

SARGENT BEACH STABILIZATION CONSTRUCTION PHASE I



Matagorda County, TX
CEPRA Project No. 1709

**WEDA Gulf Coast Chapter
Conference 2023
Galveston, TX
November 8, 2023**

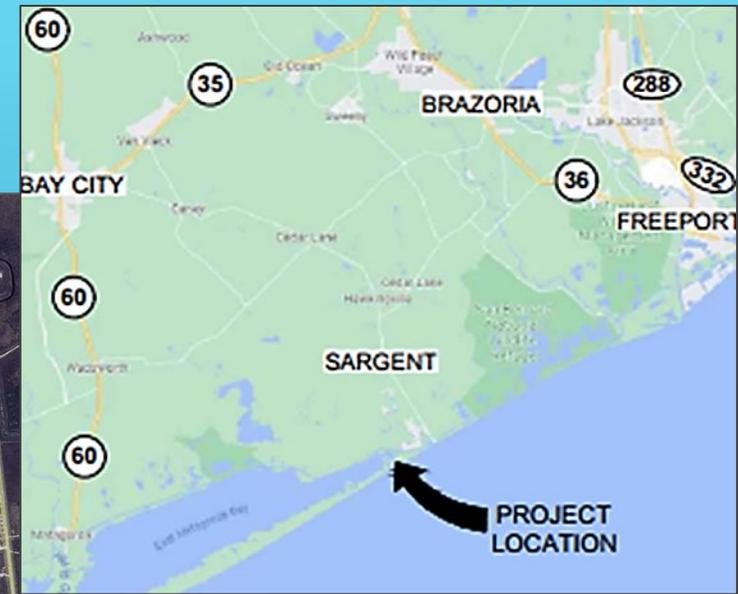
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LOCATION



Sargent, TX
Matagorda County
20 miles southeast of Freeport, TX

Mitchell's Cut to the west
Cedar Lakes Pass to the east



GIWW Threatened

- Third busiest inland waterway
- Supports local, state, and national economy
- If breached, navigation interrupted
- Costly repairs and extensive dredging would be required

Shoreline Retreat

- -32 feet/year due to erosion
- Hydrodynamic impacts (waves/storms)
- Sea level rise



2008



2018



2016



2022



BACKGROUND



Post-Nicolas Photos Courtesy: Constable William 'Bill' Orton



Late 80's

- Federal revetment project installed

2012-2013

- Federal study recommends segmented breakwaters
- Adaptive management approach

2018-2019

- Atkins Numerical Modeling Study
- Considers 14 alternatives

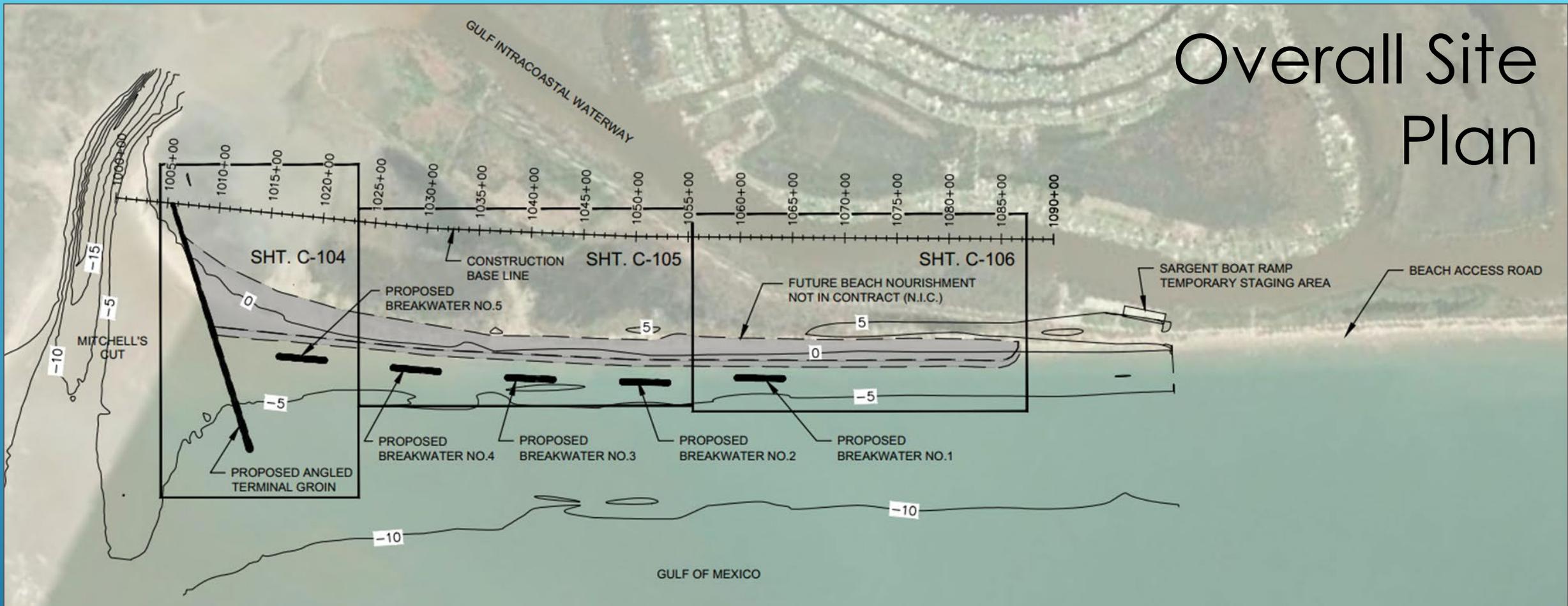
Summer 2020

- Storm season
- Two near misses
- Tropical Storm Beta-direct hit

2020-2022

- PED
- Regulatory permitting
- Final engineering
- Hurricane Nicholas direct hit (CAT 1)

Overall Site Plan



- A Single, Angled Terminal Groin
- 5 Offshore Segmented Breakwaters
- Currently in Procurement Phase
- Pre-construction Conference and NTP Jan 16, 2024
- 6 -8-month Construction Window for Structures
- Partnership with Galveston District for Beach Nourishment Phase
- BUDM from Mouth of Colorado River



Path for Project Success

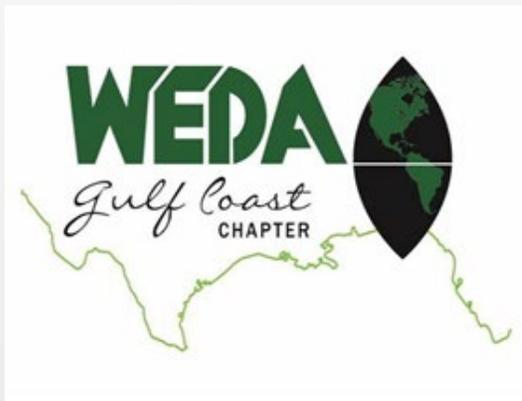
Vision;

Solid, Committed, Partnerships;

Communication & Cooperation;

Patience and Trust

THANK YOU



Rhonda Gregg Hirsch

Project Director
Community Intermodal and Infrastructure

AtkinsRéalis

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