



# Sanibel Causeway Restoration Update

March 14, 2023



## Timeline



**9.28.22**

Hurricane Ian makes landfall as Category 4

**10.5.22**

Emergency Repairs and Design-Build commenced

**10.19.22**

Emergency Repairs Completed

**Summer 2023**

Construction Begins

**Late 2023**

Anticipated Roadway Completion

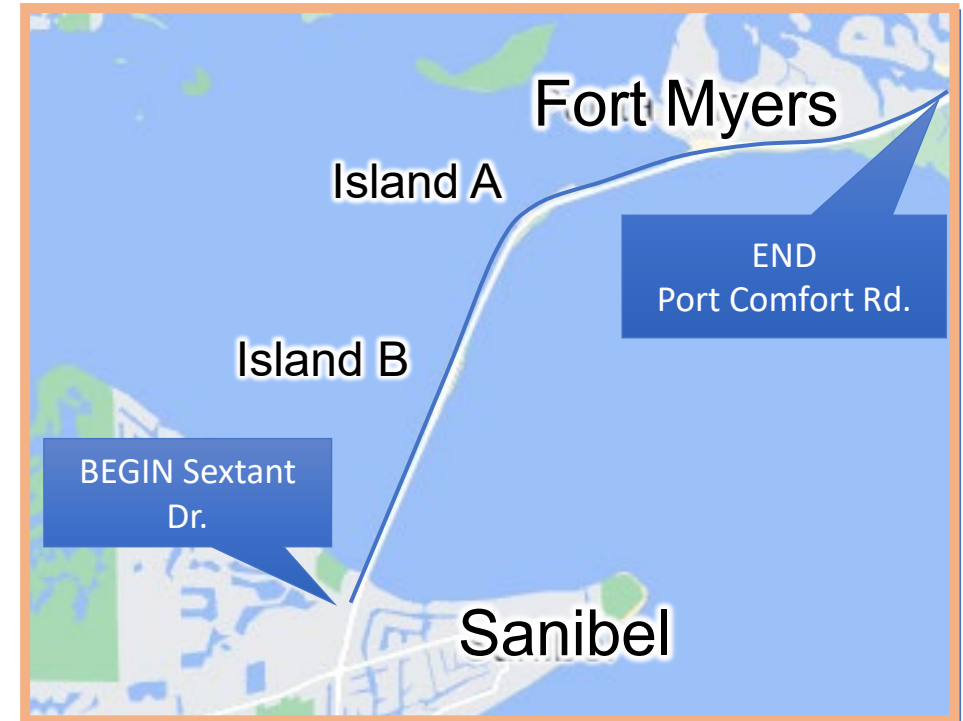
## Lee County Approval – February 2023

In February (last month), Lee County Board of County Commissioners approved proposed resiliency measures and recreational amenities for the Sanibel Causeway.

### Recreational Amenities previously designed (Feb 2022)

- bike lane (on Causeway islands only)
- turn lanes
- designated parking
- other recreational improvements

Roadway improvements are included in these concept plans.

