



**Project Development & Environment (PD&E) Study**  
**Alternatives Public Workshop**  
Willoughby Boulevard  
from State Road (S.R.) 714/Monterey Road to U.S. 1/S.R. 5/Federal  
Highway  
Martin County, Florida

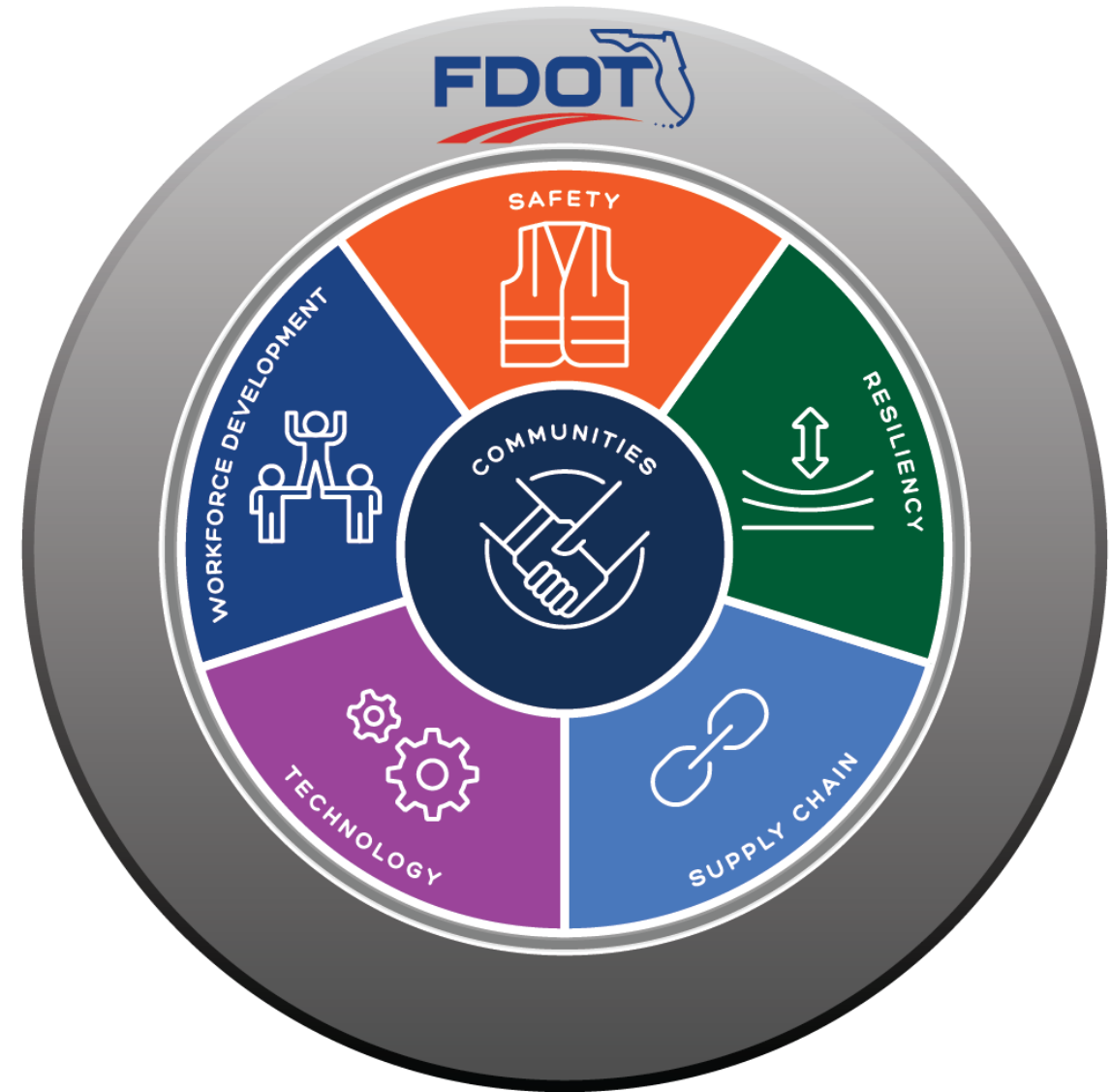


**Florida Department Of Transportation**  
Financial Project ID: 419669-3-22-03  
ETDM No: 14512

**July 28, 2026, at 5:30 p.m. (Virtual Meeting)**  
**July 29, 2026, at 5:30 p.m. (In-person Meeting)**

# FDOT Compass

Community feedback is at the core of all we do. FDOT works with the public to balance their community vision with the community's transportation needs. This is routine on all our projects to ensure Florida's infrastructure is safe, resilient, and efficient for many years into the future.



# Project Benefits



## Communities

- Identified in Martin MPO's Long Range Transportation Plan Needs Assessment list in 1994.
- #12 on Martin MPO 2026 List of Project Priorities (LOPP)
- Enhance mobility and ease of access between residential communities, businesses, and schools.
- Strengthen network connections of existing sidewalks and bicycle lanes by constructing pedestrian facilities to address major gaps.



## Safety

- Reduce congestion and improve bicycle/pedestrian facilities.
- Enhance emergency vehicle travel time.



## Resiliency

- Provide stormwater management that addresses future issues with water levels and groundwater conditions to operate effectively in the future.



## Supply Chain

- Improve traffic operations to accommodate the growing transportation demand for goods and services.
- Increase network accessibility of existing and planned development to regional roadway system.

## Project Team



- **Vanita Saini, P.E.**
- Project Manager
- Florida Department of Transportation (FDOT) District 4



- **Chris Rizzolo, P.E.**
- Consultant Project Manager
- AECOM



- **Monica Diaz**
- Principal
- Infinite Source Communications Group

# WE WELCOME ALL ELECTED OFFICIALS

# Meeting Format

## Virtual:

- ❖ Date: Tuesday, July 28, 2026
- ❖ Time: 5:30 p.m.
- ❖ Location: Microsoft Teams Webinar

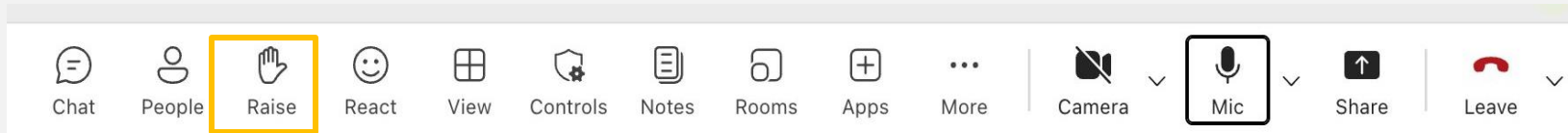
## In-Person:

- ❖ Date: Wednesday, July 29, 2026
- ❖ Time: 5:30 p.m.
- ❖ Location: 10th Street Community Center  
724 SE 10th Street, Stuart, FL 34994



# Rules of Engagement

- ❖ This Public Workshop is being recorded.
- ❖ If you experience technical difficulties, please contact 954-548-2754 so that a member of our technical support team may assist you.
- ❖ All **Virtual** attendees **will remain muted** throughout the Meeting.
- ❖ **Virtual** attendees are also welcome to submit any questions/comments using the Teams control panel at any time or use the “**Raise Hand**” button on your control panel and a member of our team will respond to/unmute you during the open discussion.



- ❖ If you are participating via Telephone and have questions/comments, feel free to submit them to the **FDOT Project Manager Vanita Saini, P.E.**, via email after the meeting and a response will be provided.

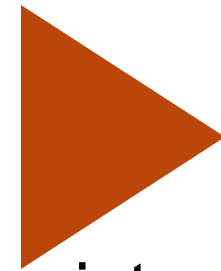
## About Your Comments and Questions



All **written** comments are part of the **Public Record**.

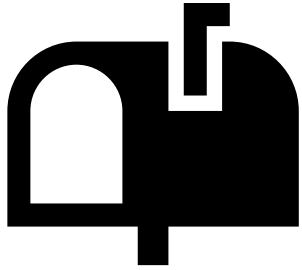


You can submit comments and questions throughout the project.



All registrants will receive a link to the **presentation recording**.

## Public Meeting - Public Notice



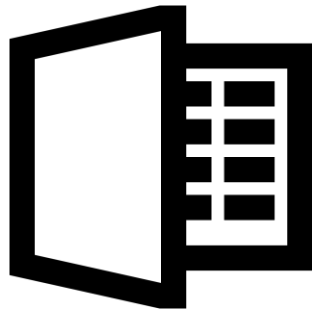
Property owner letters/tenant  
flyers



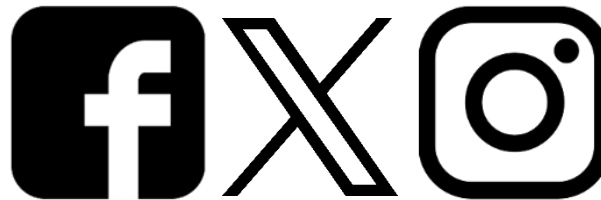
Emails to project contacts list



Newspaper



Florida Administrative Register



Social media



Project website

## Title VI of the Civil Rights Act of 1964

The Florida Department of Transportation is required to comply with various non-discrimination laws and regulations, including Title VI of the Civil Rights Act of 1964. 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:

**Sharon Singh Hagyan**  
**District Four Title VI Coordinator**  
3400 West Commercial Boulevard  
Fort Lauderdale, Florida 33309  
(954) 777-4190  
(866) 336-8435, Ext. 4190 (Toll Free)  
[sharon.singhhagyan@dot.state.fl.us](mailto:sharon.singhhagyan@dot.state.fl.us)

**Lisa Bethancourt**  
**State Title VI Coordinator**  
**Florida Department of Transportation**  
**Business Growth & Engagement Office**  
605 Suwannee St. MS 65  
Tallahassee, FL 32399-0450  
(850) 414-4742  
(866) 374-3368, Ext. 4742 (Toll Free)  
[Lisa.Bethancourt@dot.state.fl.us](mailto:Lisa.Bethancourt@dot.state.fl.us)

# FDOT NEPA Assignment

*The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 United States Code (U.S.C.) §327 and Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration and FDOT.*



# Transportation Development Process

1 PLANNING

2 PROJECT DEVELOPMENT AND  
ENVIRONMENT (PD&E) STUDY

3 DESIGN

4 RIGHT OF WAY ACQUISITION  
(IF NEEDED)

5 CONSTRUCTION

6 MAINTENANCE

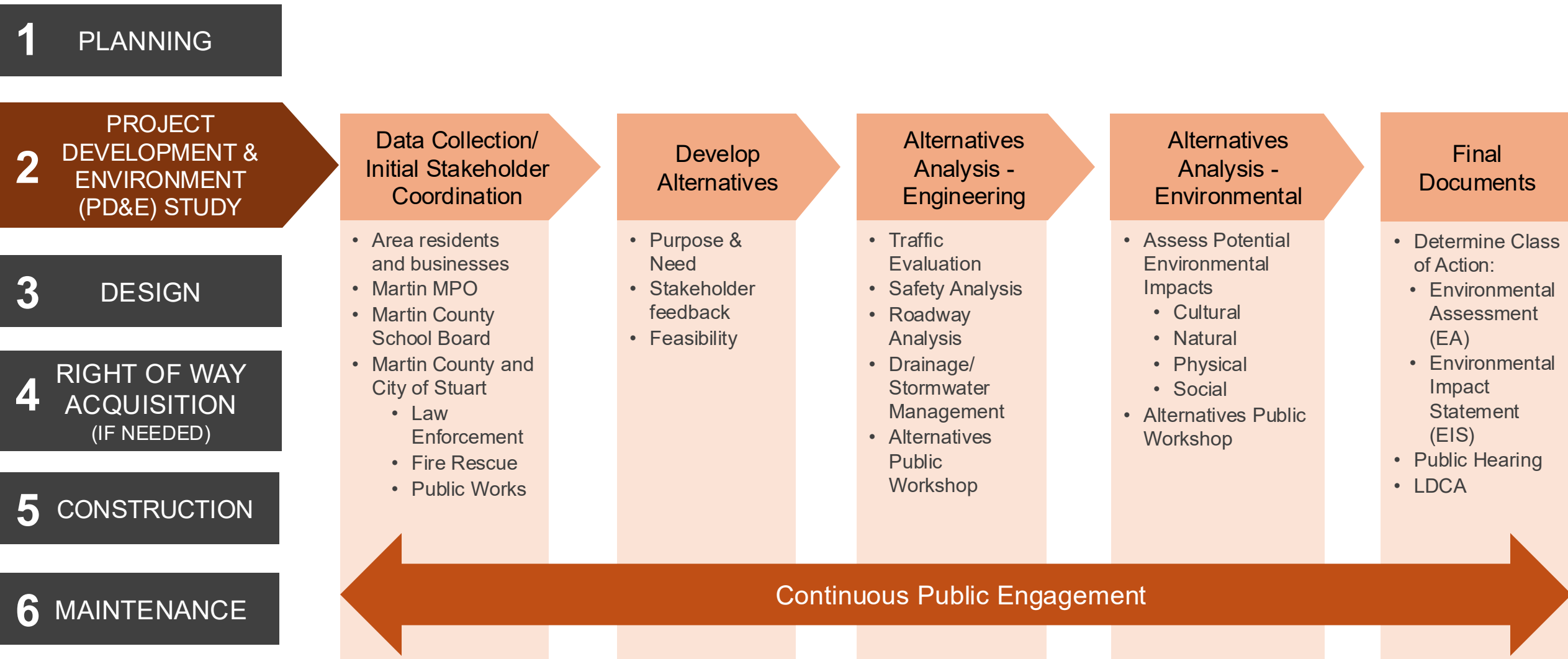
## Why is a PD&E Study performed?

- To determine the best alternative to address the purpose and need
- To evaluate the potential environmental and social effects
- To include public participation to help shape the project
- To comply with federal, state, and local laws

## During the PD&E Study:

- The community will have several opportunities for input on the project
- Project effects to the environment will be avoided or minimized
- Coordination with federal, state and local agencies will occur
- Project reports and plans will be available for public view

# PD&E Study Process



# Purpose and Need

## Purpose

- ❖ Improve roadway connection.
- ❖ Add bicycle and pedestrian facilities.
- ❖ Improve bicyclist safety.

## Need

- ❖ Provide an alternative route to alleviate traffic congestion within the project area.
- ❖ Expand bicycle and pedestrian facilities in the project area.
- ❖ Reduce bicycle crashes at S.R. 714/Willoughby Boulevard.

## Objectives

- ❖ Evaluate alternatives to alleviate traffic congestion by extending Willoughby Boulevard.
- ❖ Improve bicycle and pedestrian connectivity.
- ❖ Obtain **Location and Design Concept Acceptance (LDCA)** for a proposed alternative that meets the purpose and need.



