

# City Council Update

## Historic Sanibel Lighthouse Post Hurricane Ian Emergency Protection Project



**City Council—February 4, 2025**



**Holly Milbrandt**  
City of Sanibel  
Natural Resources Director

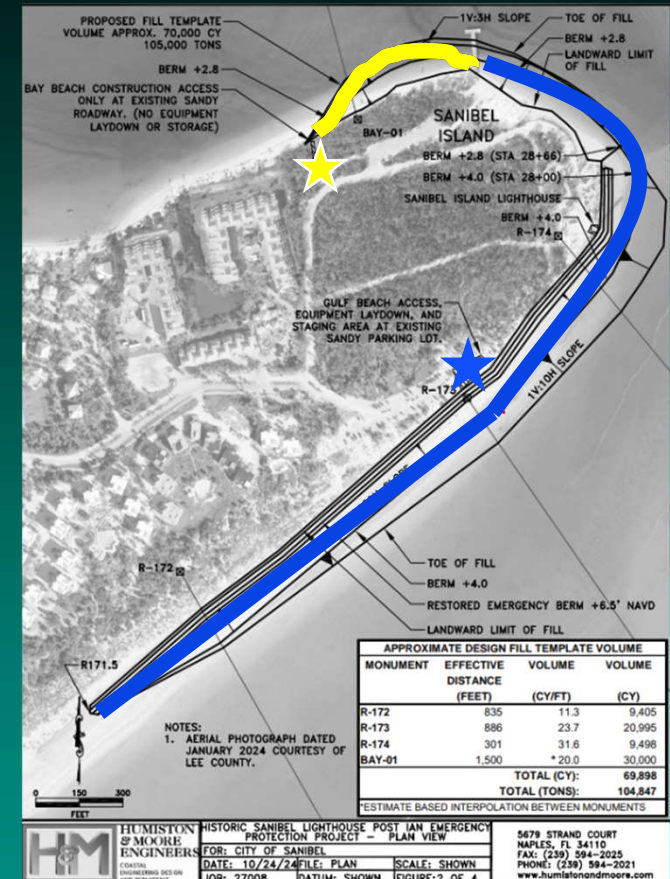
**Brett Moore**  
Humiston & Moore Engineers  
Project Engineer



# Sanibel Lighthouse Protection Project

## Phase II: November 2024-January 2025

- **Total volume: ~119,000 tons**
- **Additional cost: ~\$6.3 million**
- **Fill Template:**
  - R-171.5 to the Sanibel Fishing Pier
  - Fishing Pier west to park boundary
- **Permitting**
  - FDEP and USACE emergency permits in place for work between R171.5 and Sanibel Fishing Pier
  - **15-year FDEP JCP: Issued 11/19/24**
  - **15-year USACE permit: Issued 12/6/24**



## ★ Phase 1--Gulf Beach Parking Lot Access

- **COMPLETE-December 20,2024**
- **24 workdays, ~96,572 tons**
- **Plus an additional ~7,120 tons landward of the Lighthouse**

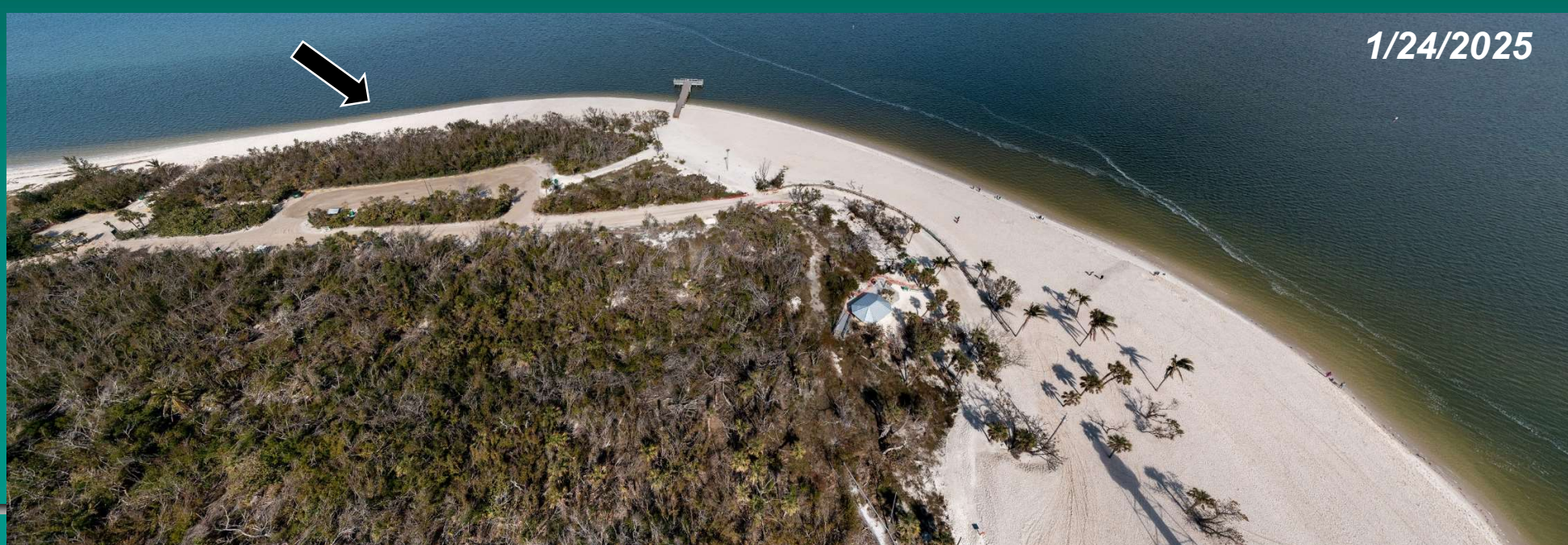
## ★ Phase 2--Bay Beach Parking Lot Access

