

# Broward County Shore Protection Segment III-Contract A Project Overview



# PROJECT PURPOSE

- coastal storm risk management
- beach erosion control
- storm surge protection



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# BEACH RENOURISHMENT BENEFITS

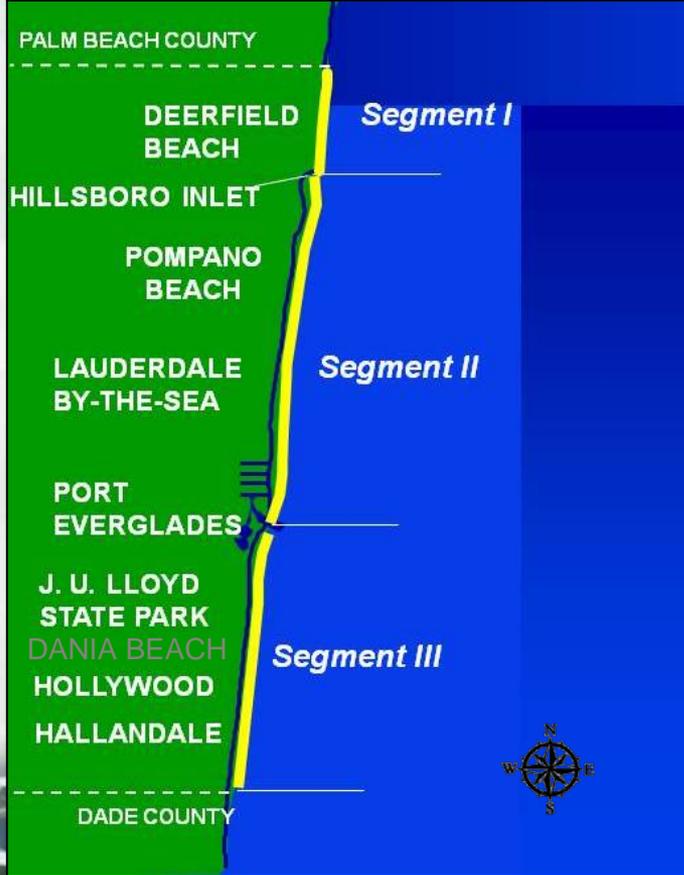
- protect infrastructure, the beach is the first line of defense against storm impacts and damage
- preserve the environment for wildlife (nesting sea turtles; foraging and nesting shore birds)
- support the economy (tourism)
- recreational value
- build coastal resiliency
- based on over 50 years of study



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# BROWARD COUNTY SHORE PROTECTION SEGMENT III FCCE—SUPPLEMENTAL



**CONSTRUCTION TYPE:** Truck-Haul Sand

**PLACEMENT:** Beach (Above Mean High Water Level)

**QUANTITY:** 125,000 cubic yards

**RESTRICTIONS:** Nov-Apr Only (Turtle Window)

**ADVERTISE Seg. III (Contract A):** October 2018

**AWARDED:** December 6, 2018

**CONSTRUCTION STARTS:** January 2019

Must be complete by April 30, 2019

## FUTURE PLAN

Approved for Contract B (full template that will widen beach from the full template) that requires completion of environmental consultation and subject to availability of funds. Targeting construction in 2020.



# CONSTRUCTION



Some areas of the beach and the parking lots will be fenced off for your protection; please steer clear of all construction zones

Expect to see and hear heavy machinery including dump trucks, bulldozers, backhoes



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# CONSTRUCTION

Where is Construction?

