

An aerial photograph of Oakwood Beach, New Jersey. The image shows a wide, sandy beach area with a large white building and a yellow excavator near the water's edge. The beach is bordered by a line of trees and a residential area. The water is dark and calm. The sky is clear and blue.

Oakwood Beach
Salem County, New Jersey

Beach Nourishment
FY23 Contract

Public Meeting
November 13, 2023

Open Public Meetings Act

- The open public meetings act took effect on January 19th 1976. Advance notice of this meeting was provided by notifying the South Jersey Times and Elmer Times within the time prescribed by law. Notice was also posted on the bulletin board at the Municipal Building
- Please stand for the flag salute

Project History

- Feasibility Study Initiated May 1996
- Completed as Partnership Between NJDEP and Federal Government
 - Army Corps of Engineers Serves as Lead Agency
- Cost of Study Covered Under Feasibility Cost Sharing Agreement Between NJ and Fed
- Study Focused on Beach Erosion Which Left Town Vulnerable to Storm Damages
- Evaluated Alternative Plans for Storm Damage Reduction
- 169 Page Feasibility Study Completed May 1999
- Authorized by Congress as Part of Water Resources Development Act (WRDA) August 1999

Feasibility Findings

- Significant Erosion Regularly Occurring
- Increase in Flooding and Storm Damage
- Recommendations
 - Provide Shore Protection Measures to Reduce Erosion
 - 50 Foot Wide Berm
 - Project Length of 9,500 Feet (Entire Beachfront-Slope-Point)
 - Suitable Beachfill with Periodic Nourishment
 - Every 8 Years for 50 Years

Post Study

- No Federal Funding Available
 - Various Applications Completed
- Funding Projects With Higher Cost/Benefit Ratios
- Included on 2011 Project De-authorization List
 - Meaning no project funding had been provided for previous five years
- February 2012 Funds Reprogrammed to Conduct Project Development
 - Since Funding Obligated Project Not De-authorized

FEMA Report-Post Sandy

- Hurricane Sandy Occurred October 27th-30th 2012
- Disaster Relief Appropriations Act
 - Introduced January 4, 2013
 - Signed by President January 29, 2013
 - Authorized \$60 Billion in Disaster Relief
 - Act Required Army Corps to Provide Congress Two Reports
- First Report (3/11/13)
 - Focused on Completion of Ongoing Construction
- Second Report (5/30/13)
 - Focused on Reducing Flooding and Storm Damage Risks
- Project Determined to be Eligible for Disaster Relief Appropriations Act
 - Project Previously Authorized but Unconstructed

Summary

- Feasibility Study-1996
- Project Plan and Authorization- 1999
- Federal Funding Appropriated-2013
- Initial Project Completed-2014-2015
- Funding Available for Renourishment-2022
- Cost of Project Too Expensive
 - Several Resident Suggestions Investigated
 - Industry Day



The State of New Jersey's Shore Protection Program



**State of New Jersey
Phil Murphy, Governor**

**Dept. of Environmental Protection
Shawn LaTourette, Commissioner**

**Watershed & Land Management
Katrina Angarone, Assistant Commissioner**

**Division of Resilience Engineering and Construction
Dennis Reinknecht, CPM, Director**



CONTRACT DETAILS



- Contractor: Agate Construction Co., Inc.
- Award Date: 30 Sep 2023
- Cost:
 - Base - \$2,648,463 (awarded)
 - Options - \$432,500 (not yet awarded)
- Notice to Proceed (NTP): 18 Oct 2023
- Duration: 120 Calendar Days from NTP
- Scope of Work: Beachfill, Sand Fence, Clearing and Grubbing, Paving



CONTRACT DETAILS (CONT.)



- Beachfill Quantity:
 - Base – 57,750 Tons (approx. 35,000 CY)
 - Options – 17,300 Tons (approx. 10,500 CY)
- Allowable Environmental Work Window: 1 July to 1 March
- Allowable Work Hours:
 - Daylight Hours
 - 5 Days per Week (Monday through Friday, except Federal Holidays)



TENTATIVE SCHEDULE



- **November 2023:**
 - Pre-Construction Surveys
 - Mobilization
 - Begin Clearing and Grubbing
- **December 2023:**
 - Complete Clearing and Grubbing
- **January 2024:**
 - Begin Beachfill Operations
- **February 2024:**
 - Complete Beachfill Operations
 - Restore PSEG Lot
 - Paving



Delaware River

Oakwood Beach

Salem River

SINICKSON LANDING RD

SCHRIER AVE

SLAPE AVE

COUNTRY CLUB RD

SALEM FORT ELFSBORG RD

BENDER DR

RIVERVIEW DR

DELAWARE AVE

LOCUST AVE

YERKES LN

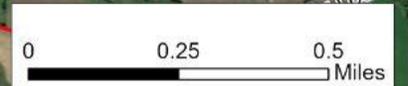
SHAD ROE LN

RIVER LN

FEATHERBED LN

Beach Access Point (via PSEG Parking Area)

