Regular Workshop – December 10, 2014
Agenda Item 6

Agenda Item:	Florida Department of Transportation (FDOT) Presentation of Crosswalk Study
Presenter:	Town Manager; LK Nandem, P.E., District Traffic Engineer, FDOT
Summary:	FDOT District Traffic Engineer L.K. Nandem will be present to discuss crosswalk studies conducted by FDOT along the Gulf of Mexico Drive corridor.
Attachments:	12-3-14 Memo, Public Works Director to Manager; FDOT PowerPoint Presentation.
Recommended Action:	Pending discussion, provide direction to Manager.

M E M O R A N D U M

Date: December 03, 2014

TO: Dave Bullock, Town Manager

FROM: Juan Florensa, Public Works Director

SUBJECT: Florida Department of Transportation (FDOT) Presentation of Crosswalk Study

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On July 1, 2013, the FDOT presented the results of the *Pedestrian-Bicycle Safety Traffic Study* on Gulf of Mexico Drive.

FDOT has conducted additional pedestrian counts at selected locations along the Gulf of Mexico Drive corridor. FDOT District Traffic Engineer LK Nandem, PE, will present the reports of the study at the December 10, 2014 Town Commission Regular Workshop Meeting.

Attachment: FDOT PowerPoint Presentation

LONGBOAT KEY

Pedestrian/Bicycle Safety Study

Goals and Objectives

- Assess current conditions during peak season
- Identify deficiencies and needs
- **Develop a plan for short term and long term countermeasure implementation**

Study Scope

- Detailed review of crash history within corridor
- Perform bicycle/pedestrian counts along corridor
- Isolate/identify specific areas of concern
- Determine appropriate countermeasures

