

SR A1A Long Term Improvements Feasibility Study South of S. 28th Street to South of Osprey Drive

FLAGLER COUNTY FPID: 440557-1-22-01



**FDEP Coastal Management
Program Presentation**

Damage from Hurricane Matthew



Damage from Hurricane Matthew



one video sec2



"Shark Bites"

Damage from Hurricane Matthew

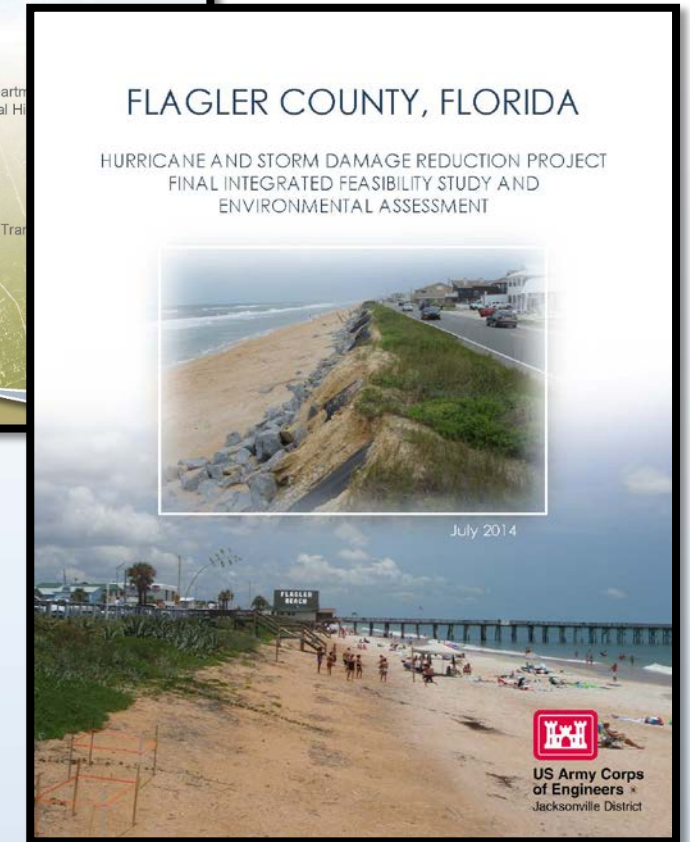




Let's find a long term solution!

Recent Studies

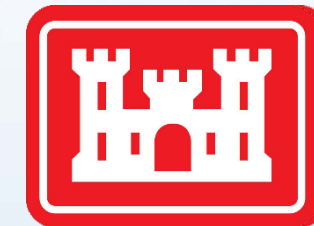
- FDOT PD&E Study (2011)
 - Interim improvements
 - Revetment using coquina rock
 - Revetment using granite rock
 - Long term improvement
 - Retaining wall with sand covering
 - Adding natural vegetation
- USACOE (2014)
 - Recommended option
 - Rebuilding the dune
 - Beach re-nourishment every 11 years
 - 50-year life cycle cost of \$42 million
 - May not protect SR A1A from major storm damage