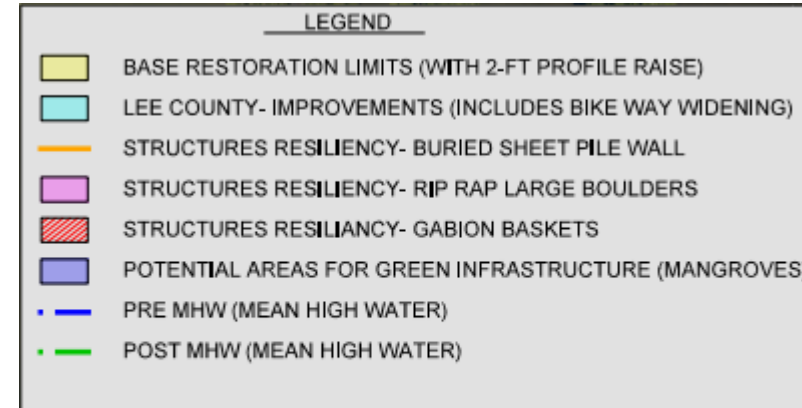
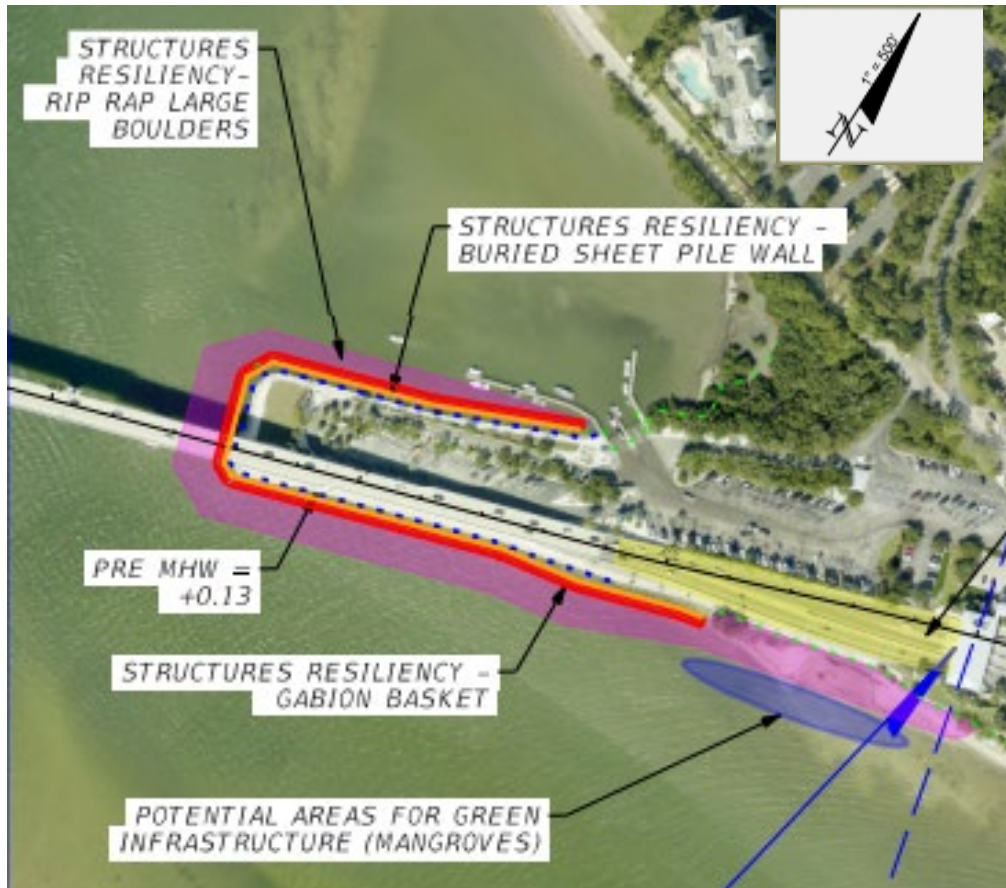


## Causeway Conceptual Design

### For the permanent repairs:

- 2 -foot raised roadway
- Bike lanes on causeway islands
- Structures resiliency (gabion baskets, rip/rap large boulders, sheet pile wall)
- Seagrass/encouraging mangrove growth





Example of Pink Area – Rip Rap

On the Causeway, Rip Rap will reach top of sea wall for added resiliency and to visually shield sheet pile.

