

Flagler County, FL Coastal Storm Risk Management (CSRM) Project

PUBLIC MEETING PRESENTATION
OCTOBER 18, 2023

Link to
the
Project
Website



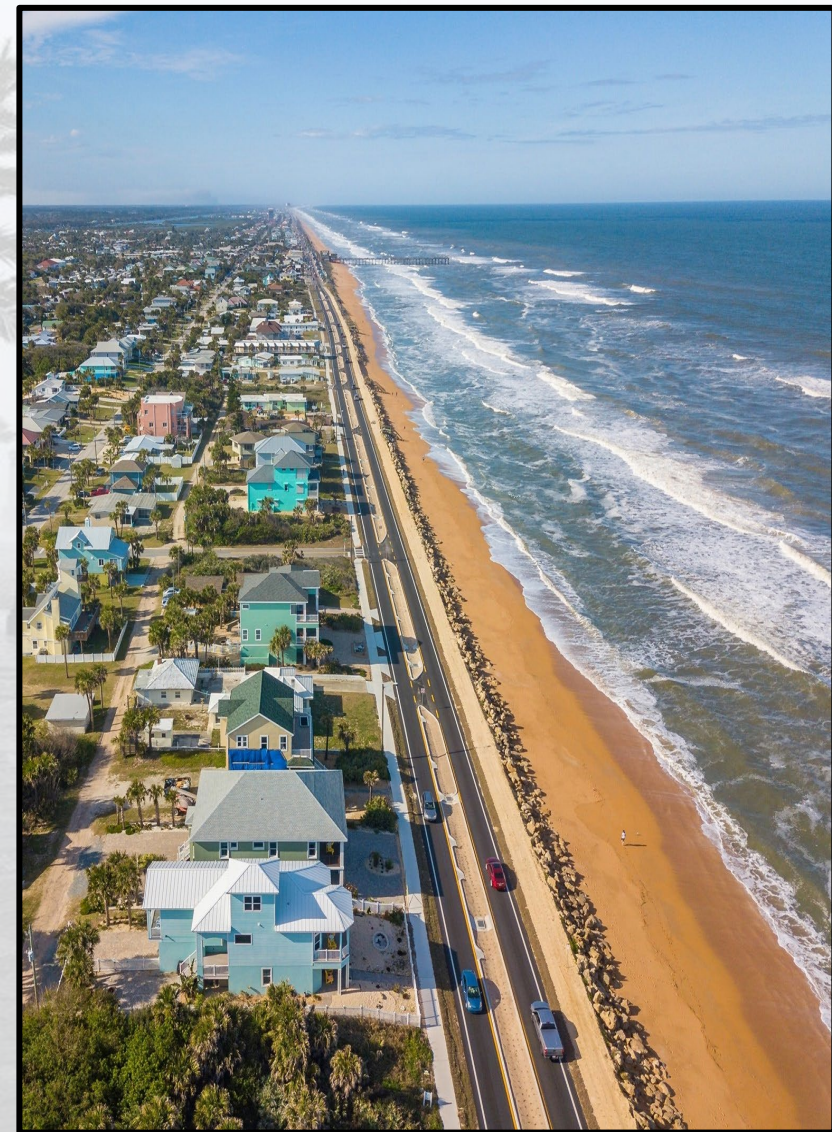
Presented by:
Jason Harrah, Senior Project Manager (Jacksonville District, USACE)
Jason.S.Harrah@usace.army.mil (904) 232-1381 



FEDERAL BEACH PROJECT OVERVIEW



BUILDING STRONG



Non-Federal Sponsor: Flagler County Board of County Commissioners

Project Limits: ~3 miles (7th St. South to 28th St. South)

Project Features: Beach Berm, Dune, Vegetation, Signage

Construction Intervals: Initial Construction (2024), Emergency Renourishments (after major storm events (as approved), regular renourishments ~every 11 years (2035, 2046, 2057, 2068).

Project Cost Share: 65% Fed, 35% Non-Fed for Initial, 50%/50% Renourishments, 100% Fed for Emergency Events.