- **COMPLETE-January 14, 2025**
- **7 workdays, ~15,000 tons**











# Project Complete



Sanibel Captiva Conservation Foundation

1/27/2025



# Beach Gully Repair

*Approx. 23 major gullies + 2 shore-parallel depressions*  
*Fill volume: ~42,000 tons; Cost \$2,024,788*

*Phase 1—Donax Beach Access/Lighthouse Beach Park  
Bay Beach Parking Lots (Truck staging)*

- **COMPLETE**
- 9 workdays, ~21,000 tons

*Phase 2—3345 West Gulf Dr (West Wind Inn)*

- **NEARLY COMPLETE**
- 7+ workdays, ~5,000 tons



12/19/2024



# Beach Gully Repair





# Additional Beach Recovery Actions

*Full annual beach survey (funded by Lee County TDC)*

- *Feb-March 2025*
- *Document needs for additional state/federal funding*
- *Adjust dune planting plans prepared in summer 2024*
- *Consent agenda item (2/4/25)*

*Lighthouse Beach Park Dune Planting*

- *February 2025*
- *28,000 native dune species*
- *Plants: \$38,000    Labor: \$29,000*





# Clam Bayou

- *Ongoing evaluation of alternatives*
- *Permitting; sand recovery & placement*
  - *DEP 15-year JCP submitted 12/6/2024*
  - *USACE Emergency Permit (Hurricanes Helene & Milton) submitted 12/6/2024*
- *Significant shoreline changes during January 2025*





# Grant Funding & Project Costs

	Emergency Berm/Beach Recovery		Sanibel Lighthouse Protection		Clam Bayou	Post Milton Gullies	Total	Funding	
	FEMA Eligible	Non FEMA	Phase 1	Phase 2				Allocated	Remaining
Sand Placement	\$ 10,336,753		\$ 910,585	\$ 5,143,355		\$ 1,679,128	\$ 18,069,821		
Sand Purchase	\$ 3,204,724		\$ 184,518	\$ 1,107,264		\$ 345,660	\$ 4,842,167		
Design/Engineering	\$ 344,939	\$ 66,611		\$ 34,708			\$ 446,258		
Monitoring	\$ 15,236	\$ 156,970					\$ 172,206		
Fencing	\$ 2,195	\$ 459					\$ 2,654		
Sand Recovery					\$ 51,437		\$ 51,437		
<b>TOTAL</b>	<b>\$ 13,903,848</b>	<b>\$ 224,040</b>	<b>\$ 1,095,103</b>	<b>\$ 6,285,327</b>	<b>\$ 51,437</b>	<b>\$ 2,024,788</b>	<b>\$ 23,584,542</b>		
FEMA	\$ 5,311,270						\$ 5,311,270	\$ 10,222,954	\$ -
FDEP	\$ 8,592,578	\$ 224,040	\$ 1,095,103	\$ 6,285,327	\$ 51,437	\$ 2,024,788	\$ 18,273,273	\$ 26,973,000	\$ 8,699,728

***Potential Additional Work: Dune plantings, sand placement (Clam Bayou, North Sanibel)***

***Potential for Additional Funding: DEP Hurricane Helene & Milton Recovery Funds, Hurricane Milton FEMA Category B***



# Project Team

- ✓ *Humiston & Moore Engineers  
Naples, FL*
- ✓ *Eastman Aggregates, Inc Lake  
Worth, FL*
- ✓ *Vulcan Materials  
Witherspoon Mine,  
Moore Haven, FL*
- ✓ *Oceanside Solutions  
Satellite Beach, FL*
- ✓ *Earth Tech Enterprises  
Fort Myers, FL*
- ✓ *City of Sanibel: City Council,  
Natural Resources, Finance,  
Public Works, Legal, Police,  
Admin, PIO, IT*



- ✓ *Partners-SCCF, USFWS “Ding”  
Darling, FDOT, Sanibel Fire, San-  
Cap Chamber*
- ✓ *Gulf-front property owners*
- ✓ *Sanibel Community*