

FIRE ISLAND INLET TO MONTAUK POINT, NY

PROJECT UPDATE

New York District

US Army Corps of Engineers

June 2023



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OVERVIEW



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The Fire Island Inlet to Montauk Point, NY (FIMP) Reformulation Study was completed in July 2020.

- Authorized for construction in December 2020, in WRDA 2020
- Design and construction now underway

Funds are available from the Hurricane Sandy Disaster Relief Appropriations Act of 2013, which provides 100% Federal funding for initial construction of the project.

A Project Partnership Agreement (PPA) was entered into between the Corps and non-federal sponsor, State of New York, in August 2021. The State executed similar agreements with Suffolk County and five towns (Babylon, Islip, Brookhaven, Southampton, East Hampton).

The current PPA covers the initial construction phase of FIMP. The continued construction of FIMP, over 50 years, (with 30 years of renourishment) will be covered in a separate agreement with 50/50 cost-sharing.

Construction began in September 2021 under Contract 1, which included dredging of Fire Island Inlet, and placement of sand on adjacent beaches. Contract 2, included dredging Moriches and Shinnecock Inlets, was recently completed April 2023.

The following slides provide an overview of the project; for additional details please go to the FIMP website, www.nan.usace.army.mil/FIMP

FIMP PROJECT AREA



- **Purpose:** To reduce storm damage while maintaining or enhancing natural resources.
- **Scope:** 83 miles of ocean shoreline, 220 miles of bay shoreline, 3 Federal navigation inlets functioning as an interconnected system of ocean shoreline, inlets and estuaries



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ONGOING STRUCTURAL & NONSTRUCTURAL EFFORTS

STRUCTURAL (S)

- Dredging Fire Island Inlet and Shoals with Sand Placement on Gilgo Beach and Robert Moses State Park (app. 1.5M CYDS)
- Dredging Moriches & Shinnecock Inlets and Shoals with CPF Sand Placement (App. 350KCYDS)
- Dredging Offshore Borrow Sites and Sand Placement (Tiana and Montauk Beaches)
- Dredging Offshore Borrow Sites and Sand Placement (Westhampton Beach)
- Groin Modification at Ocean Beach – Remove Groins after Well Relocation is functional
- Initial Coastal Process Features when Renourished

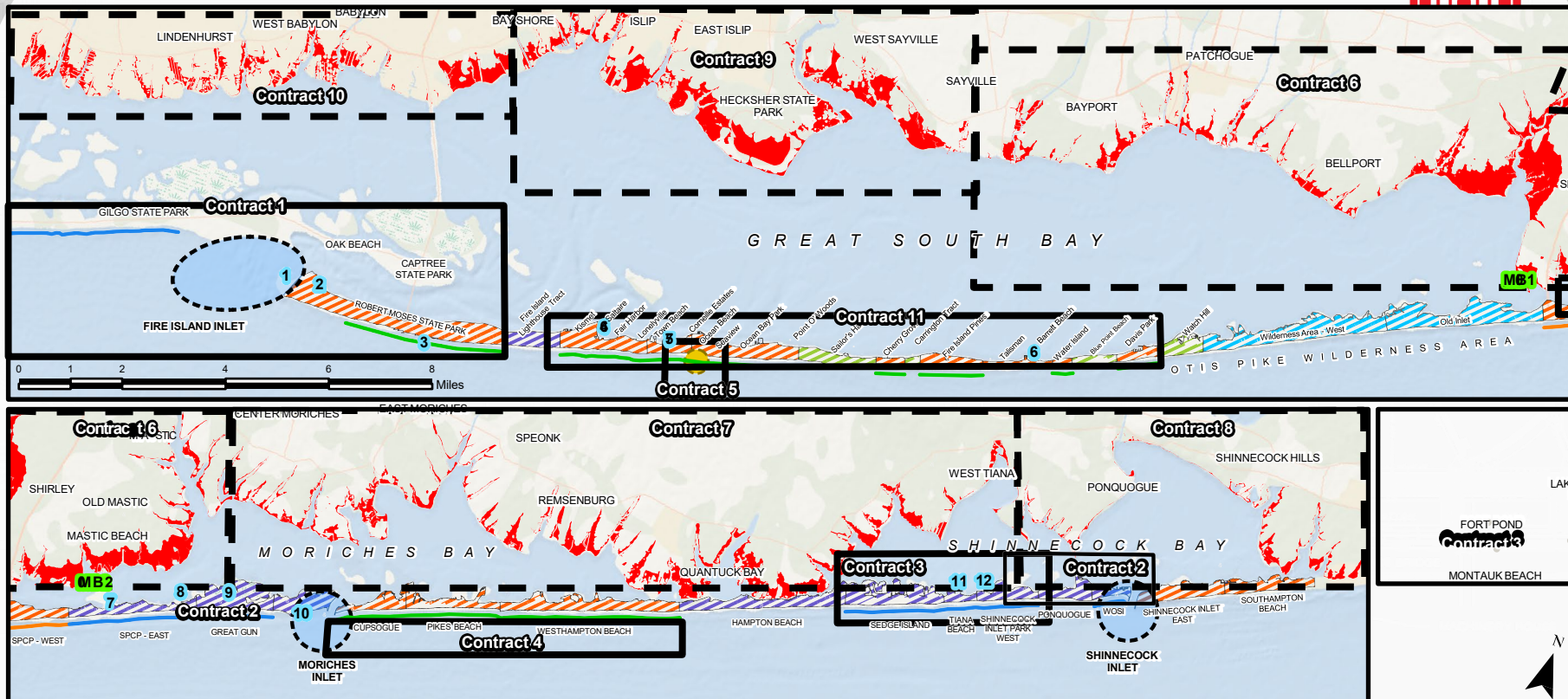
NONSTRUCTURAL (NS)

