New Jersey Shore Protection
Red Bank

Marine Park Bulkhead Repair and Park Upgrades Along the Navesink River

New Jersey Dept. of Environmental Protection
Office of Engineering & Construction
Bureau of Coastal Engineering
Benjamin Keiser, Manager

Borough of Red Bank
Monmouth County, New Jersey
Pasquale Menna, Mayor
New Jersey’s
Shore Protection Program

State of New Jersey
Jon S. Corzine, Governor

Dept. of Environmental Protection
Mark N. Mauriello, Acting Commissioner

Natural & Historic Resources
Amy Cradic, Assistant Commissioner

Office of Engineering & Construction
David Rosenblatt, Administrator
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

New Jersey Dept. Environmental Protection
Bureau of Coastal Engineering
Shore Protection Program
State/ Municipal Shore Protection Projects

Bureau provides qualified towns with:

- Provide 75% share of construction funding
- Completes and submits state and federal permit applications applicable to the scope of the project, including but not limited to:
  - CAFRA,
  - Waterfront Development,
  - Water Quality Certificate, and
  - Department of Army
- Conducts and oversees bidding process
- Conducts and oversees contract administration
- Monitors quality control and oversees operations throughout the construction process
State/ Municipal Shore Protection Projects

Municipal requirements once selected for shore protection funds from the Bureau

• Provide Design Plans and Project Specifications
• Provide signed State-Aid Agreement
  • Obtains Public Access and Construction Perpetual Easements
  • Project Maintenance activities in accordance with Coastal Zone Management Rules and applicable Permits from the Department and the Army Corps of Engineers
• Provide 25% share of construction funding
Existing Conditions
- Marine Park Water Front
- In Front of Existing Timber Bulkhead
• J. Fletcher Creamer & Son, Inc.
  - Headquarters in Hackensack, NJ
  - Branch Office in Linden, NJ
  - Since 1923
Work To Be Done

Under Waterfront Development Permit (issued by NJ DEP-DLUR) and Nationwide Permits #3 & #28 (issued by USACE for Maintenance & Modifications to Existing Marinas).

- 1050 Linear Feet of 24 ft Minimum Length PZ-22 Steel Bulkhead
- New Sidewalk
- Re-Decking Pier
- New Mooring System
- Floating Docks
- Marina Upgrades
  - Water and Electric
Financial

- Total cost of Project is $3,361,170.00
- Municipal Betterments: $427,275.00
- Total Amount Cost Shared: $2,933,895.00
  - 75% State = $2,200,421.25
  - 25% Municipality = $733,473.75
- Total Municipal Costs: $1,160,748.75
Schedule

• 240 Day contract time
• Contracts received on or about July 6, 2009
• Begin construction end of July
• End construction in February 2010
What To Expect

• Waterfront and Parking Lot will be fenced off
  – Provide public safety and adequate staging
• 8 ½ hour operation with continuous State inspection
• Structure Monitoring
  – Contractor will set up vibration monitors adjacent to structures
New Jersey Department of Environmental Protection

Shore Protection Program

www.nj.gov/dep/shoreprotection