Accommodate  
Population Growth &  
Travel Demand



Improve  
Connectivity



Enhance Mobility



Enhance  
Safety &  
Emergency  
Vehicle Travel  
Time

# Project Location

**FPID:** 419669-3-22-03  
**ETDM#:** 14512

**County:** Martin  
**City:** Stuart

**Roadway:** Willoughby Boulevard

**RR Crossings:** None

**Project Study Limits:** Willoughby Boulevard from State Road (S.R.) 714/Monterey Road to U.S. 1/S.R. 5/Federal Highway

## Project Scope

Extending Willoughby Boulevard from its northern terminus at S.R. 714/Monterey Road to an appropriate terminus at S.R. 5/U.S. 1/Federal Highway

### Corridor 1 (approximately 3/4 miles)

- Reconstruct existing Alhambra Ave. (1/4 mile)
- Construct new roadway from San Jose St. to U.S. 1/S.R. 5/Federal Hwy. (1/2 mile)\*

### Corridor 2 (approximately 1-1/4 miles)

- Construct new roadway from MCHS entrance to S.R. 714/Monterey Rd. (1/4 mile)
- Reconstruct existing Rays Way from S.R. 714/Monterey Rd. to Central Pkwy (1/4 mile)
- Reconstruct existing Central Pkwy. (1/4 mile)
- Construct new roadway from Central Pkwy. to U.S. 1/S.R. 5/Federal Highway (1/2 mile)\*

\*Right of way was established and dedicated in 2010



# Area Projects and Previous Studies

## Area Projects

| Project Name                                                        | Project FPID | Project Type                      | Project Phase            |
|---------------------------------------------------------------------|--------------|-----------------------------------|--------------------------|
| S.R. 714/Monterey Rd.<br>at FEC Railroad Crossing                   | 441636-2     | Railroad Crossing<br>Improvements | PD&E Study <sup>1</sup>  |
| S.R. 714/Monterey Rd., C.R. 5A/Dixie<br>Hwy., and Palm Beach Rd.    | 444405-2     | Multimodal                        | Construction             |
| S.R. 714/Monterey Rd. from Citrus<br>Blvd. to SW Martin Downs Blvd. | 436870-1     | Widening                          | Construction<br>Complete |
| Cove Rd. from S.R. 76/Kanner<br>Hwy. to S.R. 5/U.S. 1               | 441700-1     | Widening                          | Design                   |
| C.R. 713 from I-95 to<br>SW Martin Hwy.                             | 441699-1     | Widening                          | Design                   |

<sup>1</sup> 2030 Construction Year

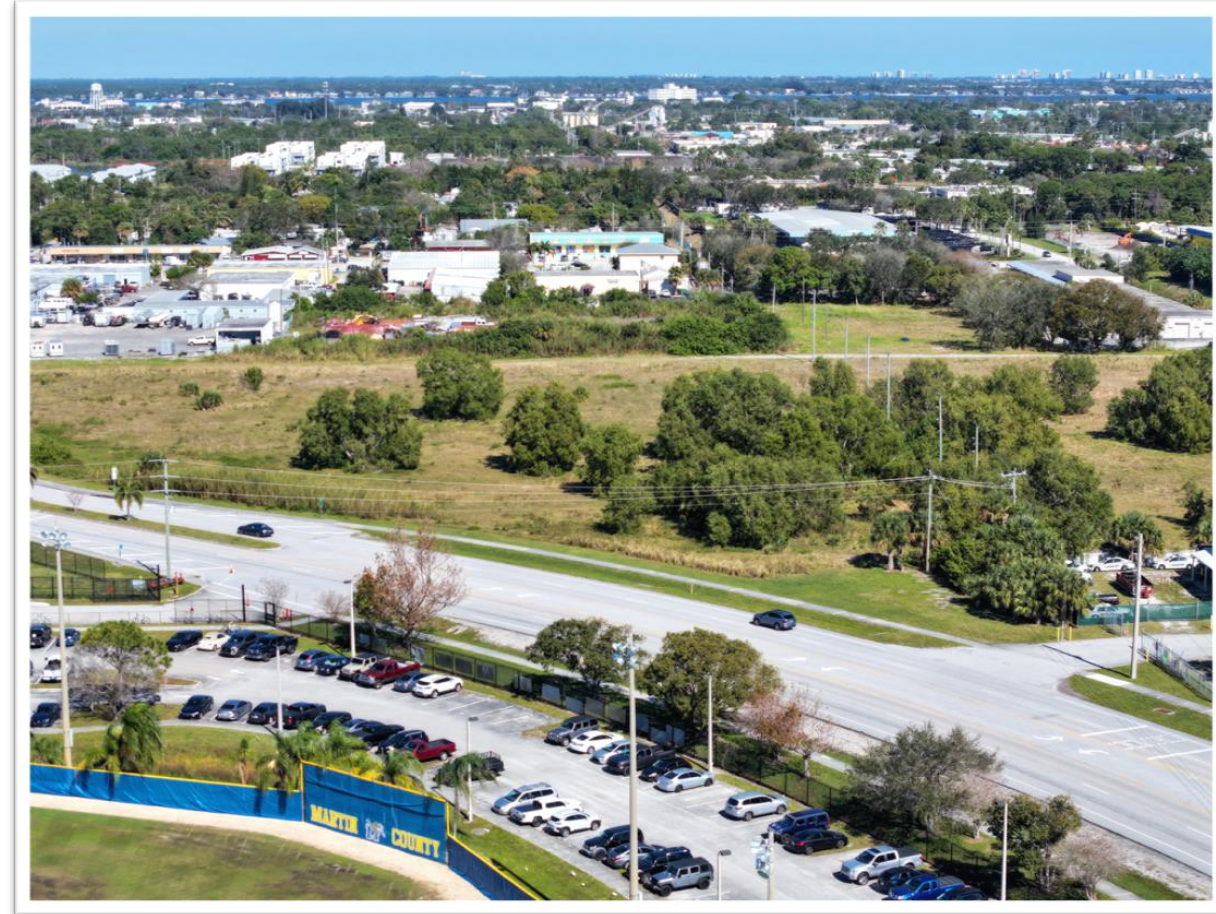
## Previous Studies

Willoughby Blvd. Corridor Feasibility Study Report from S.R.  
714/Monterey Road to U.S. 1/Federal Highway (FPID: 419669-3)

## Existing Conditions – Roadway

### Willoughby Boulevard

- ❖ County road from Cove Rd. to S.R. 714/Monterey Rd.
- ❖ Four lanes divided (two in each direction) from Pomeroy Rd. to S.R. 714/Monterey Rd.
- ❖ Sidewalks on both sides
- ❖ Posted speed limit: 45 mph
- ❖ 12 key intersections
- ❖ Paved shoulders (no designated bike lanes/facilities)



## Existing Conditions – Roadway

### Alhambra Avenue

- ❖ County Road from S.R. 714/Monterey Rd. to San Jose St.
- ❖ Two lanes undivided (one in each direction)
- ❖ Sidewalk on west side from S.R. 714/Monterey Rd. to Seville St.
- ❖ Posted Speed Limit: 25 mph.
- ❖ No bicycle facilities



### Rays Way

- ❖ City Road from S.R. 714/Monterey Rd. to Central Pkwy.
- ❖ Two lanes undivided (one in each direction)
- ❖ Sidewalk on west side from S.R. 714/Monterey Rd. to Central Pkwy.
- ❖ Posted Speed Limit: 25 mph
- ❖ No bicycle facilities



# Vehicle Crash History

| Crash Severity | 2019 | 2020 | 2021 | 2022 | 2023 | Total | Proportion |
|----------------|------|------|------|------|------|-------|------------|
| Fatal          | 1    | 0    | 2    | 1    | 0    | 4     | 0.2%       |
| Injury         | 79   | 60   | 78   | 86   | 86   | 389   | 23.0%      |
| PDO*           | 262  | 213  | 237  | 290  | 300  | 1,302 | 76.8%      |
| Total Crashes  | 341  | 273  | 317  | 377  | 386  | 1,695 | 100.0%     |

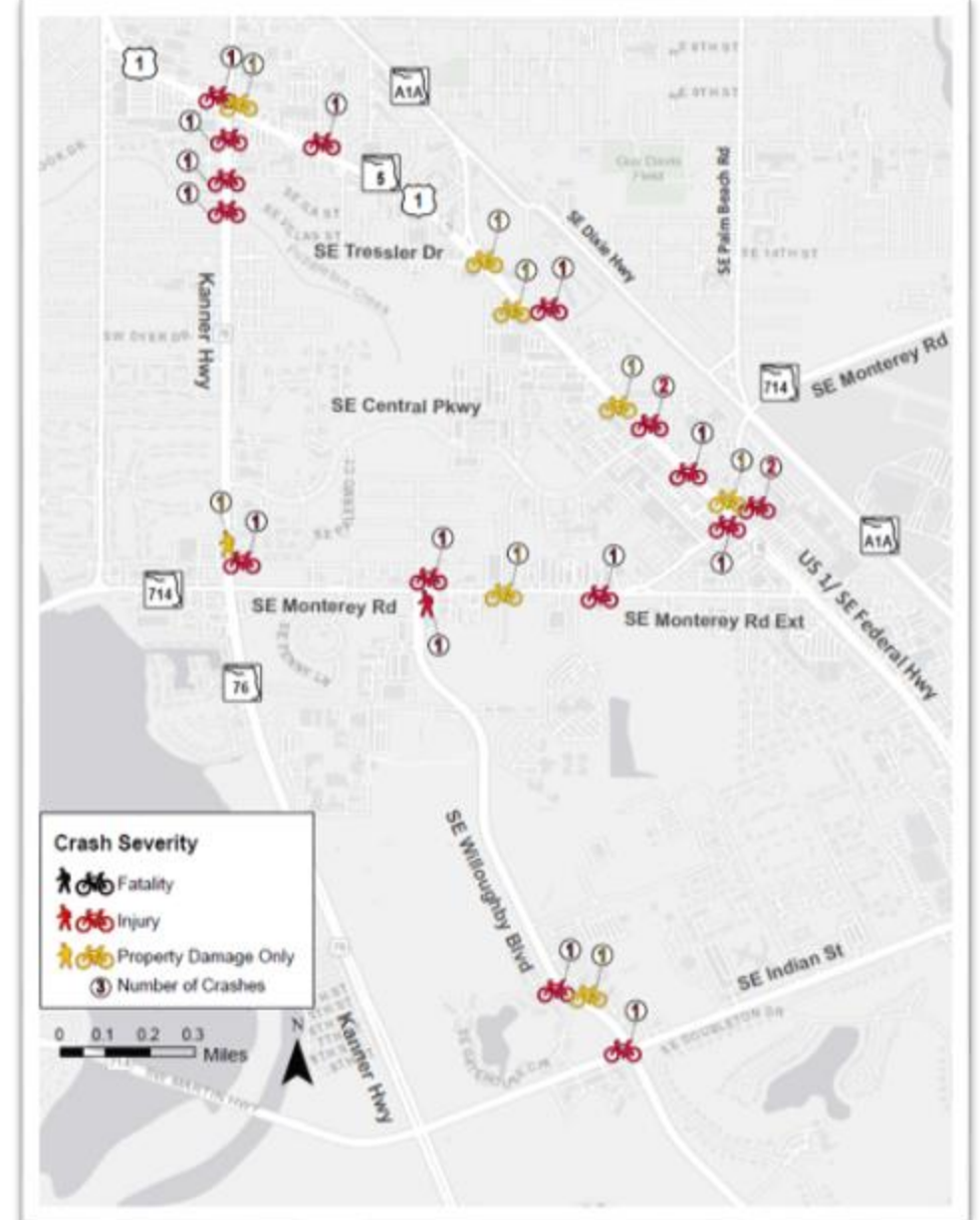
\*Property Damage Only



# Bicycle & Pedestrian Crash History

| Crash Severity | 2019 | 2020 | 2021 | 2022 | 2023 | Total | Proportion |
|----------------|------|------|------|------|------|-------|------------|
| Fatal          | 0    | 0    | 0    | 0    | 0    | 0     | 0%         |
| Injury         | 2    | 3    | 7    | 6    | 0    | 18    | 69%        |
| PDO*           | 0    | 1    | 2    | 3    | 2    | 8     | 31%        |
| Total Crashes  | 2    | 4    | 9    | 9    | 2    | 26    | 100%       |

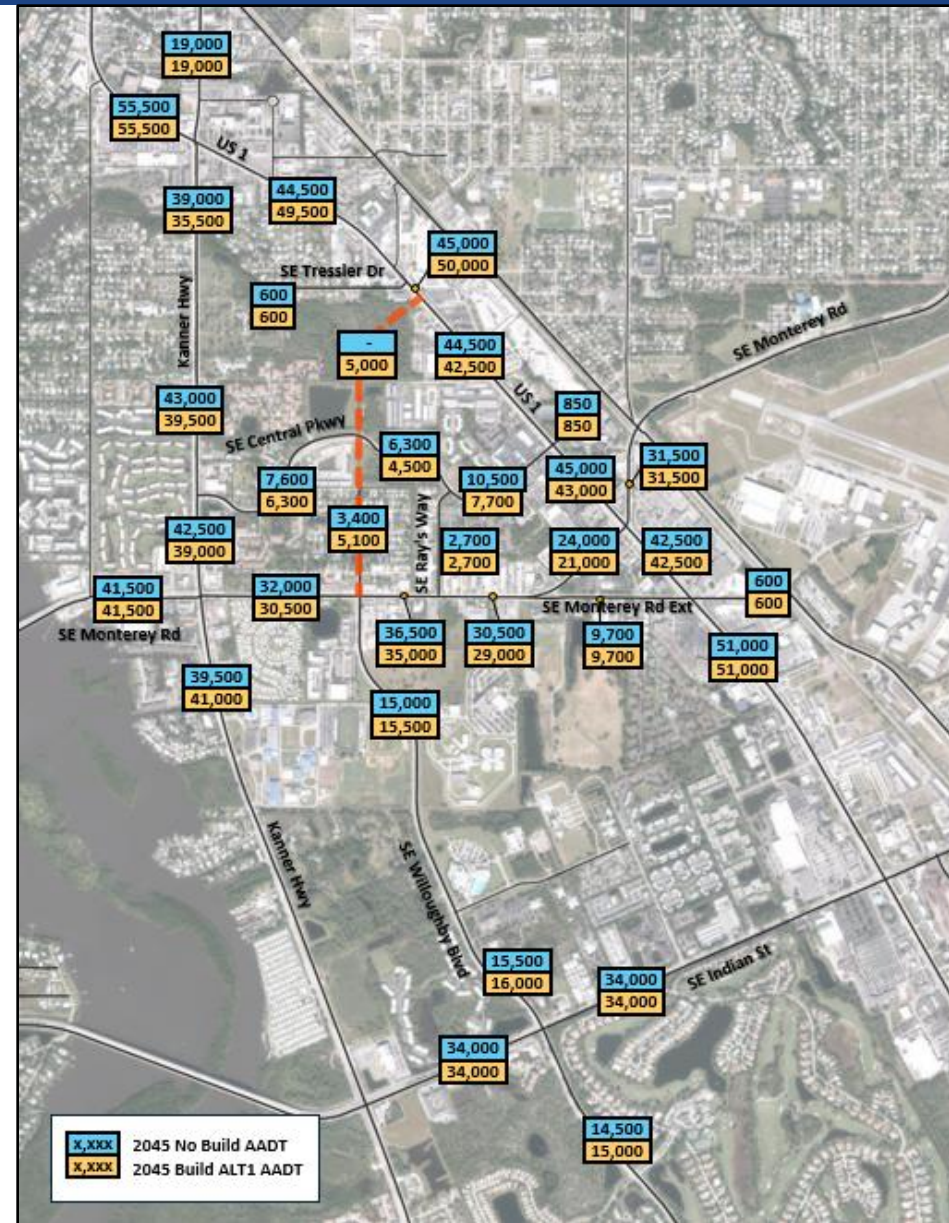
\*Property Damage Only



# 2045 Projected Traffic (Build and No-Build) – Corridor 1

## Legend

|       |                    |
|-------|--------------------|
| X,XXX | 2045 No-Build AADT |
| X,XXX | 2045 Build AADT    |





