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**OFFICE OF THE COUNTY ADMINISTRATOR**



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**M E M O R A N D U M**

**TO:** The Honorable Chair and Members of the  
Board of County Commissioners

**FROM:**  Mark S. Woodard, County Administrator

**SUBJECT:** San Martin Boulevard over Riviera Bay Bridge Replacement and  
Roadway/Trail Improvements Project Development and Environment  
(PD&E) Study Kick-off Presentation  
County PID No. 001036A

**DISTRIBUTION:** David E. Scott, P.E., Assistant County Administrator   
 Kevin J. Becotte, P.E., Director of Engineering & Technical Support

**DATE:** May 5, 2015

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This presentation introduces the PD&E process for the rehabilitation or replacement of the existing San Martin Boulevard Bridge (Bridge No. 154371) over Riviera Bay, and is in accordance with Section 5.1 of the consultant agreement and Task 6.e, Scheduled Public Meetings, under the negotiated Scope of Work. The limits of the bridge study are approximately Tallahassee Drive to Weedon Drive in St. Petersburg, Florida. The presentation also provides the opportunity for discussion of the project needs, alternatives to be considered, and provides for public and local government input.

The consultant agreement for the PD&E Study was approved by the Board of County Commissioners (Board) on December 16, 2014 with HDR Engineering, Inc. The study will address the bridge deficiencies and assess the benefits, costs and environmental, economic and social impacts of each feasible replacement alternative evaluated.

A separate component of the project will evaluate trail enhancements from Macoma Drive to Gandy Boulevard. This is consistent with the City of St. Petersburg Trails Program, Pinellas County's Bicycle and Pedestrian Master Plan, and the Metropolitan Planning Organization's (MPO) North Bay Trail/Rio Vista Trail Connection priority in the Long Range Transportation Plan.

The study began in December 2014 and is anticipated to be completed in September 2016. A number of alternatives for the existing fixed bridge will be evaluated, including the following:

- No Build
- Rehabilitation of the Existing Fixed Bridge
- Replacement with a New Fixed Bridge
- Movable Option Evaluated for cost comparison only

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Presentations have been given to the MPO Committees. Presentations are scheduled to be given to the MPO Board, Pinellas County Board, and City of St. Petersburg Commission as follows:

- MPO Bicycle Pedestrian Advisory Committee - Monday, April 20, 2015
- MPO Technical Coordinating Committee – Wednesday, April 22, 2015
- MPO Citizens Advisory Committee – Thursday, April 23, 2015
- Pinellas County Board of County Commissioners - Tuesday, May 5th, 2015
- MPO Board – Wednesday, May 13, 2015
- City of St. Petersburg City Commission - Thursday, May 21, 2015

Attachments:

