

# **Florida Department of Transportation Roadway Improvement Projects**

## **Presentation to Key West City Commission**





# Construction Project Team

- FDOT Project Manager: George Hoffman, P.E.
- Consultant Project Manager: Anthony Sabbag, CGC
- Consultant Engineer: Hector Rodriguez, M.S, P.E.
- Consultant Project Engineer: Eduardo “Eddie” Jimenez, P.E.
- Consultant Project Administrator: Felix Rodriguez
- Community Outreach Specialist: Julie Brown



## List of Projects

- **250548-8/9:** SR A1A/S Roosevelt Boulevard  
from Bertha Street to the end of Smathers Beach
- **443892-1:** SR 5/Whitehead Street  
from Fleming Street to Truman Avenue
- **446007-1:** SR A1A/S Roosevelt Boulevard  
from Go Lane to SR 5/US 1/North Roosevelt Boulevard
- **443900-1:** SR 5/Frontage Road at Boca Chica Key



## Projects Schedule and Cost

Construction Start	1/30/2023
Construction Duration	800 days*
Construction End	Spring 2025
<b>Total Estimated Construction Cost</b>	<b>\$28,407,873</b>



The Department has provided a maximum \$580,000 incentive to complete this project in fewer than 800 days.

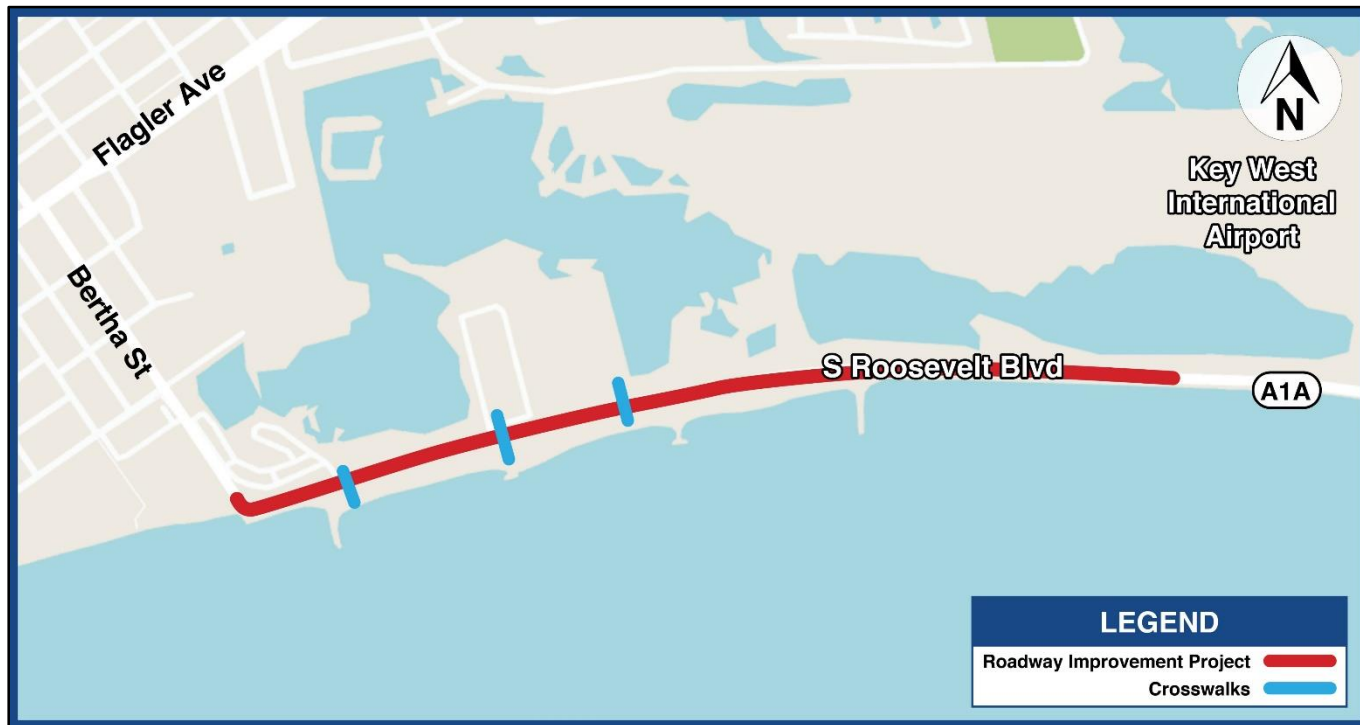
\*Schedule may change due to weather or other unforeseen circumstances.



Florida Department of  
**TRANSPORTATION**

SR A1A/S Roosevelt Boulevard  
from Bertha Street to Smathers Beach and  
from E of La Brisa to E of Key West by the Sea  
FINS 250548-8-5201 and 250548-9-5201

## Project Location





## Project Schedule and Cost

Construction Start	1/30/2023
Construction Duration	800 days*
Construction End	Spring 2025
<b>Estimated Construction Cost</b>	<b>\$23,251,709</b>

- The roadway design for this project was developed by the City of Key West in coordination with FDOT.
- This is a resiliency project that will close seawall gaps, upgrade drainage and install a water pump station for mitigation of tidal flooding.

\*Schedule may change due to weather or other unforeseen circumstances.