Agency Coordination



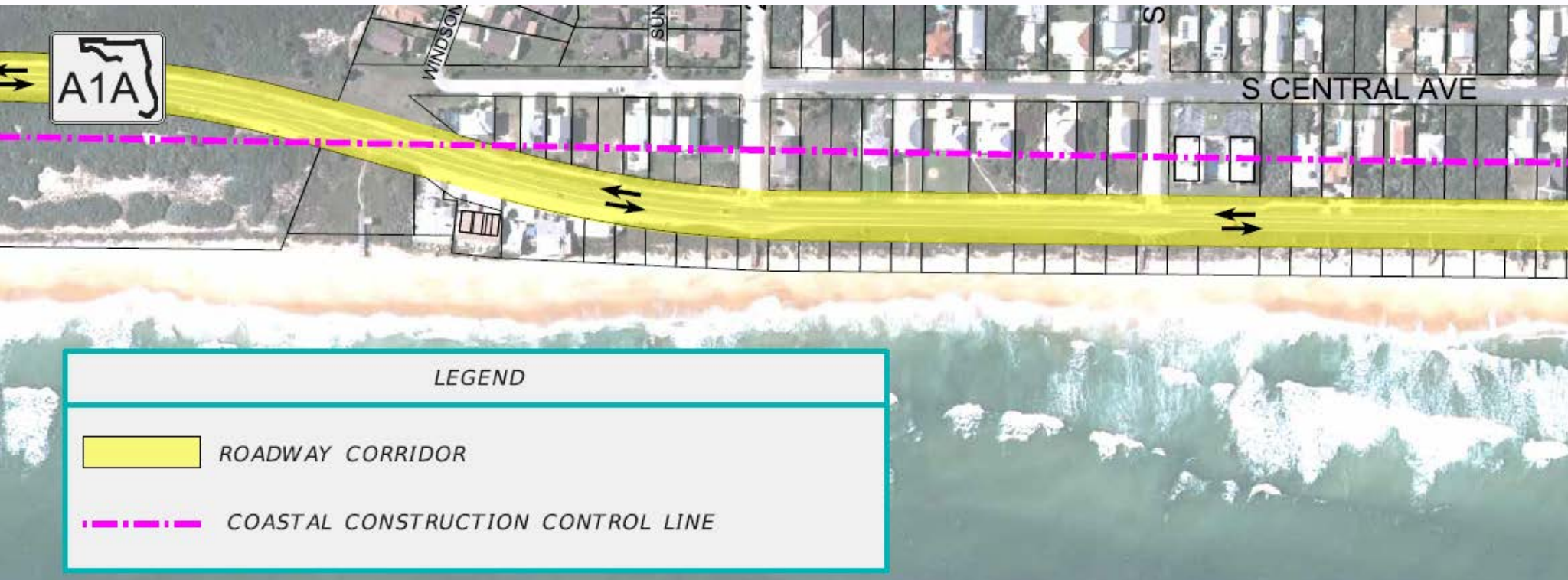
- Weekly Environmental Advisory Group
 - Florida Department of Transportation
 - Federal Highway Administration
 - Florida Department of Environmental Protection
 - US Fish and Wildlife Service
 - Florida Fish and Wildlife Conservation Commission
 - National Marine Fisheries Service
 - US Army Corps of Engineers
- Coordination with Local Stakeholders
 - Flagler County
 - City of Flagler Beach
 - Town of Beverly Beach



Challenges and Constraints



- A1A is completely within CCCL in this segment of Flagler Beach
- Homes and businesses immediately adjacent to A1A on west side
- Sea Turtle Nesting Habitat
- A1A is a Scenic Highway and evacuation route





FDOT

PUBLIC MEETING ANNOUNCEMENT
Thursday, December 15th, 2016, 2:30 p.m. to 6:30 p.m.
Flagler Beach City Hall
105 S. 2nd Street, Flagler Beach, FL 32136

FDOT invites you to a public meeting to talk about the permanent repair of State Road (SR) A1A, from 2:30-6:30 p.m. Thursday, December 15, at Flagler City Hall, 105 S. 2nd Street, Flagler Beach. The meeting will be an open house with a video presentation on a loop. The meeting will kick off the process of developing a permanent solution for SR A1A. FDOT will conduct a feasibility study for the section of State Road (SR) A1A from south of S. 28th Street to south of Osprey Drive in Flagler County. The study is going to include the temporary improvements already in place. The feasibility study will build a list of options that would work to permanently repair the road.

