

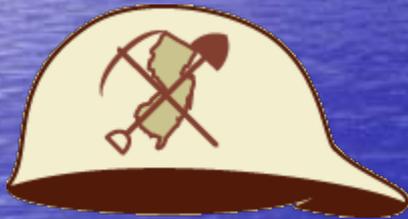


New Jersey Shore Protection



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

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

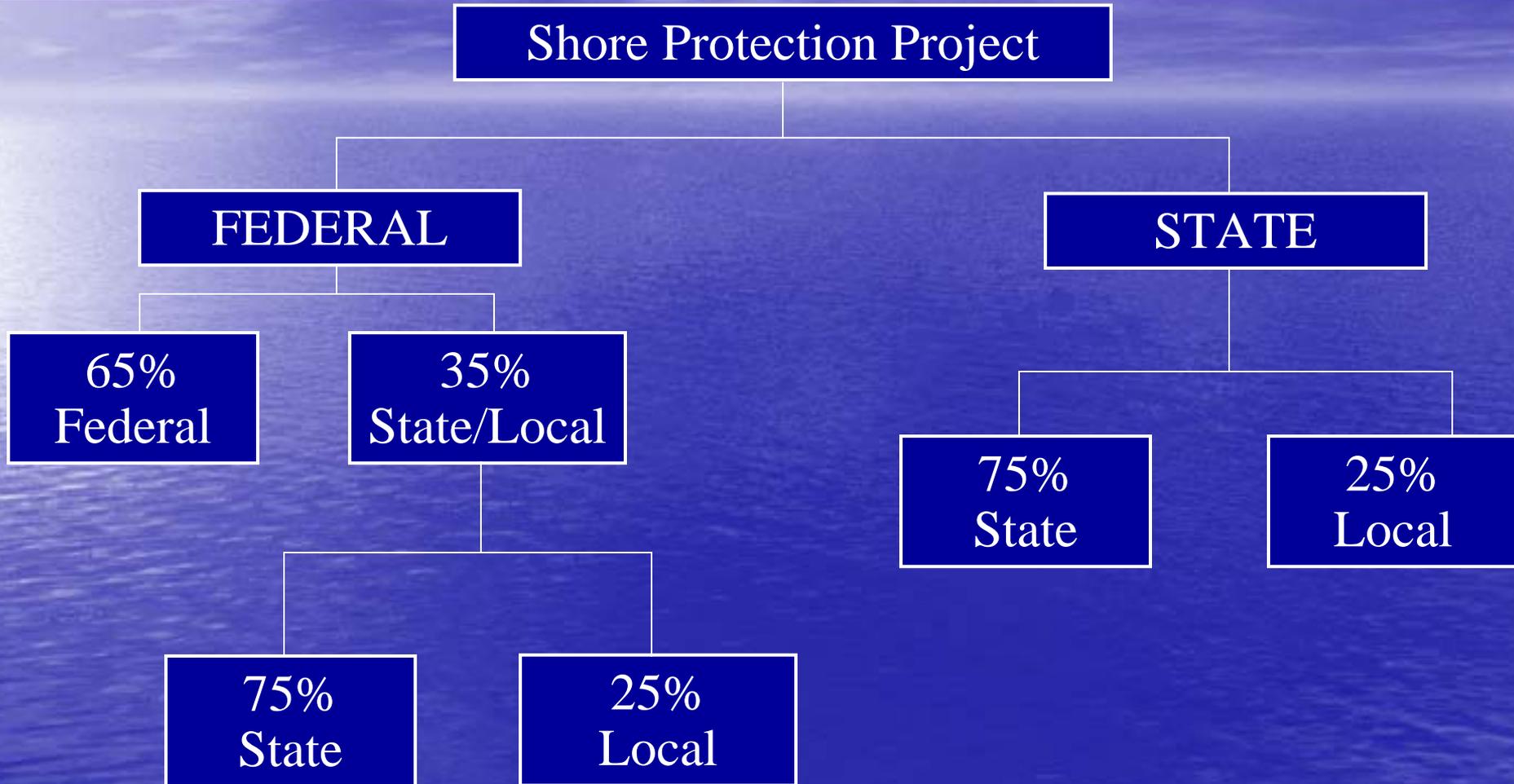
- Storm Damage Reduction/Shore Protection

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



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**





Marine Park Bulkhead Red Bank, NJ



Bureau of Coastal Engineering
New Jersey Dept. of Environmental Protection
Office of Engineering & Construction