# 2045 No-Build vs. Existing Traffic Projection Comparison



Increased congestion

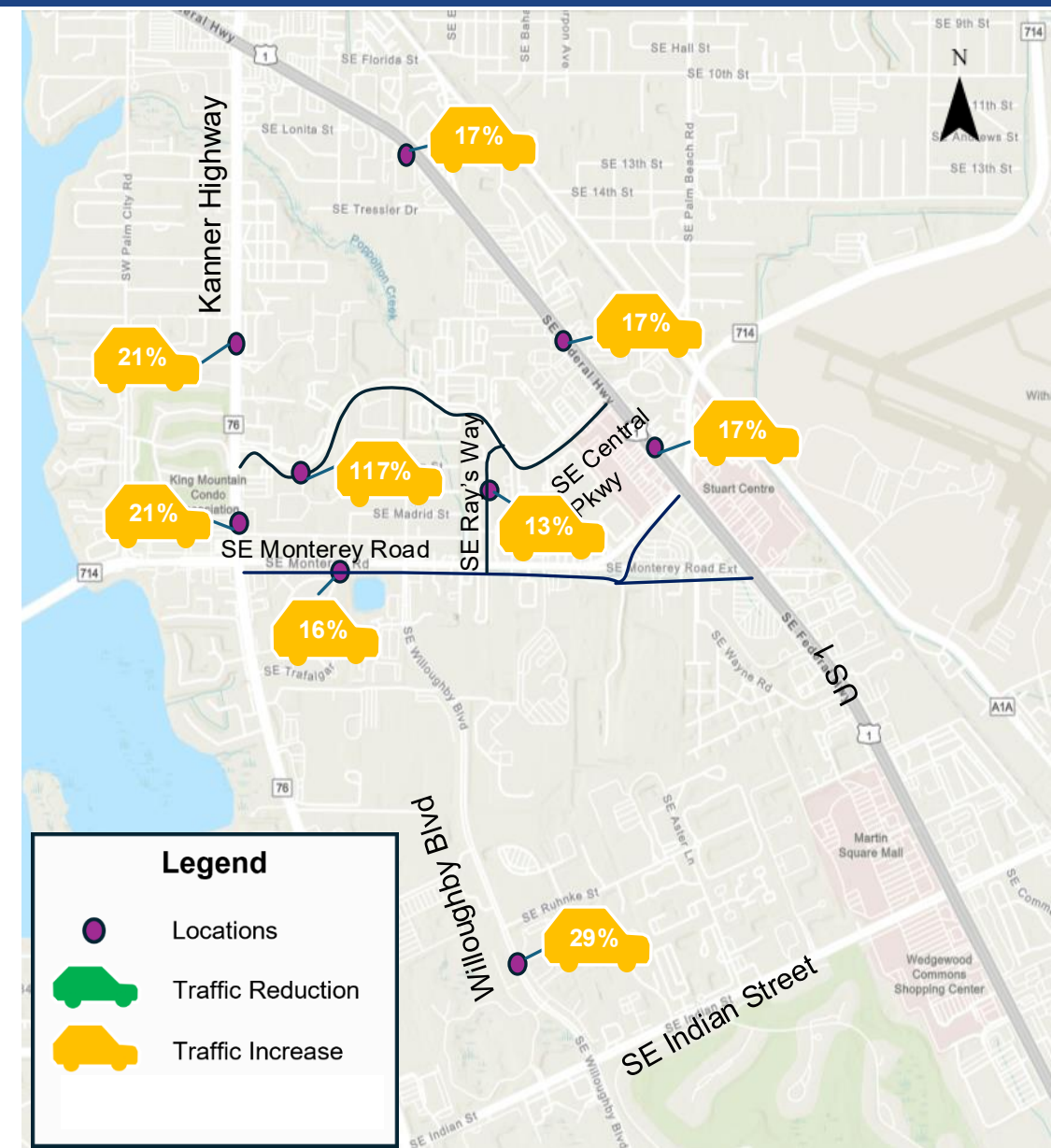


Increased travel time

**EXISTING**

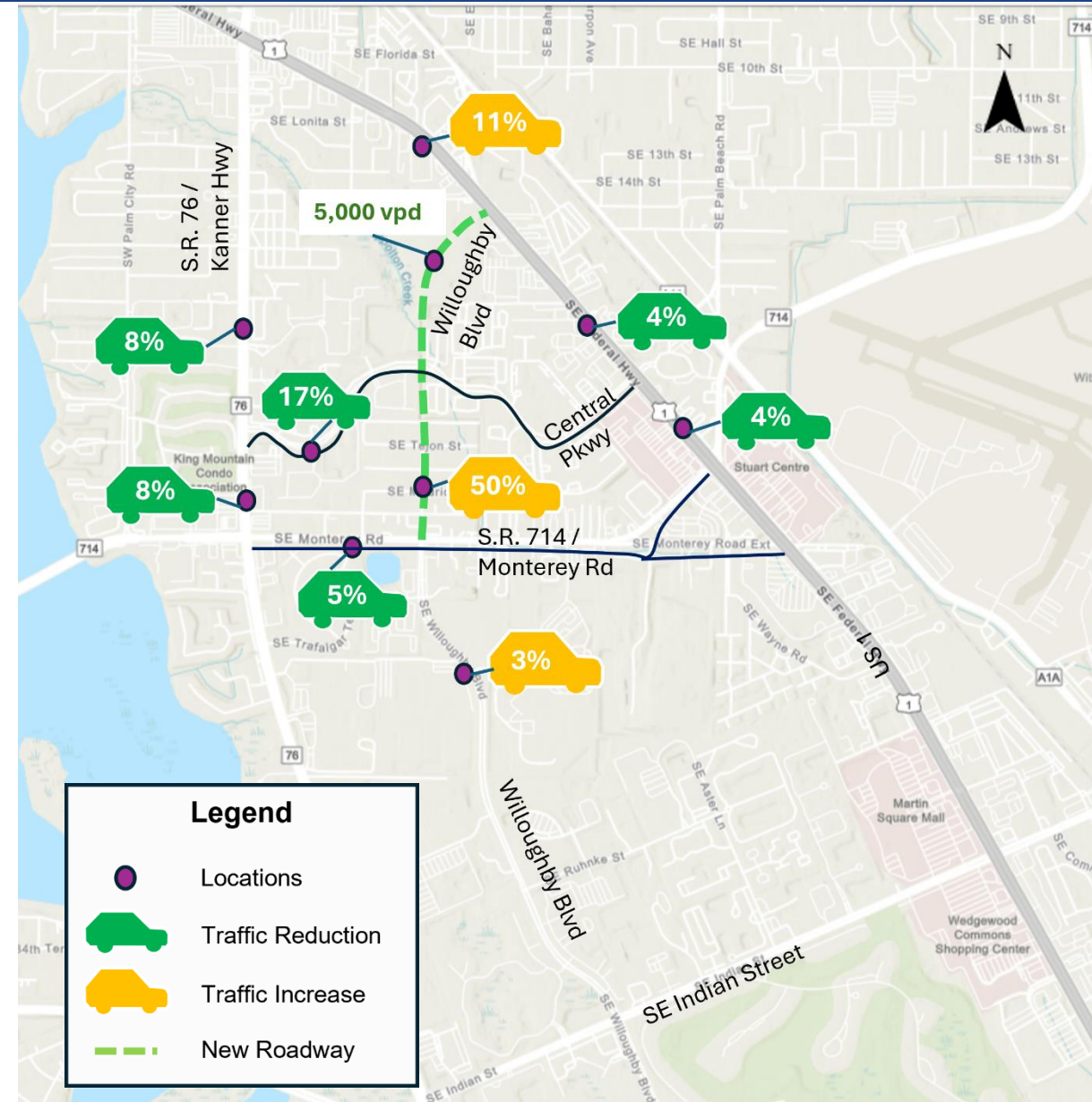


**NO BUILD**



☒  
☒

## Reduced travel time



# 2045 No-Build vs. Corridor 2 Traffic Projection Comparison



Reduced congestion

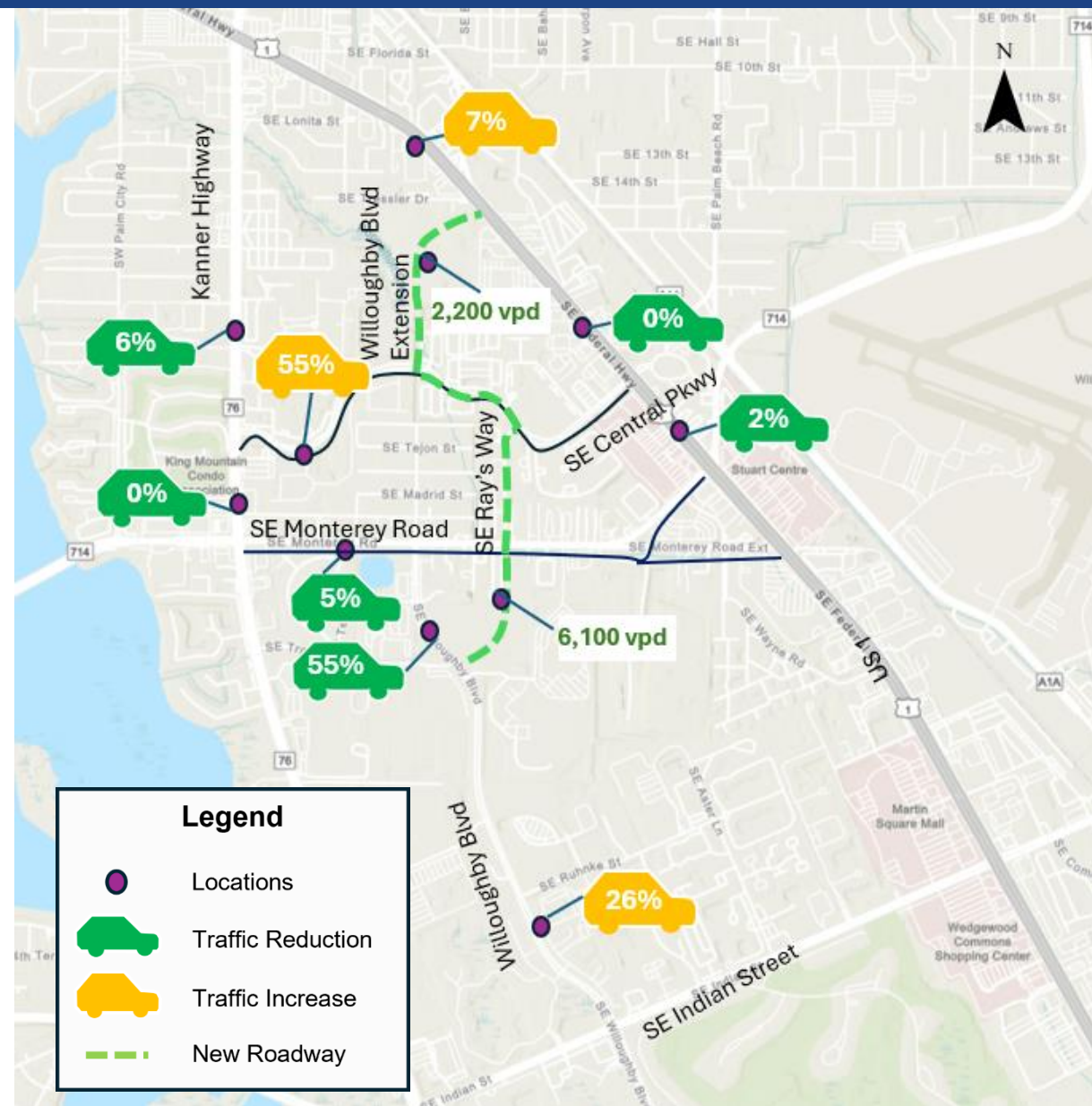


Reduced travel time

**CORRIDOR 2**

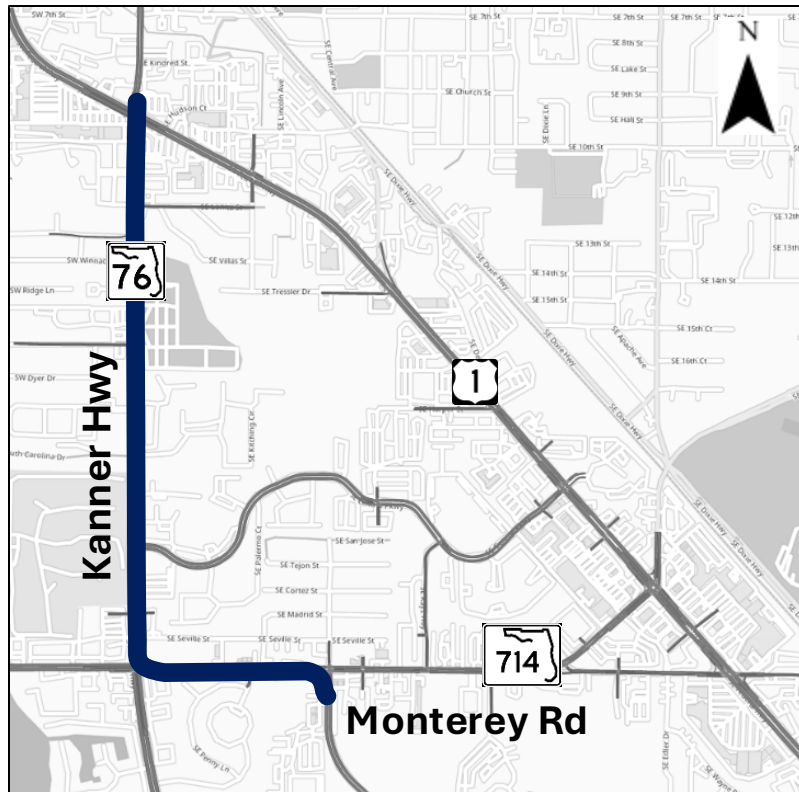


**NO BUILD**

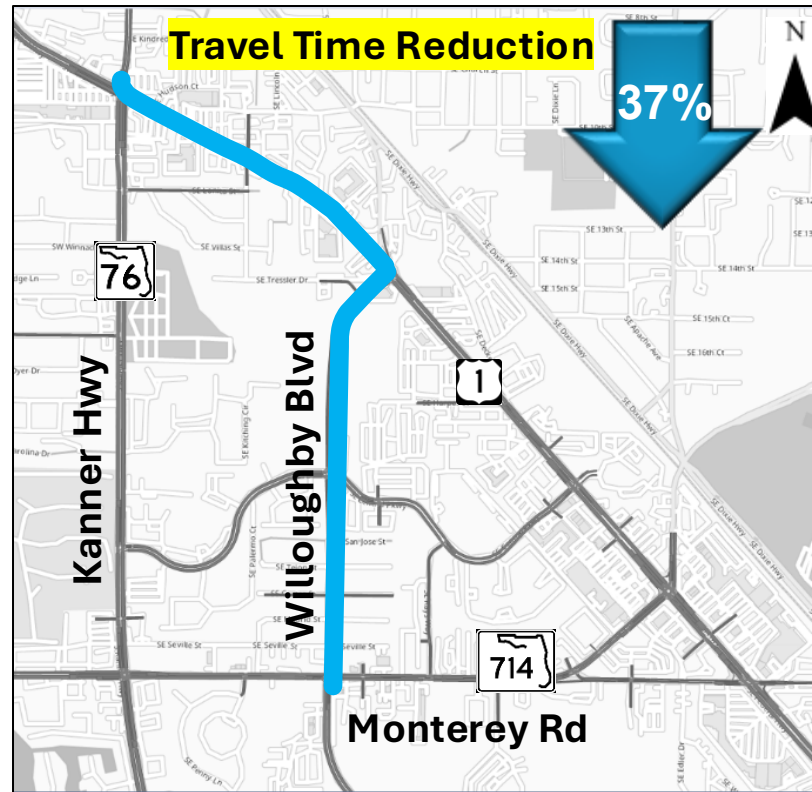


# 2045 No-Build, Corridor 1 and Corridor 2 Evening Peak Hour Travel Time Comparison

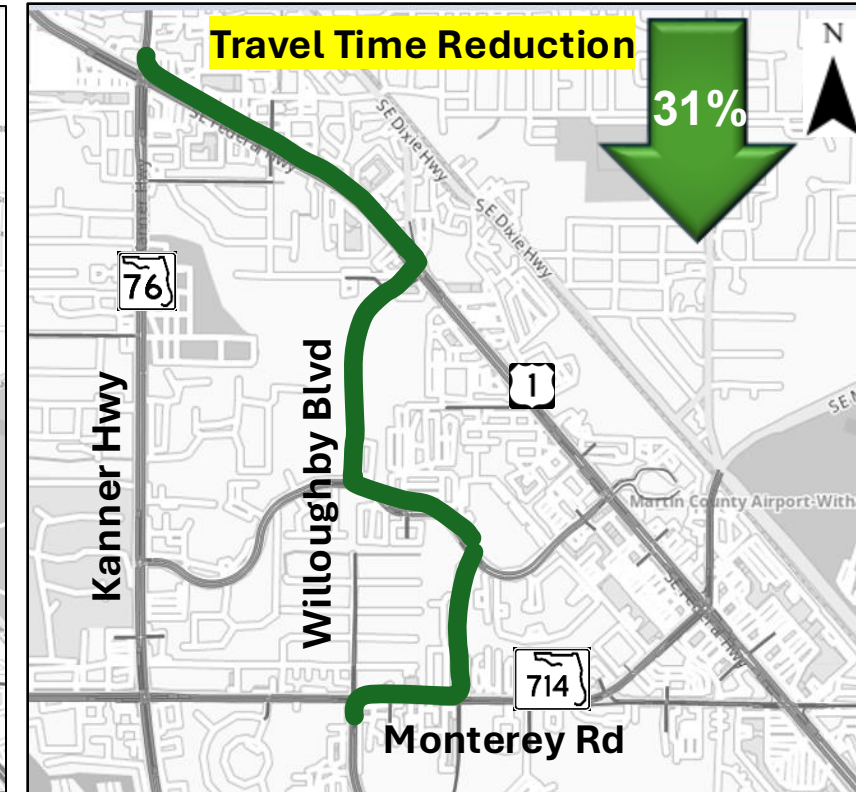
## No-Build Alternative



## No-Build vs. Corridor 1



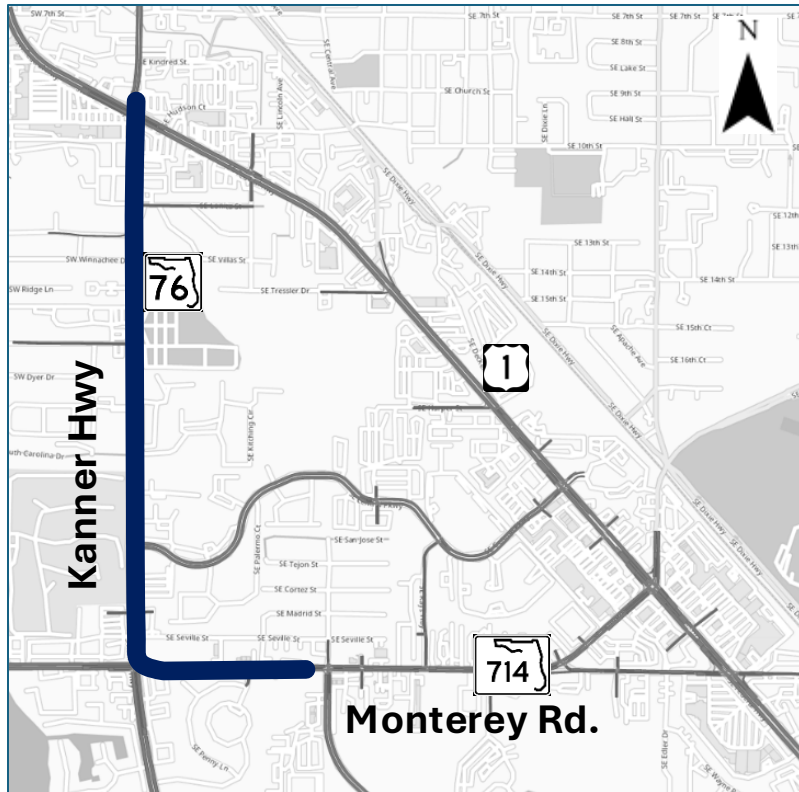