## Project Scope

- Raising the roadway up to 17.5 inches
- Repairing and closing retaining wall gaps
- Installing a water pump station system and upgrading storm drainage for mitigation of tidal flooding
- Reconstructing the existing promenade along the south side of the roadway



## Project Scope

- Adding some sidewalk along the north side of the roadway
- Upgrading curb ramps
- Installing three pedestrian crosswalks with Pedestrian Hybrid Beacons (PHBs)
- Repaving and restriping the roadway
- Installing new signage and pavement markings



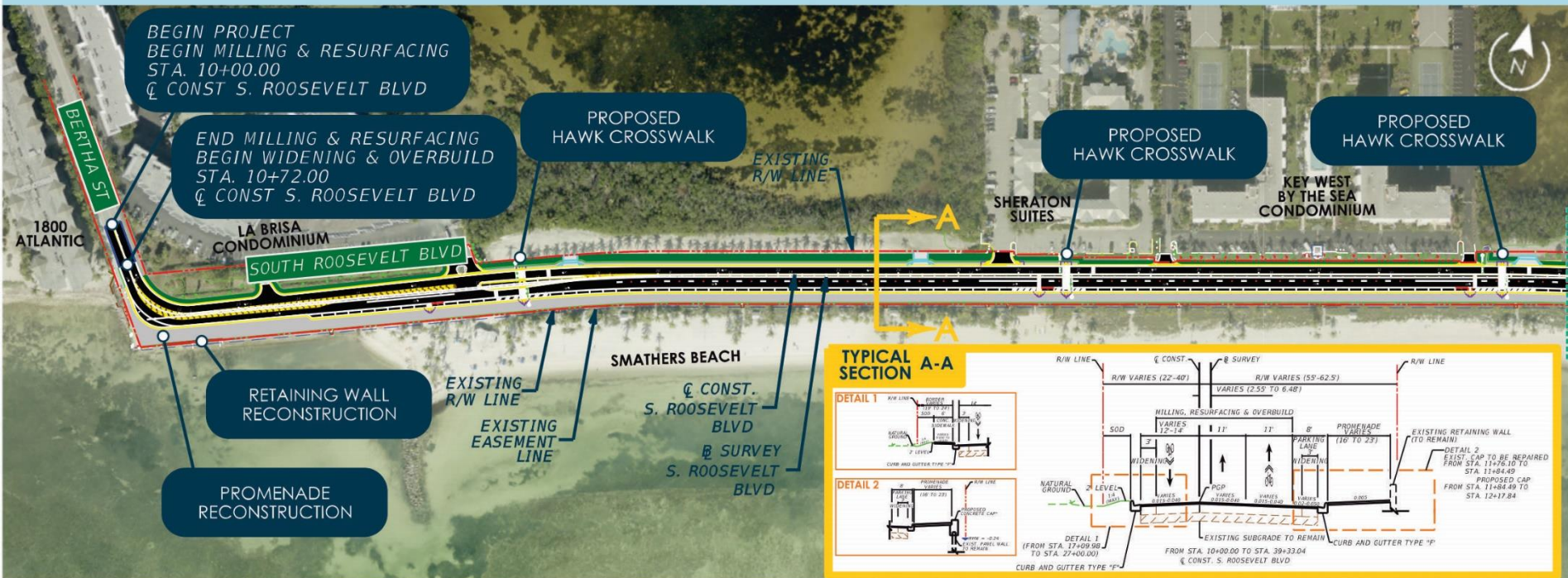


# Florida Department of TRANSPORTATION

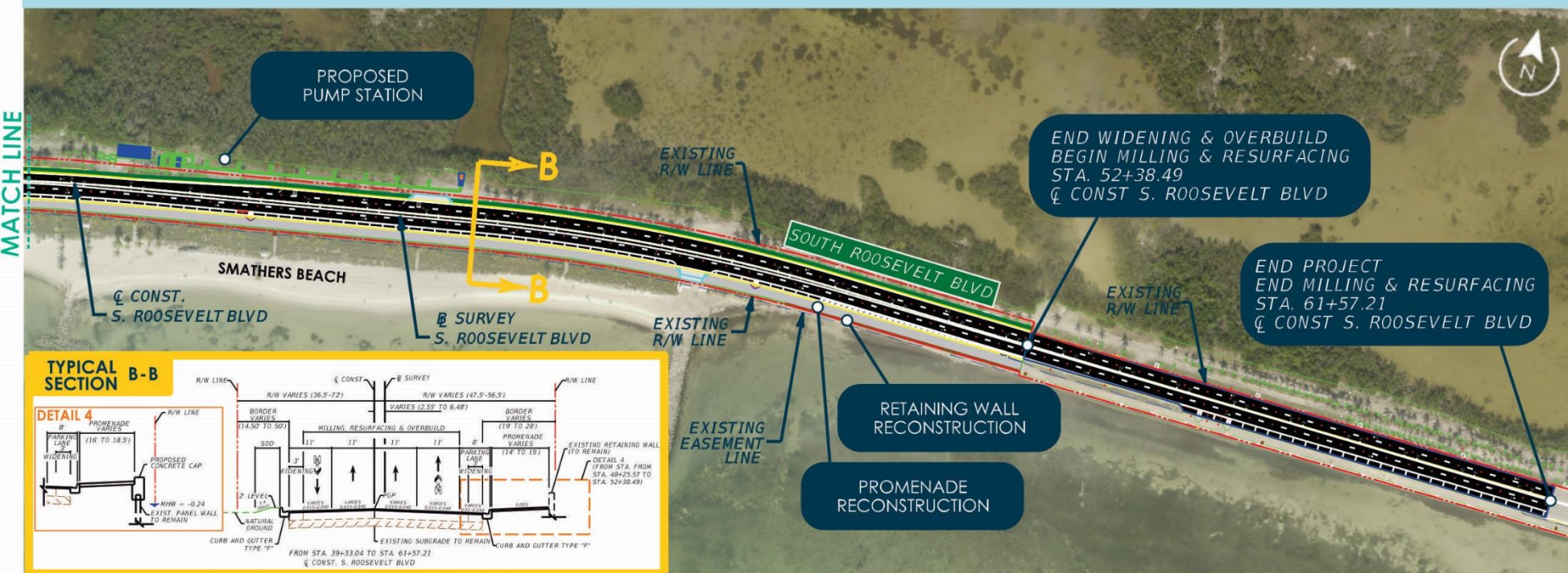
SR A1A/S Roosevelt Boulevard  
from Bertha Street to Smathers Beach and  
from E of La Brisa to E of Key West by the Sea  
FINS 250548-8-5201 and 250548-9-5201