Project Benefits:

- **\$2.4M** Average Annual Benefits
- Benefit to Cost Ratio **1.9:1**
- **~3.2 acres** of environmental habitat created
- **95% reduction** in damages through 2065

Design Details:

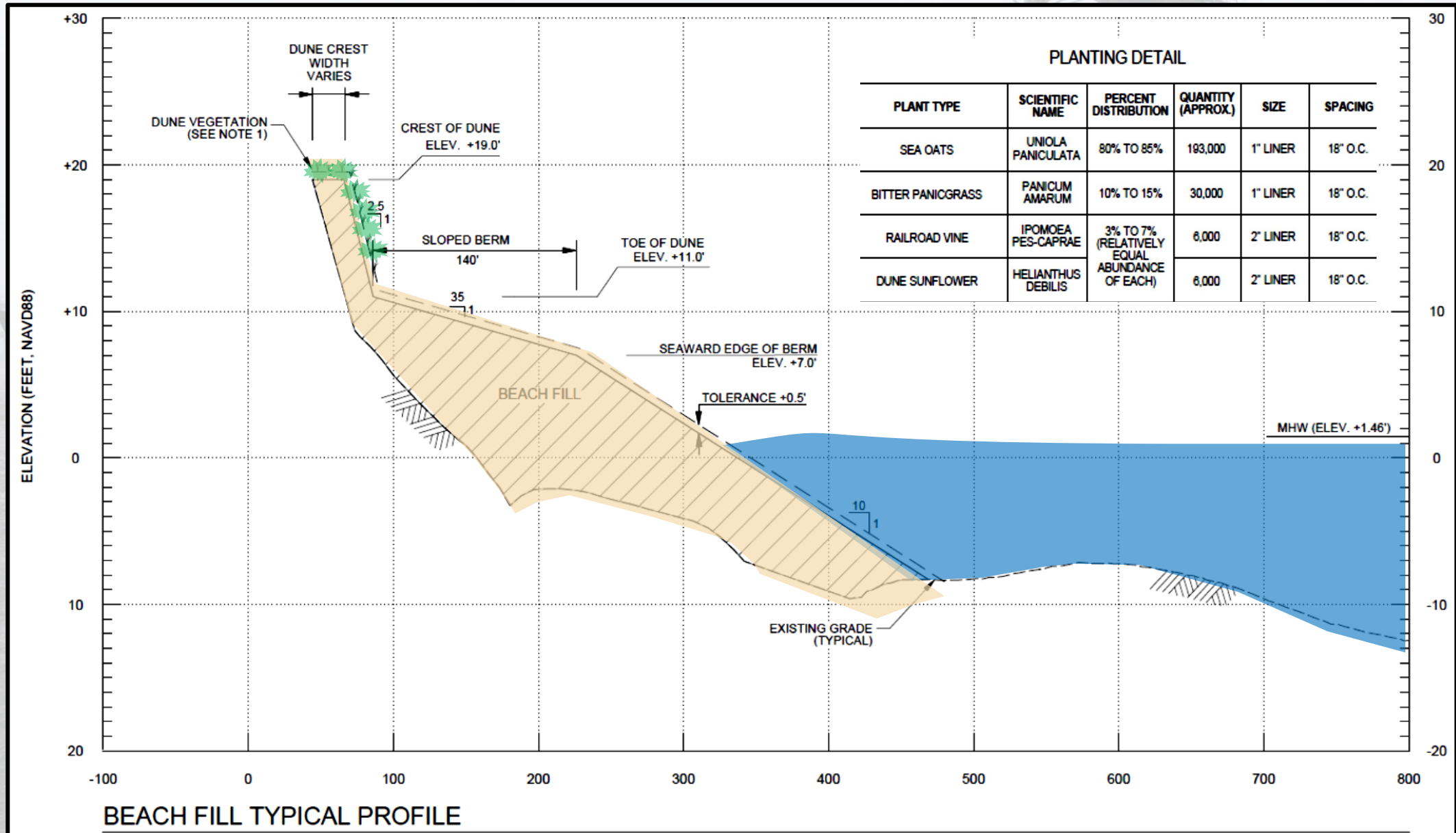
- **Dune Height:** +19.0'
- **Dune Width:** Varies
- **Berm Width:** 140'
- **Dune Vegetation:** Sea Oats, Bitter Panic-grass, Railroad Vine, Dune Sunflower
- **Volume of Sand Placed:** 1.3M cubic yards