- Year 1 - Non-Structural Measures – Data collection
- Year 3 - Non-Structural Measures – Pilot Program
- Years 4 – 6 Continue Non-Structural Measures

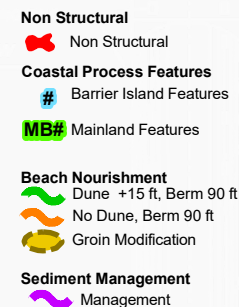
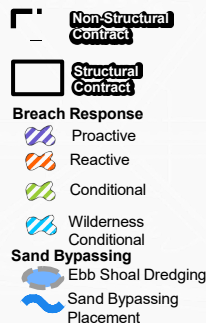
MAMP/ADAPTIVE MANAGEMENT TEAM

- ONGOING – BIANNUAL MEETINGS CONTINUE





Contract Number	Description	Timeline
Contract 1	Dredging Fire Island Inlet and shoals with sand placement on Gilgo Beach and Robert Moses State Park	Fall 2021
Contract 2	Dredging Moriches & Shinnecock Inlets and shoals with CPF sand placement	Award Sep 2022
Contract 3	Dredging at offshore borrow sites and sand placement	Award 2025
Contract 4	Dredging at offshore borrow sites and sand placement	Award 2024
Contract 5	Groin Modification at Ocean Beach	FY24
Contract 6	Year 1 – Non-Structural measures	FY25
Contract 7	Year 2 – Non-Structural measures (1,000 structures)	TBD
Contract 8	Year 3 – Non-Structural measures (1,250 structures)	TBD
Contract 9	Year 4 – Non-Structural measures (1,250 structures)	TBD
Contract 10	Year 5 – Non-Structural measures (432 structures)	TBD
Contract 11	Initial Coastal Process Features when renourished (4,5,6)	TBD



Service Layer Credits: World Ocean Base: Esri, DeLorme, Navteq

FIRE ISLAND TO MONTAUK POINT
Scale - 1:120,000

**Contract Extents,
CPFs, Inlets, Shoals,
Groins, and
Design Measures**

Map



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**FIMP TOTAL FIRST COST ESTIMATE
(FY20 PRICE LEVEL)**



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First Cost – \$1,541,981,000 (100% Federal)

Fully Funded Cost - \$1,759,459,000 (100% Federal)

NON-FED O&M Costs - \$677,000

LERRDs - \$153,277,000*

*Responsibility of Non-Fed Sponsor and reimbursable by Federal Funds after review of costs.



Near Term Path Forward

- **Contract 3 (Dredging at offshore borrow sites and sand placement)**
 - ▶ **Awarded: June 2025**
 - ▶ **Construction Start: Nov 2025**

- **Contract 4 (Dredging at offshore borrow sites and sand placement)**
 - ▶ **Award: Aug 2024**
 - ▶ **Construction Start: Nov 2024**

NONSTRUCTURAL EFFORTS

PLAN FEATURES

Feasibility-level plan includes 4,432 structures within the 10 year floodplain

- Elevation: 3,675 structures
- Floodproofing: 650 structures
- Acquisition: 14 structures
- Ringwalls*: 93 structures

** structural measure, but included in nonstructural analysis and summary*

IMPLEMENTATION PROCESS

CONFIRM → IDENTIFY → DESIGN → CONSTRUCT

CURRENT WORK

- Leveraging national USACE and non-USACE experts
- Phase I Data Collection: Verifying structures included in plan
 - Coordinating with state and local government for datasets
 - Virtual (Google Earth) survey and on-site

UPCOMING WORK

- Phase 2 Data Collection: Individual structure assessments
- Developing Pilot Program for selected communities
 - Mastic Beach (Brookhaven) & Frederick shores (Babylon)
 - Specific details still being worked out, prior to outreach
 - including Real Estate Process
 - temporary lodging (WRDA 22 considerations)



DISTRIBUTION OF NON-STRUCTURAL

Town	Structures	% Structures
Babylon	1,523	34%
Islip	942	21%
Brookhaven	1,249	28%
Southampton	704	16%
Total	4,418	

Based on GRR data set, additional updates being prepared during PED phase



THANK YOU.