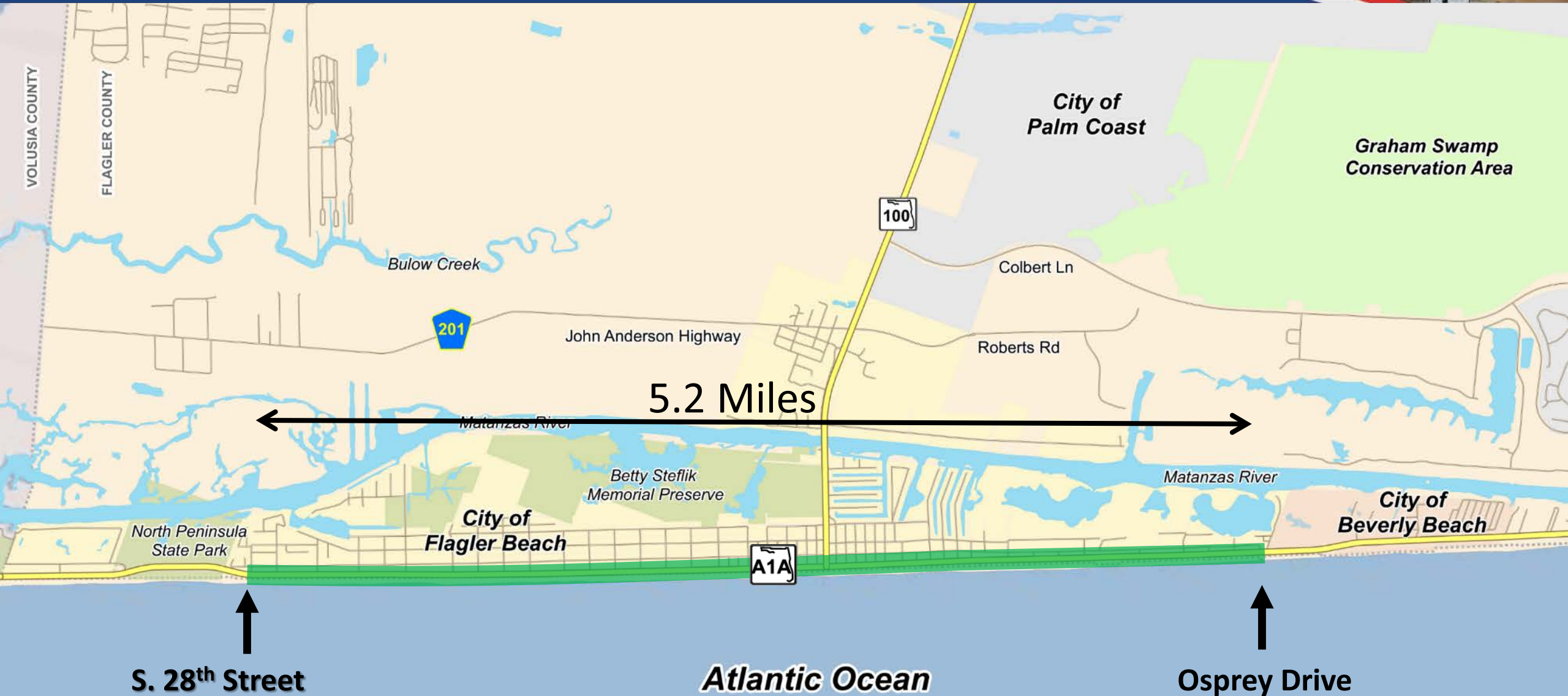
Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting Jennifer Smith, FDOT District Five Title VI Coordinator, by phone at (386) 943-5367, or by e-mail to: Jennifer.Smith2@dot.state.fl.us.

Persons with disabilities who require special accommodations under the Americans with Disabilities Act or persons who require translation services, free of charge, should contact: Ms. Laura Clark at 407-971-8850 or by e-mail to LClark@inwoodinc.com, at least seven (7) days prior to the meeting. If you are hearing or speech impaired, please contact us by using the Florida Relay Service, 1-800-955-8771 (TDD), or 1-800-955-8770 (Voice).

