

# US-19 FRONTAGE ROADS

## SAFETY ACTION PLAN



**FPID 444052-1**

Forward Pinellas Board  
Meeting

May 12th, 2021

# Presentation Overview

- **TASK & PROJECT OVERVIEW**
- **GUIDING PRINCIPLES**
- **CROSS SECTION ALTERNATIVES EVALUATION**
- **PRELIMINARY TRAFFIC ANALYSIS**
- **NEXT STEPS**



## Task & Project Overview

# Project Overview

## US-19 Frontage Roads



Establish the role of the frontage roads as an access corridor to **local** destinations and ensure travel needs focus on local demand, with the assumption that US 19 will continue to serve **regional** trips.

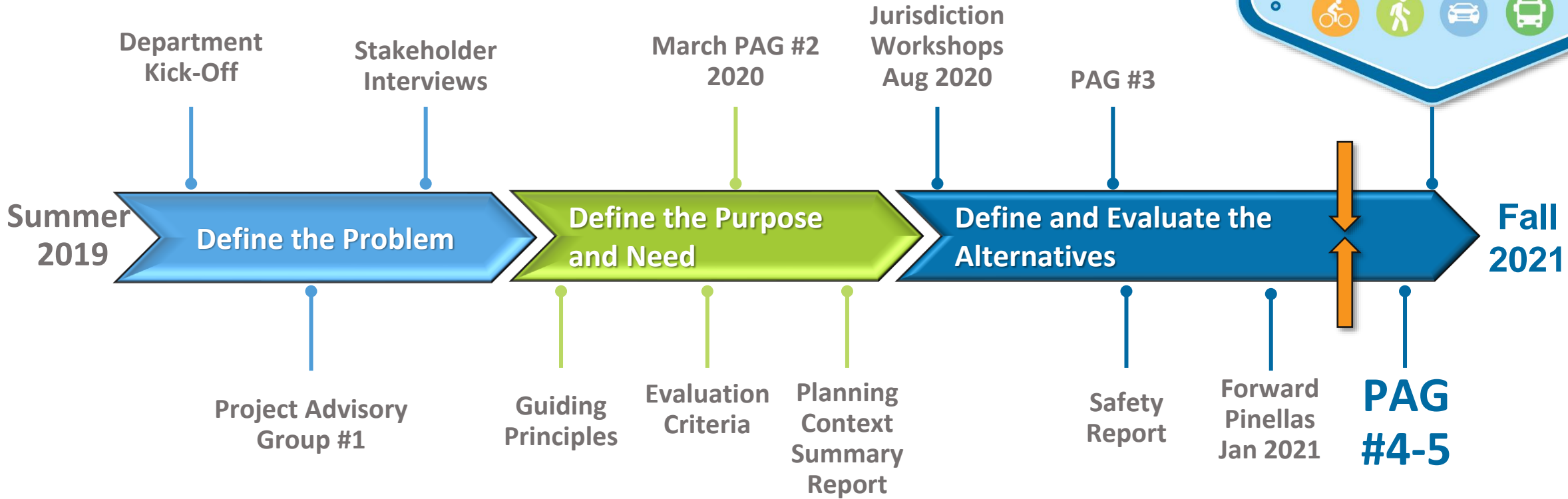


Objectively evaluate possible changes to improve multimodal **safety, operations, and connectivity.**



Provide the local municipalities recommendations for land use changes that may help **facilitate** the recommended **multimodal** improvements to the roadway.