## Concept Plans – Boat Ramp Area

**LEGEND**

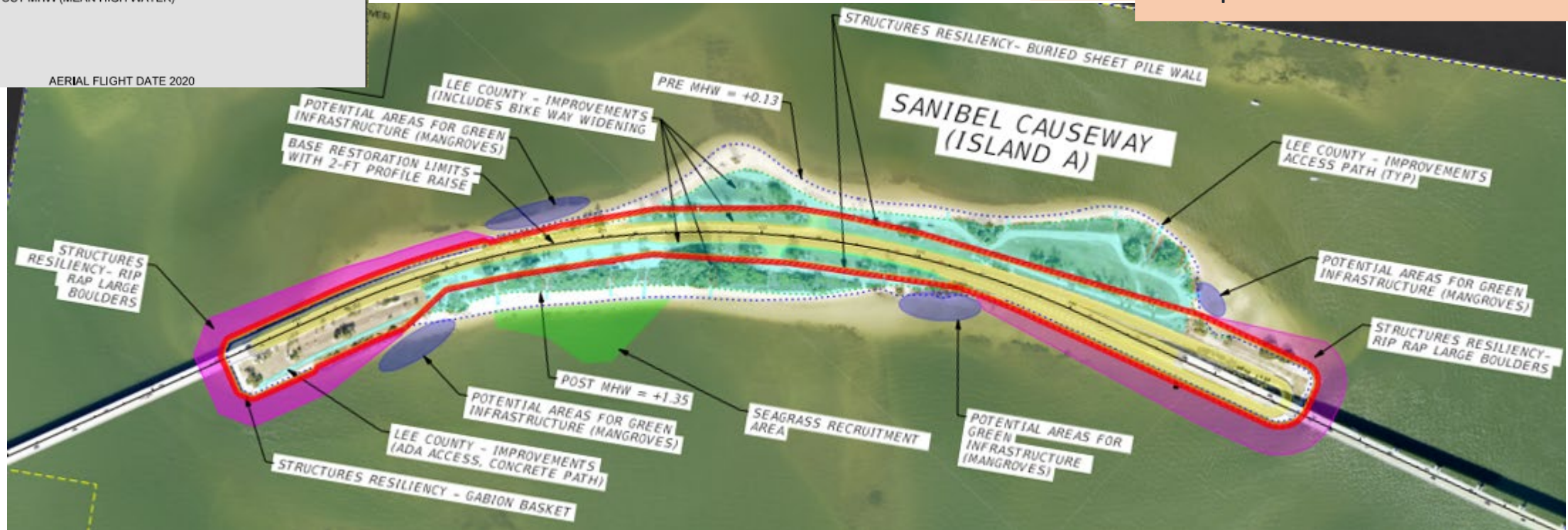
- BASE RESTORATION LIMITS (WITH 2-FT PROFILE RAISE)
- LEE COUNTY- IMPROVEMENTS (INCLUDES BIKE WAY WIDENING)
- STRUCTURES RESILIENCY- BURIED SHEET PILE WALL
- STRUCTURES RESILIENCY- RIP RAP LARGE BOULDERS
- STRUCTURES RESILIENCY- GABION BASKETS
- POTENTIAL AREAS FOR GREEN INFRASTRUCTURE (MANGROVES)
- PRE MHW (MEAN HIGH WATER)
- POST MHW (MEAN HIGH WATER)

AERIAL FLIGHT DATE 2020

On the Causeway, baskets will have material on both sides with sand or asphalt over the top so they are visually shielded.