DESIGN FEATURES



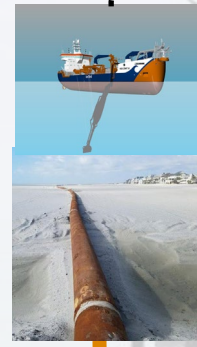
BUILDING STRONG





PROJECT OVERVIEW

Offshore
Borrow Area
3A



Gamble
Rodgers
State
Park

28th St.
South

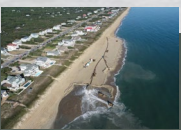
7th St.
North

7th St.
South

Non-Federal
Section
150,000 cubic
yards of sand

Federal
Section
1,310,000
cubic yards
of sand

Non-Federal
Section
120,000
cubic yards
of sand





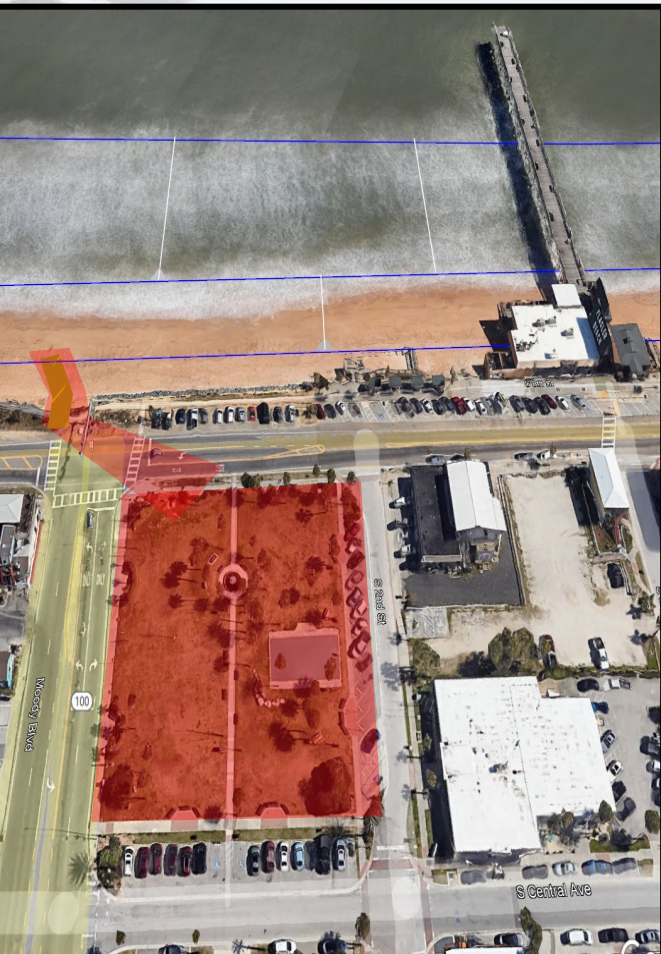
CONTRACTOR STAGING AREAS & BEACH ACCESS



BUILDING STRONG

#1

Staging/Access #1
Veterans Park



#2

Staging/Access #2
6th St. South



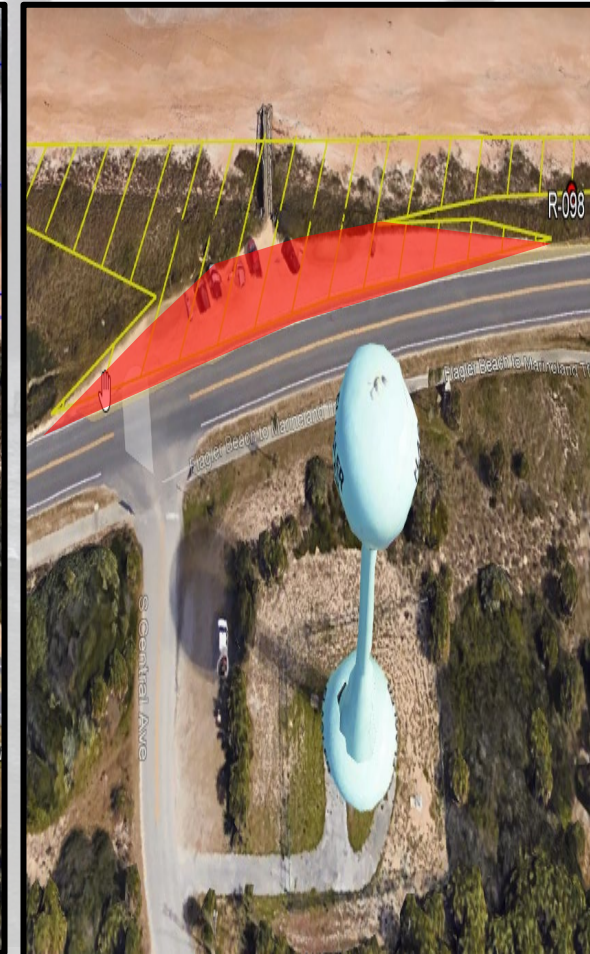
#3

Staging/Access #3
Pebble Beach HOA



#4

Staging #4
Water Tower Area





BEACH CONSTRUCTION – IN STEPS



BUILDING STRONG

July – Oct 2024

Oct 2024

Nov 2024 – Feb 2025

Feb 2025 – Mar 2025

Step #1 Construct Beach North of Pier

Step #2 Construct Beach South of Pier

Step #3 Federal Project 7th St. South to 28th St. South

Step #3 28th St. South to Gamble Rodgers State Park

- Veterans Park Staging/Access Area
- Beach Ramp Construction
- Road Closures Along A1A and Adjacent Roads