# Schedule

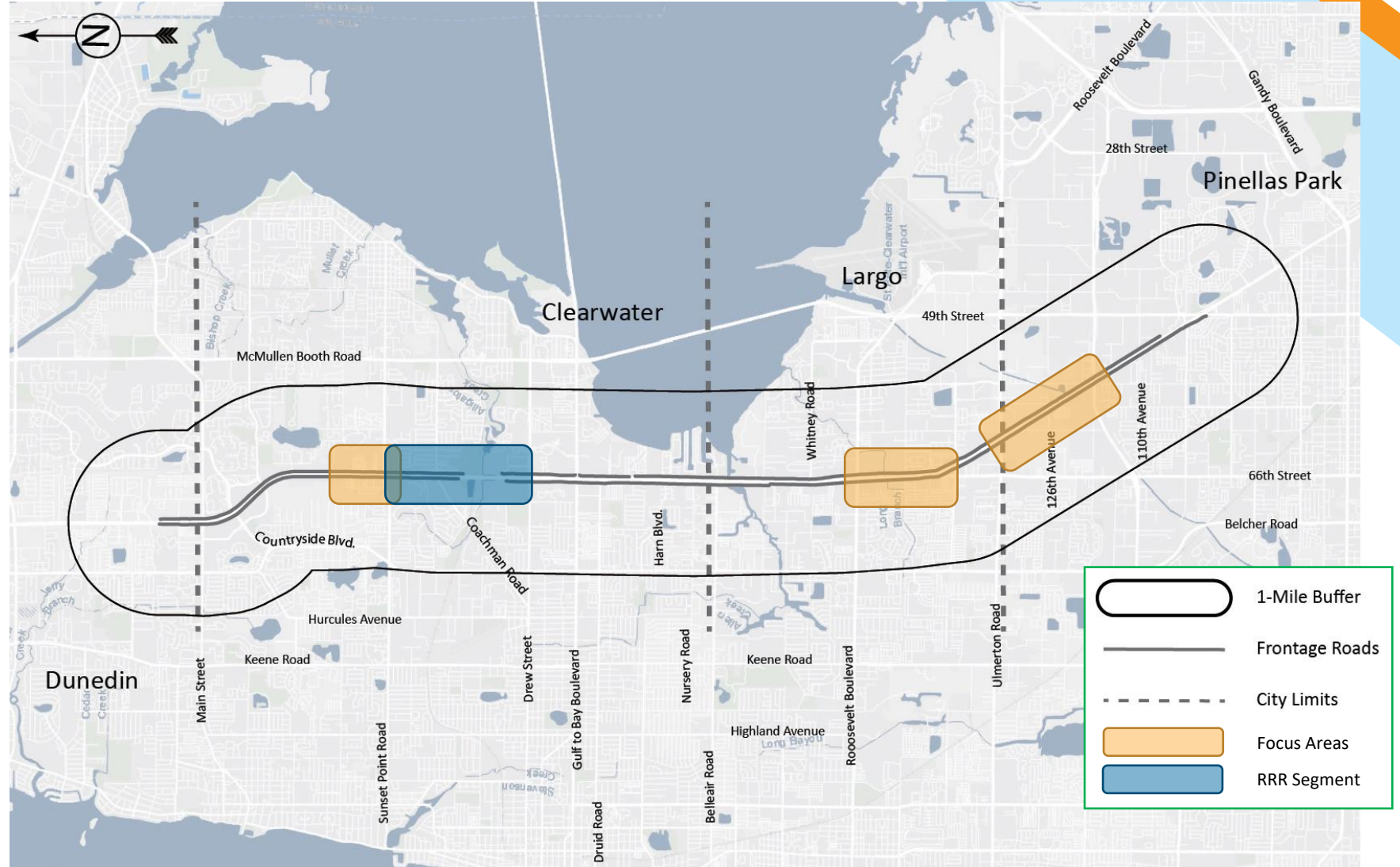


# Study Area

## US-19 Frontage Roads

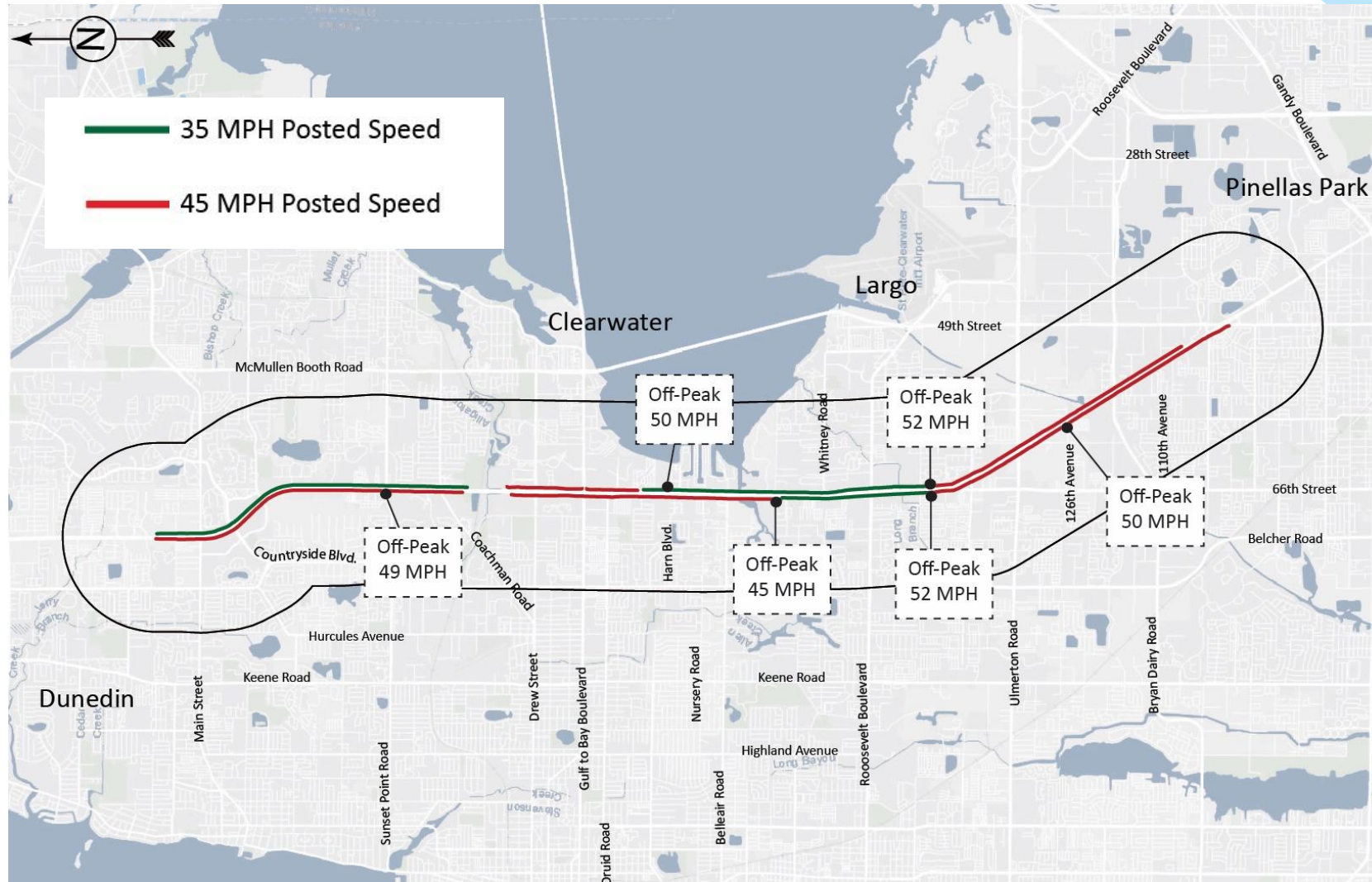
### Purpose

The purpose of the study is to work with stakeholders, and agency partners to evaluate the multimodal needs and develop potential solutions to **improve safety, operations, and connectivity for all users.**