## No-Build vs. Corridor 2



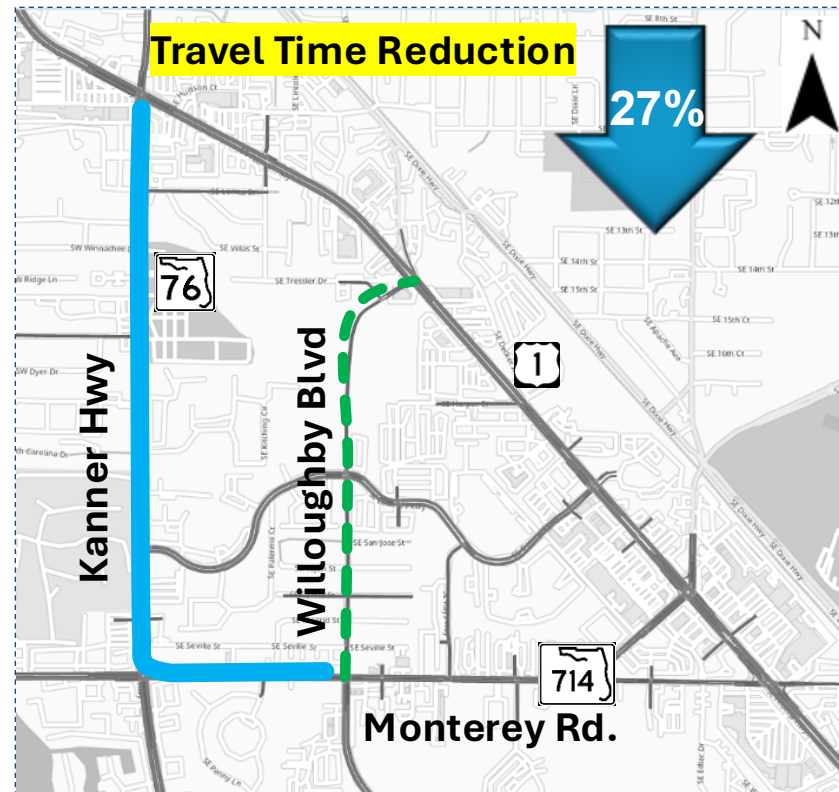
**S.R. 714 / Willoughby Blvd. to S.R. 76 / U.S. 1 (New Corridor)**

# 2045 No-Build, Corridor 1 and Corridor 2 Evening Peak Hour Travel Time Comparison

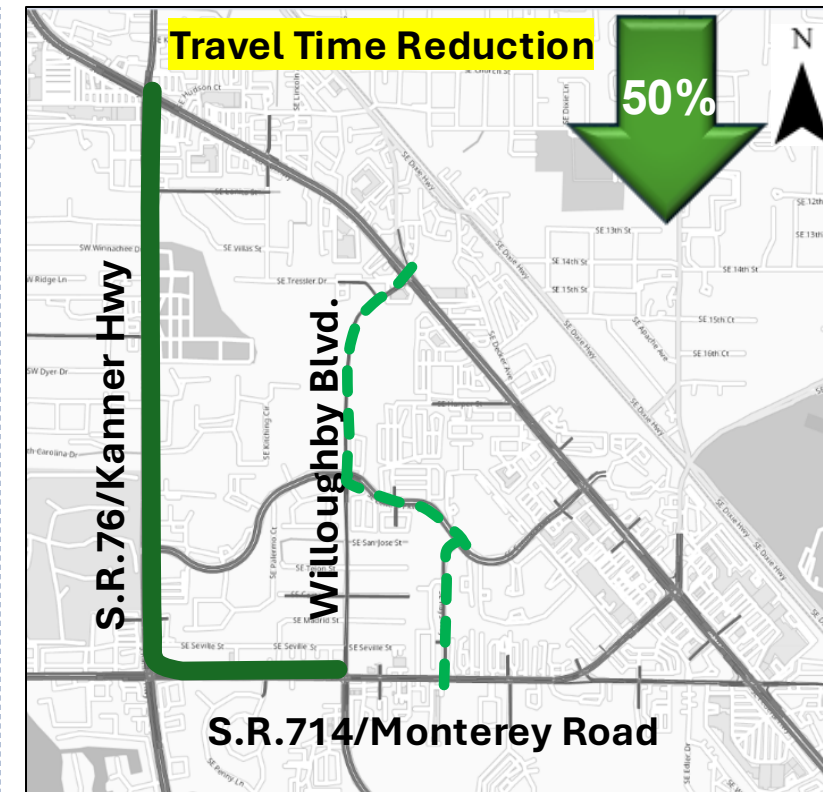
No-Build Alternative



No-Build vs. Corridor 1



No-Build vs. Corridor 2

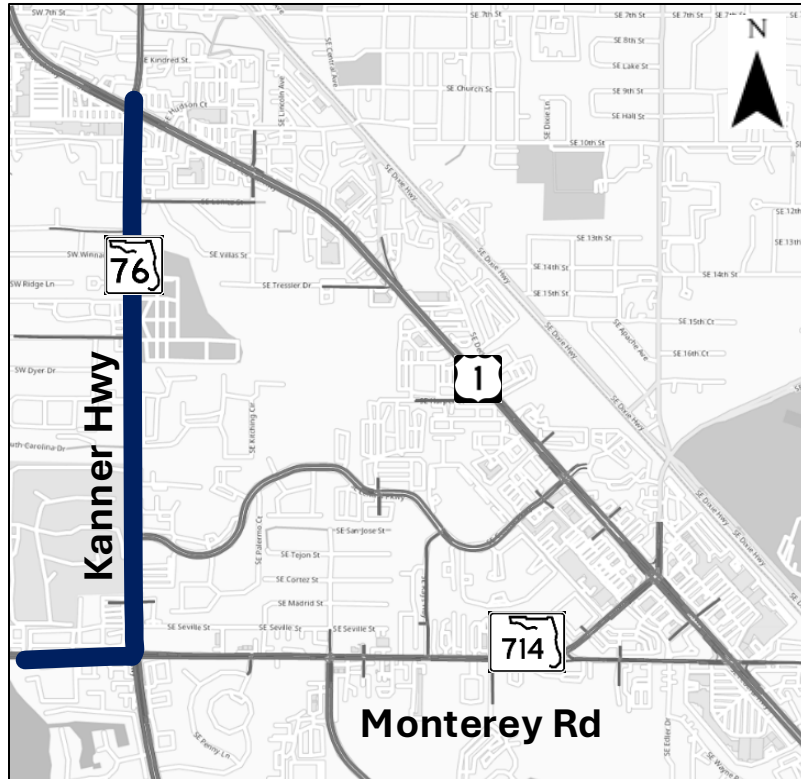


**S.R. 714 / Willoughby Blvd. to S.R. 76 / U.S. 1  
(Existing Corridor)**

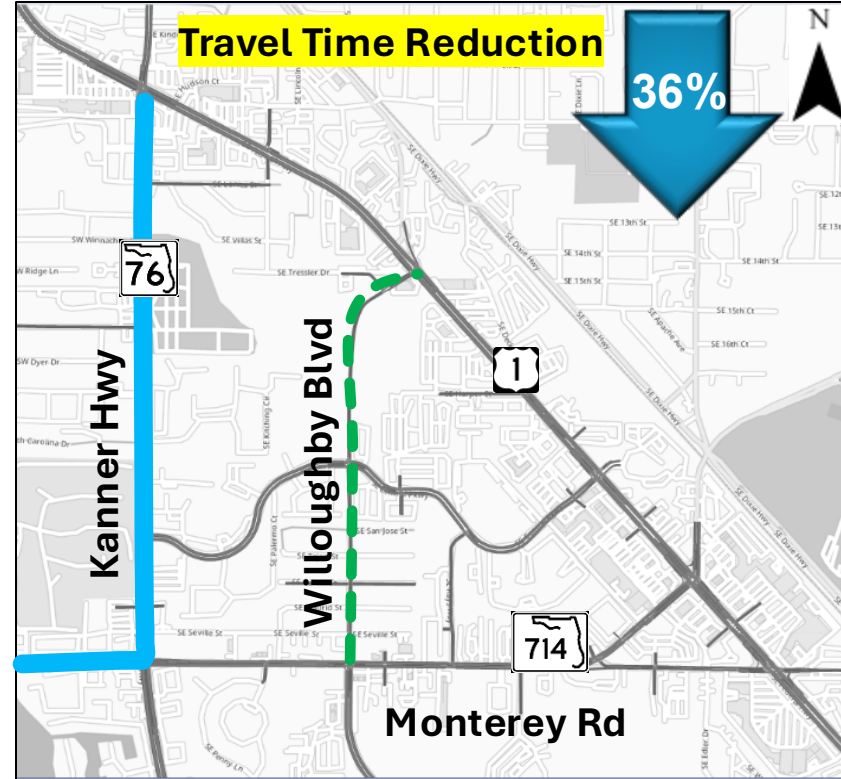
**Legend**  
 New Roadway

# 2045 No-Build, Corridor 1 and Corridor 2 Evening Peak Hour Travel Time Comparison

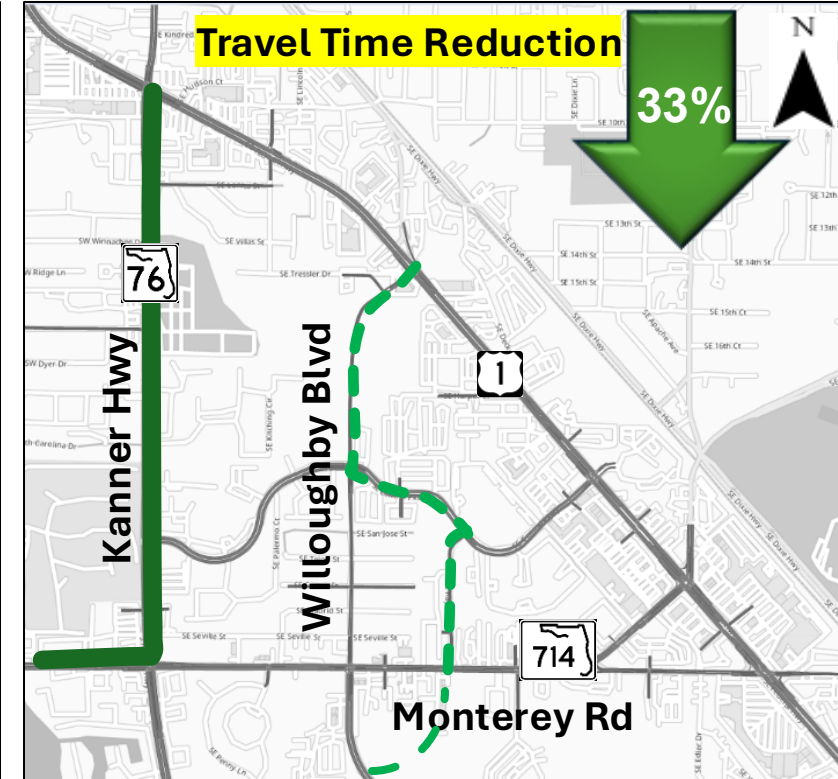
No-Build Alternative



No-Build vs. Corridor 1



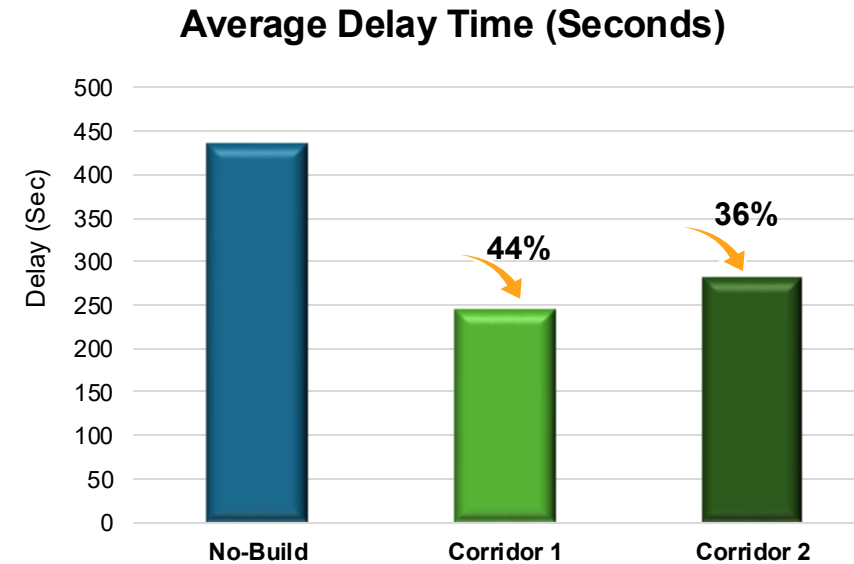
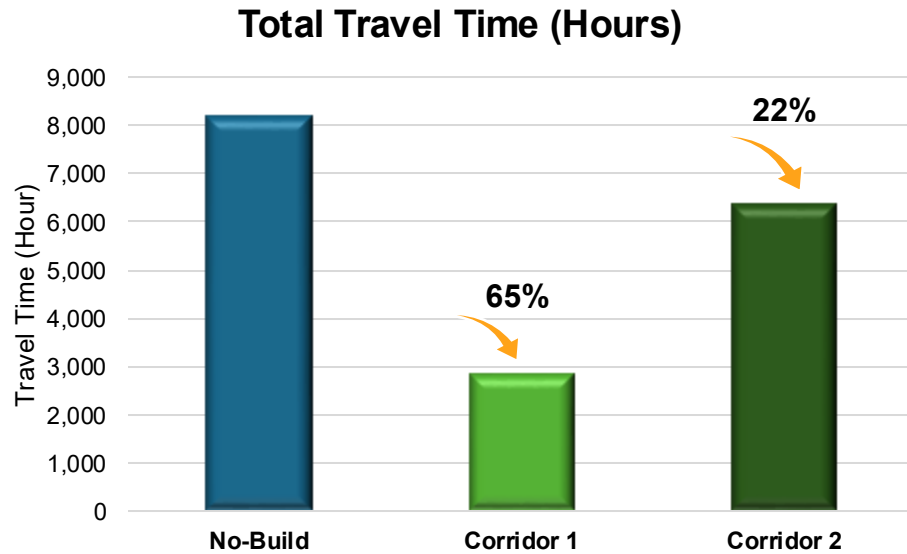
No-Build vs. Corridor 2