## The west portion of the SR A1A/South Roosevelt Boulevard project

FM: 250548-8-52-01 | STATE ROAD NO. A1A / SOUTH ROOSEVELT BLVD FROM BERTHA ST TO END OF SMATHERS BEACH



FM: 250548-8-52-01 | STATE ROAD NO. A1A / SOUTH ROOSEVELT BLVD FROM BERTHA ST TO END OF SMATHERS BEACH





R/W LINE

R/W VARIES (22'-40')

Q CONST.

8 SURVEY

R/W VARIES (55'-62.5')

VARIES (2.55' TO 6.48')

MILLING, RESURFACING & OVERBUILD

VARIES 12'-14'

11'

11'

8'

PROMENADE VARIES (16' TO 23')

EXISTING RETAINING WALL (TO REMAIN)

DETAIL 2  
EXIST. CAP TO BE REPAIRED FROM STA. 11+76.10 TO STA. 11+84.49  
PROPOSED CAP FROM STA. 11+84.49 TO STA. 12+17.84

WIDENING

3'

PGP

VARIES 0.013-0.040

VARIES 0.015-0.040

VARIES 0.015-0.040

VARIES 0.02-0.050

0.005

NATURAL GROUND

2 LEVEL

1-4 (MAX)

DETAIL 1  
(FROM STA. 17+09.98 TO STA. 27+00.00)

EXISTING SUBGRADE TO REMAIN

FROM STA. 10+00.00 TO STA. 39+33.04

Q CONST. S. ROOSEVELT BLVD

CURB AND GUTTER TYPE "F"



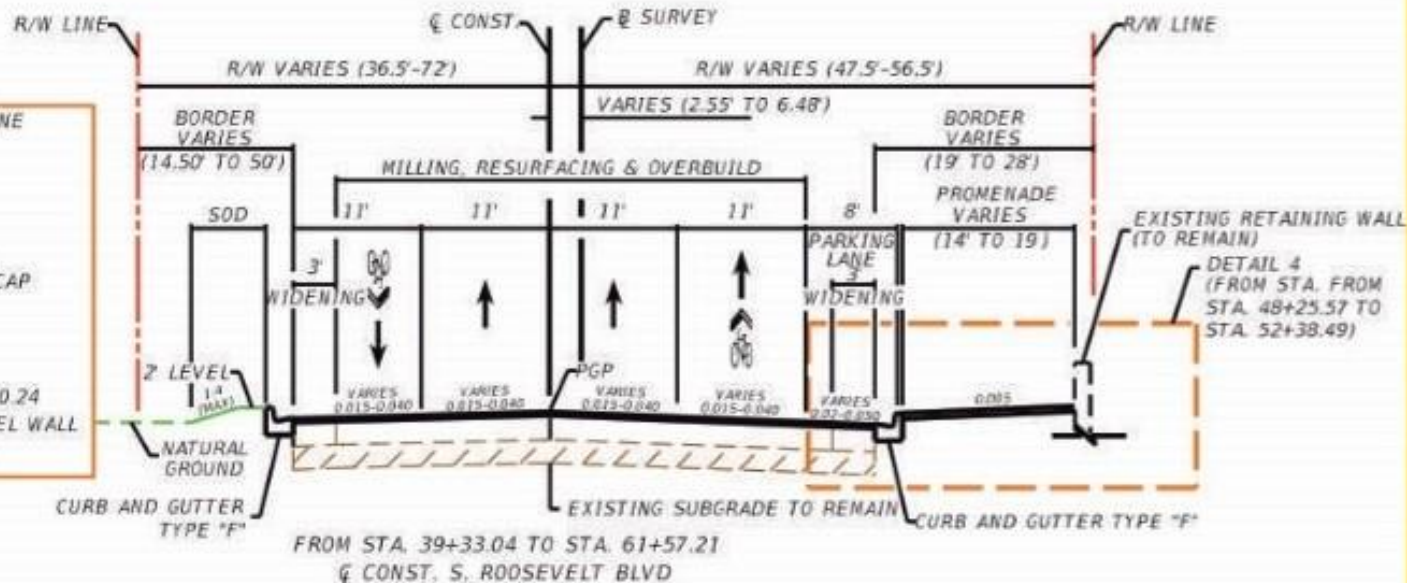
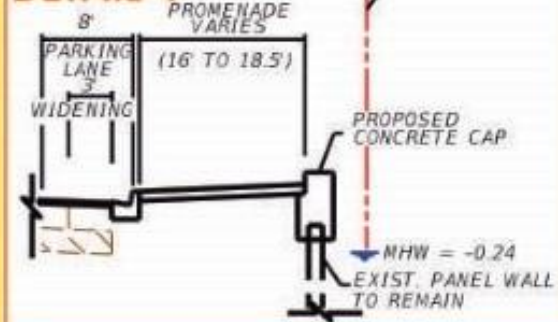
# Florida Department of TRANSPORTATION