# Existing Speeds – 85<sup>th</sup> Percentile

## US-19 Frontage Roads



# Safety

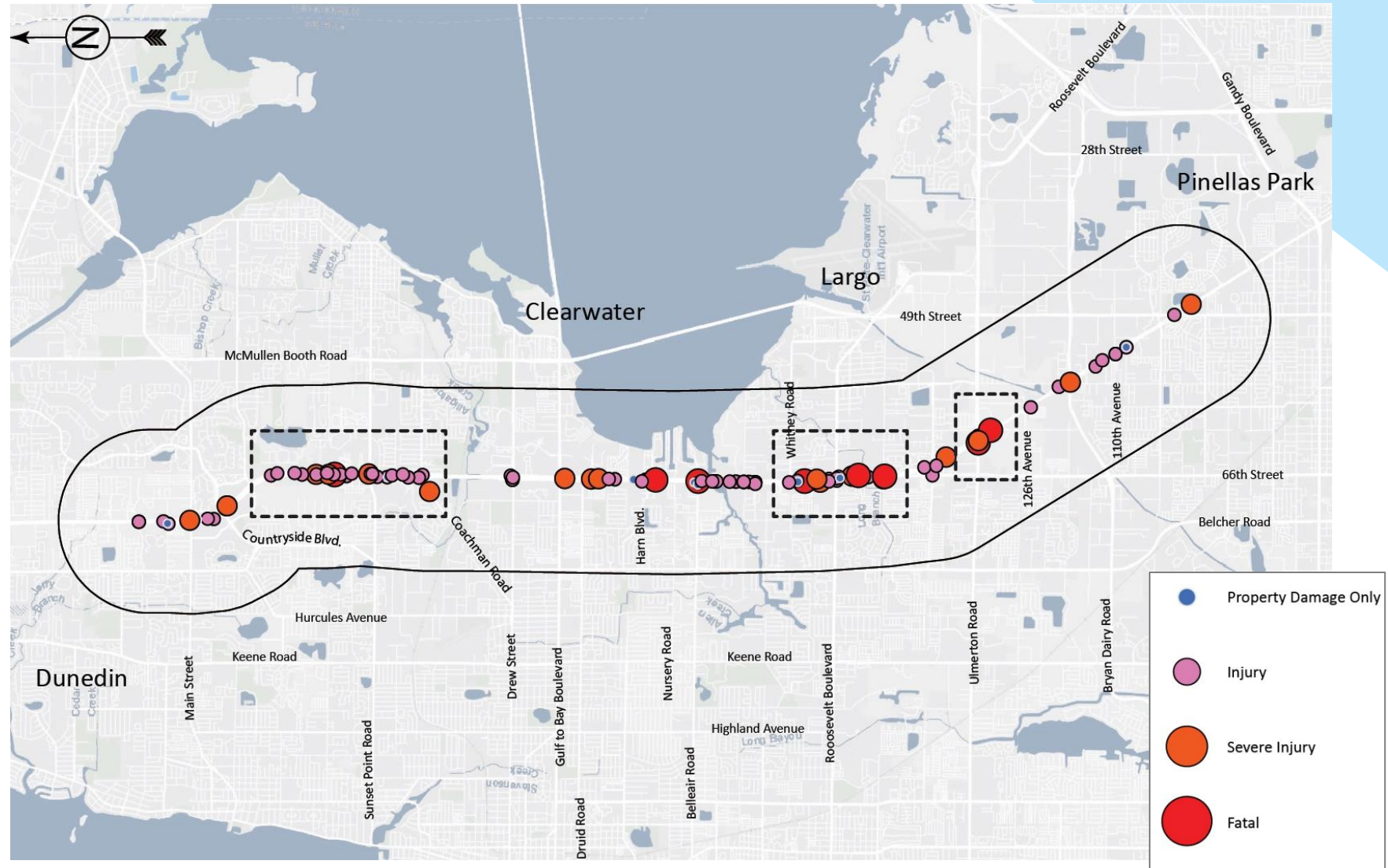
## US-19 Frontage Roads

### High Bike/Ped Crash Locations

- Ulmerton Road
- 150<sup>th</sup> Avenue
- Roosevelt Boulevard
- Belleair Road
- Coachman Road
- Sunset Point Road
- Main Street

### Reported Weaving Concerns

- Ulmerton Road
- Pine Forest Drive





# Engagement

## US-19 Frontage Roads



### Regional

- Pinellas County
- Central Pinellas Chamber of Commerce
- Florida Highway Patrol
- Pinellas County Safety and Emergency Services
- Pinellas County School Board
- Forward Pinellas
- PSTA

### Local

- City of Largo
- City of Pinellas
- City of Clearwater
- City of Dunedin Planning
- St Petersburg College (SPC) Clearwater Campus
- Pinellas Technical College
- Keiser University

### Local Stakeholder / Property Owners

- Clearwater Neighborhood Coalition
- Countryside Mall
- Morningside Meadows
- Crown Automotive
- Clearwater Toyota
- Sun Microstamping Technologies
- Land Rover Clearwater



# Guiding Principles

# Guiding Principles

## US-19 Frontage Roads

### **Prioritize safety**

Design public infrastructure that provides a safe and comfortable environment for all users.

### **Mind the gap**

Increase multimodal connectivity and access along and across the corridor by addressing the missing infrastructure links.

### **Foster multimodal connections**

Prioritize bike/ped/transit connections to key community destinations and recreational facilities.

### **Balance mobility and access**

Manage vehicular traffic speeds to suit community/business needs & desires.

### **Improve livability**

Design public infrastructure that enhances the quality of the walk and provides a comfortable environment for all users through pedestrian-scaled streetscape elements.

# Target Speed



- Addresses both motorist and bicyclist/pedestrian safety concerns
- Supports local business access
- Provides continuity throughout the corridor
- Aligns with the proposed alternative cross-sections

# Cross Section Evaluation Metrics

## US-19 Frontage Roads

### Improve Livability

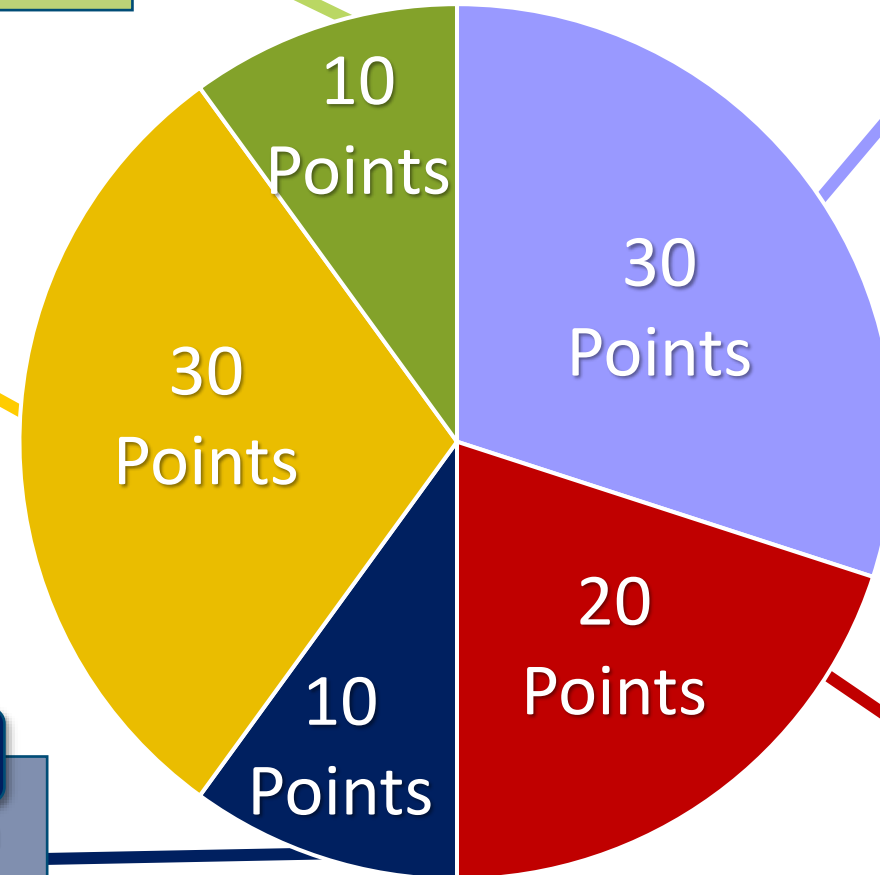
- Provides space for landscaped areas & amenities