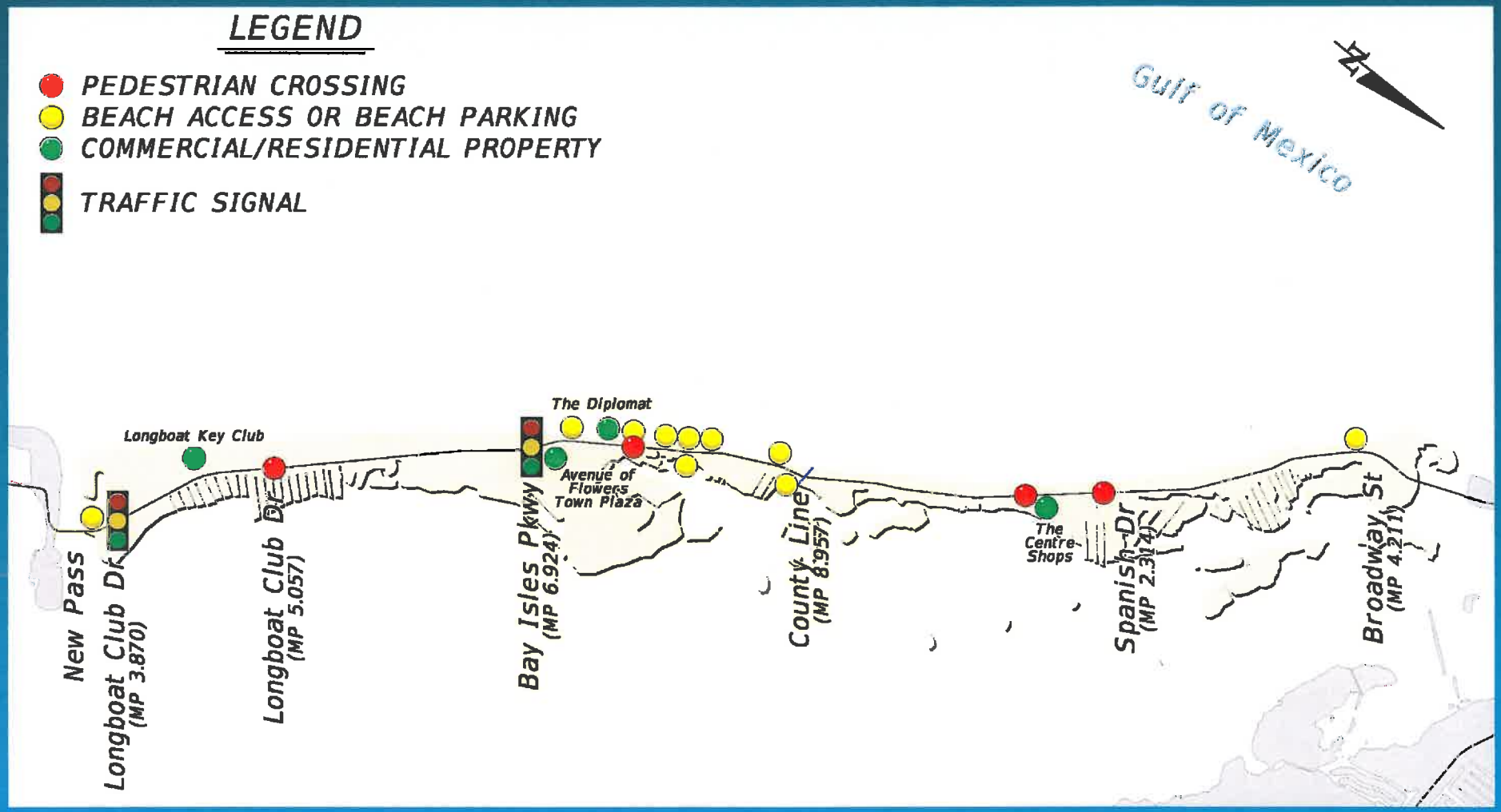
Implementation Plan

- Short term
  - Mid-block Crosswalks
  - Pedestrian lighting at midblock crosswalks
  - Engineering Evaluation to address roadway and pedestrian lighting deficiencies
  - Prioritize sidewalk locations
- Long term (as funding is available)
  - Upgrade lighting
  - Fill sidewalk gaps

Mid Block Crosswalks

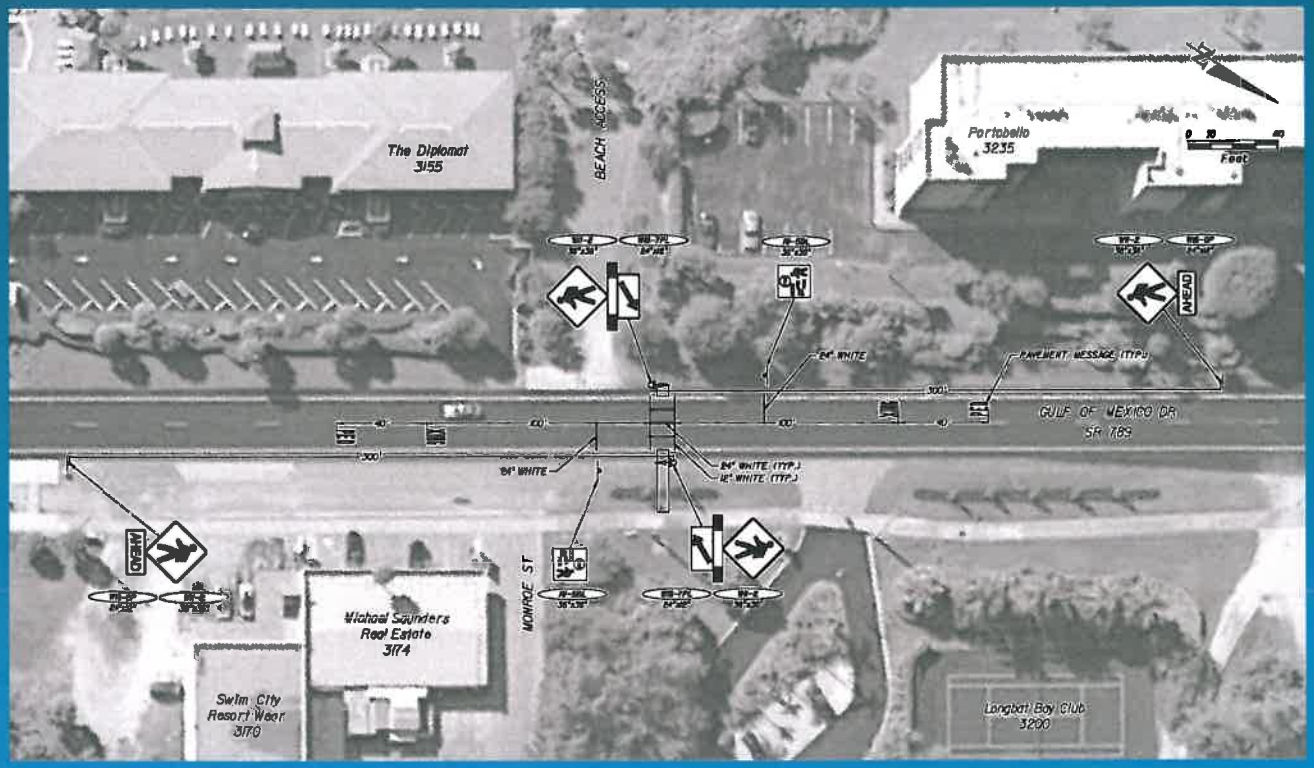
- Previously Recommended
  - Beach access just north of The Diplomat Condominiums
  - Bayport Beach & Tennis Club entrance, at Bayport Way
  - Just north of Club Longboat
  - Just south of the Centre Shops
  - Just north of Spanish Drive