PowerPoint Handout

Project Location and Description

Location Map

# KICK-OFF PRESENTATION



## SAN MARTIN BOULEVARD OVER RIVIERA BAY PROJECT DEVELOPMENT & ENVIRONMENT (PD&E) STUDY

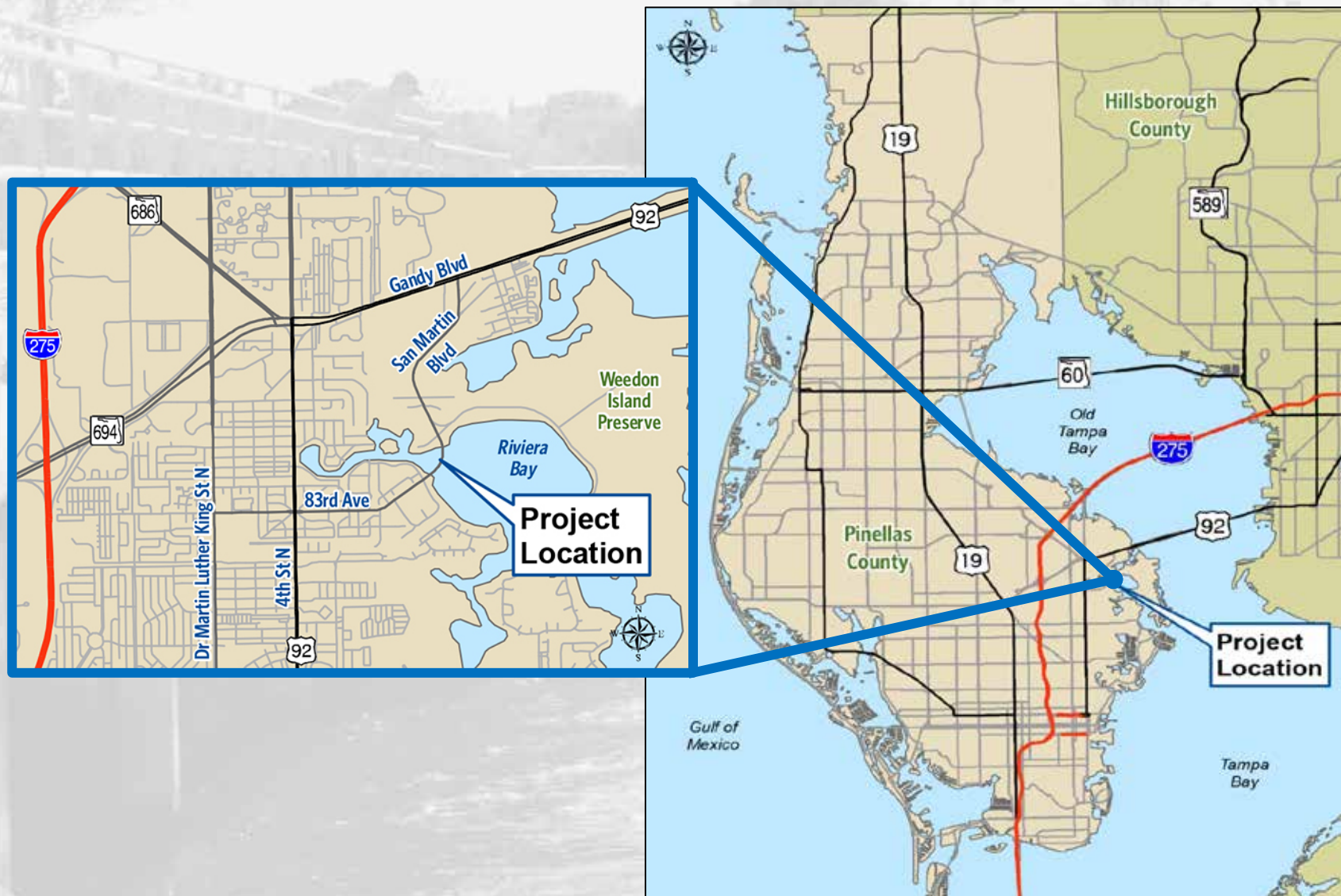
PROJECT IDENTIFICATION NUMBER  
(PID): #001036A

*May 5, 2015*



# PROJECT LOCATION

SAN MARTIN BOULEVARD OVER RIVIERA BAY PD&E STUDY (#001036A)

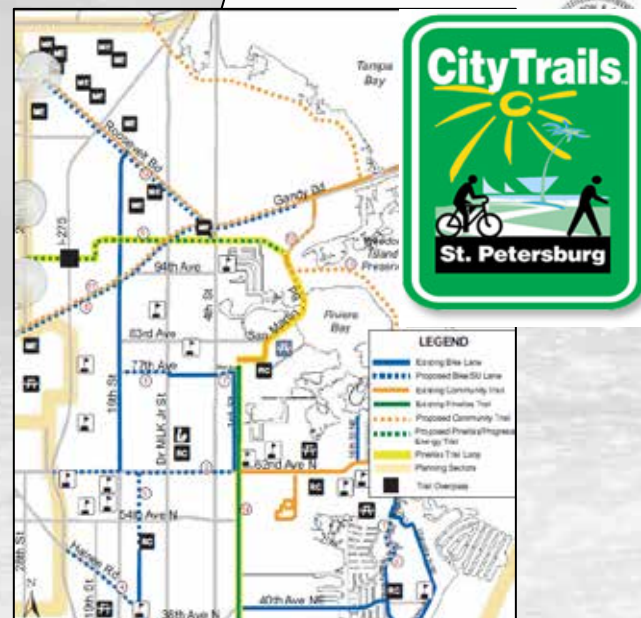




# PROJECT HISTORY

SAN MARTIN BOULEVARD OVER RIVIERA BAY PD&E STUDY (#001036A)