SR A1A/S Roosevelt Boulevard  
from Bertha Street to Smathers Beach and  
from E of La Brisa to E of Key West by the Sea  
FINS 250548-8-5201 and 250548-9-5201

The east portion of the SR A1A/South Roosevelt Boulevard project

## TYPICAL SECTION B-B

### DETAIL 4

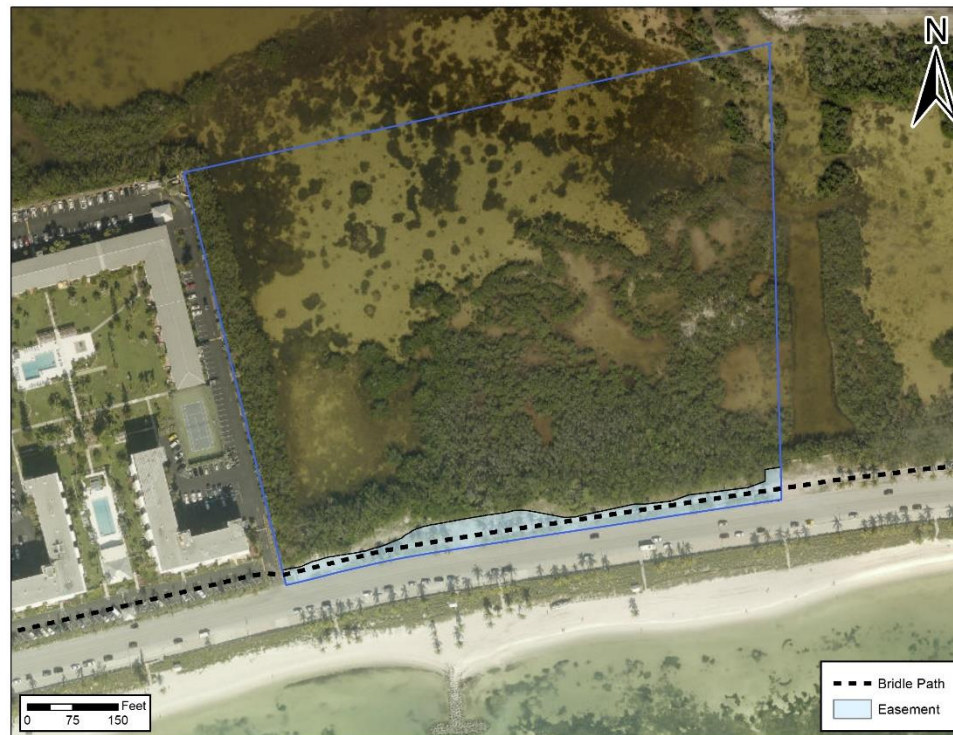




## Section 4(f) Resources

### Bridle Path

- Permanent easement required for the installation of drainage system
- Required permanent transportation use of property for pump station

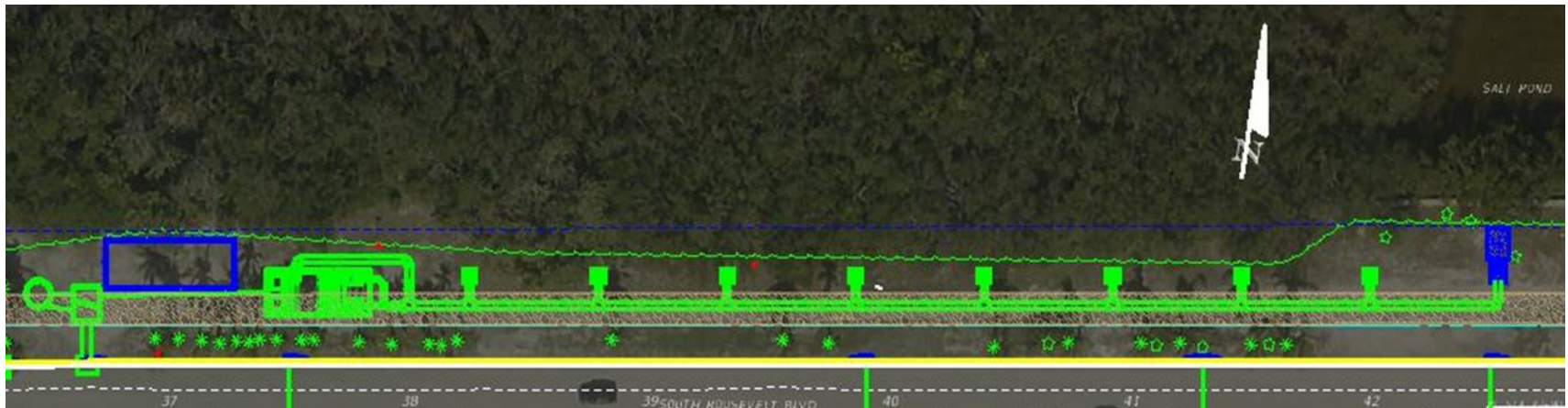






## Section 4(f) Resources

- This portion of the Bridle Path will be temporarily closed during construction
- Once complete, the newly installed drainage system will not interfere with use of the Bridle Path
- Section 4(f) *de minimis* finding is anticipated. A *de minimis* is the minimum requirement when a project would result in a take or use from a Section 4(f) property.