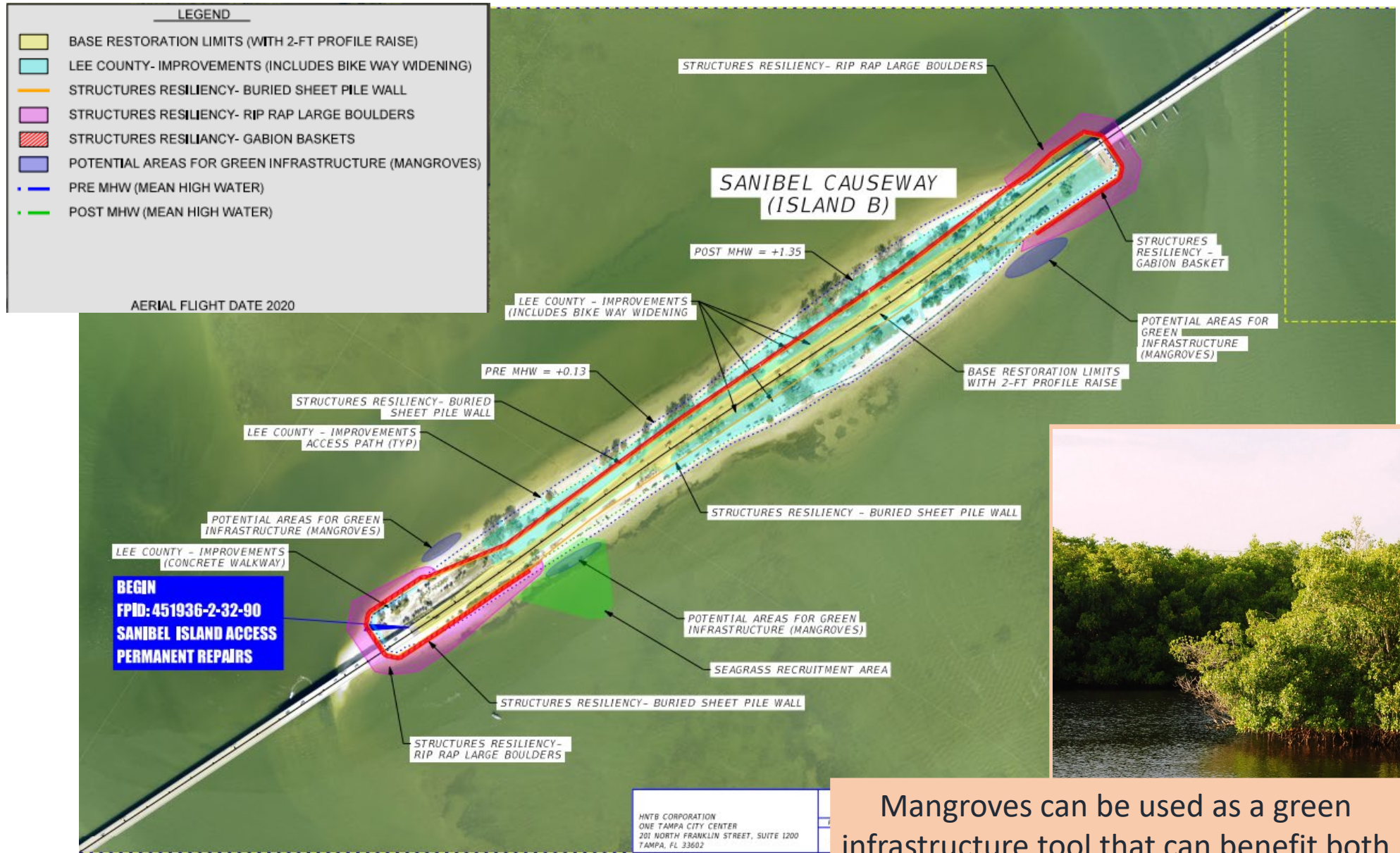


Example of Red Area – Gabion Baskets



## Concept Plans – Island A

# Concept Plans - Island B



Mangroves can be used as a green infrastructure tool that can benefit both wall structure and the natural habitat

## Current Activities

### Construction – currently under emergency permit

- Crews continue work to ‘armor’ the bridge
- Sheet pile installation
- Armor stone installation

### Design (Permanent Repairs)

- Permit plans and application submitted
- Detailed design meetings
- Coordinating with local landscape architects and coastal engineers





## Anticipated Approximate Cost\*

- \$285 M – FHWA is scheduled to reimburse \$239 M
- \$46.1 by Lee County
  - \$5.6 M by Lee County for Recreational Amenities

\* High-level cost estimate prepared following the assessment of all damage.