- § 2012 Bridge Replacement Study
- § 2013 Trail Alignment Study
- § 2001 Gandy Blvd. Causeway Enhancements
- § 2003 City Trails Program
- § North Bay Trail Extension #19 Priority on MPO TA Program
- § Bridge Replacement CIP 1036A Construction Funding 2018/19



# PROJECT OBJECTIVES

## § Address the bridge deficiencies

- Built in 1962 (52 years old)
- Sufficiency Rating = 66.7/100
- Functionally Obsolete w/ Unknown Foundations

## § Provide trail and pedestrian features consistent with the City's Trails Program & 2040 LRTP

- Provide Connection from North Bay Trail (Macoma Dr.) to Friendship Trail (Gandy Blvd.)
- Determine Bridge Configuration for Trail
- Identify Safe Crossing Locations

## § Develop Environmental Documentation Necessary to Maintain Funding Opportunities





# PROJECT LIMITS & SCOPE

## § *Project Approach: Document as PD&E for Bridge Replacement with a trail enhancement component add-on*

- Simplify level of documentation
- Address different funding sources

## § **San Martin Blvd. over Riviera Bay Bridge Replacement PD&E**

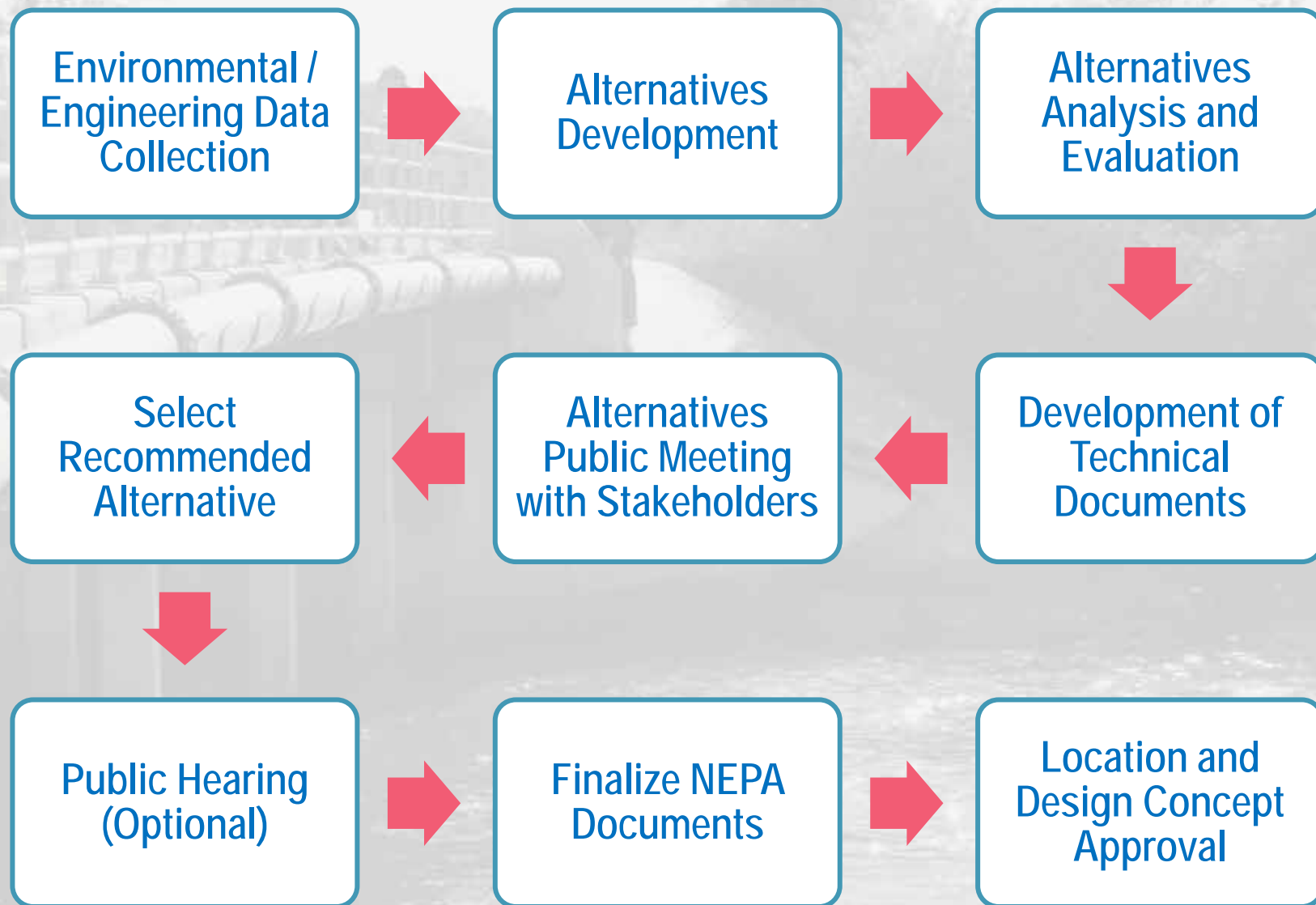
- Meet National Environmental Policy Act (NEPA) requirements
- Follow the Minor Categorical Exclusion (MiCE) process per FDOT PD&E Manual
- Potential to become Type 2 Categorical Exclusion
- Evaluate Alternatives:
  - No Build
  - Rehabilitate
  - Replacement