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## Current Conditions





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SR A1A/S Roosevelt Boulevard  
from Bertha Street to Smathers Beach and  
from E of La Brisa to E of Key West by the Sea  
FINS 250548-8-5201 and 250548-9-5201

## Project Rendering







## Maintenance of Traffic

- No detours are anticipated but traffic will be reduced to one lane in each direction during construction
- Access to adjacent residences and businesses will be maintained
- Any additional lane closures will be during non-peak hours (9 a.m. to 4 p.m., Monday through Friday, and 9:30 p.m. to 5 a.m., Sunday through Thursday) on non-event days, nights and weekends



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SR A1A/S Roosevelt Boulevard  
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## Maintenance of Traffic

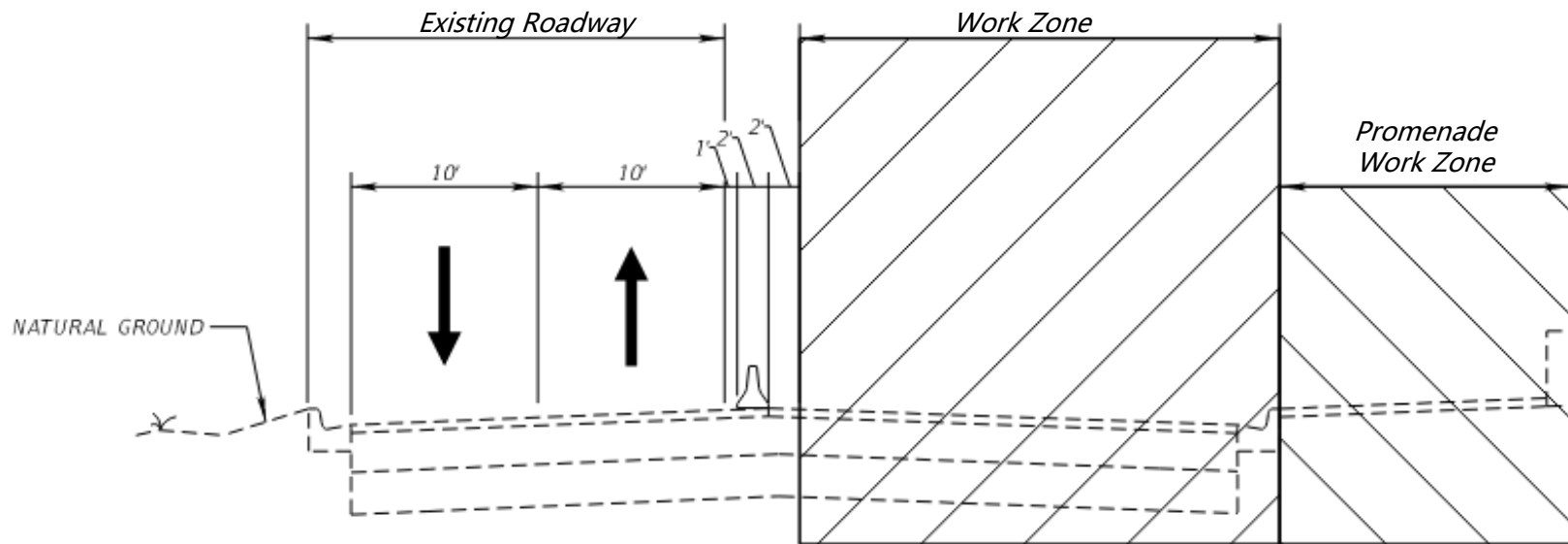
- Parking will be available in the lots on the north side of the road
- Crosswalks will allow for pedestrian access to the promenade and beach
- Sidewalk will be maintained along the promenade
- Bicyclists can utilize the travel lane or the promenade



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FINS 250548-8-5201 and 250548-9-5201

# Maintenance of Traffic



Two-lane, two-way of South Roosevelt Boulevard



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SR 5/Whitehead Street  
From Fleming Street to Truman Avenue  
FIN 443892-1-52-01 and 443892-1-52-02

## Project Location





## Project Schedule and Cost

Construction Start	1/30/2023
Construction Duration	180 days*
Construction End	Summer 2023
<b>Estimated Construction Cost</b>	<b>\$2,631,721</b>



The Department has provided a maximum \$120,000 incentive to complete this project in fewer than 180 days

\*Schedule may change due to weather or other unforeseen circumstances



## **Project Scope**

- Replacing damaged sidewalks
- Repaving and pavement reconstruction
- Upgrading pedestrian signals, detectors, and ramps
- Upgrading existing lighting to Light Emitting Diode (LED)
- Upgrading signage along the corridor
- Restriping the roadway