Alternatives Evaluated

Shown at Public Meeting on December 15, 2016

Project Limits



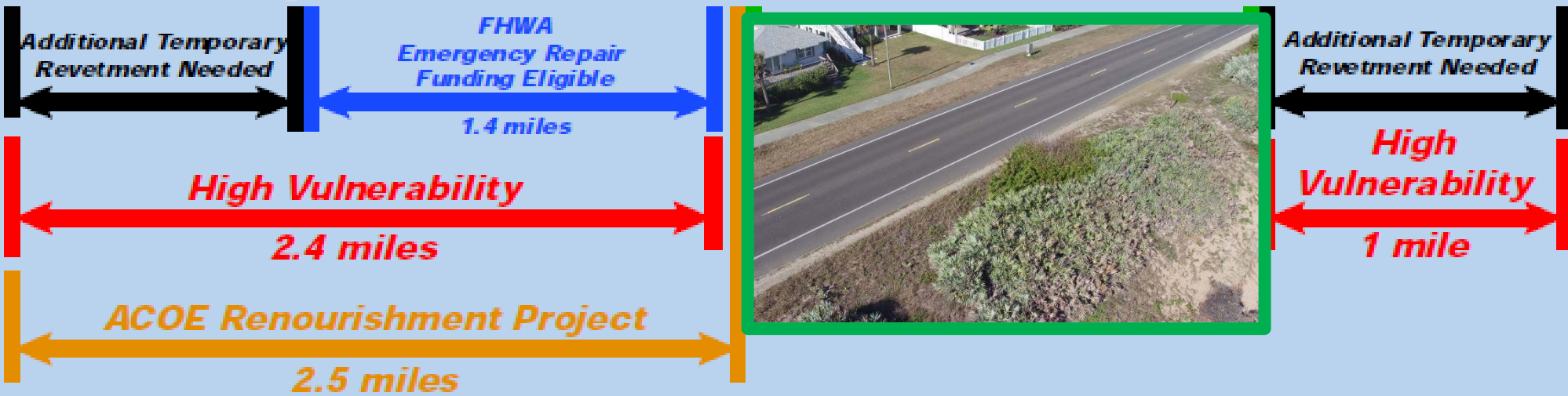
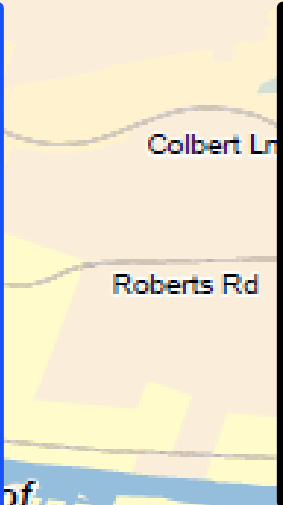
Initial Alternatives Evaluated



1. Reconstruction of SR A1A back to its original location
2. Construct buried retaining wall and reconstruct to pre-storm location of A1A
3. Reconstruct A1A within ROW shifting to west and construct buried retaining wall
4. Relocate A1A to Central Avenue
5. Construct One-Way Pairs with A1A and Central Avenue and construct buried retaining wall
6. Construct One-Way Pairs with Central and Daytona Avenues



