



New Jersey Shore Protection



SEAWALL REPAIR PROJECT BOROUGH OF MONMOUTH BEACH



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

**Borough of Monmouth Beach
Monmouth County, New Jersey
Susan Howard, 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

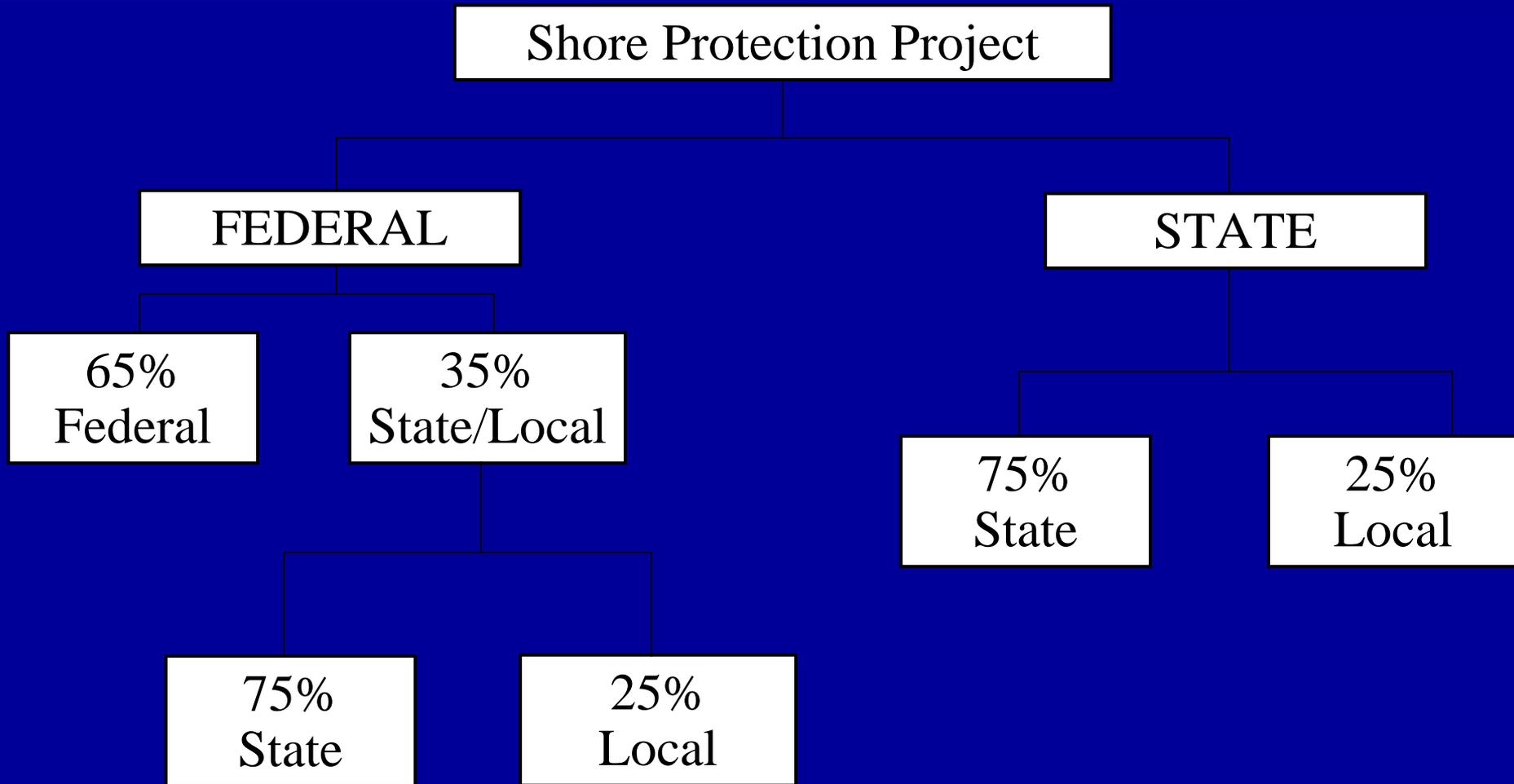
Professional and Technical Services -

- Stevens Institute of Technology
- Richard Stockton College of New Jersey
- Division of Fish and Wildlife
- New Jersey Geological Survey