- Mizell-Johnson State Park
- Dania Beach
- Hollywood Beach
- Hallandale Beach



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# Draft Progress Maps



SCALE: 1:3000

## LEGEND:

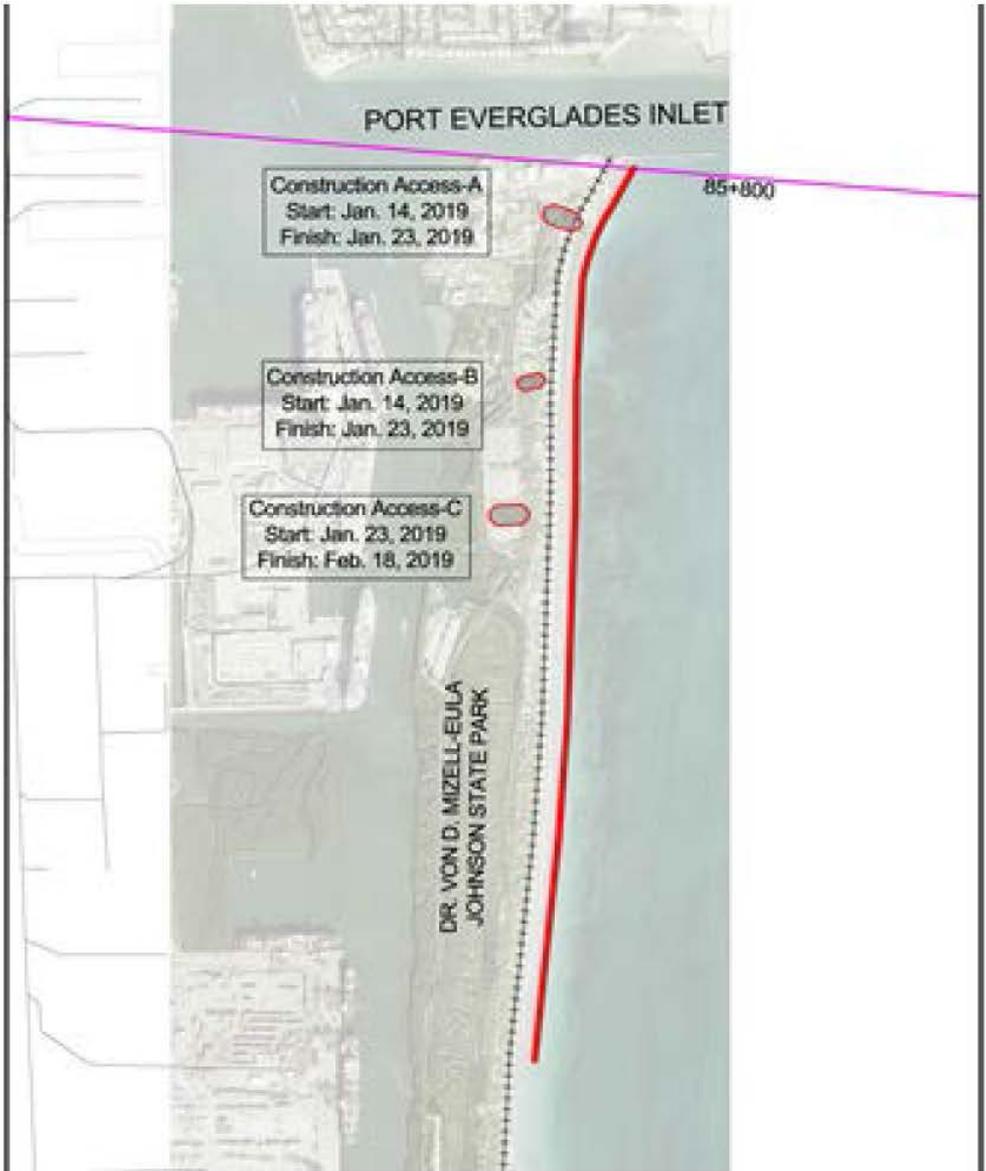
	START/ END OF SECTION LIMITS
	FUTURE BEACH CONSTRUCTION
	BEACH UNDER CONSTRUCTION
	COMPLETED BEACH CONSTRUCTION
	DESIGNATED ACCESS IN USE OR UNDER CONSTRUCTION



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# Draft Progress Maps – North Section



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# Draft Progress Maps – Mid Section



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# Draft Progress Maps – South Section



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# BROWARD COUNTY SEGMENT III

## **Active Construction:**

- Will start in the next 2-3 weeks—pending approval of certain contract submittals
- Work will complete by April 30
- Trucks in staging areas running M-F: 7a.m. to 5 p.m. S: 9 a.m. to 5 p.m., and no work on Sundays.
- Trucks and equipment on beach same timeframes
- Equipment left overnight will be fenced
- Federal holidays identified as No Work days
- Progress map will be updated periodically and posted online