S.R. 714 west of S.R. 76 to S.R. 76 / U.S. 1



# 2045 Total Travel Time and Delay Comparative Results<sup>1</sup>

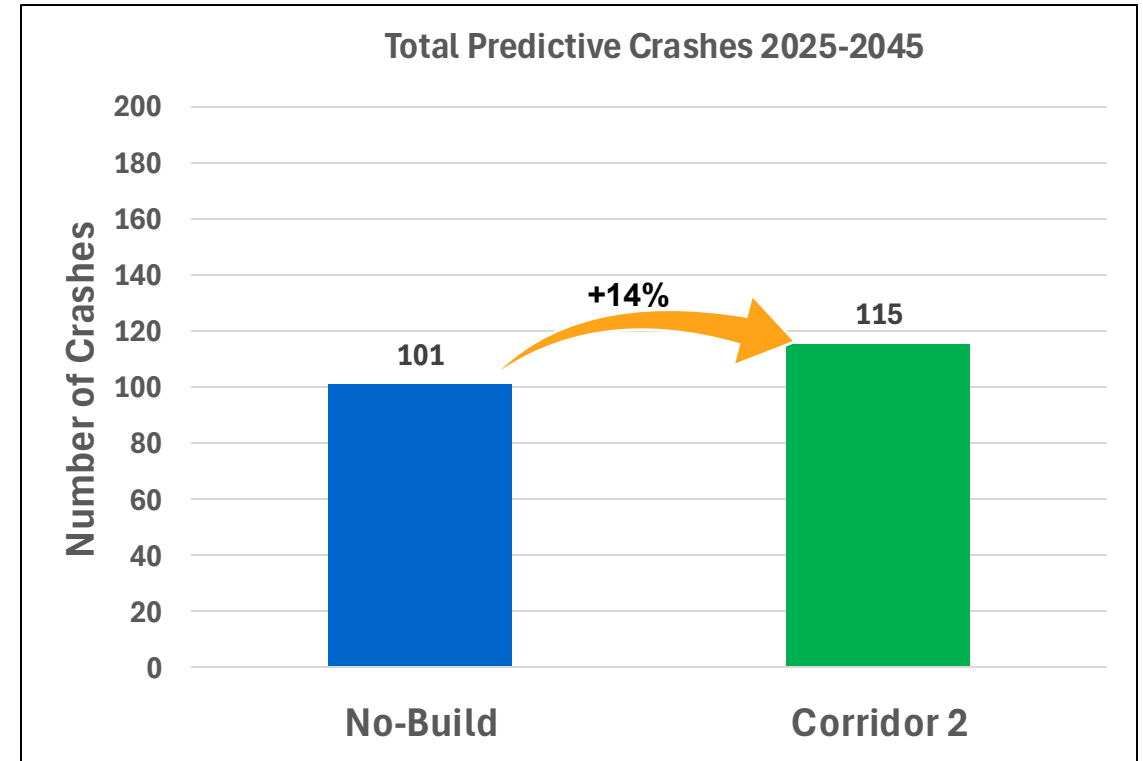
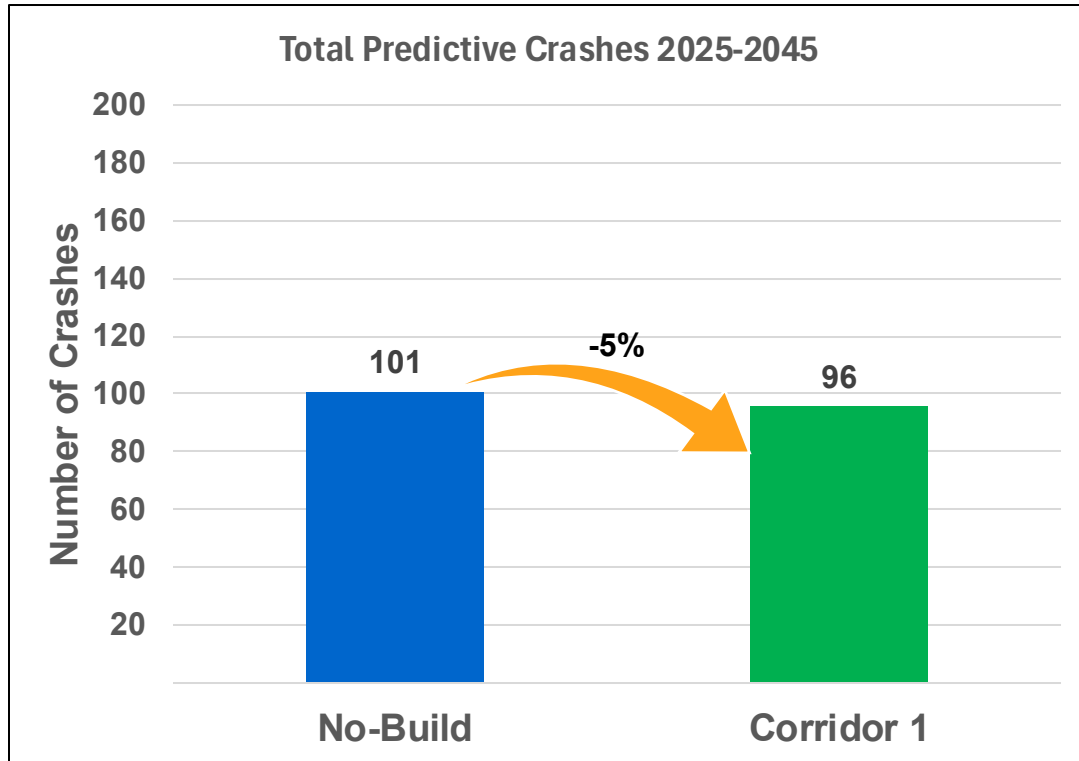


User Benefits of the Build alternative were estimated over a 21-year project life span using the projected reduction in network travel time:

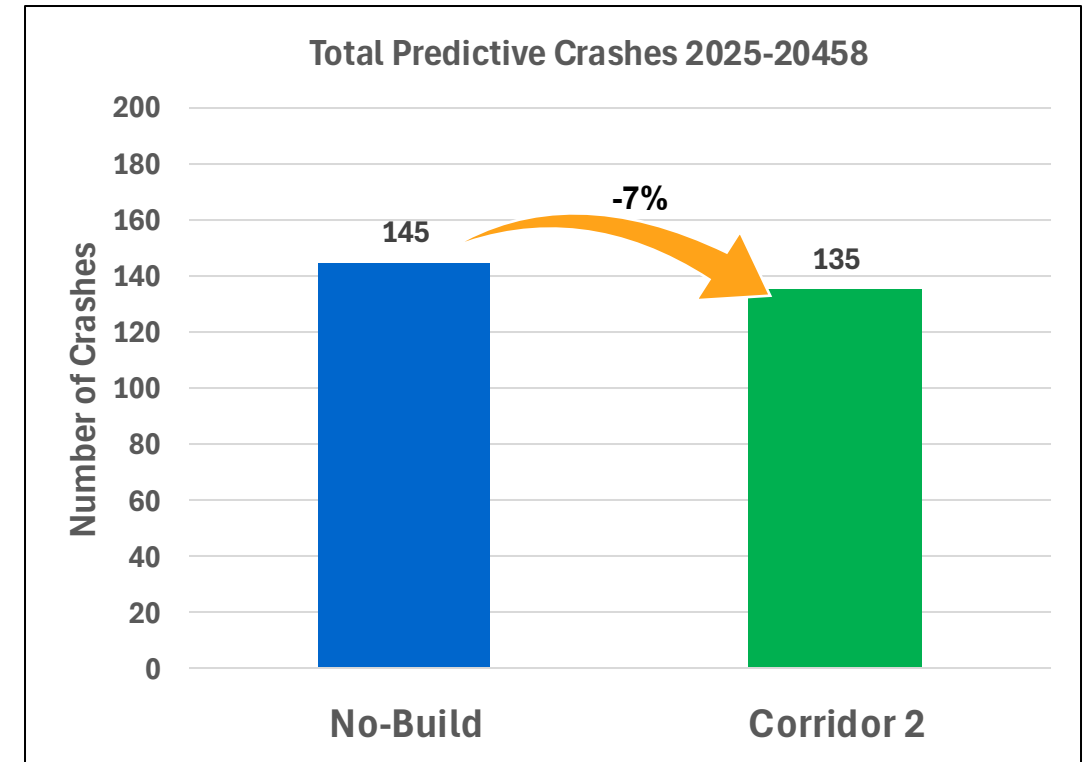
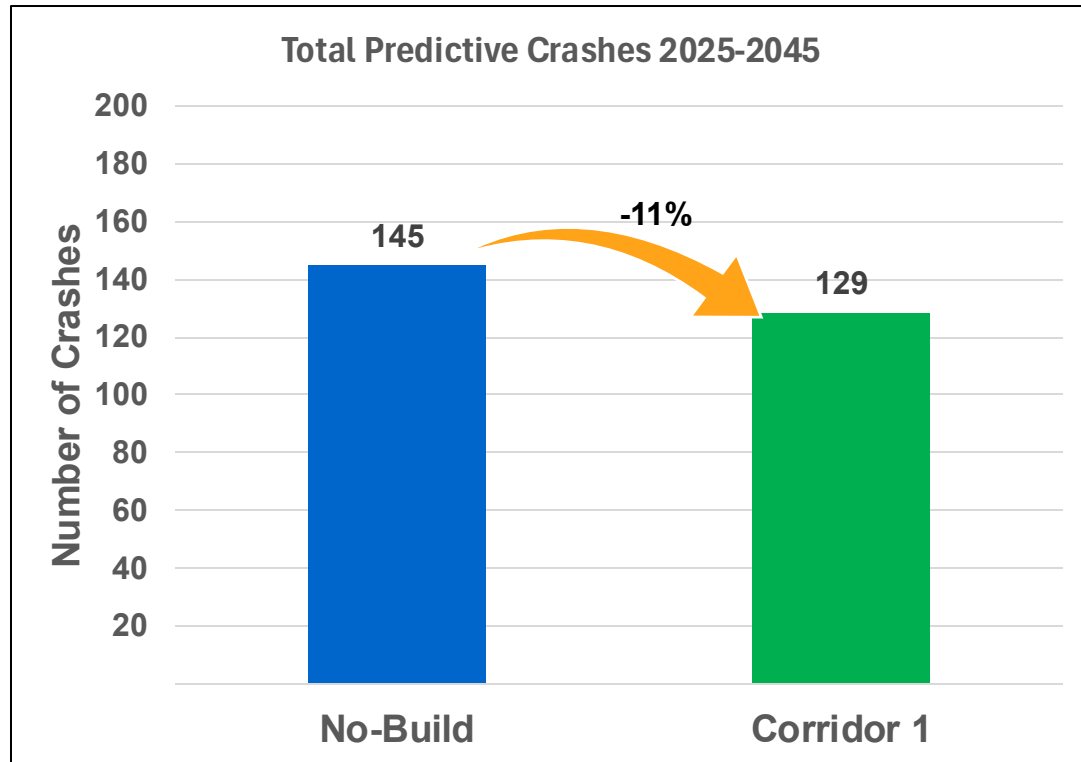
- Corridor 1 User Benefit: **\$57 Million** or **\$2.7 Million** per year
- Corridor 2 User Benefit: **\$50 Million** or **\$2.3 Million** per year

1. Daily statistics include the AM (7:00–11:00 AM) and PM (3:30–7:30 PM) peak periods. Total travel time (hours) and average delay (seconds) are network-wide statistics covering all roadways in the study area.

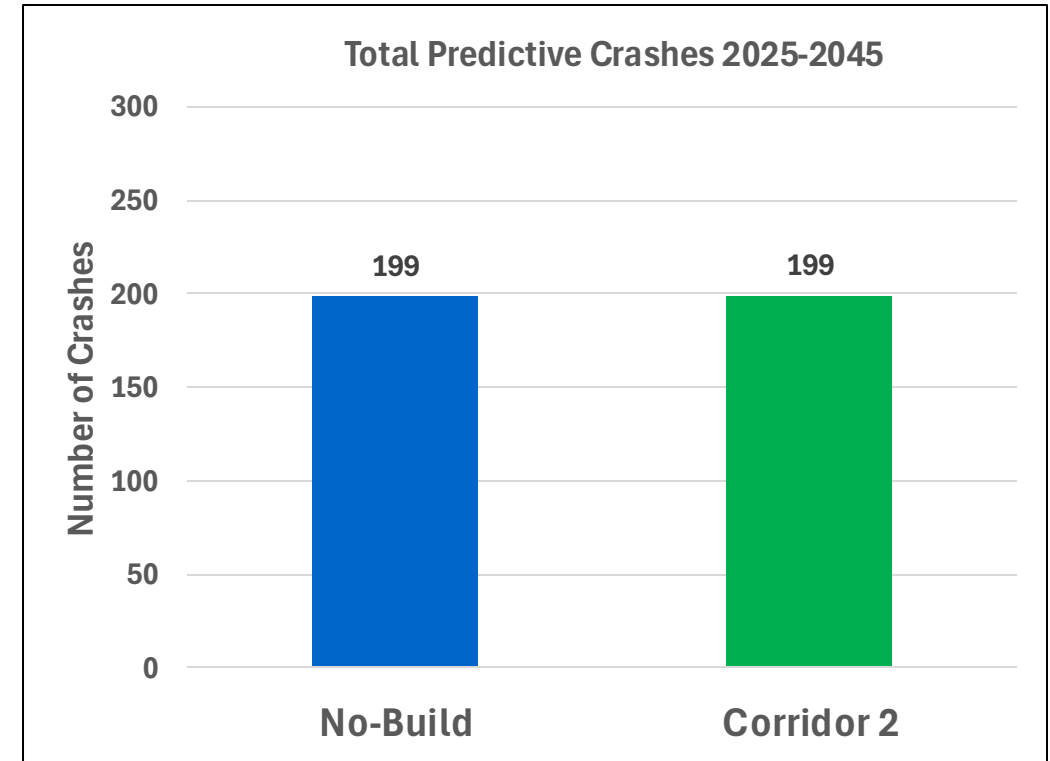
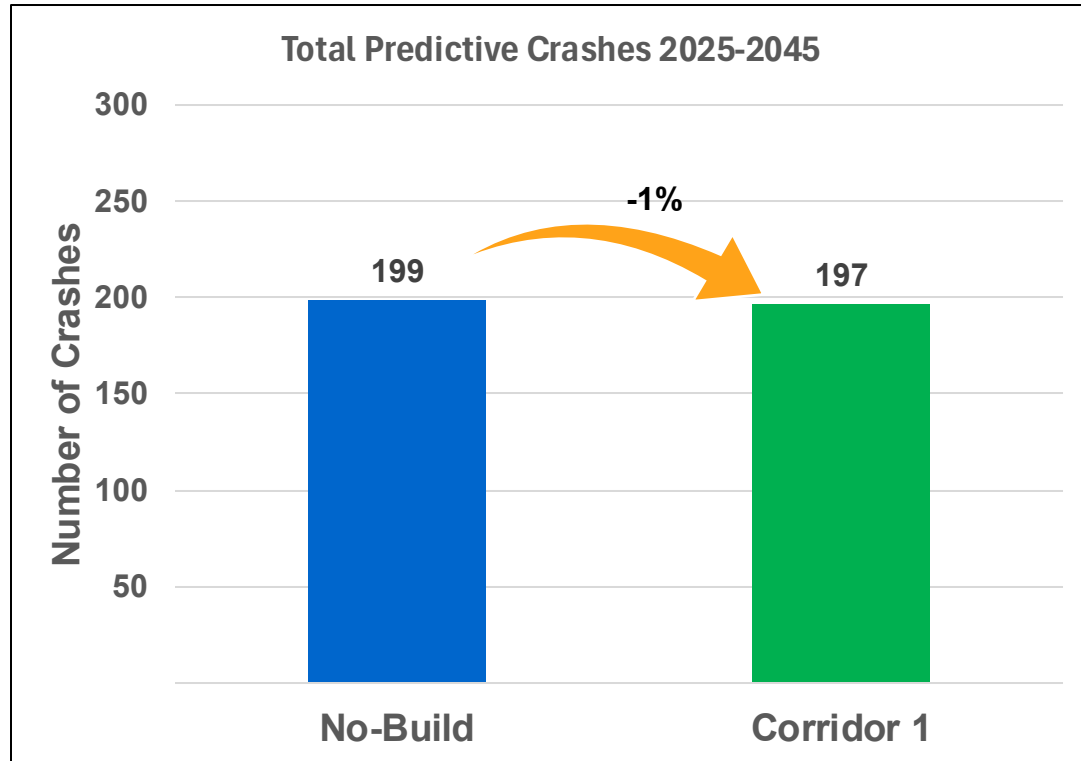
## Future Condition Safety Evaluation for S.E. Central Pkwy at S.R. 76/Kanner Hwy