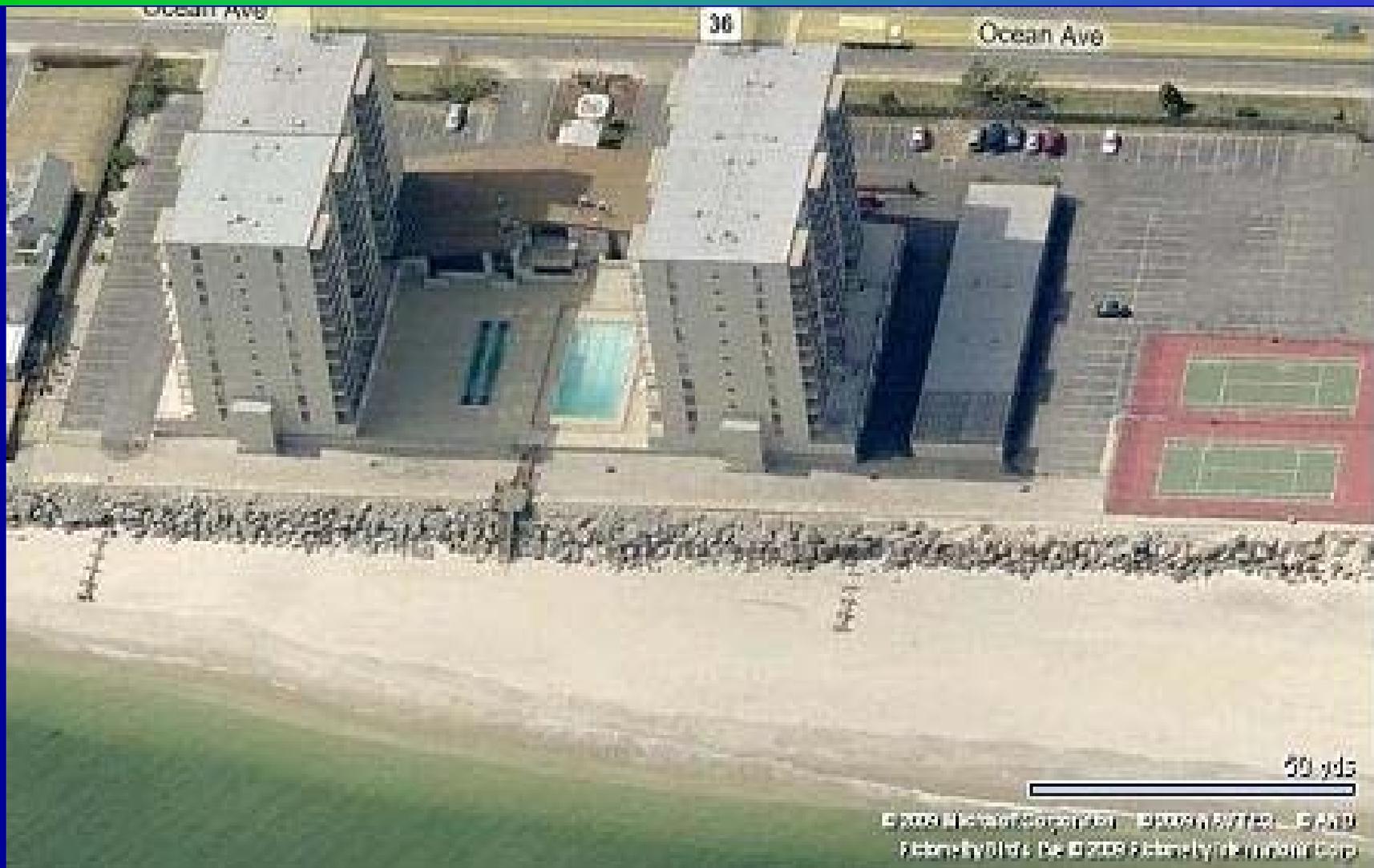
Shore Protection Construction

Cost Share Structure





SEAWALL REPAIR PROJECT THE SHORES CONDOMINIUMS





Monmouth Beach Seawall Repair The Admiralty Condominiums





Monmouth Beach Seawall Repair 2009 Project Specifications



- **Stonework**
 - **8,300 Tons of New 8-12 ton Stone**
 - **Resetting of 8,100 tons of Existing Stone**
 - **3,725 tons of New Core Stone and New Base Layer**
 - **Concrete Groin Sealer**
- **Replacing Two Drainage Pipes**
- **Public Access Staircases**
 - **Existing Stairways to be Built After Construction**
 - **Additional Staircase to be Constructed Between Condominiums**





Monmouth Beach Seawall Repair Construction Equipment





Existing Conditions





Existing Conditions





Monmouth Beach Seawall Repair Proposed Project Costs



- **Contract Amount: \$2,657,635.00**
- **Cost Share:**
 - **75% State = \$1,993,226.25**
 - **25% Municipality = \$664,408.75**





Monmouth Beach Seawall Repair 2009 Project Facts



- **Bid Opening: May 20, 2009**
 - Award: Trevcon Construction
 - Amount: \$2,657,635.00
- **Estimate Construction Start: Sept 14, 2009**
- **Proposed Construction End Date: March 15, 2010**





Monmouth Beach Seawall Repair

What to Expect



- **Beach Access Will Be Closed From Valentine Ave to the Northern End of the Admiralty Condominium**
- **Work Hours: 7a.m to 6p.m.**
 - **Dependant on Tides**
- **Vibrations**
 - **Monitored by Third Party**



New Jersey Department of Environmental Protection *Shore Protection Program*



www.nj.gov/dep/shoreprotection



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