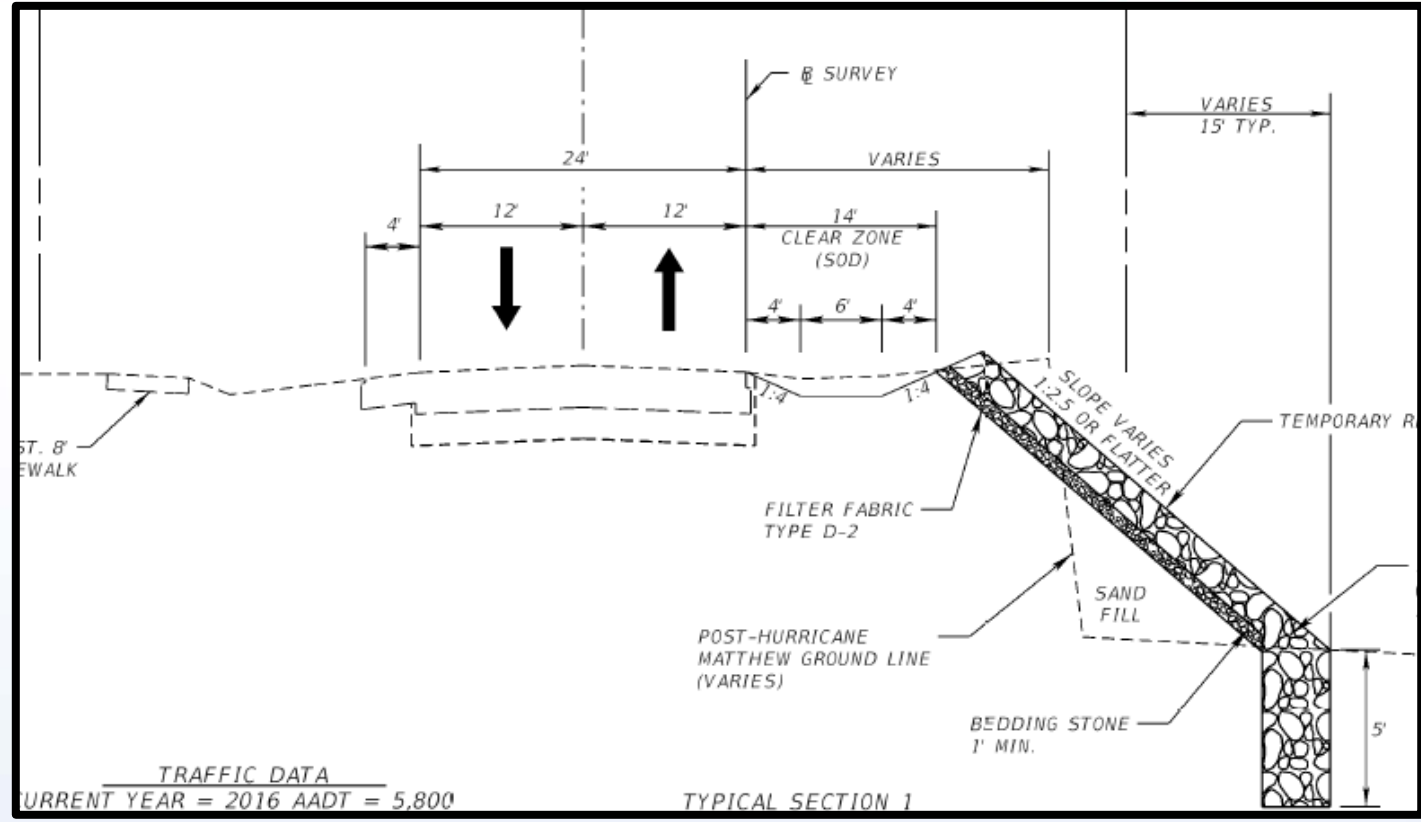
Status of Beach Segments





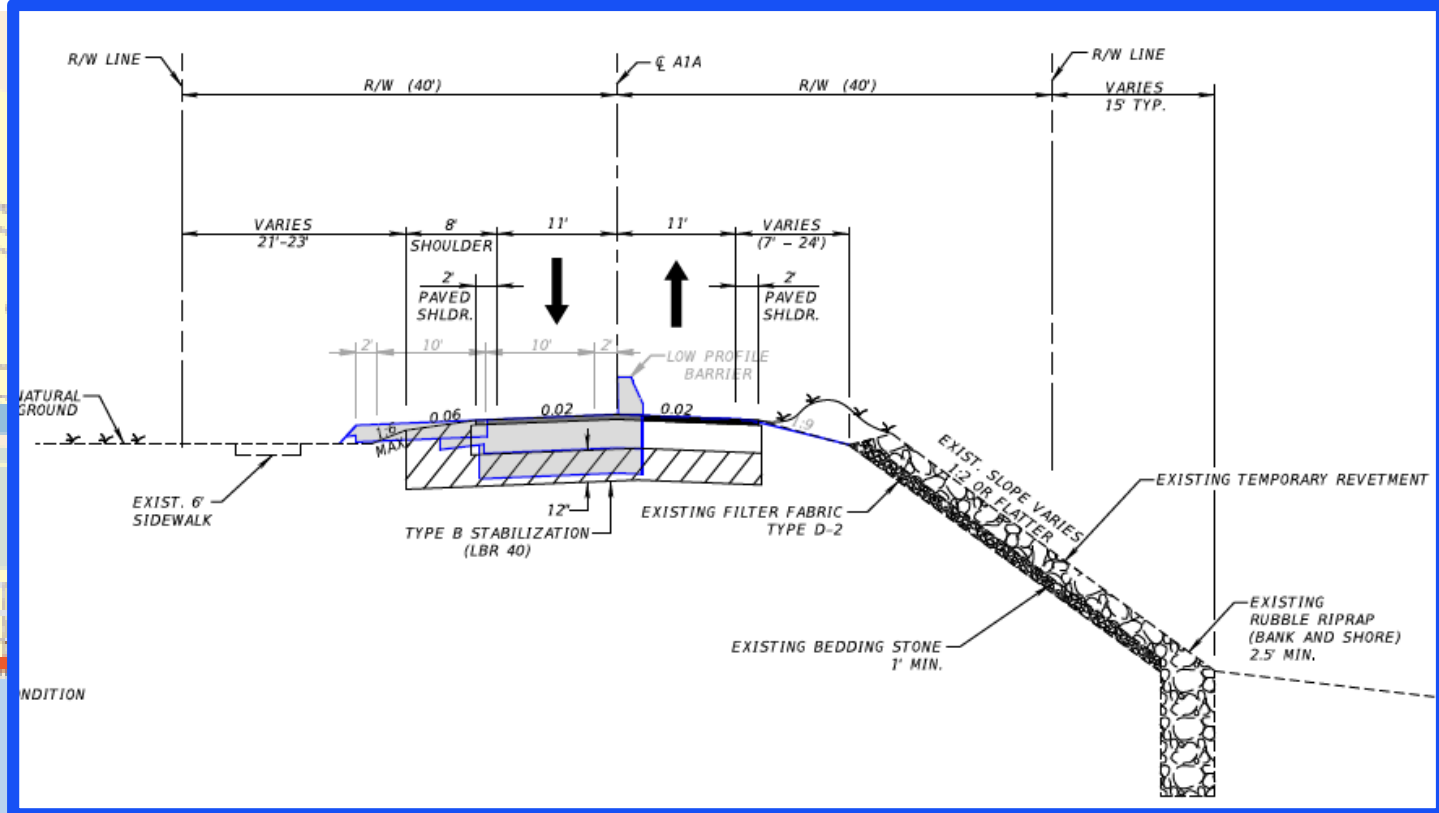
Recommended Hybrid Option