## § **North Bay Trail Extension Evaluation**

- Evaluate Alignment Alternatives
- Evaluate Crossing Locations



# PD&E APPROACH





# PUBLIC INVOLVEMENT

## § Stakeholders

- *Pinellas County Government*
- *City of St. Petersburg*
- *Neighborhood Associations*
  - Riviera Bay Civic Association
  - Riviera Bay Subdivision Homeowners Association
  - Renaissance Neighborhood Association
- *Residents*
- *Boaters*
- *Weedon Island*
- *Organized Recreational Users*
- *Duke Energy*
- *Florida Department of Transportation*
- *Tampa Bay Estuary Program*
- *Documentation Agencies*
  - Federal Highway Administration
  - US Army Corps of Engineers
  - United States Coast Guard
  - Southwest Florida Water Management District



# PUBLIC INVOLVEMENT OUTREACH

- § Proactive interaction with stakeholders
- § Project specific Public Involvement Program
- § Alternatives workshop
- § Outreach through community media sources
- § Project website





# KEY ISSUES

## § Community Considerations

- *Community Cohesion*
- *Right-of-Way Relocation Potential*
- *Archaeological and Historical Sites*
  - *Bridge lacks distinction therefore it's not considered historic*
- *Channel Navigation Needs During Construction*

## § Environmental Considerations

- *Wetlands*
- *Protected Species / Habitat*
- *Section 4 (f) (Public Use Facilities)*
  - *Weedon Island Preserve*
  - *Tampa Bay Outstanding Florida Waters*

## § Physical Environmental

- *Air or water quality impacts*
- *Noise (Traffic & Construction)*
- *Contamination or hazardous materials involvement*





# KEY ISSUE - ALTERNATIVES EVALUATION

## Meet requirements of NEPA Process

- Maintain integrity of NEPA process by documenting evaluation of low, mid and high level profiles
- Document benefits, costs and impacts of each horizontal alignment and vertical alignment evaluated

## Balance Stakeholder desires with impacts

- Evaluate feasible alignment alternatives such as highest constrained profile
- Clearly address benefits of low impact alternatives with respect to constructability

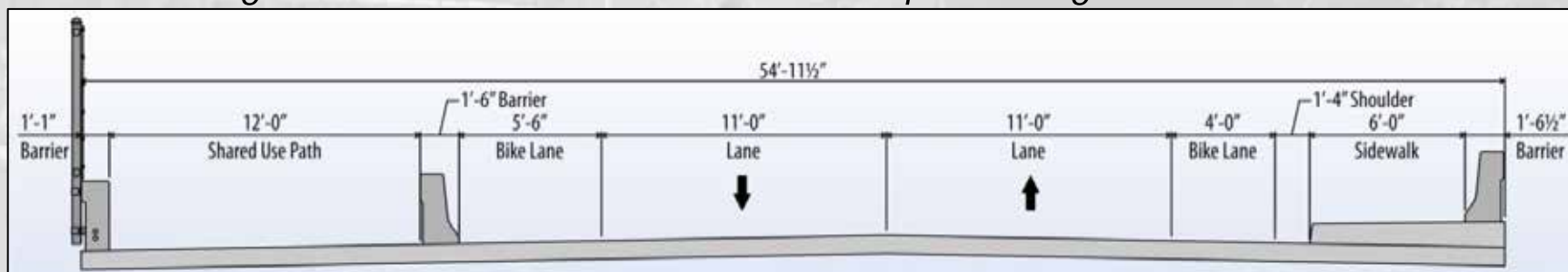
## Clearly present Alternatives to Public