### Balance Mobility & Access

- Reduced lane widths for additional bicycle & pedestrian space
- Continuous pavement width
- Provides a two-way north to south bicycle connection

### Foster Multimodal Connections

- Designed to accommodate a transit stop with shelter



### Prioritize Safety

- Includes context-based speed management techniques
- Potential to reduce crashes through separated bicycle facility
- Accommodates Emergency vehicles and/or ability for motorists to pull over

### Mind the Gap

- Width of sidewalk
- Width of dedicated bicycle space
- Separation of cyclists/pedestrians from moving traffic



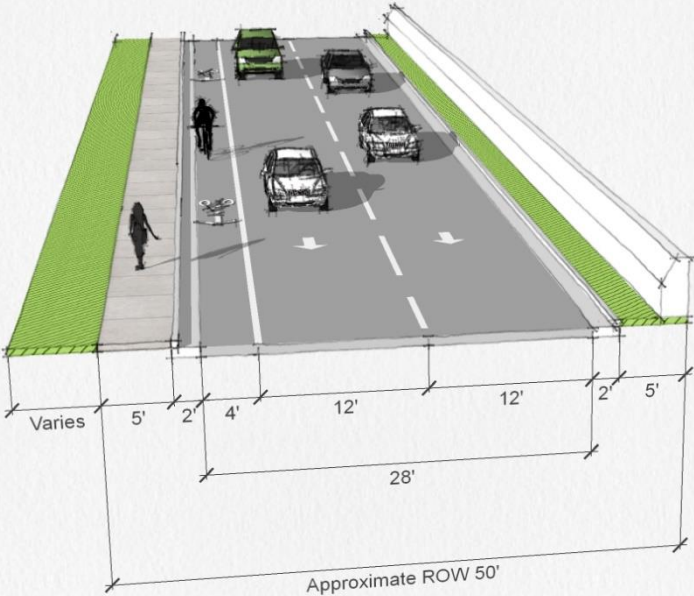
# Proposed Cross Section Alternatives

# Existing Typical Section

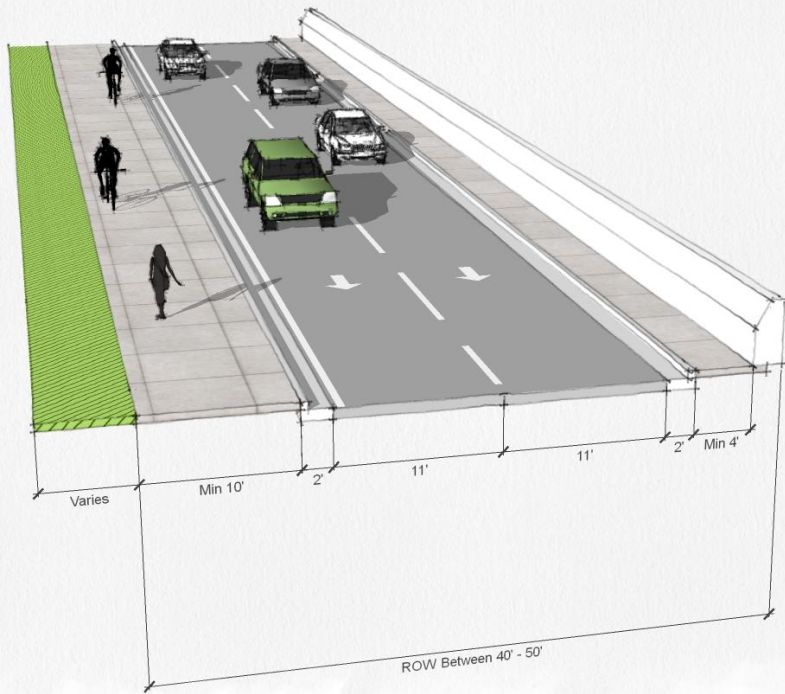
# US-19 Frontage Roads

## Two-Lane Condition

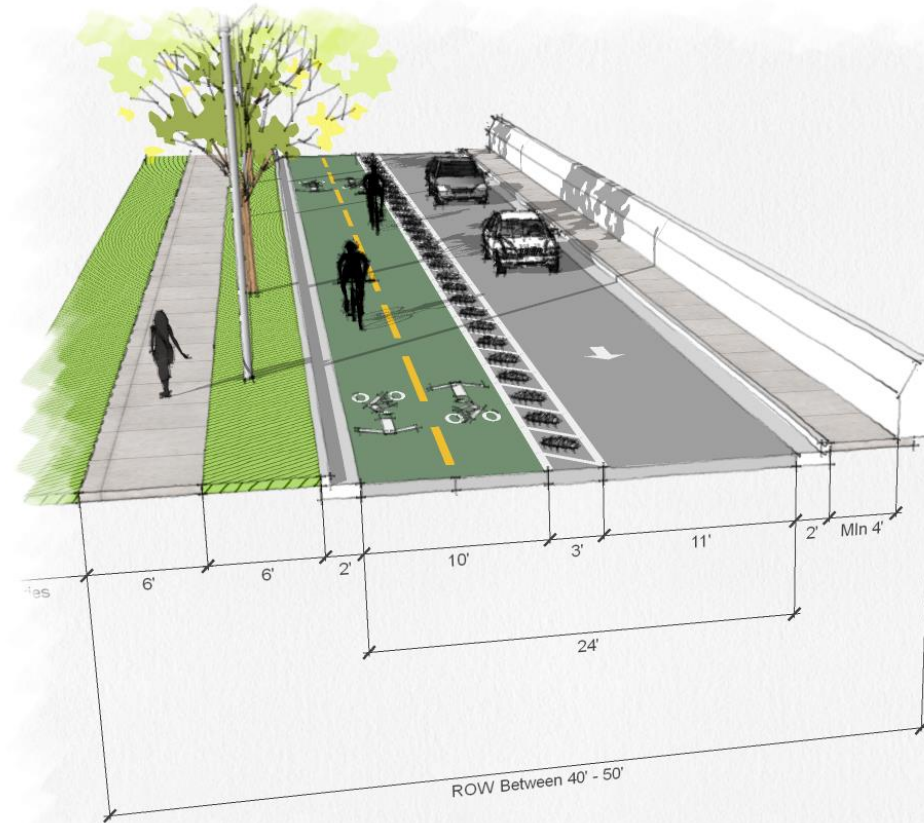
Southbound – From Main St to Enterprise Rd / Arbelia St to Sunset Point Rd / Drew St to Gulf to Bay Blvd