South Segment of Recommended Option



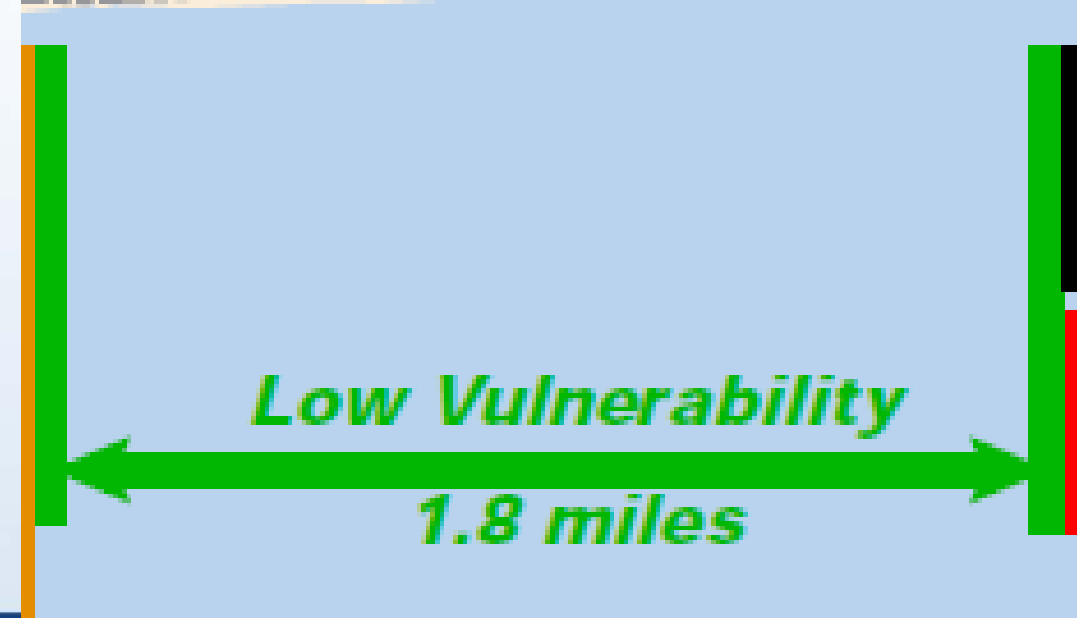
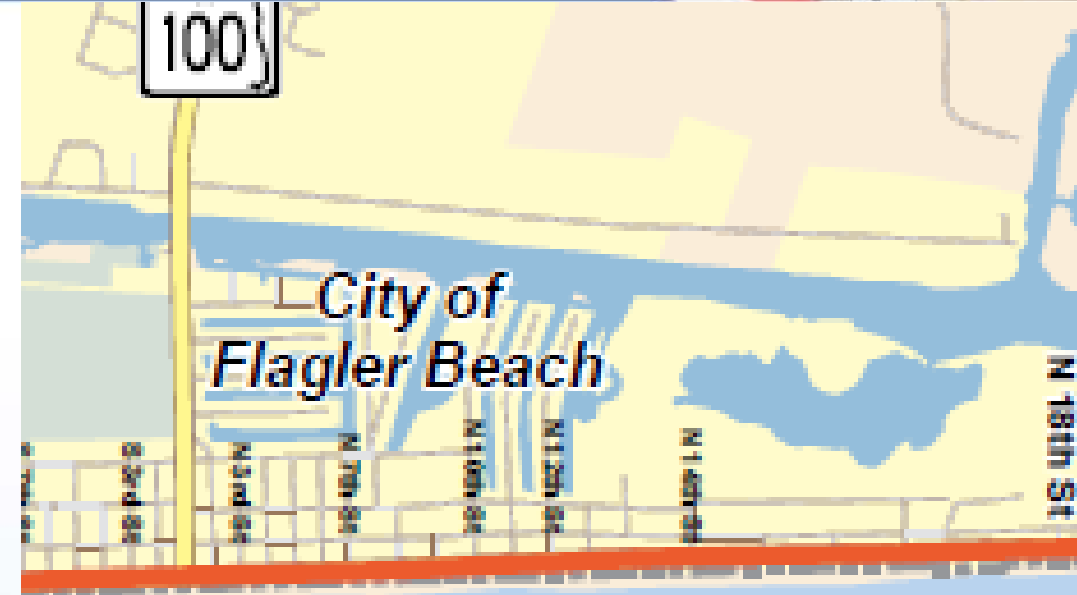
Add Revetment from S. 28th Street to S. 23rd Street