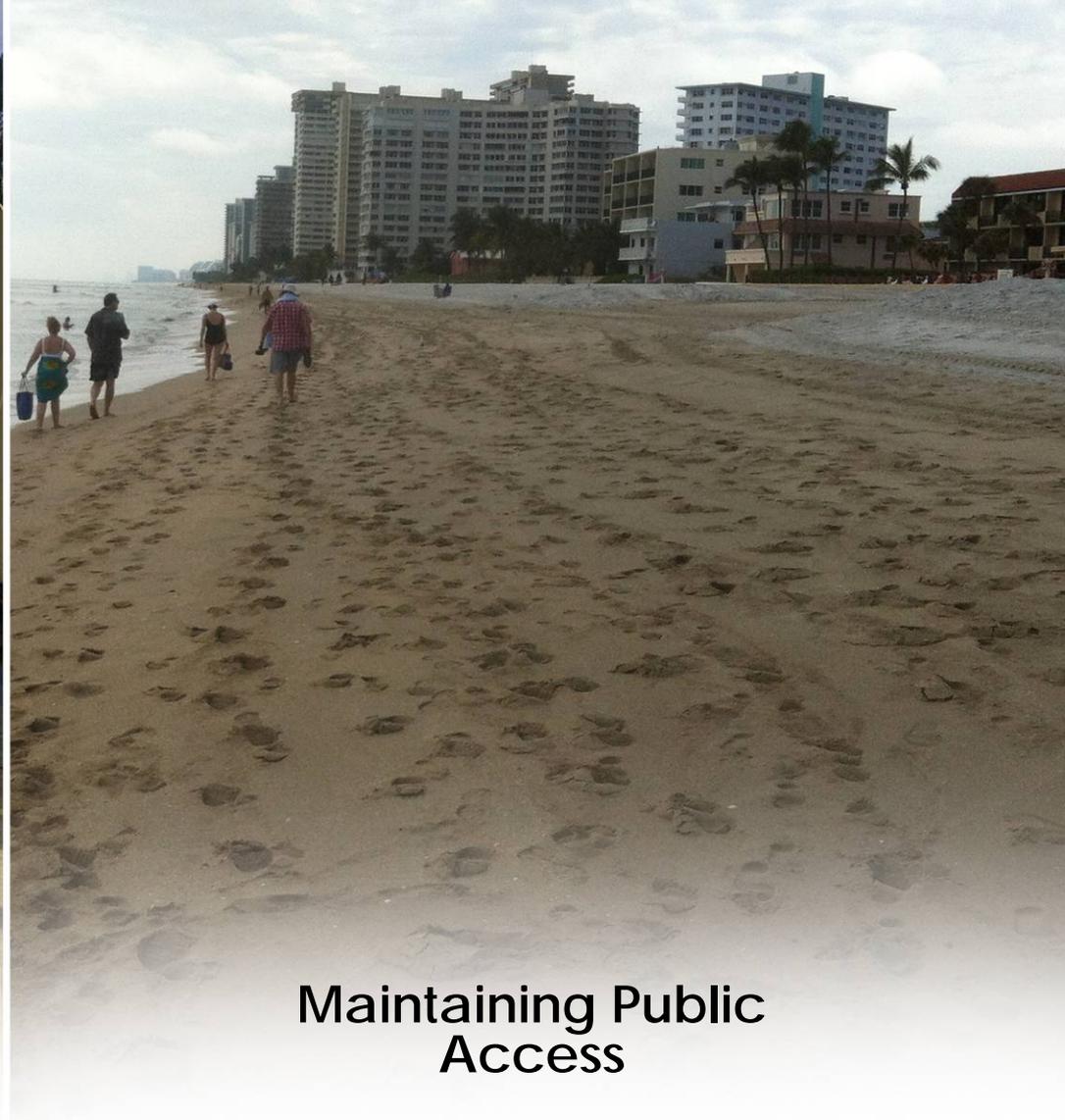


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Limited Construction  
Access



Maintaining Public  
Access

# Addressing Concerns



# SAND SPECIFICATION

- The specification for BROWARD COUNTY SEGMENT III PROJECT is more limiting than the Florida Sand Rule
- The sand supply shall be naturally created
- The sand may be processed, but manufactured sand is not allowed. Sand produced from crushed rock is considered manufactured and is not allowed
- The sand must be composed of quartz and/or calcium carbonate with no more than 5 percent sand of other
- Sand color shall be similar to the existing beach based on the Munsell Soil Color Chart



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# ENVIRONMENTAL CONSIDERATIONS

- Completed CZMA process
- Environmental Assessment (EA) Completed
- Replacing beach that has eroded
  - Will not build beyond a historical profile
- Placing above Mean High Water (MHW) Level
  - Avoids impacts to water quality and hardbottom
  - Evidence in the Segment II 2013 FCCE Project



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# PROTECTION OF WILDLIFE

Monitoring: daily of migratory shorebird (after April 1) and sea turtles (after March 1)

Relocation: of sea turtle nests out of construction zone (not expected because of construction window)

Equipment Storage: From March 1 through November 30, staging areas for construction equipment must be located off the beach to the maximum extent possible. Nighttime storage of construction equipment not in use is limited to the fenced access area. Fencing allowed on the beach will be protected by plywood to deflect turtles.

Beach Fill: material placed on the beach must be similar to that which occurs naturally within the project location or vicinity in quartz to carbonate ratio, color, median grain size, and median sorting.



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# WHAT IS THE COST FOR THE PROJECT?

The contract was awarded to Eastman Aggregate Enterprises, LLC for a total of \$7.9M

Project is funded 100% by the federal government



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# NEXT STEPS

Segment III (Contract B)—Full construction template (widening existing beach and placing into the water) is under design. Design will be completed after environmental consultation assuring compliance with environmental laws.

-Public can comment through NEPA process



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# ADDITIONAL INFORMATION

**Who may I contact with questions or comments?**

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**Where can I get more information?**

**Corps Website**

<https://www.saj.usace.army.mil/BrowardSegIII2018/>



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# SOCIAL MEDIA

U.S. Army Corps of Engineers Facebook page:  
<https://www.facebook.com/JacksonvilleDistrict/>



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THANK YOU



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