Implementation Plan



Implementation Plan

- Mid-block Crosswalks



- Beach access just north of The Diplomat Condominiums

Implementation Plan

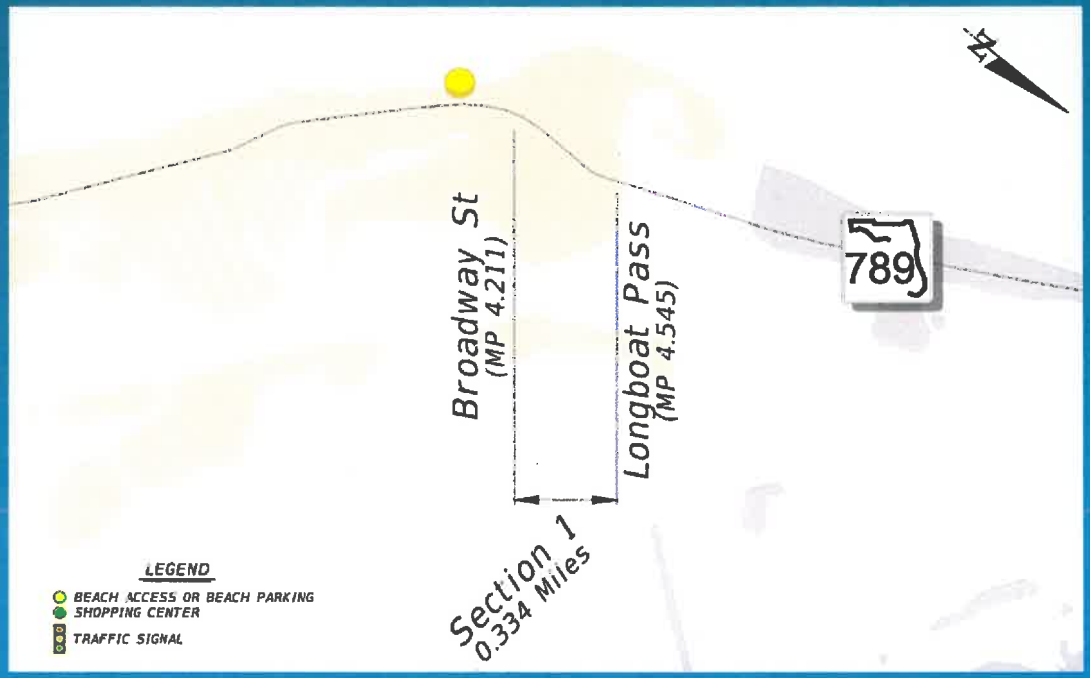
- Roadway Lighting Analysis
  - Measured illumination of 0.21 hfc (<1.0 hfc required)
  - Analysis using existing luminaire joint-use pole locations cannot achieve appropriate illumination levels
  - Stand alone lighting necessary
  - Amber LED or low pressure sodium fixtures needed for turtles
- Bradenton Beach Pilot Installation
- Crash History
  - 2009 – 2013 – 103 total crashes and 13 night time crashes