## Cross-section Alternatives



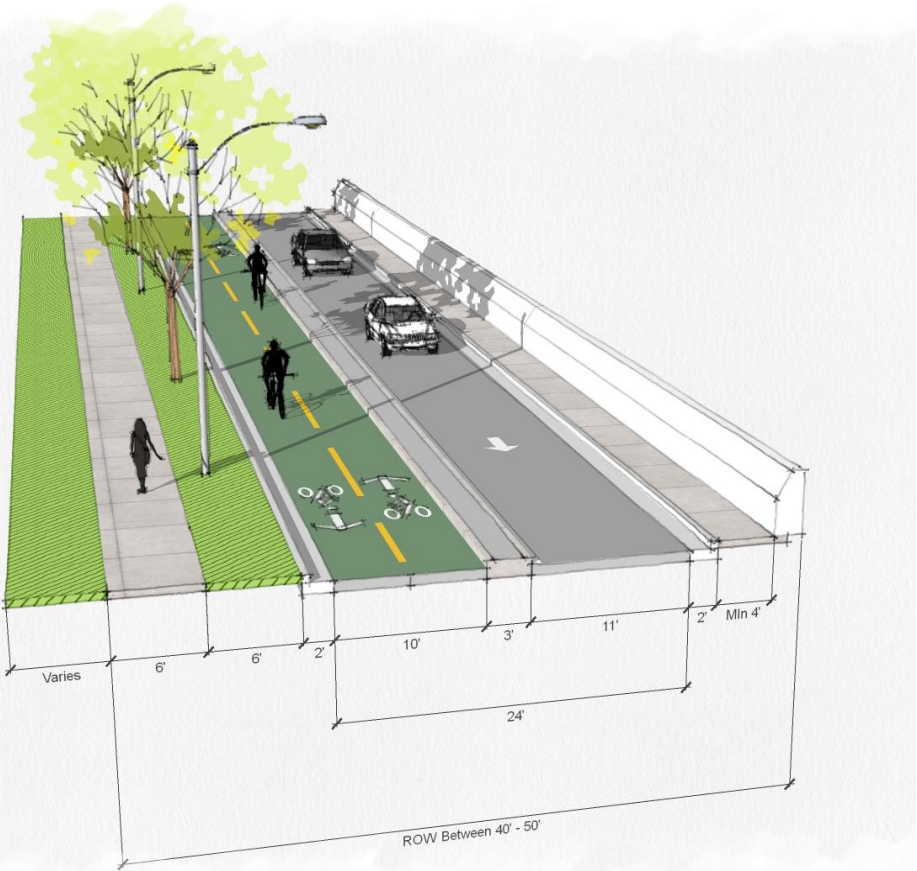
**Widen Sidewalk**



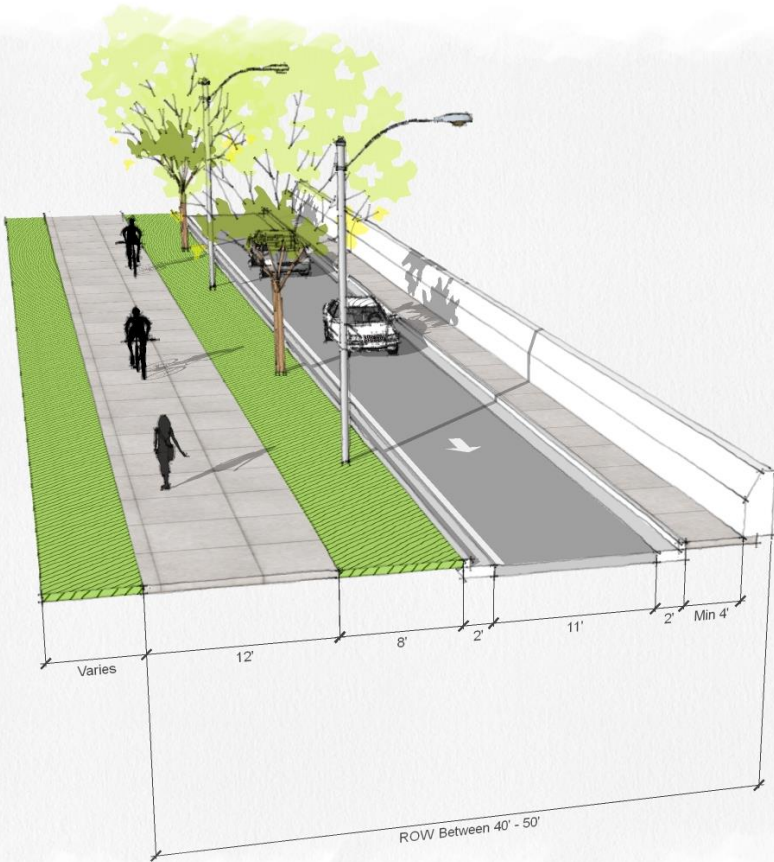
**Two-Way Bicycle Facility with Lane Dividers**



