Bureau of Coastal Engineering

Purpose...

To administer beach nourishment, shore protection and navigational dredging projects throughout the State to:

• Provide for the protection of life and property along the coast

• Preserve our State’s vital coastal resources

• Maintain safe and navigable waterways
Shore Protection Fund
Dedicated for...

“To protect existing development and infrastructure from storm surges, sea-level rise and shoreline migration through dune creation and maintenance, beach nourishment projects, and construction and repair of shore protection structures.”

$25 million dedicated annually
Realty Transfer Tax (N.J.S.A. C.13:19-16.1)
Shore Protection Funding
How It’s Divided

Federal Projects - NJDEP - local sponsor in these projects

• Studies
• Storm Damage Reduction/Shore Protection
• Environmental Restoration

State Projects - Municipalities - local sponsor in these projects

• Storm Damage Reduction/Shore Protection

Professional and Technical Services -

• Stevens Institute of Technology
• Richard Stockton College of New Jersey
• Division of Fish and Wildlife
• New Jersey Geological Survey
Shore Protection Construction
Cost Share Structure

Shore Protection Project

FEDERAL

65%
Federal

35%
State/Local

STATE

75%
State

25%
Local

Local

75%
State

25%
Local
ENLOW PLACE BULKHEAD - Phase II
2009 Project Specifications

• **Sheet Pile Bulkhead**
  – 600 Linear Feet
  – 25’ PZ-22 Coal Tar Epoxy Coated Steel Sheeting

• **Stone Revetment**
  – 3’ Top; 9’ Toe
  – 6 – 9 Ton Cap Stone
  – Filter Fabric Underlayer and Core Bedding Stone

• **Public Access Walkways**
  – Dunn Lane – 5’
  – Ferry Road – 8’
ENLOW PLACE BULKHEAD - Phase II
Construction Equipment
Phase I
Constructed in 2003

Viewing South
Low Tide

Viewing North
Half Tide

New Jersey Dept. Environmental Protection
Bureau of Coastal Engineering
Shore Protection Program
Phase II
Viewing North

Top View

Bayside View

New Jersey Dept. Environmental Protection
Bureau of Coastal Engineering
Shore Protection Program
• **Contract Amount:** $1,398,500.00

• **Cost Share:**
  - 75% State = $1,048,875.00
  - 25% Municipality = $349,625.00
• **Bid Opening:** April 15, 2009
  - **Award:** Albert Marine Construction, Inc.
  - **Amount:** $1,398,500.00

• **Estimate Construction Start:** July 6, 2009

• **Proposed Construction End Date:** November 4, 2009
ENLOW PLACE BULKHEAD - Phase II
Contractor Contact Information

• Albert Marine Construction, Inc.
  – 308 South Main Street
  – Forked River, NJ 08731
    • Phone: (609) 693-5524
    • Email: albertmarine1@aol.com
  – Owner – Bob Albert
  – Superintendent – Ted Faxon