- Develop preliminary analysis and meet with County staff to evaluate alternatives to move forward to public involvement
- Support alternatives workshop meeting to solicit input

# ALIGNMENT ALTERNATIVES

## § Original, East & West Shifted Alignments

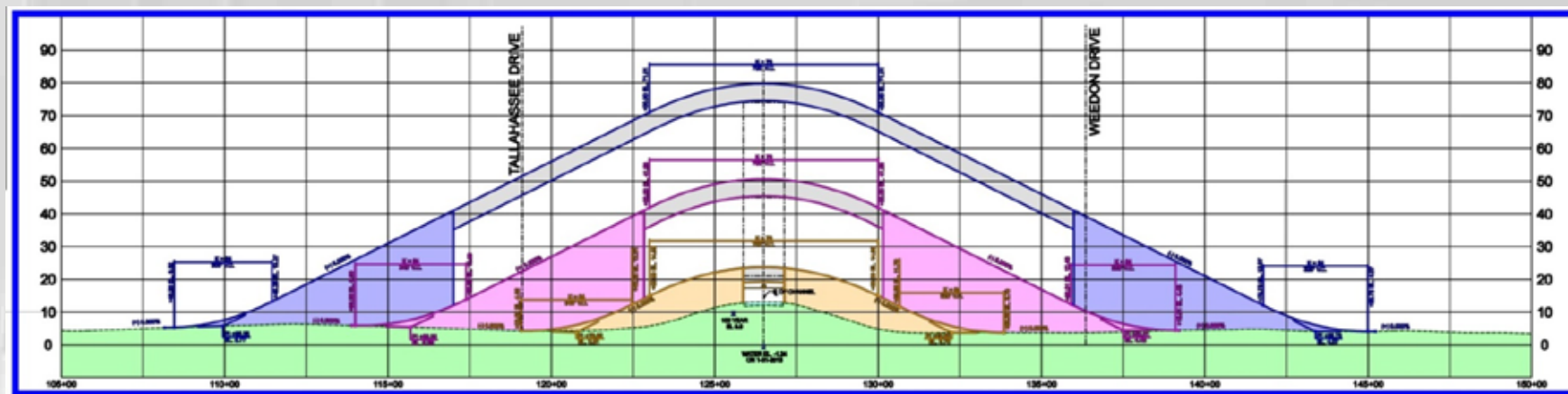
- Maintaining original alignment necessitates closing the road during construction
- Shifted alignments evaluated to maintain road open during construction



# PROFILE ALTERNATIVES

Existing Clearance =  
 $\pm 10$  ft.

- § High Level ( $\pm 70$  ft. of clearance)
- § Mid Level ( $\pm 45$  ft. of clearance)
- § Low Level ( $\pm 20$  ft. of clearance)
- § Highest Constrained ( $\pm 18$  ft. of clearance)
  - *Constrained by adjacent intersections (Tallahassee Drive and Weedon Drive)*
  - *Maintaining traffic on bridge during construction impacts clearance attainable*
- § Movable Option Evaluated for Cost Comparison





# NORTH BAY TRAIL EXTENSION EVALUATION OBJECTIVES



## § Determine Best Trail Configuration

- *Provide connectivity to adjacent trails & Weedon Island Preserve*
- *Minimize environmental impacts*

## § Evaluate Safe Locations for Trail Crossings

- *North Bay Trail Existing Terminus*
- *Weedon Island/Duke Energy Trail*
- *Savora Dr. Trail*
- *Gandy Blvd. Friendship Trail*