Implementation Plan

- Sidewalk Priority
  1. Broadway St to Longboat Pass (east side)
  2. Jessmyth Way to Spanish Dr (west side)
  3. Bay Isles Pkwy to South Dr (west side)
  4. Beach Harbor Club (west side)
  5. Spanish Dr to Cedar St (west side)
  6. Cedar St to Northshore Rd (west side)
  7. Longboat Club Dr S to Longboat Club Dr N (west side)

Implementation Plan

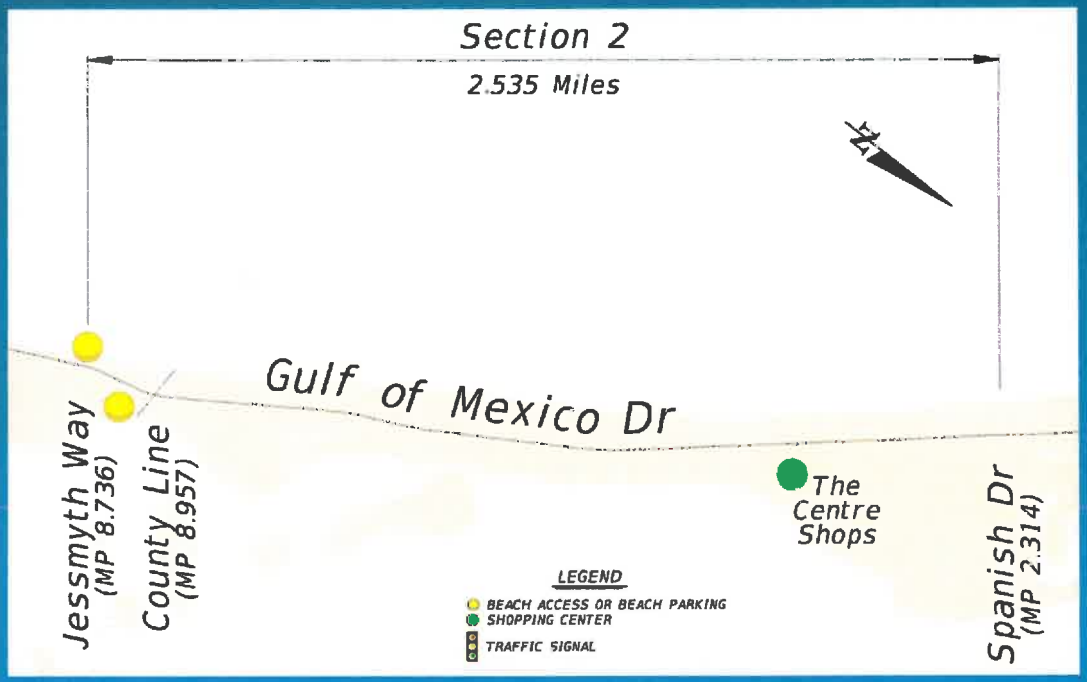
- Sidewalk Priority
  1. Broadway St to Longboat Pass (east side)