South Segment of Recommended Option



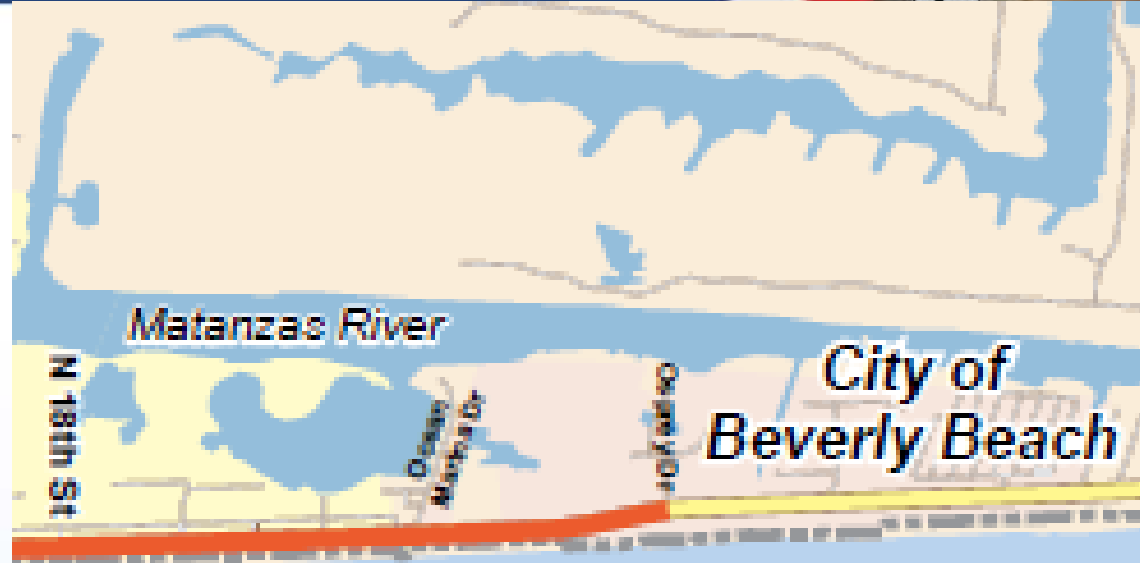
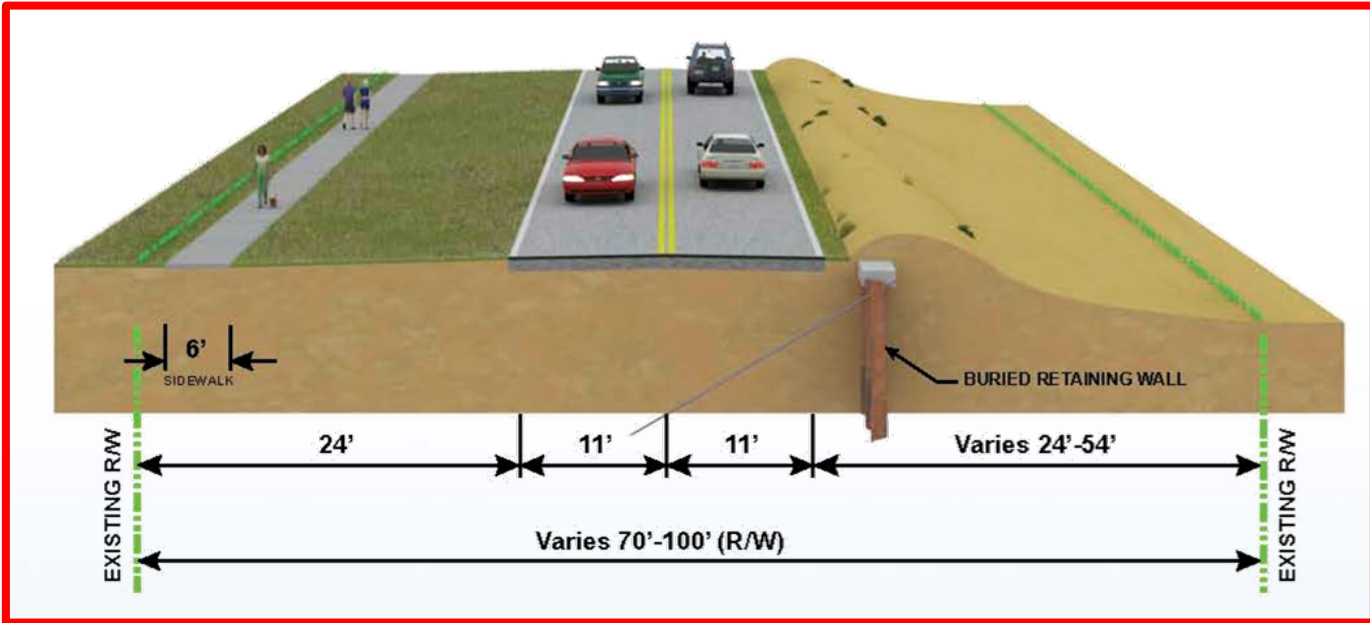
Reconstruct Road from S. 22nd Street to S. 9th Street