## Cross-section Alternatives



**Two-Way Bicycle Facility with Curb Separator**



**Shared-Use Path with Planting Strip**

## Cross-section Alternatives



**Two-Way Bicycle Facility  
with Planting Strip**

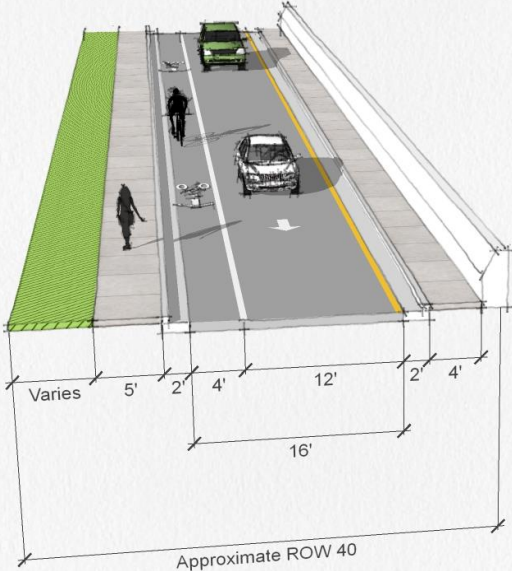
# Existing Typical Section

# US-19 Frontage Roads

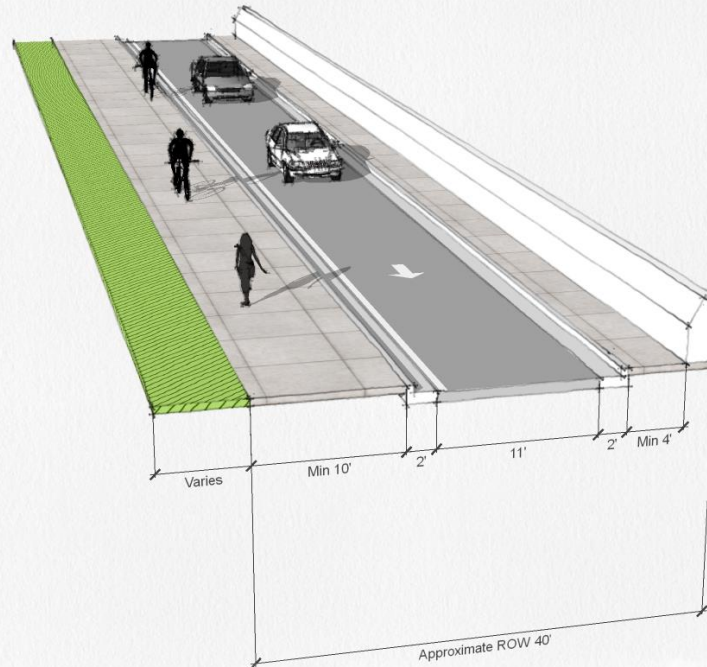
## One-Lane Condition



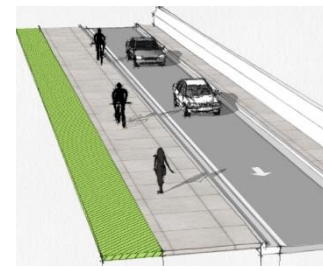
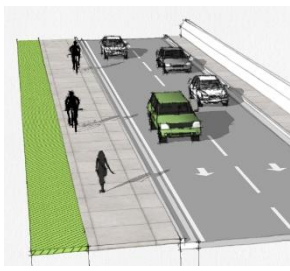
Southbound – From Druid Rd to Harn Blvd; Belleair Rd to Central Ave; 102<sup>nd</sup> Ave to 49<sup>th</sup> St



## Cross-section Alternative



**Remove Gore Striping**  
**Shared-Use Path**



Prioritize Safety (30)

20

30

25

20

15

20

Improve Livability (10)

2

10

10

10

10

0

Balance Mobility/Land Use (30)

26

25

20

20

30

26

Mind the Gap (20)

5

13

13

12

8

5

Foster Multimodal Connections (10)

5

10

10

10

10

10

Total

61

88

78

72

73

61

Relative Cost

\$\$\$

\$

\$\$

\$\$\$\$

\$\$\$\$

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# Traffic Analysis

# Methodology

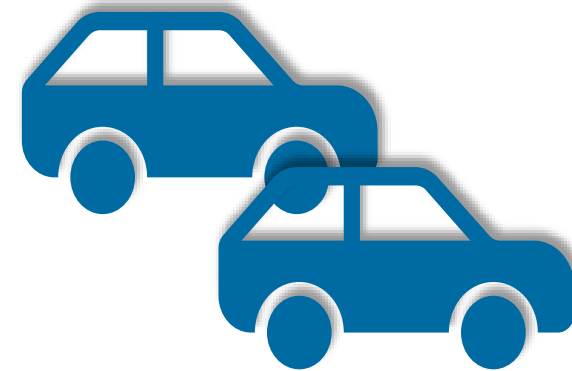
## Planning Study

High level operations analysis



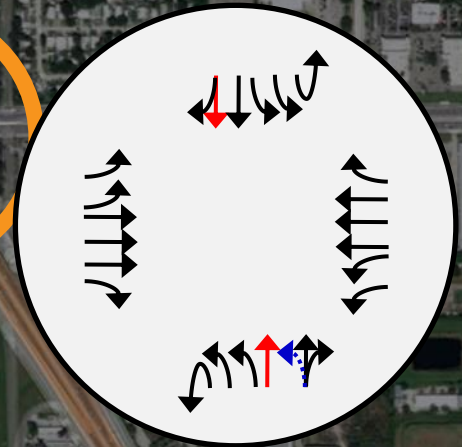
## Lane Elimination (3R) Vissim

Detailed Microsimulation study



# Ulmerton Road

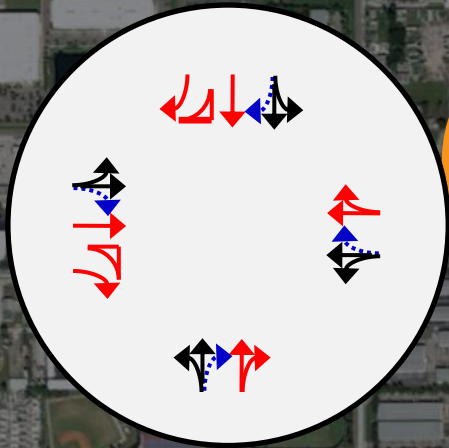
## Pinellas Park PM Intersection Operations