- Completes sidewalk on east side

Implementation Plan

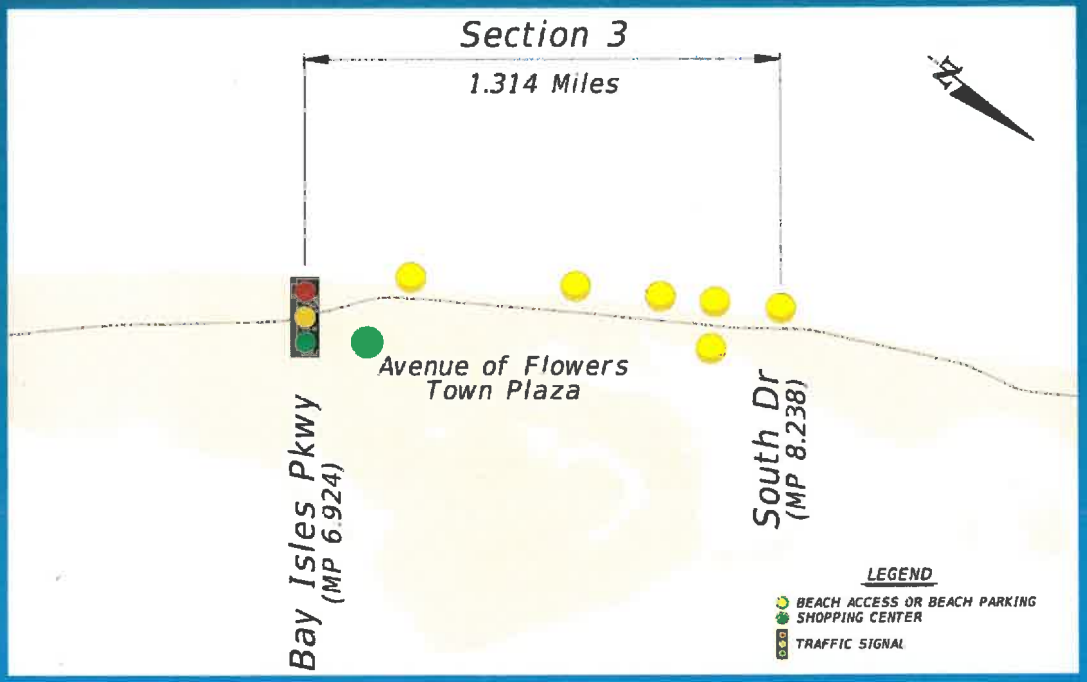
- Sidewalk Priority
  2. Jessmyth Way to Spanish Dr (west side)



- Highest pedestrian activity

Implementation Plan

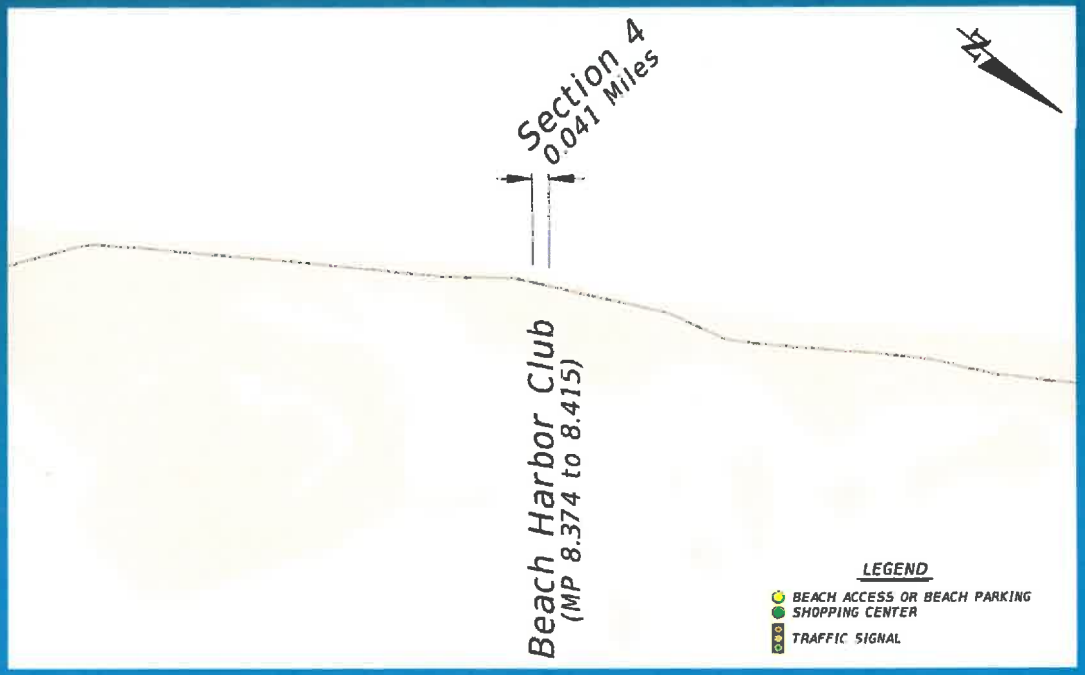
- Sidewalk Priority
  3. Bay Isles Pkwy to South Dr (west side)