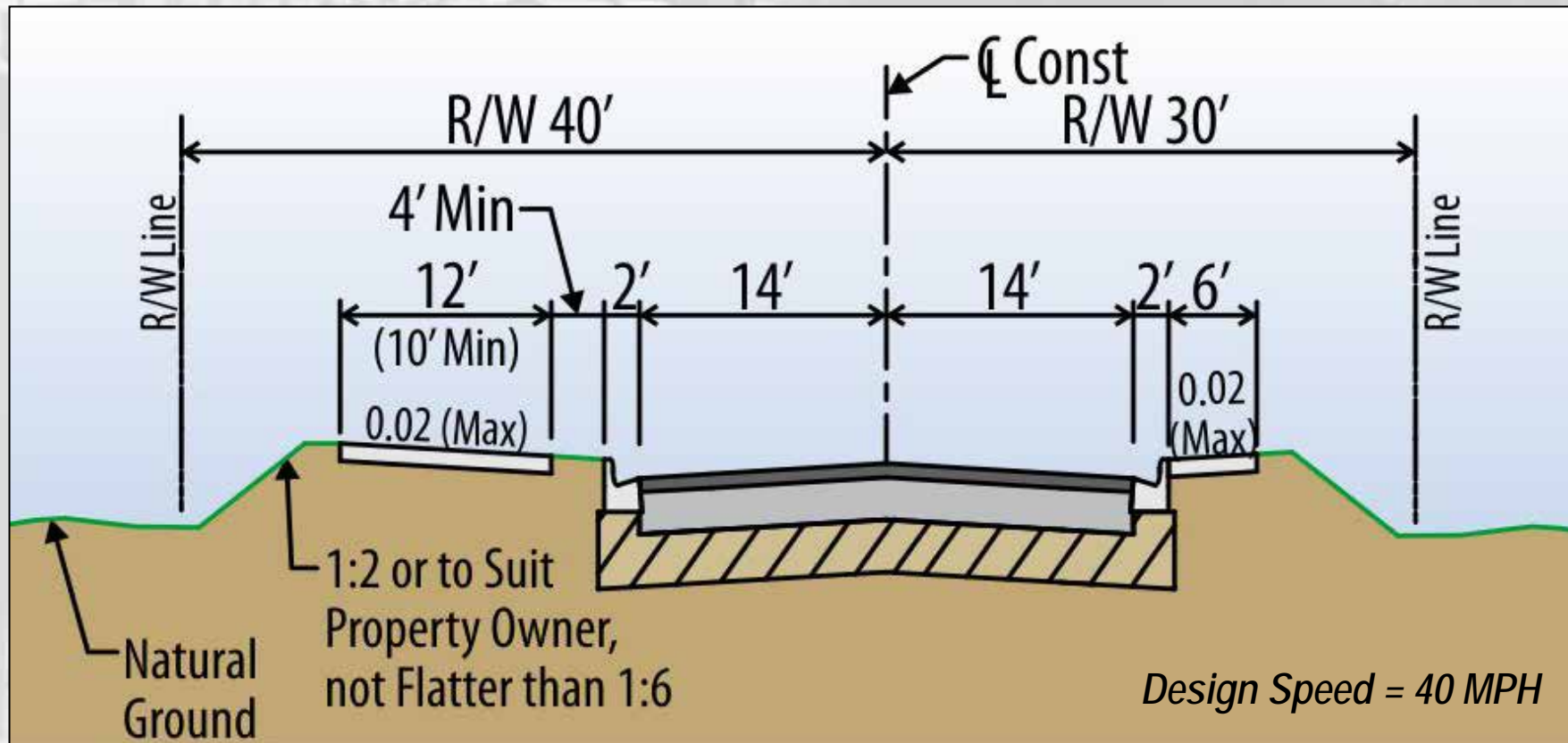
# NORTH BAY TRAIL EXTENSION EVALUATION TYPICAL SECTIONS



## § Macoma Drive to Weedon Island Drive

- *Curb and Gutter Roadway with Trail on West/North due to R/W constraints*
- *Minimal Environmental Impacts*