# SR 5/Whitehead Street and Truman Avenue

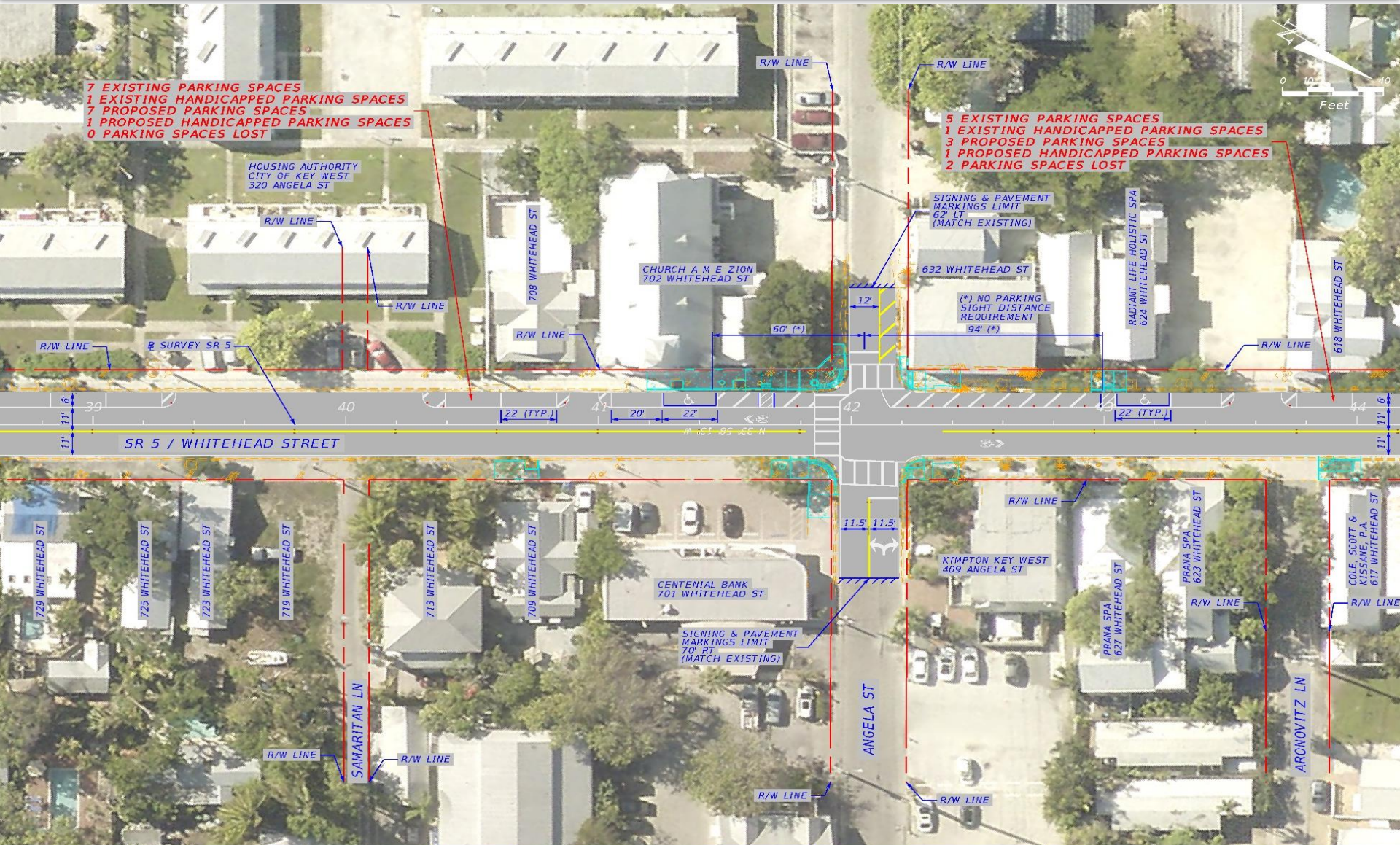




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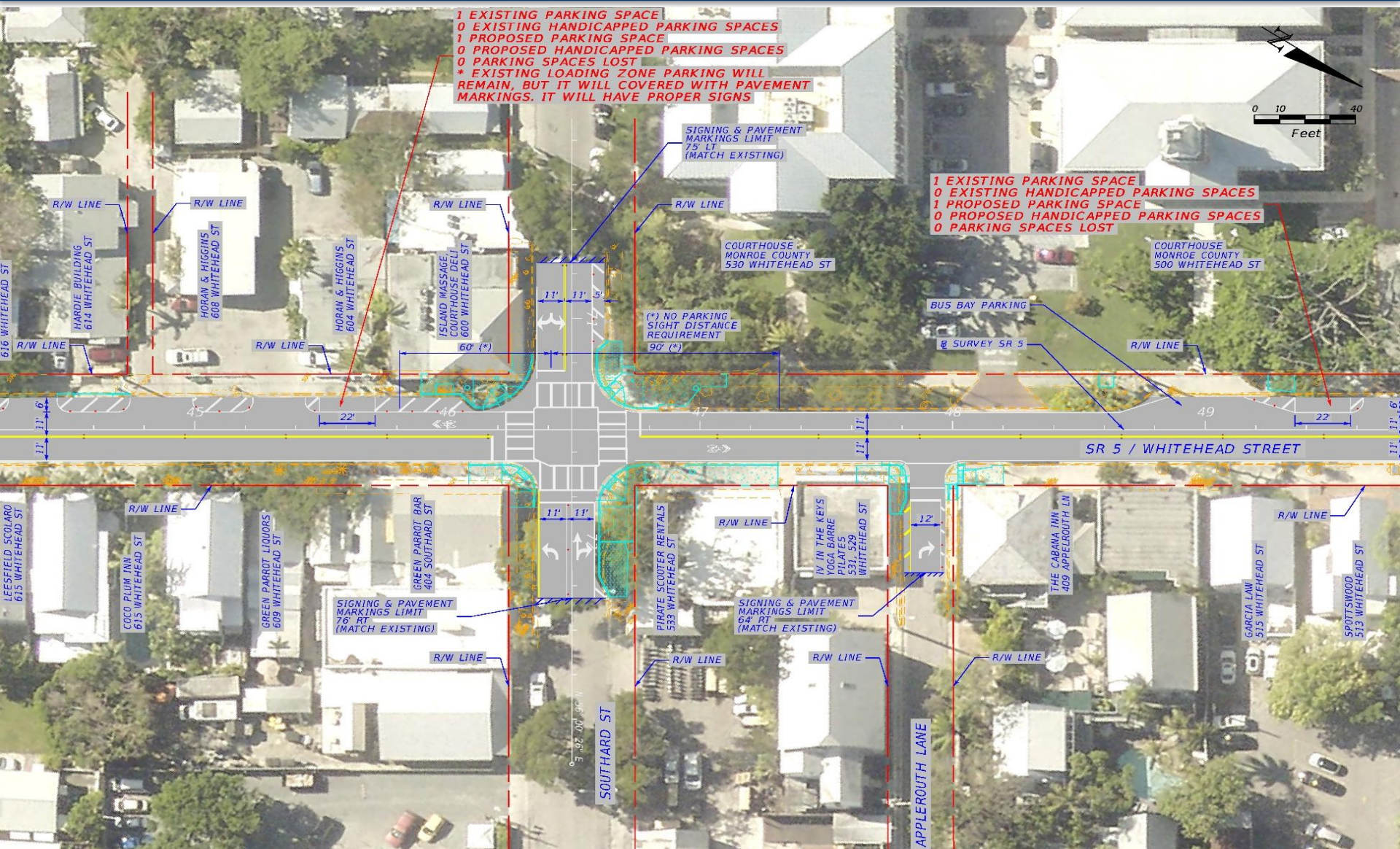