**Existing**  
LOS F [129.4 s]

**2045 with 2% growth per year**  
Current: LOS F [255.3 s]  
Proposed: LOS F [321.6 s]

# 126<sup>th</sup> Ave N

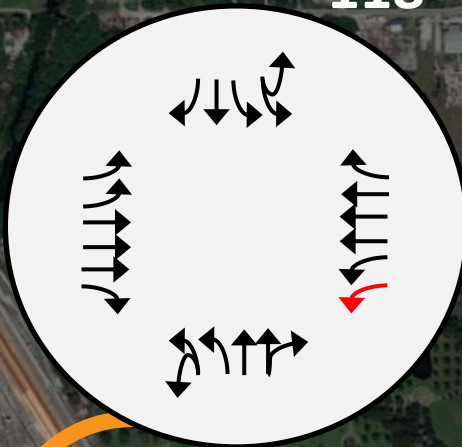


**Existing**  
LOS B [13.2 s]

**2045 with 2% growth per year**  
Current: LOS B [14.9 s]  
Proposed: LOS C [30.5 s]

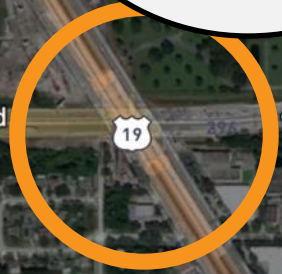


# 118<sup>th</sup> Ave N/ Bryan Dairy Rd



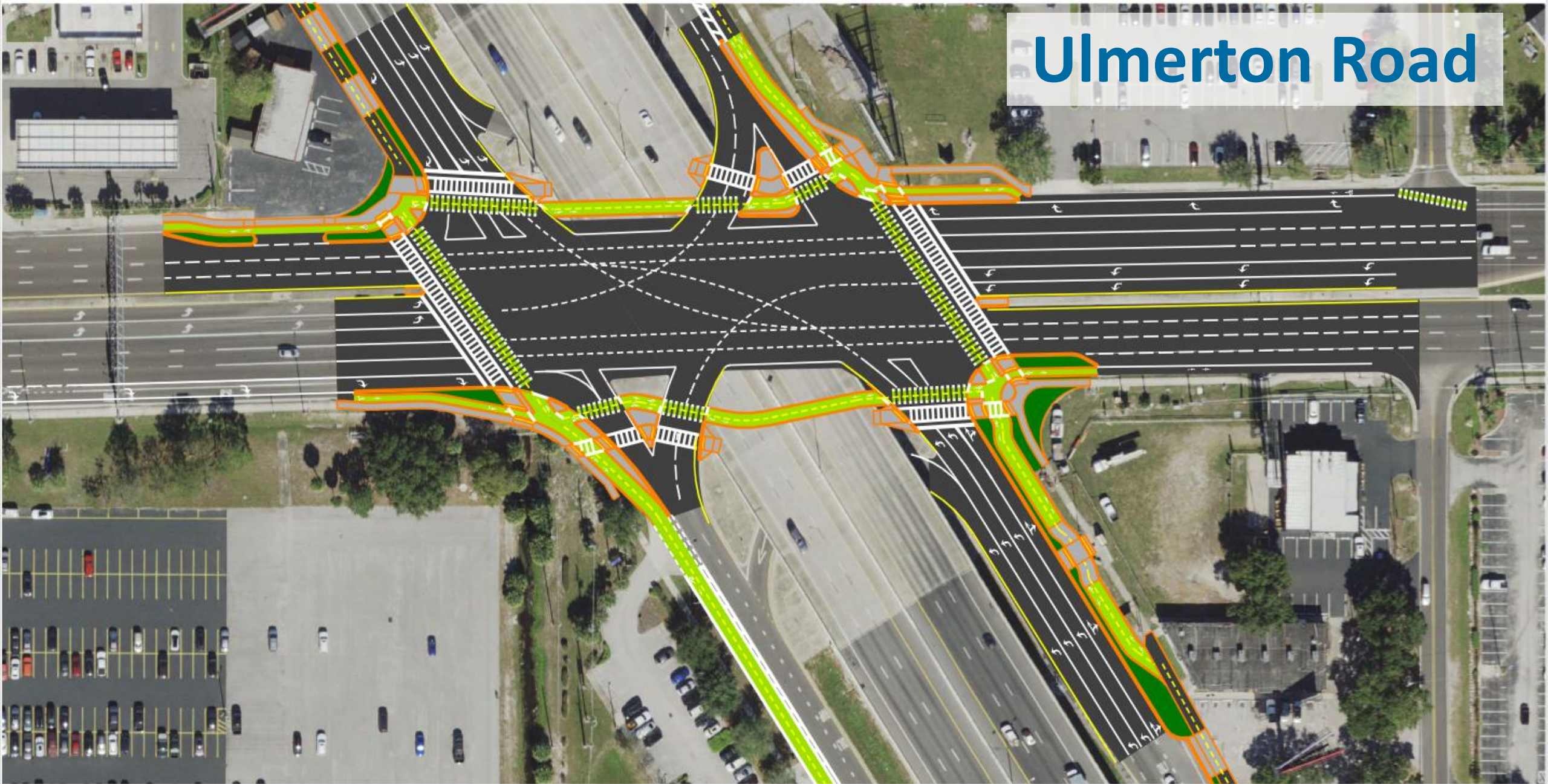
**Existing**  
LOS F [225.7 s]