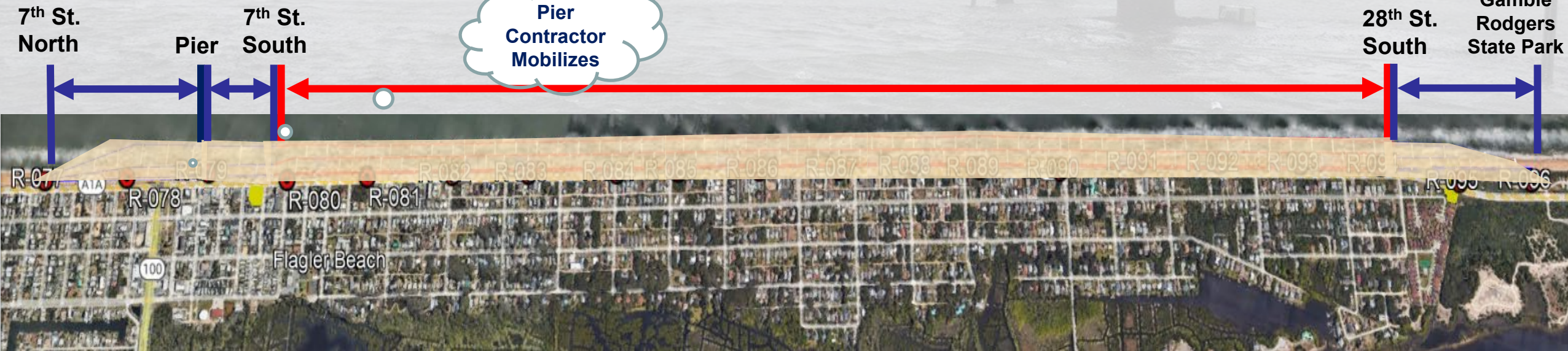
- 6th St. South Park Staging/Access Area
- Beach Ramp Construction
- Add'l. Road Closures Along A1A and Adjacent Roads

- 6th St. South Park Staging/Access Area transition to Pebble Beach HOA Staging/Access Area
- Beach Ramp Construction at Pebble Beach HOA
- Road Closures Along A1A End (Once Blue Areas Constructed)

- Pebble Beach HOA Staging/Access Area
- Reduced Speed Zoners
- Use of Water Tower Area
- Demobilize from this Site

Mid-Oct 2024

Pier Contractor Mobilizes





KEY DATES



BUILDING STRONG

<u>Activity</u>	<u>Dates</u>
Flagler County Certifies Lands to USACE	November 6, 2023
FDEP Issues Permit Mod for Flagler County Beach Construction Areas	December 29, 2023
USACE Signs Finding of No Significant Impact (FONSI)	January 10, 2024
USACE, Flagler County, BOEM Execute Offshore Sand Lease	January 19, 2024
Plans & Specifications Certified by USACE	January 26, 2024
Contract Advertised	February 29 – April 1, 2024
Bid Opening	April 1, 2024
Contract Award	May 2, 2024
Contractor Mobilization	July 5, 2024
Construction Completion	March 2025