# SR 5/Whitehead Street and Angela Street





## SR 5/Whitehead Street from Southard Street to Applerouth Lane





**Summary of Parking Space Changes:**

Location / Feature	Existing Parking Spaces	Existing Handicapped Parking Spaces	Proposed Parking Spaces	Proposed Handicapped Parking Spaces	Parking Spaces Lost
Top Left (Courthouse area)	4	0	4	0	0
Top Right (First State Bank area)	1	0	0	0	1

**Key Annotations:**

- Top Left:** COURTHOUSE MONROE COUNTY 500 WHITEHEAD ST
- Top Center:** SIGNING & PAVEMENT MARKINGS LIMIT 63' LT (MATCH EXISTING)
- Top Right:** FIRST STATE BANK 444 WHITEHEAD ST
- Center:** SR 5 / WHITEHEAD STREET
- Bottom Left:** THE SMITH LAW FIRM 509 WHITEHEAD ST, VACATION HOMES OF KEY WEST 507-505 WHITEHEAD ST, US1 MILE MARKER 0 501 WHITEHEAD ST
- Bottom Center:** END OF THE ROAD STORE 405 FLEMING ST
- Bottom Right:** END PROJECT END SIGNING AND PAVEMENT MARKINGS STA. 52+25.00

**Other Labels:** R/W LINE, 60' (\*), 10', 11', 22' (TYP.), 50', 52', 64' RT (MATCH EXISTING), (\*) NO PARKING SIGHT DISTANCE REQUIREMENT 90' (\*), @ SURVEY SR 5.



# Maintenance of Traffic

- Work will take place from 8 a.m. to 8 p.m., Monday through Friday
- Daytime closures of Whitehead Street in both directions limited to one block at a time
- Temporary closure of some side streets will be necessary



## **Maintenance of Traffic**

- Pedestrian and vehicular detours will be clearly marked
- Parking will be restricted within the work zones
- Any additional required lane closures will occur on non-event days and during non-peak hours
- Non-peak hours are 9 a.m. to 4 p.m., Monday through Friday