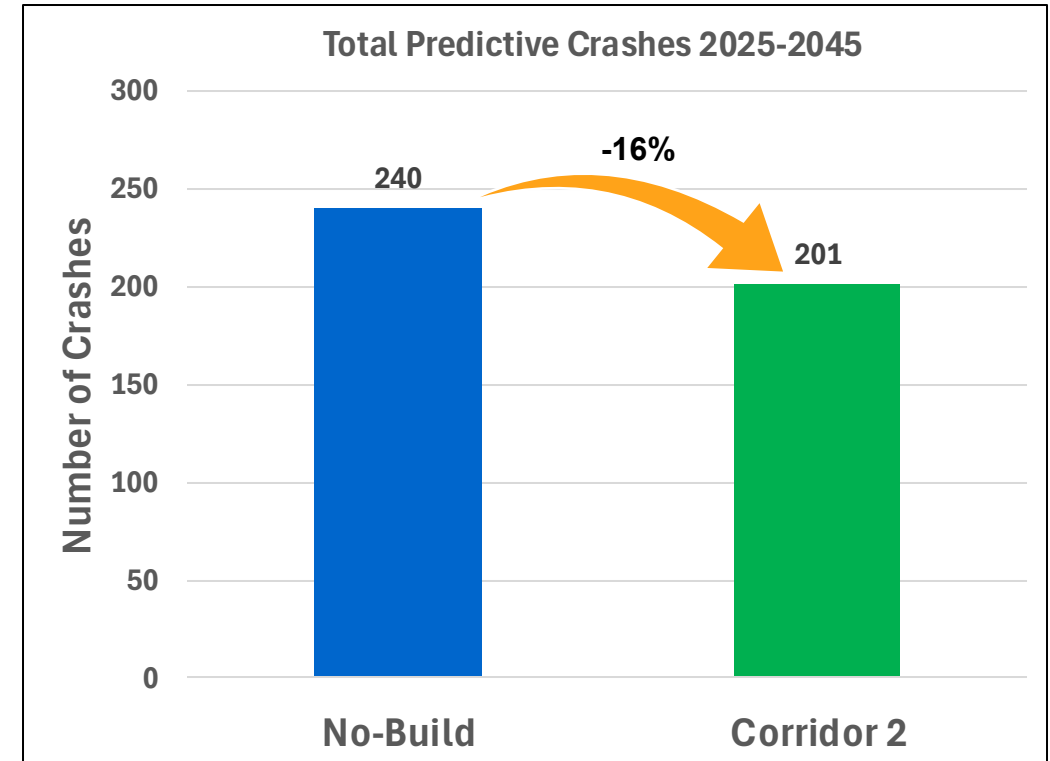
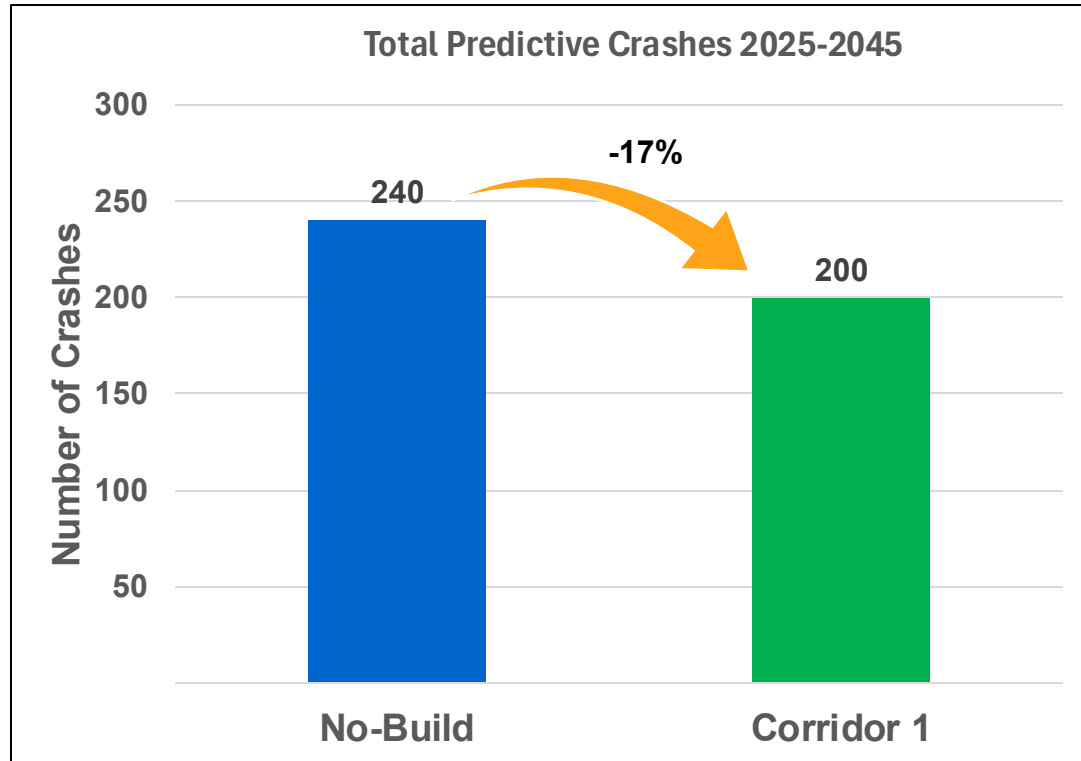
## Future Condition Safety Evaluation for S.E. Central Pkwy at U.S. 1



## Future Condition Safety Evaluation for S.R. 714/S.E. Monterey Rd at S.R. 76/Kanner Hwy

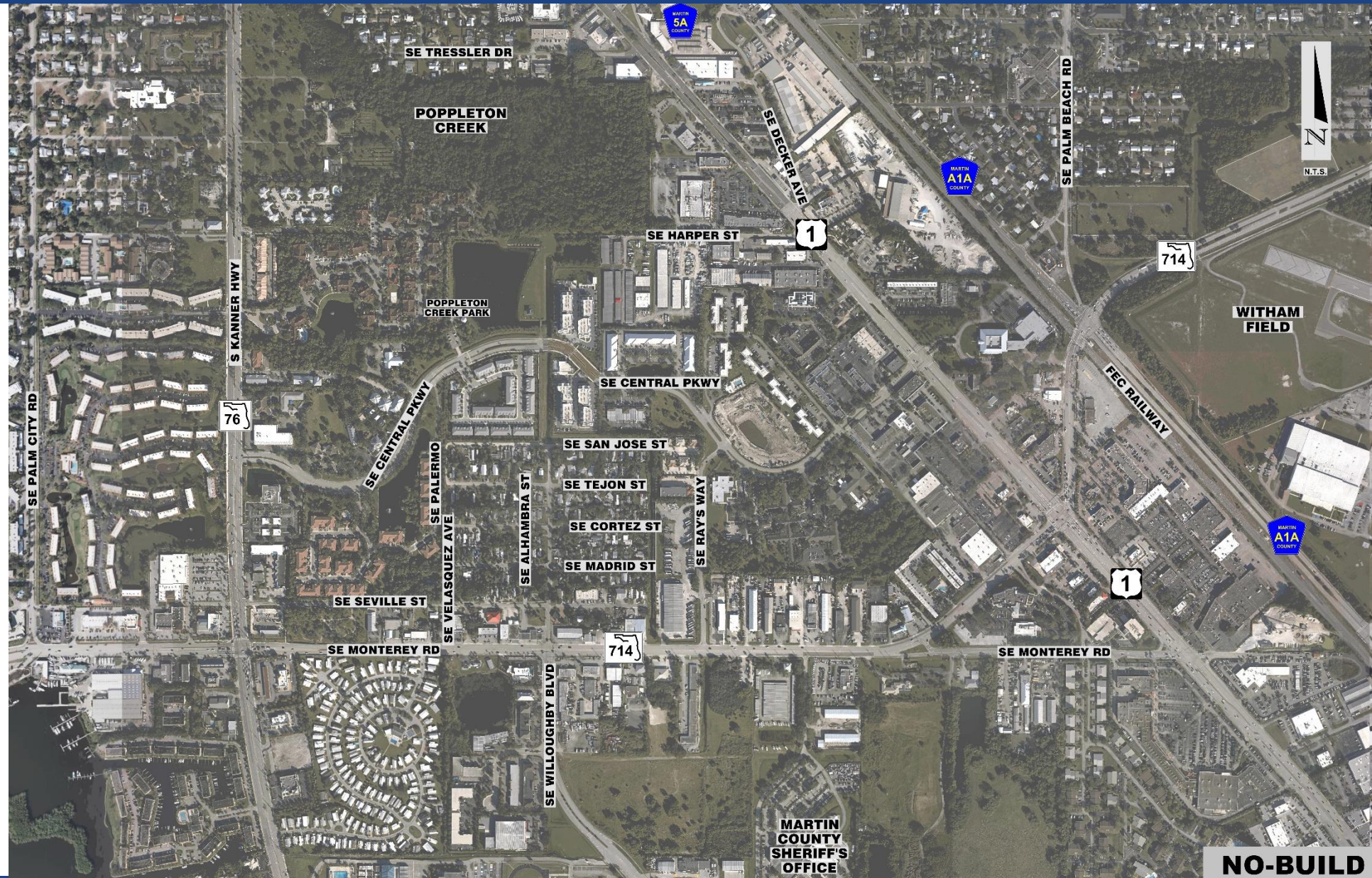


## Future Condition Safety Evaluation for S.R. 714/S.E. Monterey Rd at U.S. 1



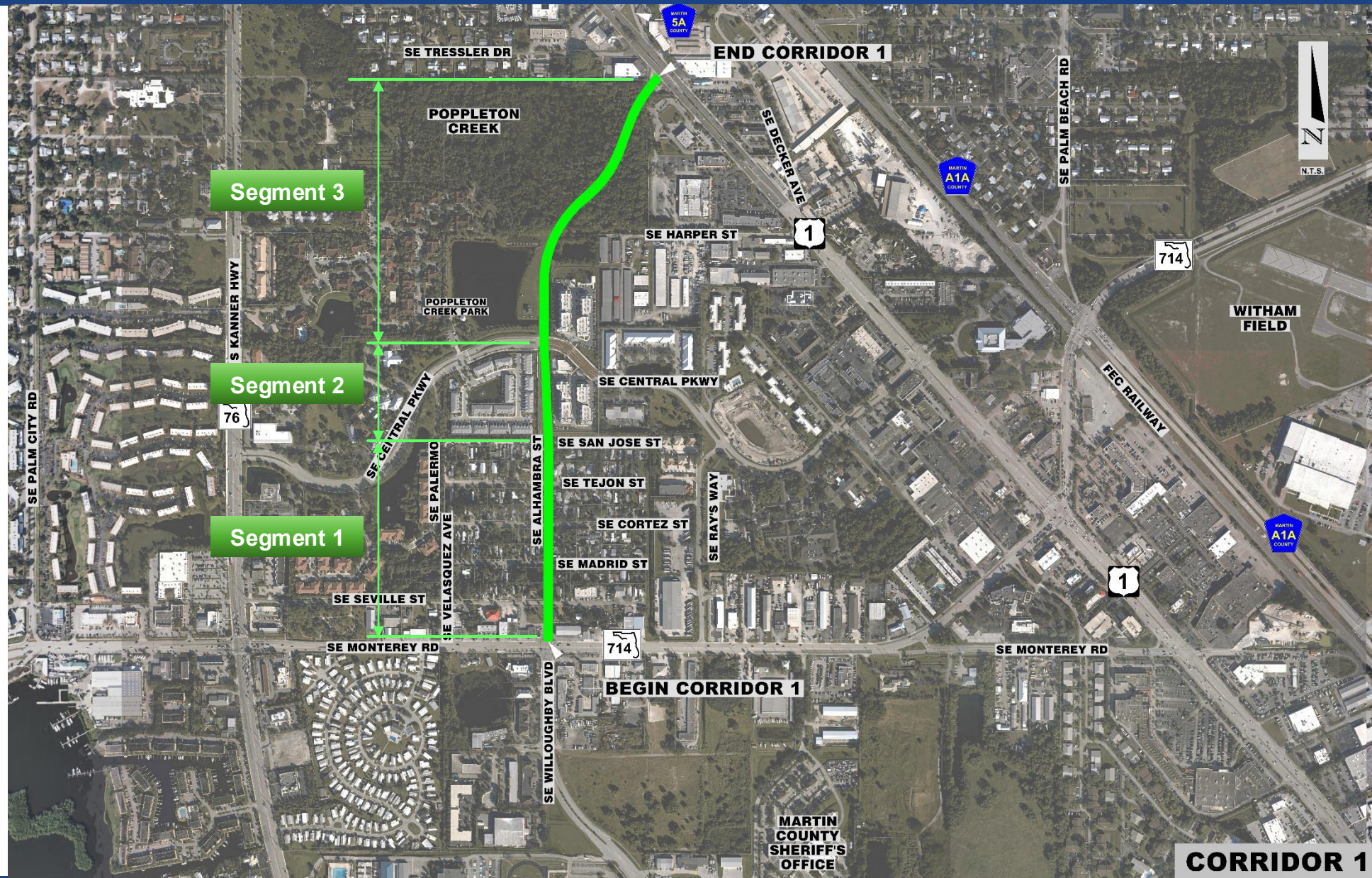
# No-Build

- No improvements
- Previously Planned/Programmed projects in place
  - S.R. 417 / FEC RR
  - S.R. 76 / U.S. 1 Improvements



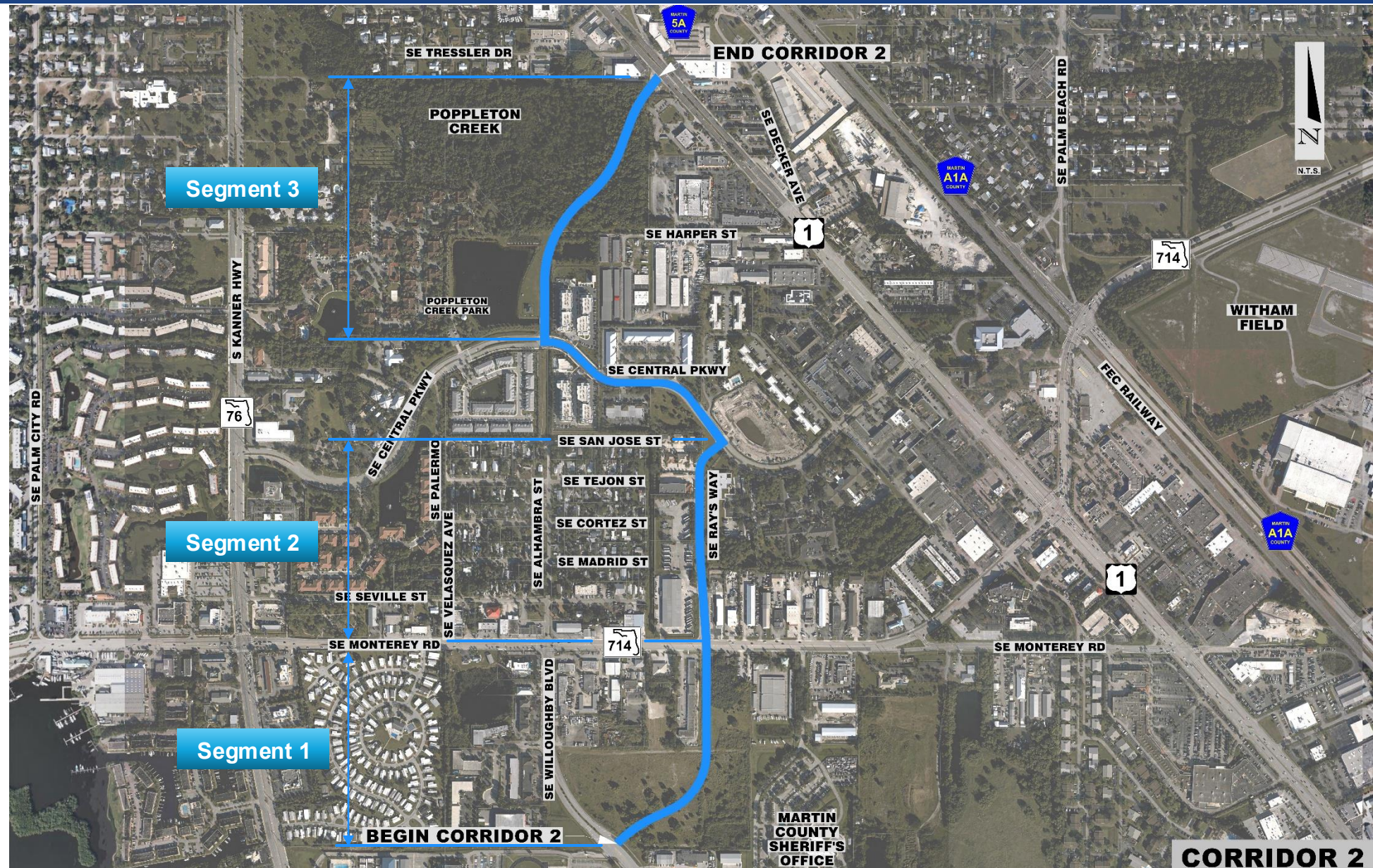
# Corridor 1

- Segment 1 – from S.R. 714 to San Jose St.
- Segment 2 – from San Jose St. to Central Pkwy.
- Segment 3 – from Central Pkwy. to U.S. 1