— Truck Routes
||| Beach Fill Areas



FORT POINT RD

HANCOCKS BRIDGE FORT E RD

MURRY



EQUIPMENT AND OPERATIONS



- Clearing and Grubbing:
 - Rakes
 - Loaders
 - Chippers
- Beachfill:
 - 1 Excavator
 - 2 Dump trucks
 - 1 Dozer
- Sand Delivery:
 - Tri-axle dump trucks
 - Approx. 2,300 total truck loads, average of 75 per day
- Paving
 - Milling machine
 - Rollers
 - Dump trucks

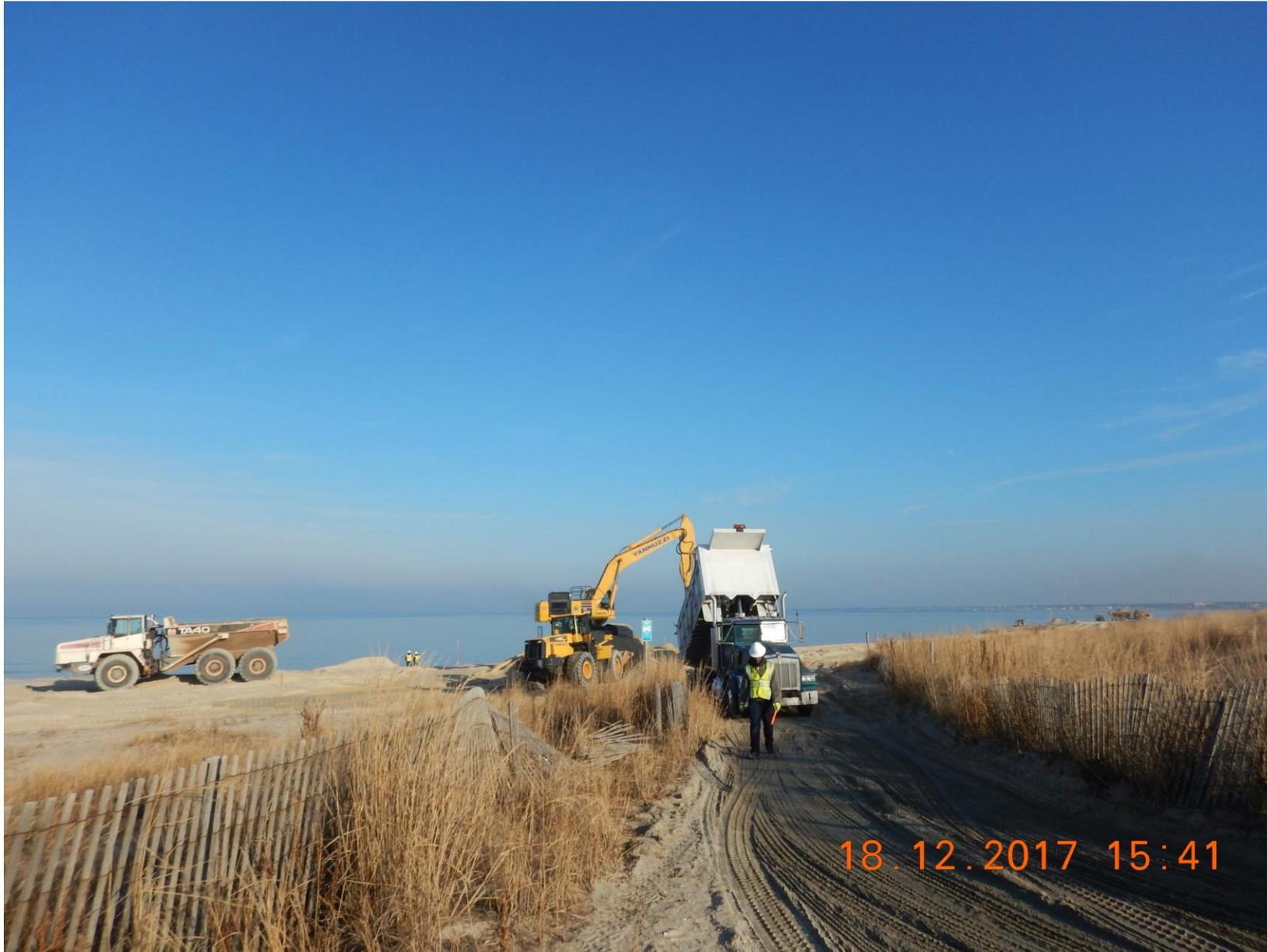


TRUCKFILL EQUIPMENT & OPERATIONS





TRUCKFILL EQUIPMENT & OPERATIONS (CONT.)





TRUCKFILL EQUIPMENT & OPERATIONS (CONT.)





TRUCKFILL EQUIPMENT & OPERATIONS (CONT.)





TRUCKFILL EQUIPMENT & OPERATIONS (CONT.)





QUESTIONS?

Contact Info:
Steve Rochette

Stephen.Rochette@usace.army.mil

(contact for any public queries regarding the project)