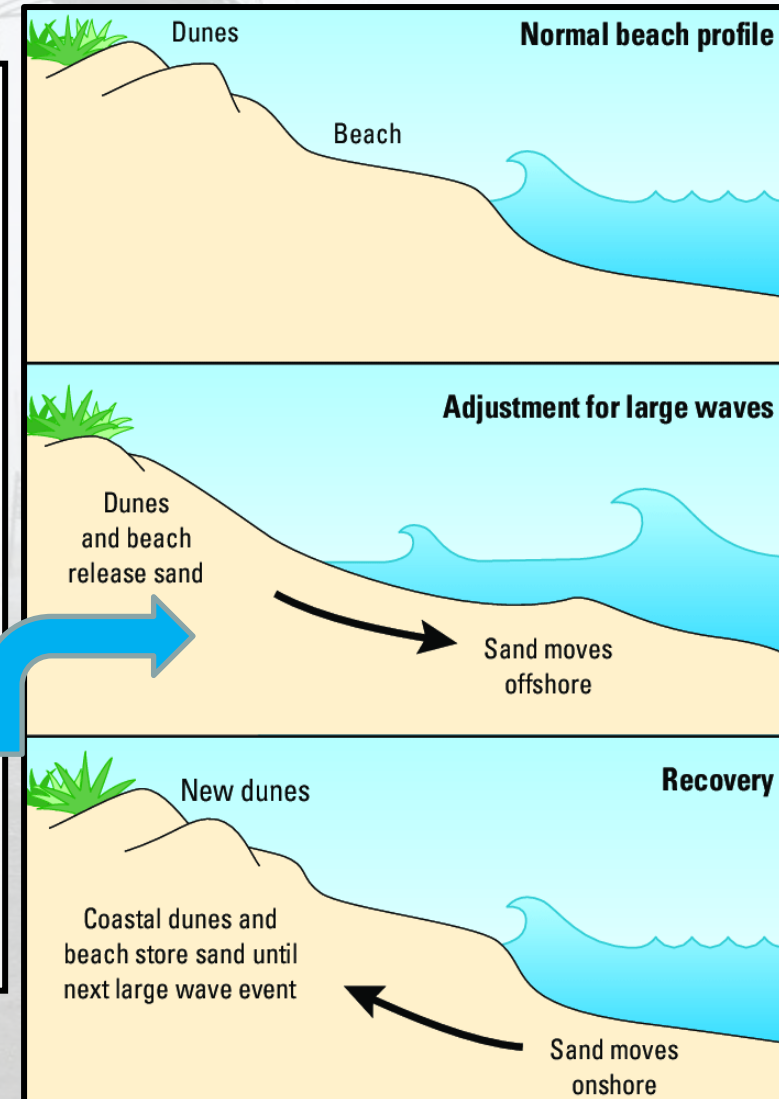


WHAT TO EXPECT?



BUILDING STRONG

- **Periodic Closures of SRA1A and Adjacent Roads**
- **Construction 24/7**
- Temporary Closure of Beach Areas (i.e., contractor builds a 1,500 section, checks lines/grades and reopens).
- Backup Alarms, Equipment Noise, Contractor Staff
- Environmental Monitoring Team (i.e., turtles, shorebirds, offshore species, relocations, etc.)
- Sand placed around Dune Walkovers (over/underneath).
- Escarpments Form Immediately Following Construction
- **NEW BEACHES ERODE QUICKLY! THAT DOESN'T MEAN THE SAND IS LOST.**



Courtesy of Research Gate



FLAGLER BEACH IS GOING TO BE BUSY!!!



BUILDING STRONG

- ✓ **Beach Nourishment** (7th St. North – Gamble Rodgers SP)
- ✓ **Hotel Construction**
- ✓ **FDOT Asphalt Resurfacing** (8th St. South – 18th St. North)
- ✓ **Pier Rehabilitation**
- ✓ **FDOT Secant Wall Construction** (~ South near Gamble Rodgers State Park)

Courtesy of Research Gate



PUBLIC OUTREACH DURING CONSTRUCTION



BUILDING STRONG

Social Media



USACE Website



Contractor Updates

U.S. Army Corps of Engineers, Jacksonville District

Vilano Beach Renourishment UPDATE +++++ USACE Jacksonville continues pumping sand on Vilano Beach. See this week's progress map for projected dates per section. Operations will be underway 24 hours a day, seven days a week. The Corps requests that all residents and visitors maintain a sensible distance from active construction sections and exercise caution in and around the Surfside Park staging area to ensure public safety. St. Johns County

Section	Start Date	Completion Date
R-105	8/22/2023	9/08/2023
R-106	9/08/2023	11/02/2023
R-107	11/02/2023	11/02/2023
R-108	11/02/2023	11/02/2023
R-109	11/02/2023	11/02/2023
R-110	11/02/2023	11/02/2023
R-111	11/02/2023	11/02/2023
R-112	11/02/2023	11/02/2023
R-113	11/30/2023	12/11/2023
R-114	12/11/2023	12/11/2023
R-115	12/11/2023	12/15/2023
R-116	12/15/2023	12/29/2023
R-117	12/29/2023	12/29/2023

South Ponte Vedra & Vilano Beaches



THANK YOU!



BUILDING STRONG

Corps of Engineers POC:

Jason Harrah, Senior Project Manager
904-232-1381

Jason.S.Harrah@usace.army.mil

Flagler County POC:

Amy Stroger, Project Manager
386-313-4047

astroger@flaglercounty.gov

City of Flagler Beach POC:

Dale Martin, City Manager
386-517-2000

dmartin@cityofflaglerbeach.com

Trusted Partners Delivering Value Today for a Better Tomorrow