Existing Conditions





Existing Conditions





Location

- Marine Park Water Front
- In Front of Existing Timber Bulkhead





CONTRACTOR



- **J. Fletcher Creamer & Son, Inc.**
 - Headquarters in Hackensack, NJ
 - Branch Office in Linden, NJ
 - Since 1923



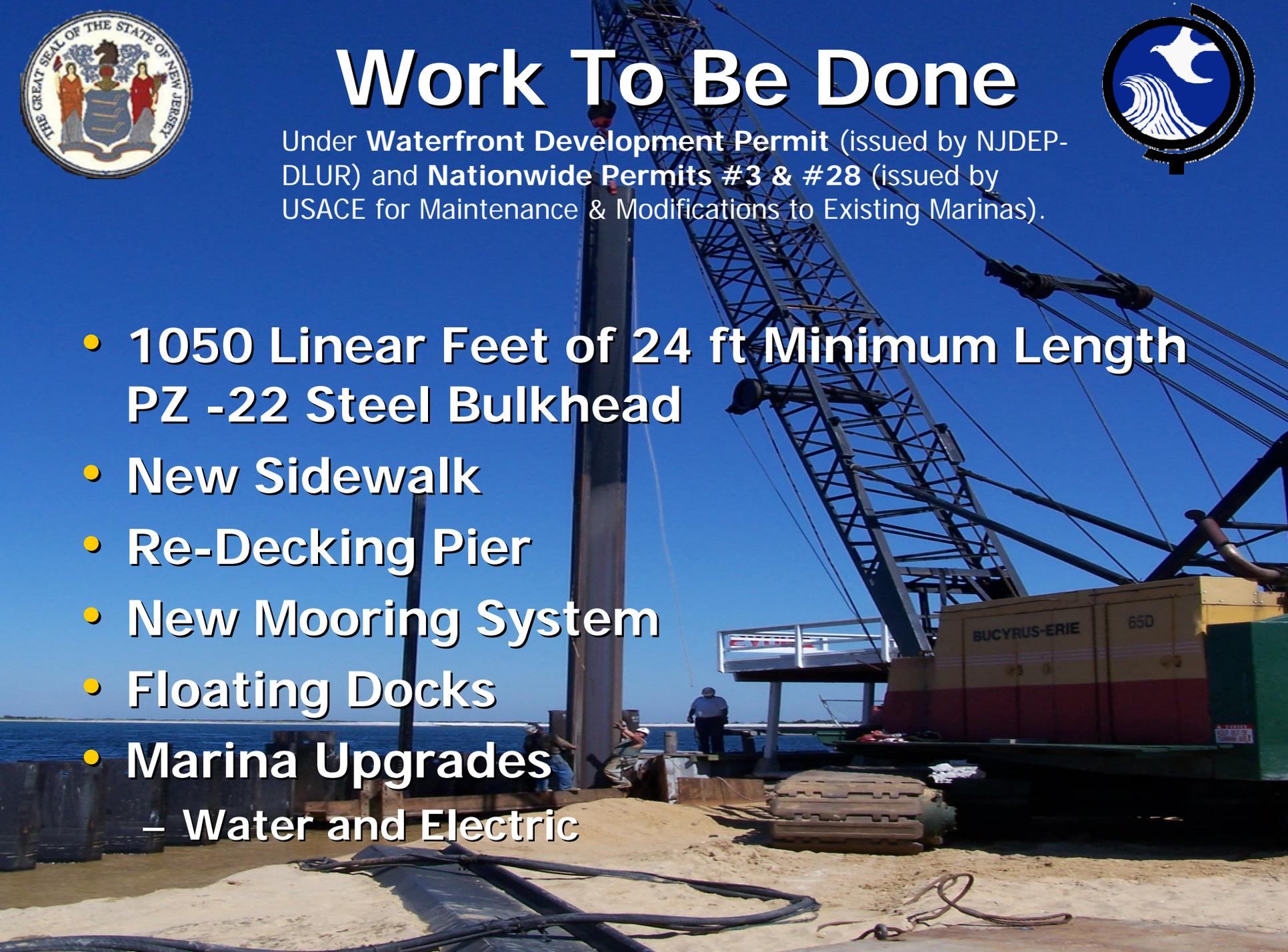


Work To Be Done



Under Waterfront Development Permit (issued by NJDEP-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