- Highest density of beach access and commercial land uses

Implementation Plan

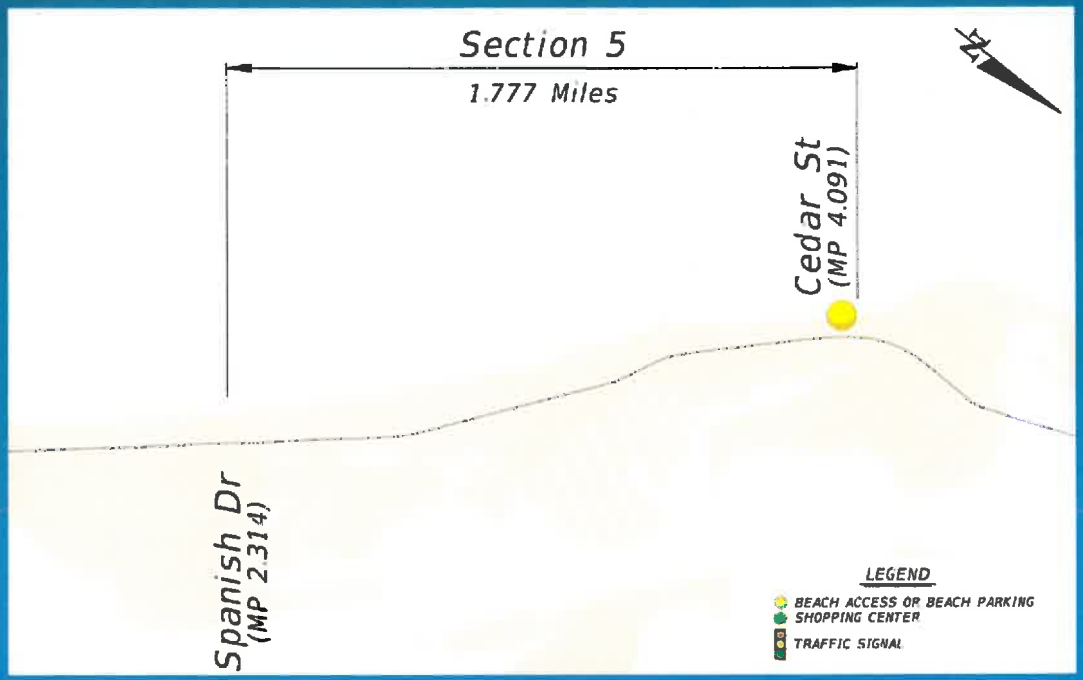
- Sidewalk Priority
  4. Beach Harbor Club (west side)