## Corridor 2

- Segment 1 – from Willoughby Blvd. to S.R. 714
- Segment 2 – from Rays Way to Central Pkwy.
- Existing Central Pkwy.
- Segment 3 – from Central Pkwy. to U.S. 1



## Existing Typical Sections – No-Build

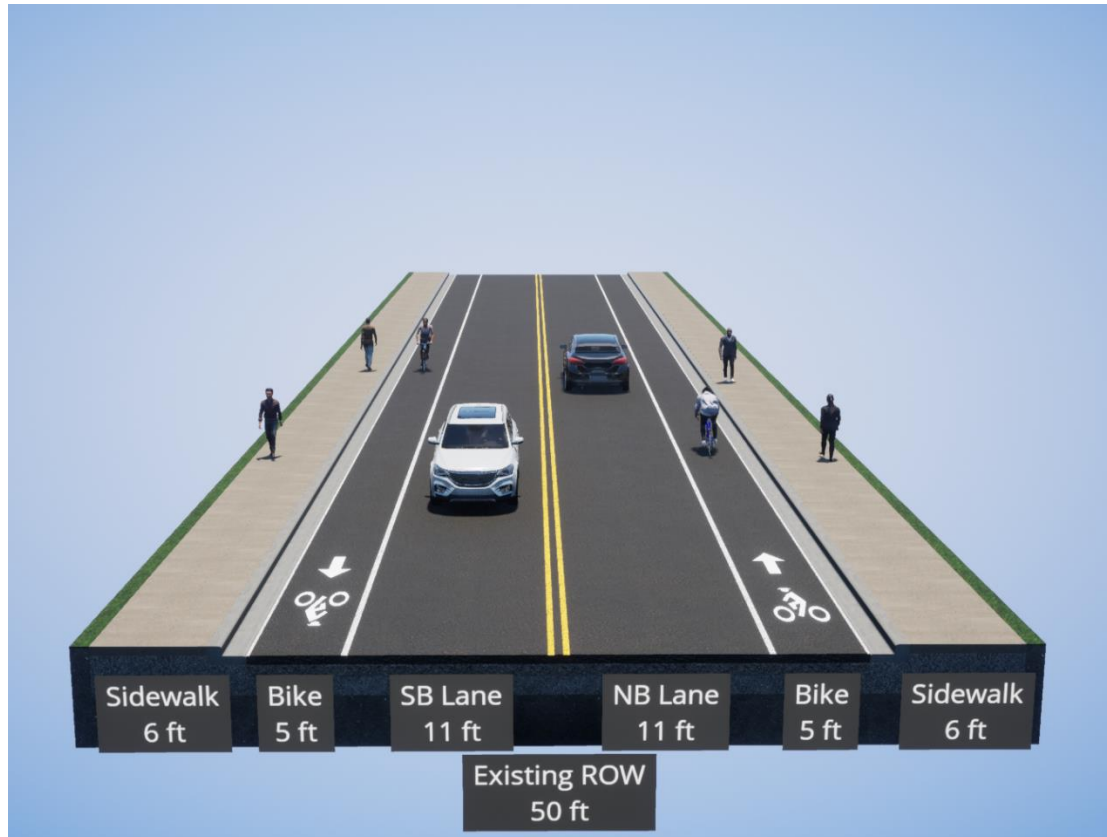


Alhambra Avenue



Rays Way

# Typical Sections - Corridor 1, Segment 1



Alternative A



Alternative B

## Typical Sections - Corridor 1, Segment 2



Alternative A



Alternative B

# Typical Sections - Corridor 2, Segment 1

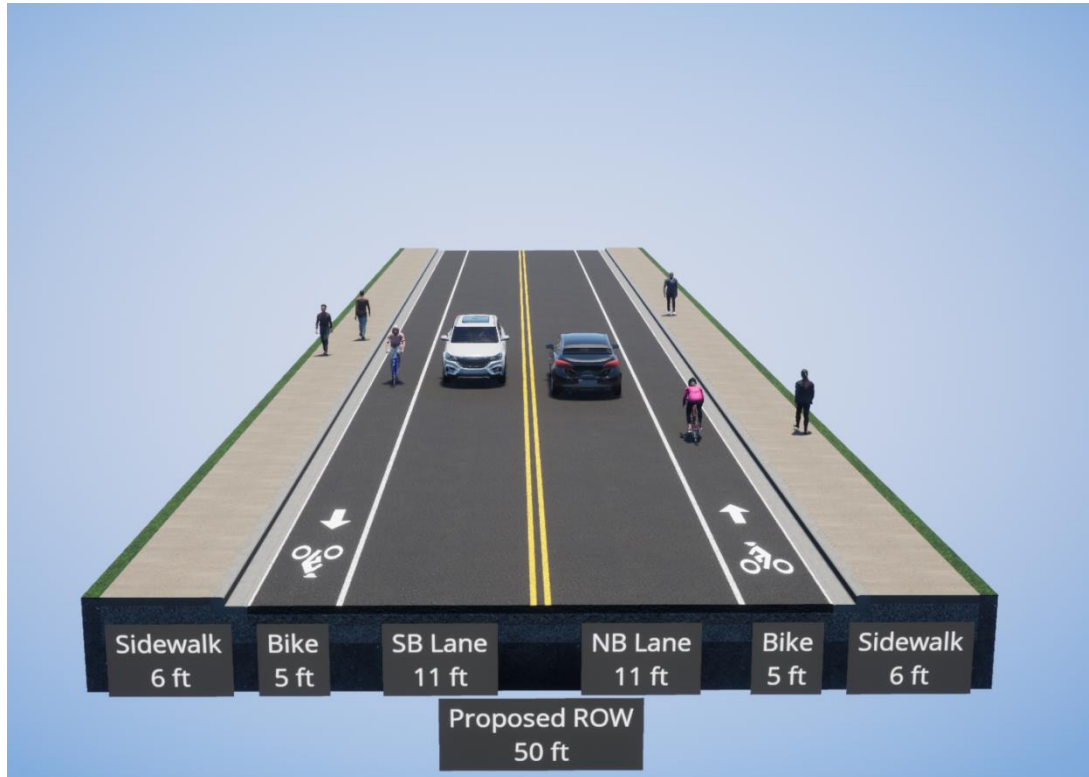


Alternative A



Alternative B

# Typical Sections - Corridor 2, Segment 1



Alternative C



Alternative D

## Typical Sections - Corridor 2, Segment 2



Alternative A



Alternative B

## Typical Sections - Corridors 1 & 2, Segment 3



Alternative A



Alternative B

## Corridor Build Renderings

- ❖ Slide 44 – Corridors 1 & 2, looking north from Central Pkwy.
- ❖ Slide 45 – Corridor 1, looking south from Central Pkwy.
- ❖ Slide 46 – Corridor 1, looking north from San Jose St.
- ❖ Slide 47 – Corridor 1, looking southeast from the Alhambra Ave. / Cortez St. intersection
- ❖ Slide 48 – Corridor 1 – looking north from the S.R. 714 / Willoughby Blvd. intersection
- ❖ Slide 49 – Corridor 1, looking south from San Jose St.
- ❖ Slide 50 – Corridors 1 & 2, looking north at the U.S. 1 / Willoughby Blvd. intersection



**Central Parkway at Willoughby Boulevard looking North – Build**



## Central Parkway at Willoughby Boulevard looking South – Build



**Preliminary – Subject to Change**

## Willoughby Blvd. at San Jose St. looking North – Build



**Preliminary – Subject to Change**

## Cortez St. at Alhambra Ave. looking SE – Build



**Preliminary – Subject to Change**

# Willoughby Boulevard at S.R. 714 looking North – Build



**Preliminary – Subject to Change**

## Willoughby Blvd. at San Jose St. looking South – Build



**Preliminary – Subject to Change**

## U.S. 1 at Willoughby Blvd. looking North –Build



**Preliminary – Subject to Change**

# Environmental

## ❖ Key Project Issue

### Natural

- ❖ **Protected Species and Habitat**
  - Wetlands and Other Surface Waters
  - Essential Fish Habitat
  - Floodplains
- ❖ **Water Resources (Water Quality and Quantity)**

### Cultural

- Section 106 (NHPA)
- ❖ **Historic Sites/Districts**
  - Archaeological Sites
- ❖ **Section 4(f)**
- ❖ **Recreational Areas**

### Physical

- ❖ **Highway Traffic Noise**
- ❖ **Air Quality**
- ❖ **Contamination**
  - Utilities and Railroads
  - Construction

### Social & Economic

- ❖ **Communities**
  - Economic
- ❖ **Land Use Changes**
- ❖ **Mobility**
  - Aesthetic Effects
  - Relocation Potential

### Required Agency Coordination



# Environmental Analysis – Natural Environment

## Wetlands / Other Surface Waters

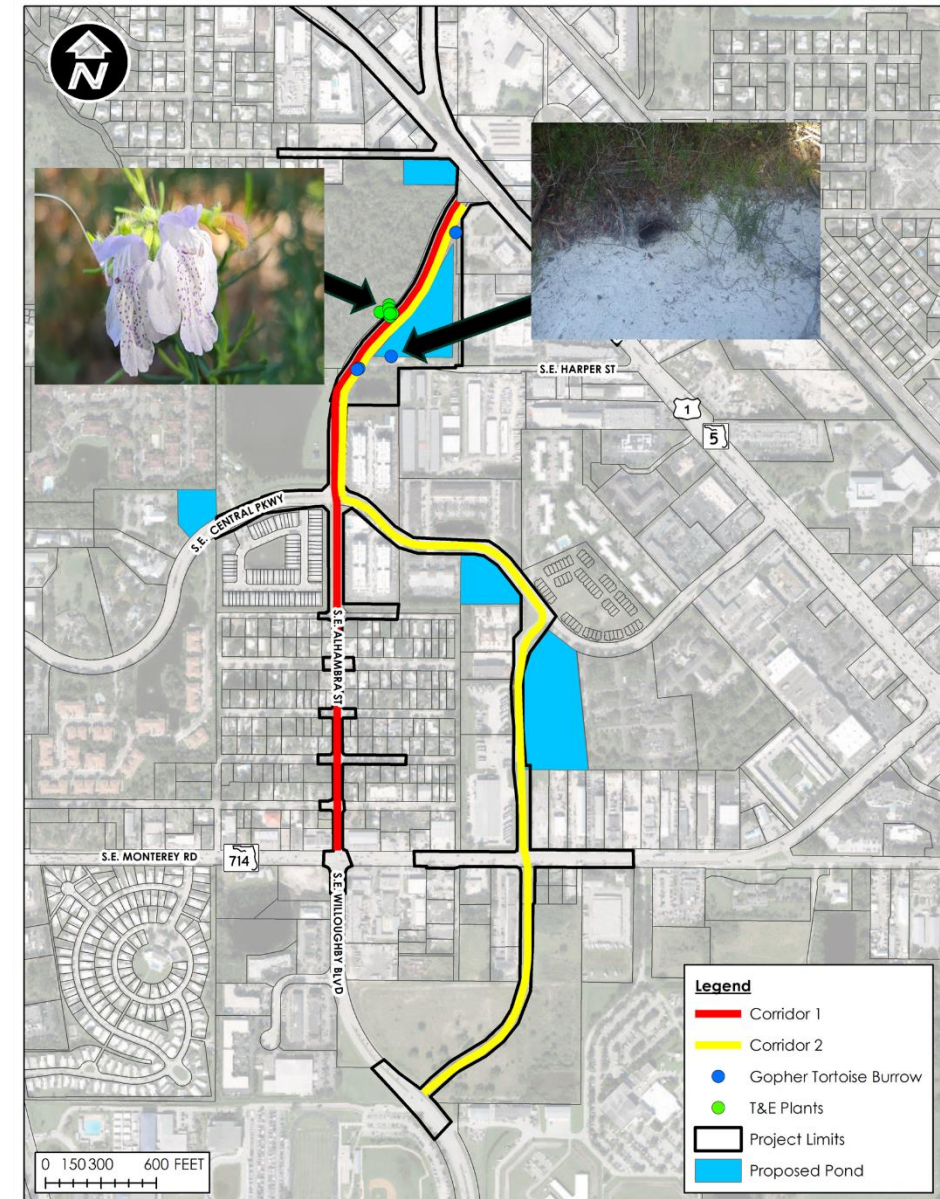
- Poppleton Creek Watershed Project – Willoughby Blvd included in Phase IV
- No impacts to Poppleton Creek, FDEP Pond, or existing treatment ponds
- Existing canal east of park to be culverted
- Potential impacts to remnant exotic-dominated wetland to be mitigated



# Environmental Analysis – Natural Environment

## Protected Species / Habitat

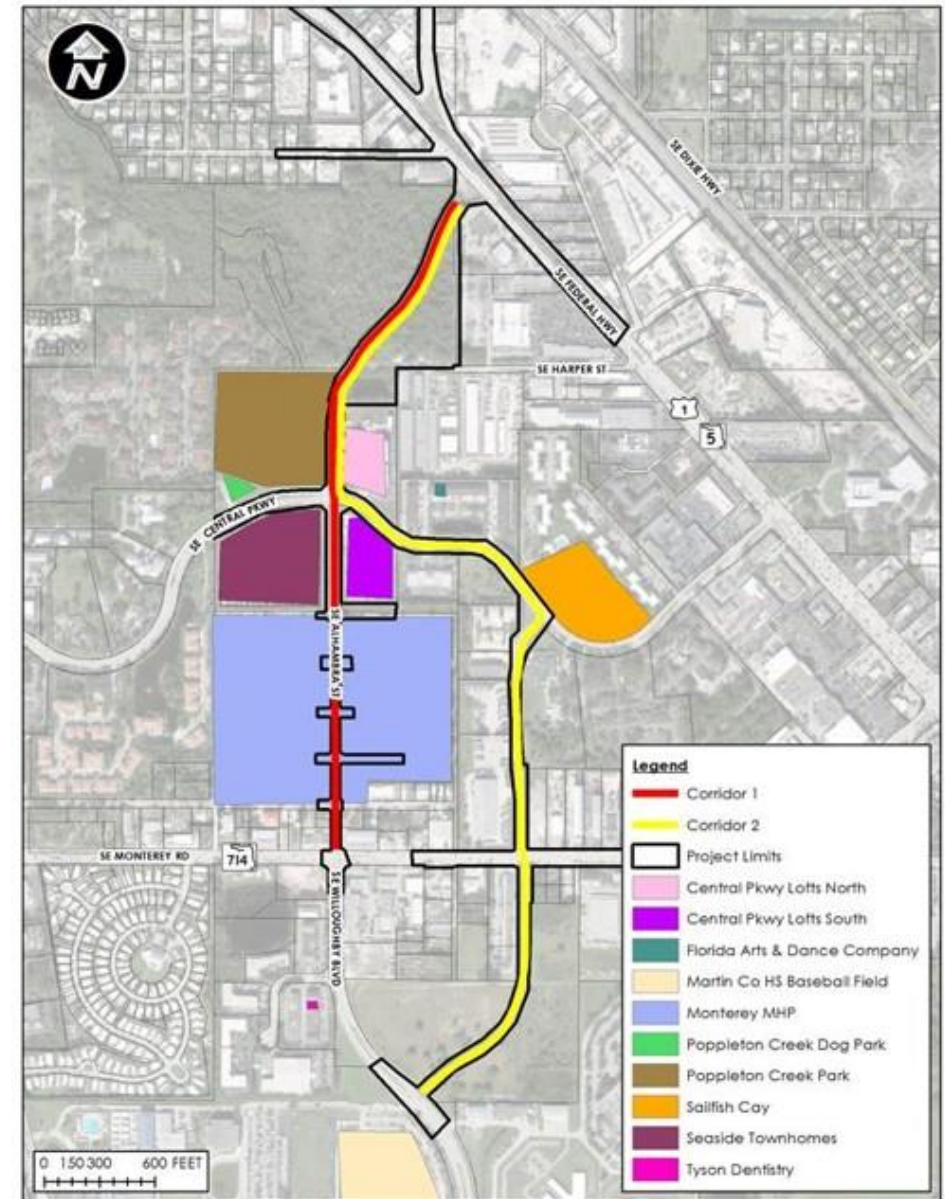
- Potential Fencing / Wildlife Crossing
- Gopher Tortoise Relocation
- Florida Bonneted Bat Survey Underway
- FDACS Opportunity to Relocate State-listed Plants
- Mitigation of Wood Stork Foraging Habitat
- USFWS / FWC Coordination Initiated