Middle Segment of Recommended Option

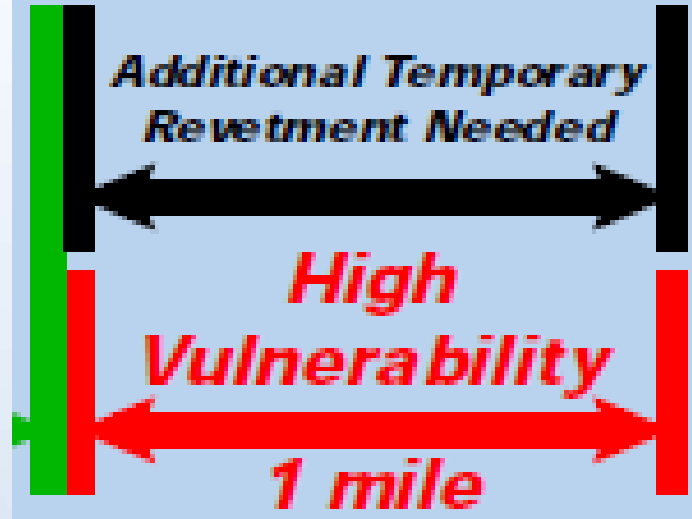


- No Construction Activities
- Annual funding for maintenance activities related to dune stability to protect A1A

North Segment of Recommended Option



- Construct Buried Retaining Wall and Dune from N. 18th Street to 500' South of Osprey Drive
- Annual funding for maintenance activities related to dune stability to protect A1A



Next Steps



- Final Design scheduled to begin June 2017
 - Continue coordination with agencies
 - Update Biological Opinion
 - Prepare reevaluation
- Construction Letting scheduled for October 2018



Questions?

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Project Development Manager

Florida Department of Transportation District Five

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