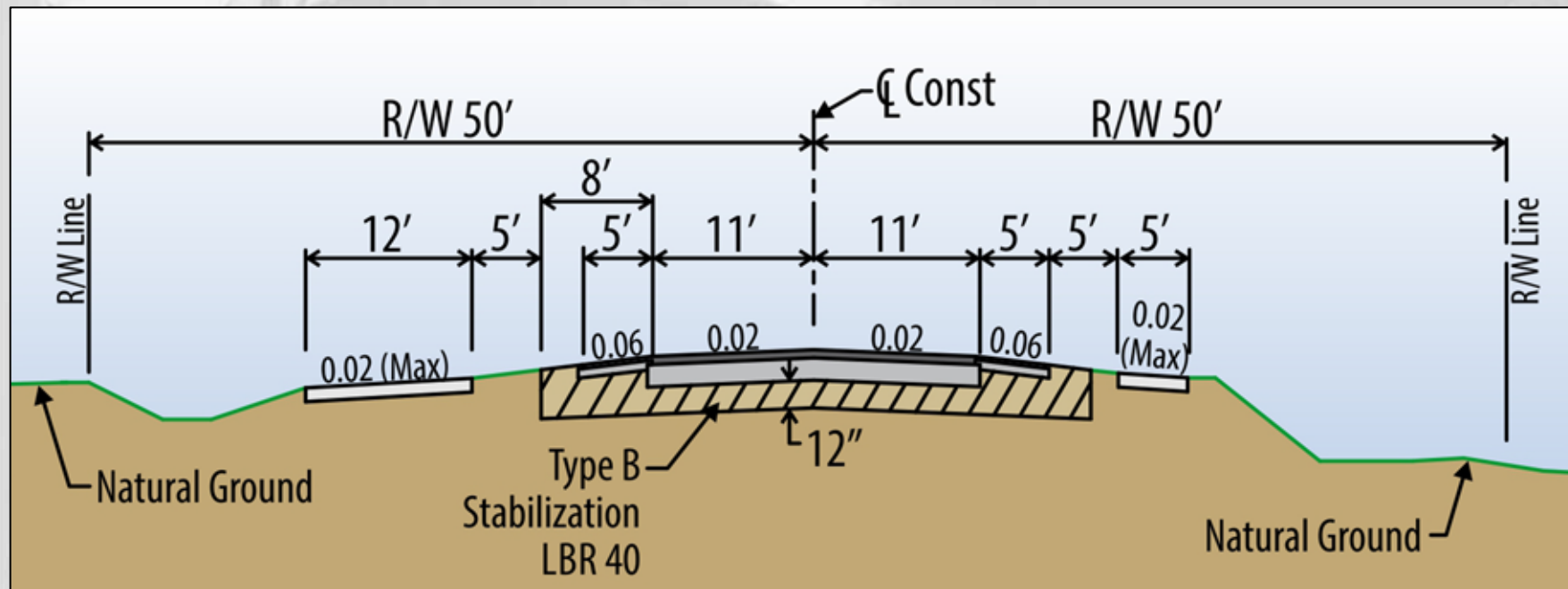
## § Maintain existing pavement while adding trail and sidewalk



# NORTH BAY TRAIL EXTENSION EVALUATION TYPICAL SECTIONS



- § Weedon Island Drive to Gandy Blvd.
  - Rural Roadway with Unpaved Shoulders
  - Trail Location Affected by Environmental Constraints and Connectivity
- § Add paved shoulders, trail and sidewalk





# SCHEDULE

TASK	2014	2015				2016				2017
	D	J-M	A-J	J-S	O-D	J-M	A-J	J-S	O-D	J-M
Receive Survey Data from County										
Public Involvement										
Alternatives Workshop										
Public Hearing (Optional Service)										
Engineering Data Collection										
Engineering Analysis/Documents										
Environmental Data Collection/ Analysis/Reports										
Prepare Environmental Document										
Submit Final Docs to FDOT for FHWA										
FHWA Review/Issue LDCA										
FHWA Review/Issue LDCA										

## § Construction programmed in County CIP for 2018/2019

- *Schedule contingent on acquisition of 50% grant funding.*
- *Actual construction time frame will be dependent on acquisition, timing and amount of available grant funding.*

# QUESTION & ANSWER



## CONTACT INFORMATION

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