- Missing sidewalk segment

Implementation Plan

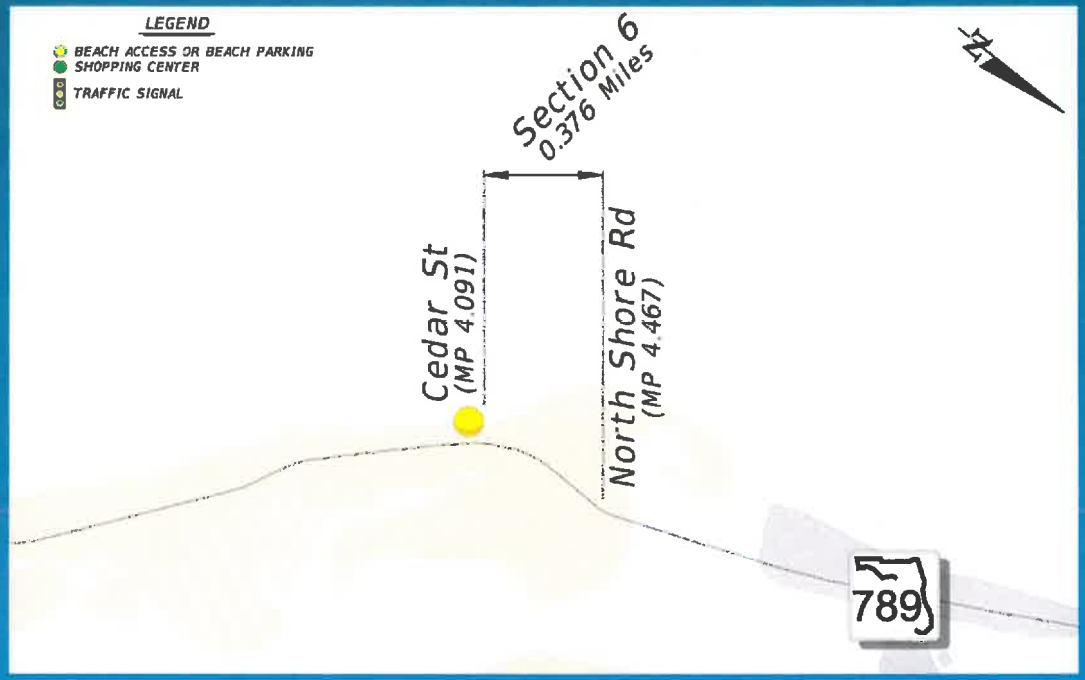
- Sidewalk Priority
  5. Spanish Dr to Cedar St (west side)



- Less pedestrian demand

Implementation Plan

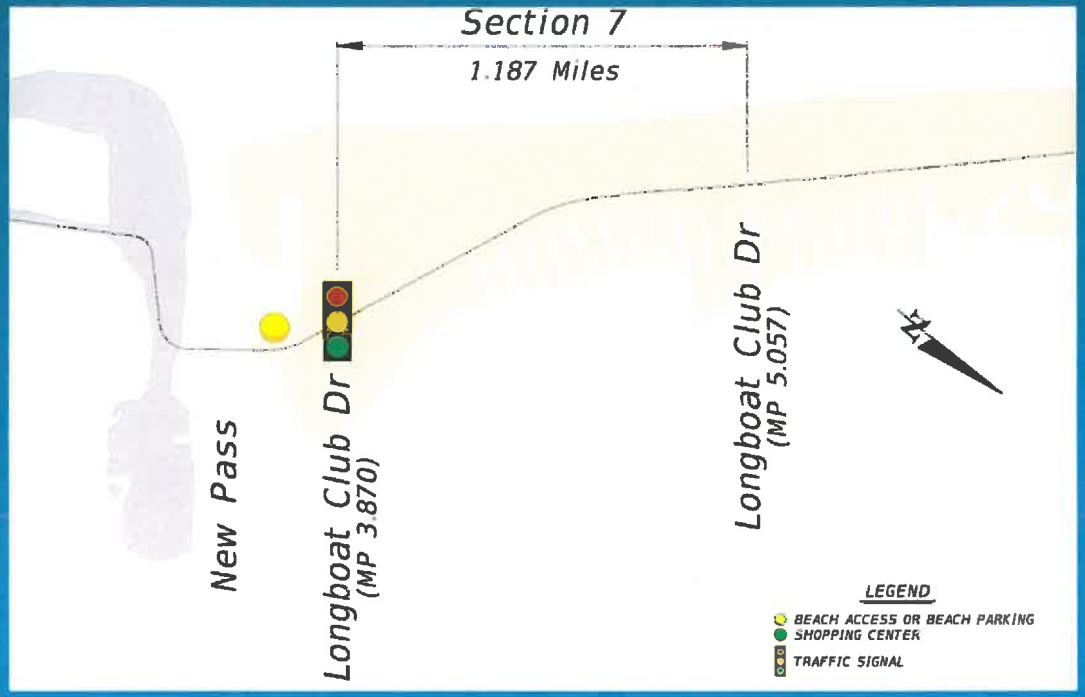
- Sidewalk Priority
  6. Cedar St to Northshore Rd (west side)



- Constructability issues

Implementation Plan

- Sidewalk Priority
  7. Longboat Club Dr S to Longboat Club Dr N (west side)



- Longboat Key Club golf course on west side

Questions?

End of Agenda Item