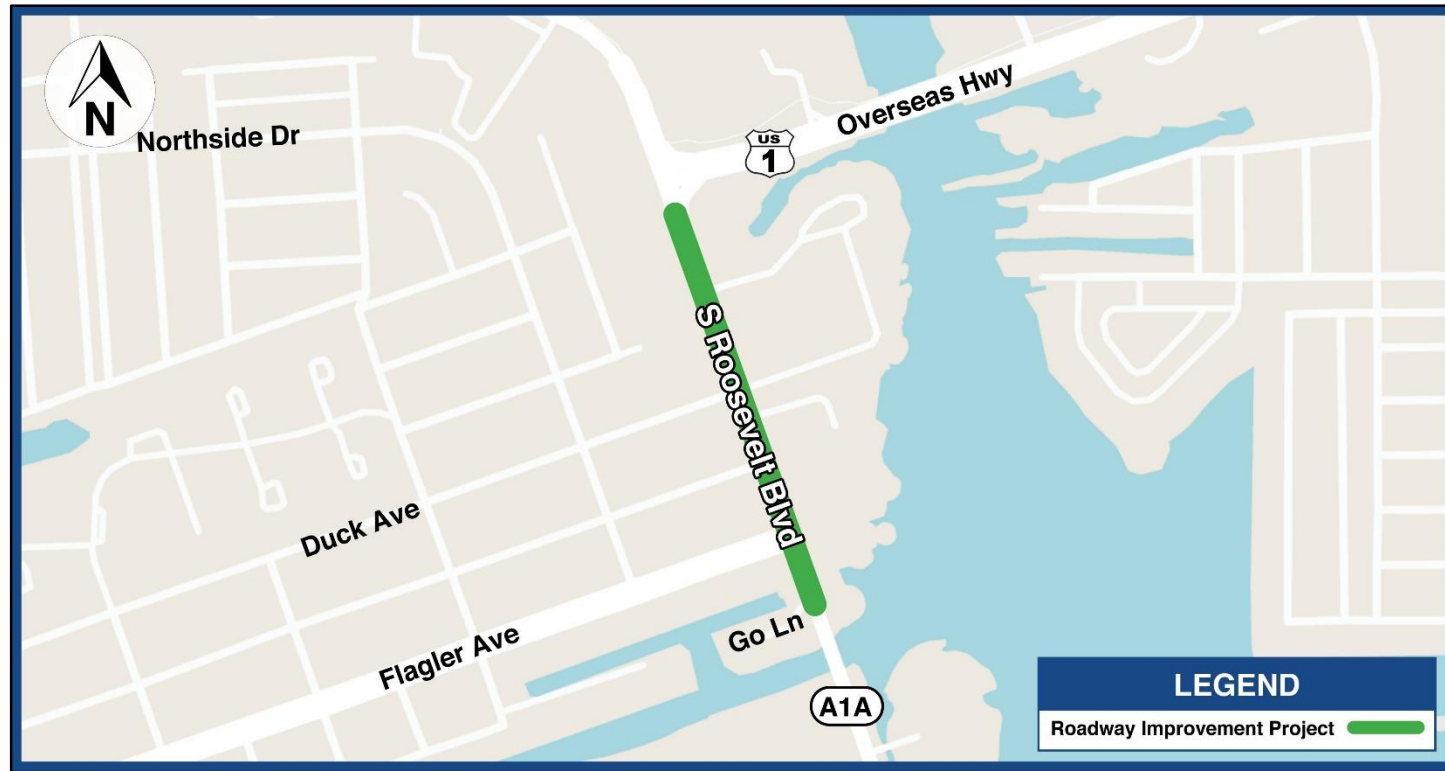




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**TRANSPORTATION**

SR A1A/S Roosevelt Boulevard  
from Go Lane to  
SR 5/US 1/North Roosevelt Boulevard  
FINS 446007-1-5201

## Project Location



**Estimated Construction Cost: \$946,584**



## Project Scope

- Repaving and restriping the roadway
- Upgrading signage, pavement markings and curb ramps



## **Maintenance of Traffic**

- No vehicular detours are anticipated
- Any lane closures will occur on non-event days and during non-peak hours
- Non-peak hours are: 9 a.m. to 3:30 p.m. and 9:30 p.m. to 5:30 a.m., Monday through Thursday
- Access to residences and businesses will remain open through construction





# Project Location



**Estimated Construction Cost: \$1,577,859**



## **Project Scope**

- Widening, repaving and restriping the roadway
- Restoring unpaved shoulders
- Repairing front slopes along the north side of the roadway, including mangrove restoration
- Upgrading all signage and pavement markings



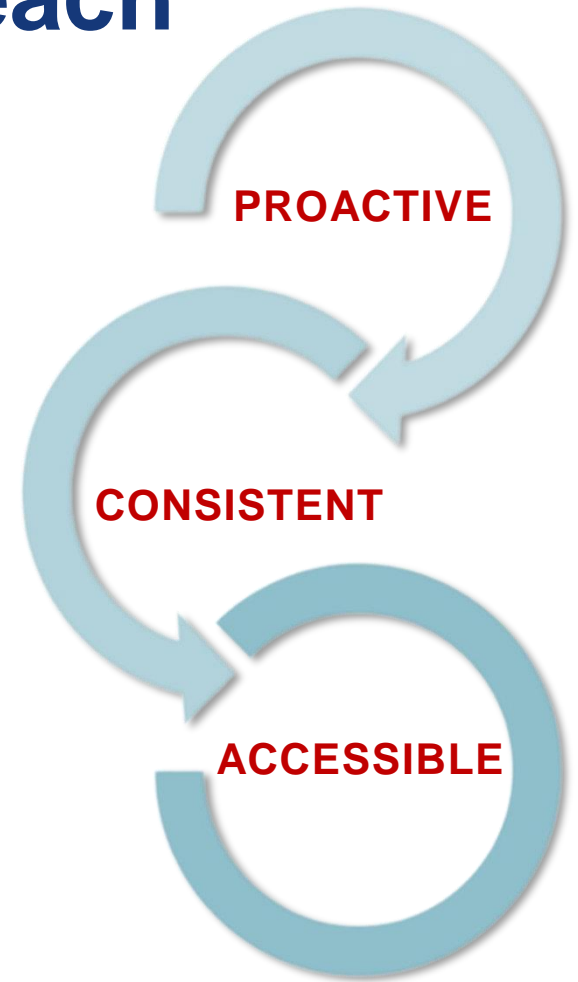
# Maintenance of Traffic

- No lane closures or detours on US1
- Lane closures along Frontage Rd will be during non-peak hours on non-event days, nights and weekends
- Non-peak hours are 8 a.m. to 8 p.m., Monday through Friday



# Community Outreach

- Public Meeting Jan. 25
- Agency and Partner Collaboration
- Stakeholder Meetings
- Door-to-Door Flyer Distribution
- Local Publications and Radio
- Project Websites
- Email updates
- Attend Local Events
- Social Media





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# Community Outreach Specialist

Julie Brown



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**[www.fdotmonroe.com](http://www.fdotmonroe.com)**

**Please take our exit survey**



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# WORK ZONE SAFETY

## It's Everyone's Job

**BE AWARE** of workers  
while driving through  
an active work zone.