## Photos

- Before vs After the Storm

# Sanibel Causeway



**Pre-Storm**



**Post Storm**



## Punta Rassa Boat Ramp



**Pre-Storm**



**Post Storm**

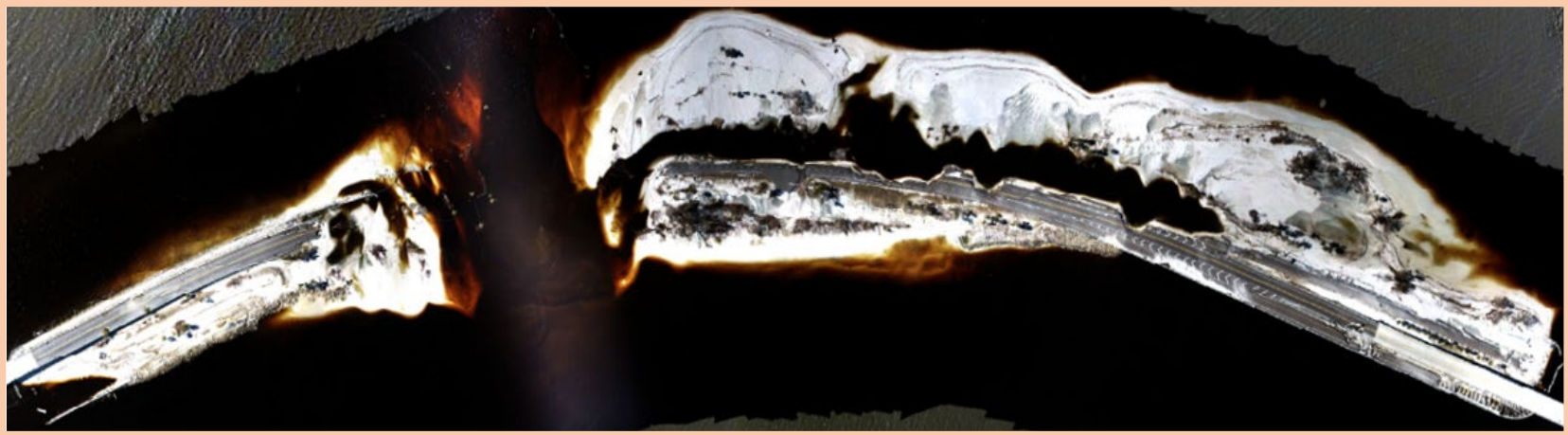
# Sanibel Causeway



Island A



Pre-Storm



Post Storm

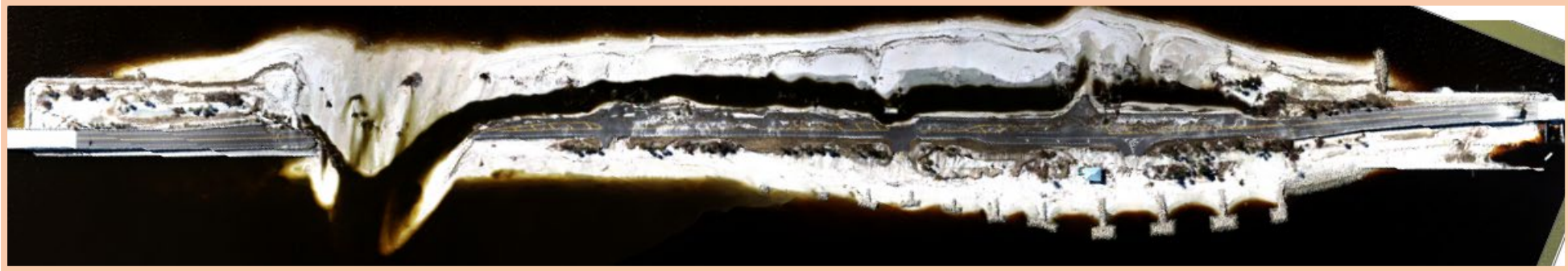
# Sanibel Causeway



**Pre-Storm**



**Post Storm**



Island B

## Photos

- October 19, 2022 vs. March 8, 2023

# Sanibel Causeway



Punta Rassa/Toll  
Booth Area  
October 19, 2022



# Sanibel Causeway



**Punta Rassa/Toll  
Booth Area  
March 8, 2023**

# Sanibel Causeway



Span A/Toll Booth Area, March 8, 2023



## Punta Rassa Boat Ramp Area

- Moving rock material from boat ramp area to barges for distribution along the project

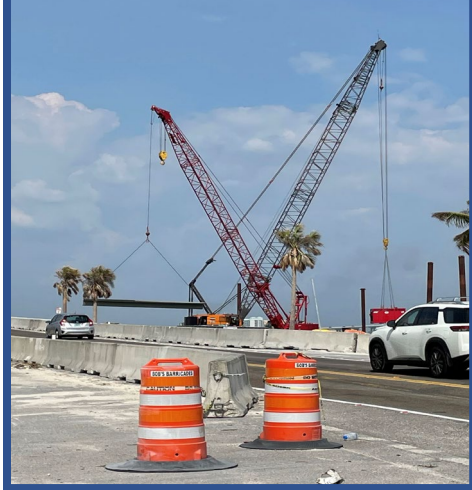
# Sanibel Causeway



Island A  
October 19, 2022



# Sanibel Causeway



## Island A March 8, 2023

- Moving metal wall sheet material from trucks to barges for distribution to final placement

# Sanibel Causeway



- Material is being stored and distributed

**Island A  
March 8, 2023**



[www.SWFLRoads.com/SanibelCauseway](http://www.SWFLRoads.com/SanibelCauseway)