# Environmental Analysis

## Ongoing Assessments – Cultural and Physical

- Noise Study
- Historic/Archaeological Assessment
- Contamination Screening Evaluation
- No relocations are anticipated



# Environmental Analysis

## Ongoing Assessments – Cultural

- Section 4(f) Analysis – publicly owned lands, parks
  - ✓ No Direct Impacts
  - ✓ Minimal Indirect Impacts with Mitigation (landscaping / fencing)
  - ✓ Low Probability for Permanent Impact / Change of Use



# Preliminary Evaluation Matrix – No-Build, Corridor 1, Corridor 2

|                                       | No Build | Corridor 1 | Corridor 2 |
|---------------------------------------|----------|------------|------------|
| <b>Traffic (compared to No-Build)</b> |          |            |            |
| Delay                                 | N/A      | Low        | Low        |
| Travel Time                           | N/A      | Low        | Low        |
| Safety                                | N/A      | Medium     | Medium     |
| <b>Estimated Construction Costs</b>   |          |            |            |
| Construction                          | N/A      | \$30M      | \$38M      |
| Right of Way (Roadway and Pond)       | N/A      | Low        | High       |
| <b>Right of Way</b>                   |          |            |            |
| Acreage (Roadway and Pond)            | N/A      | 0.5        | 4.9        |
| Relocations                           | N/A      | 0          | 0          |
| <b>Environmental</b>                  |          |            |            |
| <i>Cultural</i>                       |          |            |            |
| Archeological/Historical Sites        | N/A      | Low        | Low        |
| Section 4(f) Sites Involvement        | N/A      | Low        | Low        |
| <i>Physical</i>                       |          |            |            |
| Noise                                 | N/A      | High       | Medium     |
| Petroleum & Hazardous Materials Site  | N/A      | Low        | Medium     |
| <i>Natural</i>                        |          |            |            |
| Wetlands/Other Surface Waters         | N/A      | Medium     | Medium     |
| Protected Species Involvement         | N/A      | Medium     | Medium     |
| <i>Social</i>                         |          |            |            |
| Community impacts                     | N/A      | Medium     | Low        |

# Public Involvement

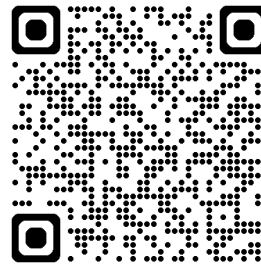
## Public Meetings

- ❖ Virtual Public Kick-off Meeting – June 25, 2025
- ❖ In-Person Public Kick-off Meeting – June 26, 2025
- ❖ Virtual Public Alternatives Meeting – July 28, 2026
- ❖ In-Person Public Alternatives Meeting – July 29, 2026
- ❖ Public Hearing – January 2028 (Tentative)

## How to participate

- ❖ Attend Public Meetings
- ❖ Provide your input
- ❖ Visit the project webpage:

<https://www.fdot.gov/projects/willoughbypde/>



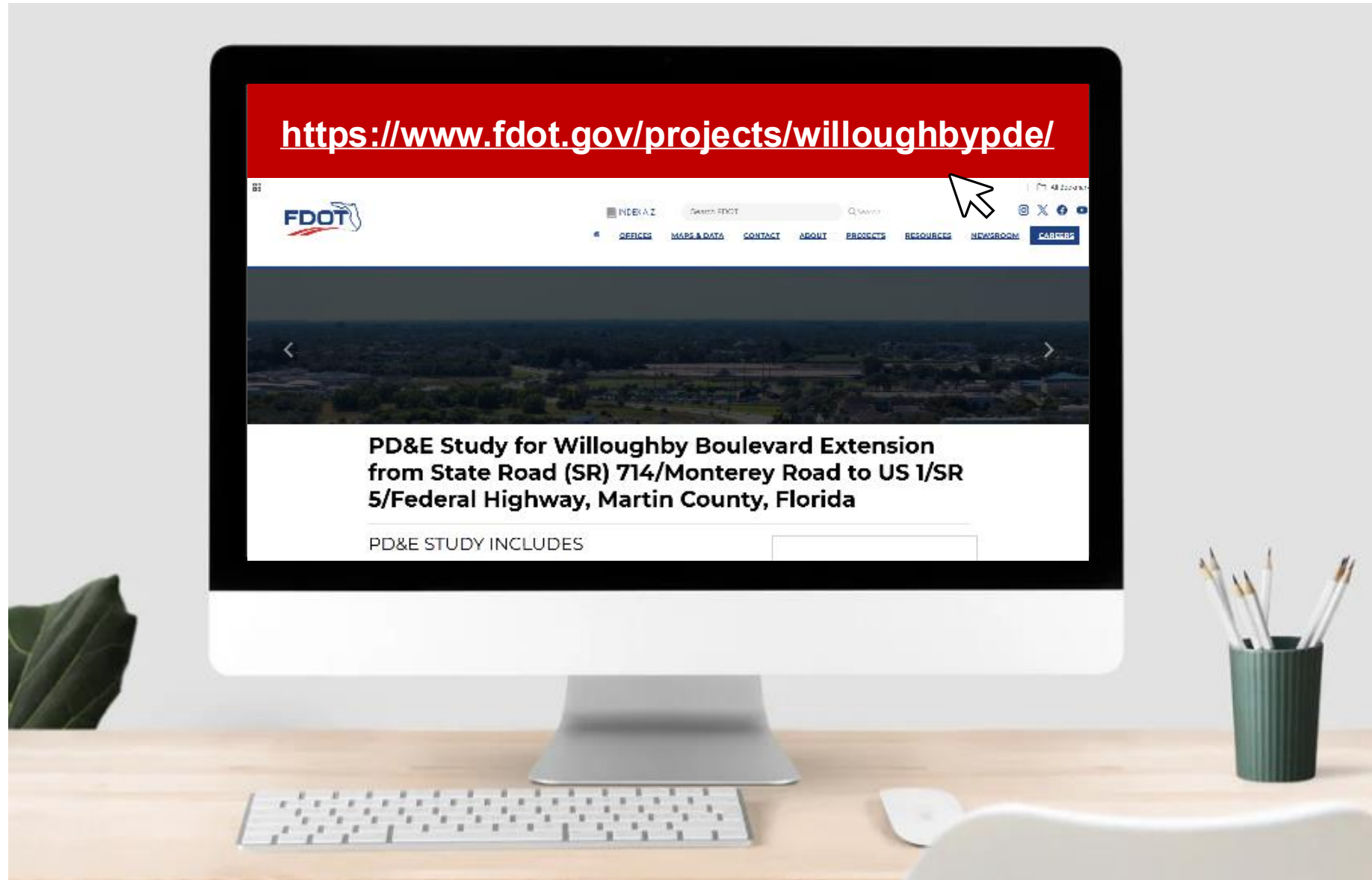
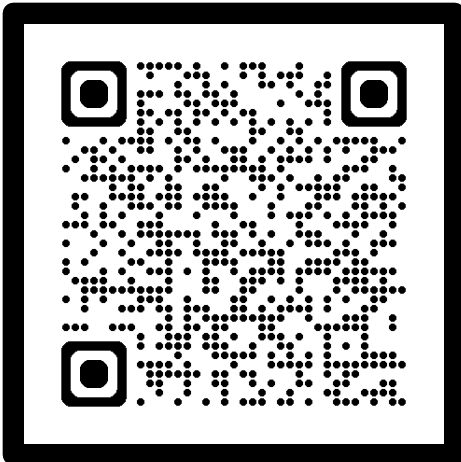
## Stakeholder Meetings



**Elected Officials**  
**Local Businesses**  
**Local Neighborhoods**

## Project Website

- ❖ We encourage you to be an active participant and stay involved throughout the entire project.
- ❖ Visit the project website to learn more about the study and to provide feedback.

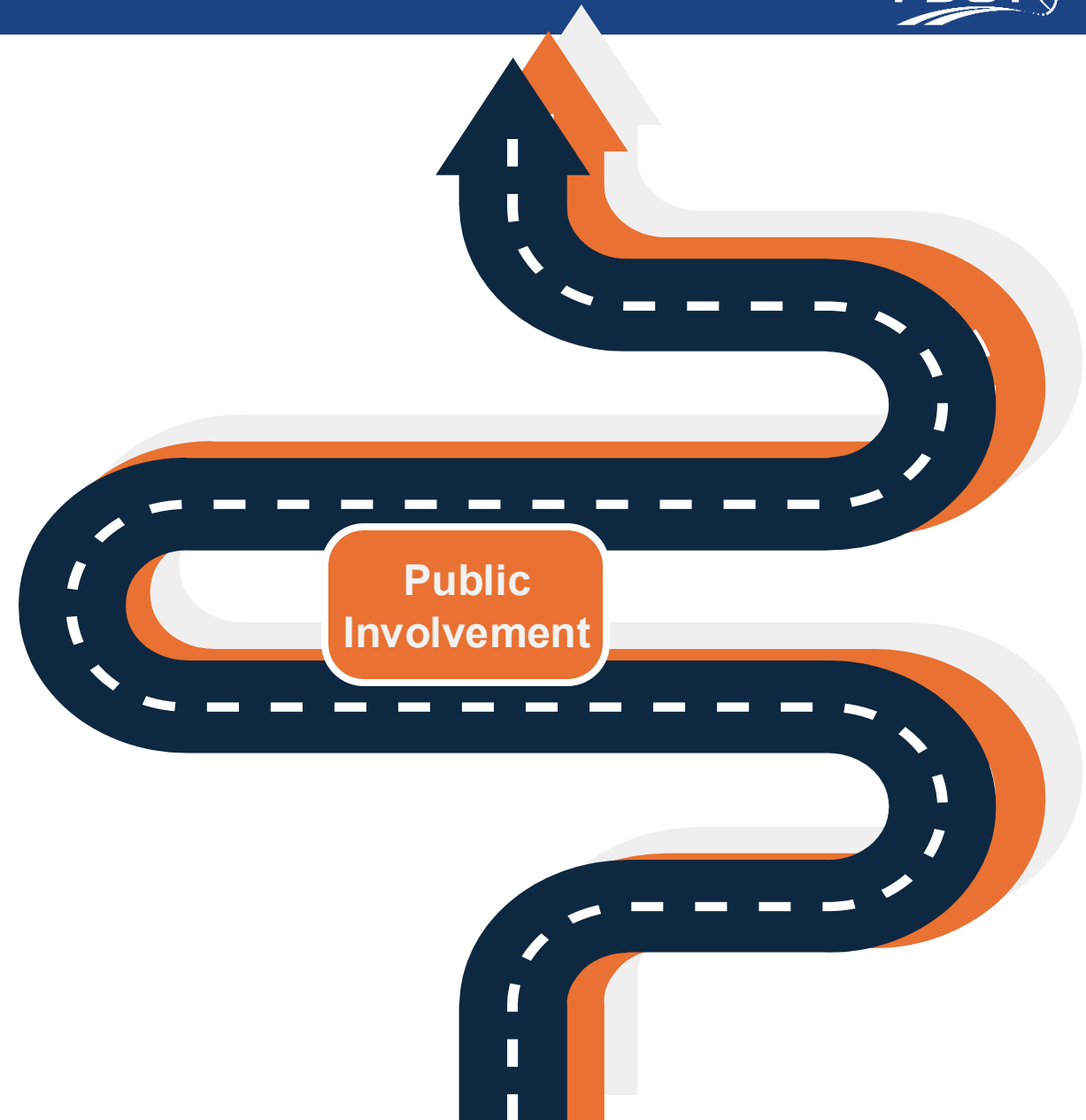


**Design and Construction Funding Status:** Unfunded



## Next Steps

- Continue **Public Involvement**
- Document **Engineering and Environmental Analyses** for **Public Review**
- Select **Preferred Alternative** and Present at **Public Hearing**
- **FDOT Provides the opportunity and encourages the Public to give feedback throughout the project.** Please provide any comments, questions, or concerns by mail, email, phone, or by visiting the project website. We welcome and encourage you to share your input throughout the duration of the project.



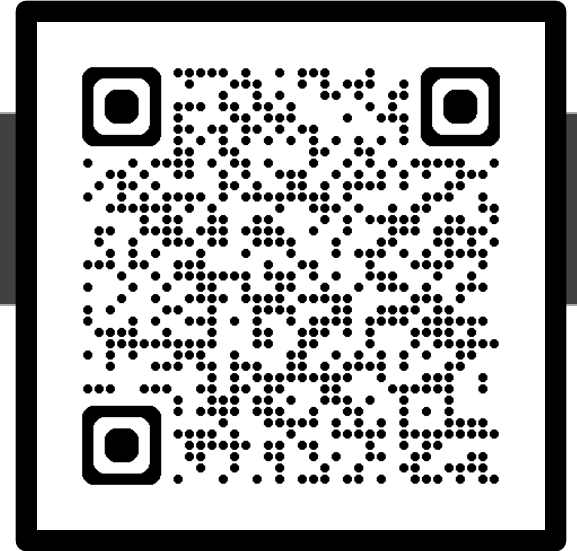
# Submitting Comments and Questions

## Multiple ways to submit:

1. By submitting comments and questions in tonight's meeting
2. By email to FDOT Project Manager
3. By U.S. mail to FDOT Project Manager
4. By phone, after the meeting

### Project Website

<https://www.fdot.gov/projects/willoughbypde/>



### FDOT Project Manager Contact Information

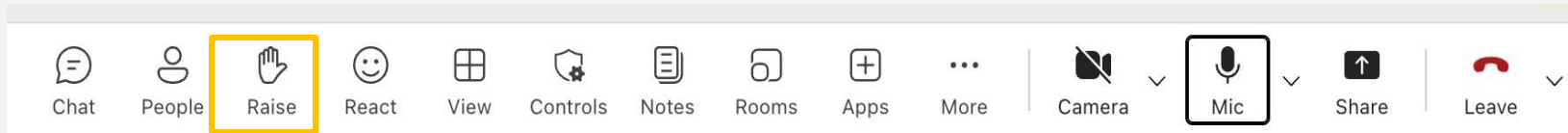
**Vanita Saini, P.E.**

Florida Department of Transportation  
3400 West Commercial Boulevard  
Fort Lauderdale, Florida 33309  
(954) 777-4468

[Vanita.Saini@dot.state.fl.us](mailto:Vanita.Saini@dot.state.fl.us)

# Rules of Engagement Reminders

- ❖ If you experience technical difficulties, please contact 954-548-2754 so that a member of our technical support team may assist you.
- ❖ All **Virtual** attendees **will remain muted** throughout the Meeting.
- ❖ **Virtual** attendees are also welcome to submit any questions/comments using the Teams control panel at any time or use the “**Raise Hand**” button on your control panel and a member of our team will respond to/unmute you during the open discussion.



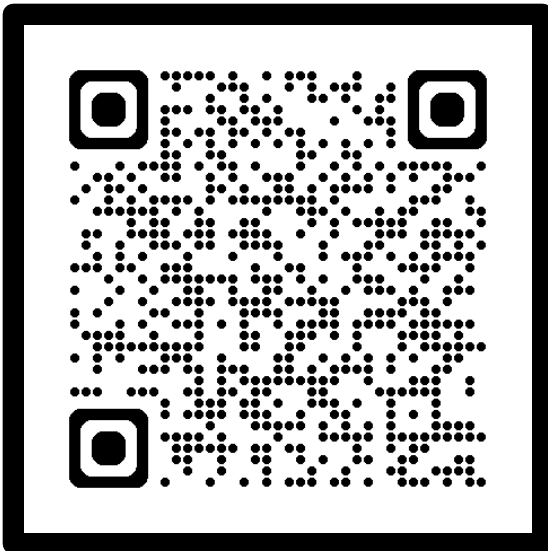
- ❖ If you are participating via Telephone and have questions/comments, feel free to submit them to the **FDOT Project Manager Vanita Saini, P.E.**, via email after the meeting and a response will be provided.

# Thank you for participating!

Please submit your comments and questions

## Project Website

<https://www.fdot.gov/projects/willoughbypde/>



## FDOT Project Manager Contact Information

**Vanita Saini, P.E.**

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Thank you  
for attending the  
Alternatives Public Workshop for the  
Willoughby Boulevard PD&E Study