**2045 with 2% growth per year**  
Current: LOS F [388.6 s]  
Proposed: LOS F [397.5 s]





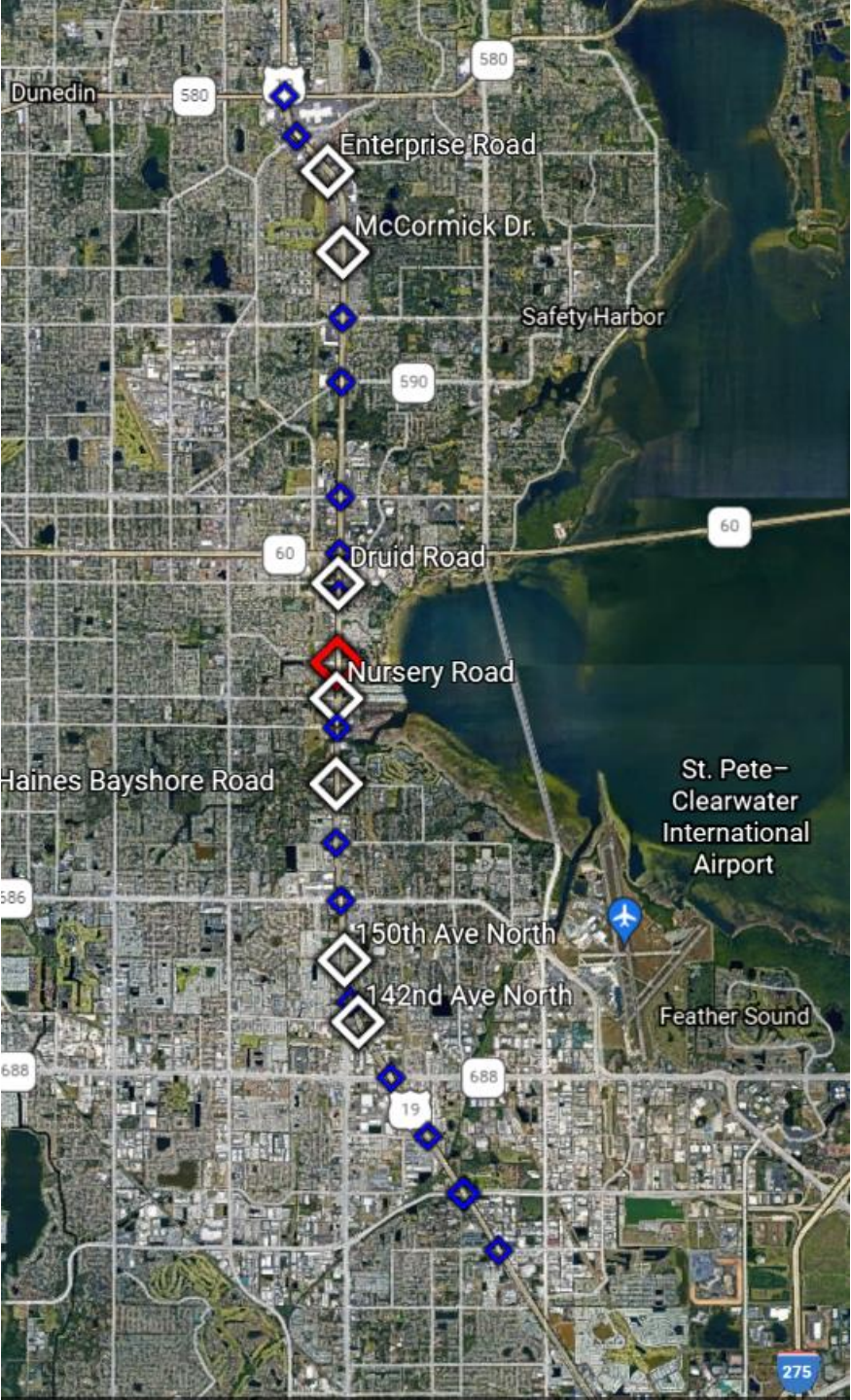
# Ulmerton Road








# Proposed Crossing Locations

# US-19 Frontage Roads



-  Proposed crossing locations
-  Programmed Crossing
-  Existing Crossing Locations



## Next Steps

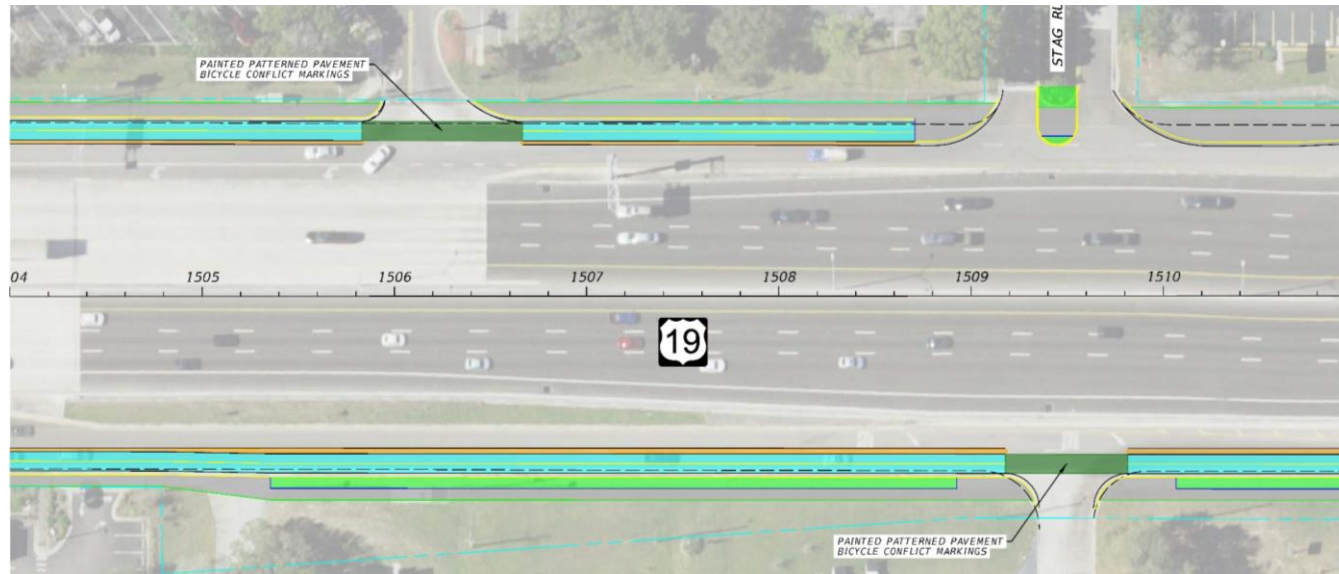
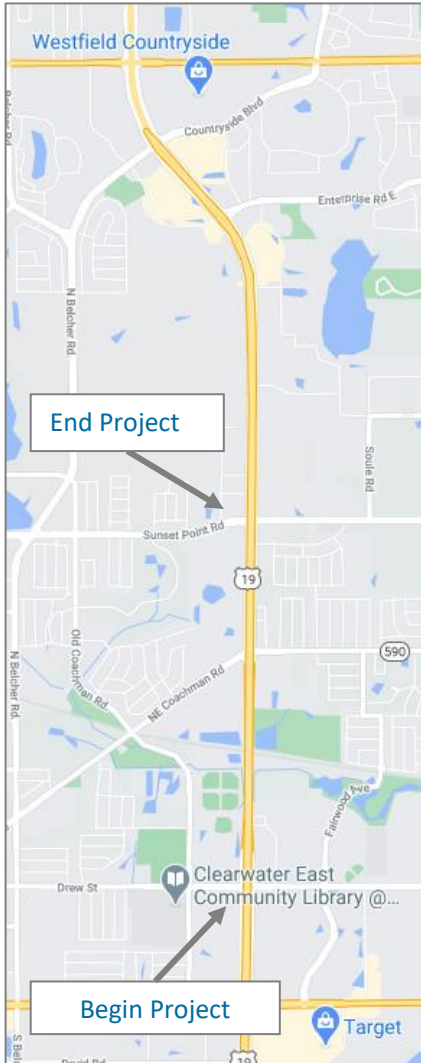
# Next Steps

## US-19 Frontage Roads

Upcoming RRR – FPID 443780-1 S of Drew St to N of Sunset Pt Rd

Potential recommendations:

- Repurpose second frontage road lane to a two-way separated bicycle facility
- Transition to shared use path through intersections and constrained sections



# Next Steps

- Technical Analysis
  - Refine Alternatives Evaluation
  - Lane Elimination Process
  - Corridor Alternatives and Strategies Report
- Public Involvement
  - Business/Property Owner Focus Group #2
  - Public Workshop



**Questions / Comments**

## Thank You!



Project Website

[www.fdotd7studies.com/  
us19frontageroads](http://www.fdotd7studies.com/us19frontageroads)

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