



# Navarre Beach & Dune Restoration Project

Status Report – to be regularly updated

April 15, 2016

## Work Completed (April 9 to April 15)...

- Weeks Marine Inc. (Contractor) began to mobilize equipment to the site
  - On April 12 Weeks brought in a bulldozer, pipe moving forklift, and plywood to the staging area on the east end of the Navarre Beach Pier parking lot
  - The equipment has been staged and fenced off just off the paved area of the parking lot
- Shorebird and Seabird surveys continued on a daily basis with no nesting or breeding found within the project area to date.

## Work Planned (April 16 to April 22)...

- The Contractor expects to deploy two submerged pipelines which will travel underwater from offshore onto the beach making landing near the Beach Colony Resort and just east of Missouri St. The pipelines will be deployed as soon as weather and sea conditions are suitable. Once deployed safety signs will be placed on the beach around the pipelines and the ends will be capped for safety.
- The Contractor will perform hydrographic surveys of the offshore borrow area (sand source) on Friday.

## Project Facts:

- On December 10, 2015, the Santa Rosa County Board of County Commissioners awarded a construction contract to Weeks Marine Inc.
- About 1.3 million cubic yards of sand will be placed from immediately east of the Gulf Islands National Seashore to the eastern limits of the Navarre Beach Marine Park. The Project construction will:
  - make use of the same offshore borrow area used for the initial 2006 restoration project,
  - place sand that looks slightly gray when first placed, but will lighten to near white as the sand dries and is exposed to the sun as occurred in 2006,
  - restore the dune crest to a width of 30 feet with native dune plants,
  - increase the width of the beach berm by 100 to 200 feet, and
  - once started likely occur 24 hours per day at 7 days per week until completed.
- According to the most recent communication with the Contractor, they are projected to start the estimated 50 days of sand placement as early as April 24 and by April 29 and reach completion in mid-June. The Contractor will:
  - use the east portion of the Pier parking lot and the beach access at South Carolina Street to stage land-based equipment,
  - use two "Trailing Suction Hopper Dredges" – the "R.N. Weeks" and the "B.E. Lindholm" – to excavate sand from the offshore borrow area, haul the material to a submerged pipeline near the beach, connect to the pipeline and begin hydraulic placement of the material onto the beach with extension of the pipeline along the beach as construction progresses.
  - place sand from East to West along the beach – averaging almost 500 feet per day.

Following completion of sand placement in Navarre Beach, the Contractor has also indicated his intent to use the same two dredges to construct the Pensacola Beach project.

- Seabird and Shorebird Monitoring began on March 31, 2016 and Turtle Monitoring will begin on May 1, 2016 coinciding with the start of Marine Turtle Nesting Season.
- County and Coastal Tech – G.E.C., Inc. staff will be communicating with beachfront property owners regarding existing dune walkovers and fill placement around those walkovers.

- Per the Technical Specifications, permits, and customary construction practices:
  - At any time during construction, up to a 1,000-foot long area of beach (around the pipeline discharge) will not be open to the public. For security, this area will be marked and fenced. Beaches east and west of the pipeline discharge will be open to the public. Sand ramps will be placed over the pipeline to allow beachgoers access to the Gulf.
  - Dredging operations will produce turbidity (cloudiness) in the water. Turbidity levels will be closely monitored and if levels get too high, construction will be temporarily suspended and modified to meet permitted levels.
- Project Funding for construction is proposed as follows:

Funding Source	Amount
FEMA	\$2,317,187
FDEP BMFAP - FY 15/16 & FY 16/17 Appropriations	\$8,210,510
Local Share	\$6,833,549
<b>Total:</b>	<b>\$17,361,246</b>

Local Share	\$6,833,549
Santa Rosa TDC	\$2,800,000
County	\$2,016,775
MSBU	\$2,016,774

The County will front the MSBU share of costs to be subsequently repaid to the County via the MSBU. The Santa Rosa County Commission is expected to consider the proposed Local Funding Plan and MSBU for adoption in August 2016.

For Questions, please contact:

Name	Title	Affiliation	Phone Number	Email Address
Andrew Condon	Engineer-of-Record Construction	Coastal Tech – G.E.C., Inc.	(321) 751-1135	acondon@coastaltechcorp.com
Michael Walther	Engineer-of-Record Design	Coastal Tech – G.E.C., Inc.	(772) 559-2493	mwalther@coastaltechcorp.com
Roger Blaylock	County Engineer	Santa Rosa County	(850) 981-7100	RogerB@santarosa.fl.gov

### Frequently Asked Questions:

1. What is the approximate number of dump trucks in comparison of each dredge's delivery of sand and for the total project?  
 Answer: Each dredge load delivers about 140 dump truck loads (assuming an 18 cubic yard dump truck). The entire project volume is estimated at 1.3 million cubic yards which equates to approximately 72,200 dump truck loads (assuming an 18 cubic yards dump truck).
2. How many approximate sand trip deliveries for each dredge in a 24 hour period to the beach?  
 Answer: Each dredge is expected to make about 4 round-trips within a 24 hour period.
3. What is the approximate time for each dredge to complete a cycle collecting sand from the borrow area, returning to the beach, distributing the sand onto the beach, and returning back to the borrow area?  
 Answer: The approximate cycle time for a dredge to fill its hopper at the borrow area, transit to the beach, discharge onto the beach, and then return to the borrow area is approximately 6 hours
4. Will vegetation be added to the areas where sand is added to the berm?  
 Answer: Vegetation will be added to the dune (not the beach berm) where the dune is being re-constructed.



Projected traffic flow during mobilization

Area closed intermittently during mobilization and staging

