



**US Army Corps
of Engineers®**
Philadelphia District

PROJECT FACTSHEET

New Jersey Shore Protection, Townsend Inlet to Cape May Inlet, NJ

April 2011

CONGRESSIONAL DISTRICTS: Rep. LoBiondo (NJ-2)

APPROPRIATION / PHASE:

Construction, General

BUSINESS PROGRAM:

Flood and Coastal Storm Damage Reduction

AUTHORITY: WRDA 1999, Section 101(a)(26).

LOCATION: The study area is a 12-mile portion of the New Jersey Coastline from Townsend Inlet to Cape May Inlet.

DESCRIPTION: The recommended plan for flood and coastal storm damage reduction includes: (1) 4.3 miles of beachfill with a berm width of 150-feet and a dune crest at +14.75 feet NAVD, with periodic nourishment at 3 year intervals; (2) 2.2 miles of seawall construction along the Townsend Inlet frontage of Avalon and the Hereford Inlet frontage of North Wildwood; (3) ecosystem restoration of approximately 116 acres of natural barrier island habitat at Stone Harbor Point including beachfill and dune construction. The restoration includes the planting of approximately 56 acres of bayberry and red cedar roosting habitat. The total initial project cost is currently estimated at \$74 million.

STATUS: The initial beachfill construction within Avalon and Stone Harbor was completed in May 03. Initial construction of the Avalon and Hereford Seawalls were completed in Sep 09. The only remaining initial construction component is ecosystem restoration at Stone Harbor Point. The 2nd nourishment cycle was scheduled for FY06. However, renourishment has not proceeded due to inadequate funding. FY10 funds were inadequate to proceed with initiation of the 2nd nourishment cycle. A small portion of the funds were used for project monitoring. In FY09 \$1.5M in Emergency Supplemental funds were used to initiate and complete a truck-fill operation in Avalon. These emergency funds were provided as a result of a Federal Disaster Declaration.

As a result of the Nov 09 nor'easter \$40,000 in FCCE - Flood Control and Coastal Emergencies funds were provided to complete a Project Information Report under Public Law 84-99. The PIR completed in Mar 10 with an update in Apr 10 determined that the project met the requirements of Public Law 84-99 and was eligible for FCCE funding. The recommended rehabilitation to pre-storm conditions was estimated at \$9,338,000. The plans and specifications were completed, a solicitation for bids was made which resulted in an award on 14 Mar 11. Construction is scheduled to begin in Apr 11. As the emergency rehabilitation project will only repair the project to pre-storm conditions, a portion of FY10 carryover funds will be utilized during this contract to initiate the 2nd renourishment cycle. The completion of the 2nd renourishment cycle will occur once adequate funding is received.

Townsend Inlet to Cape May Inlet, NJ (continued)

TIMELINE	Start	Complete	Comments
Initial Construction		Jul 2002	Beachfill
Initial Construction		Sep 2009	Avalon and Hereford Seawalls
Ecosystem Restoration at Stone Harbor Point	TBD		Dependent on adequate funds
2 nd Periodic Nourishment Cycle	TBD		Dependent on adequate funds

FINANCIAL DATA (\$000)	Fed	Non-Fed	Total
Initial Construction	54,700	29,348	84,048

BUDGET DATA (\$000)	Comments
FY 07	9,411
FY 08	4,779
FY 09	1,340
FY 10	1,066
FY 11	TBD

SPONSOR: New Jersey Department of Environmental Protection

COMMENTS: The 2nd periodic nourishment cycle was scheduled for FY06.

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Townsend Inlet to Cape May Inlet, NJ (*continued*)



Avalon Seawall During construction



Avalon Seawall Completed Section

Townsend Inlet to Cape May Inlet, NJ (*continued*)



Hereford Seawall during construction



Avalon March 1984

Townsend Inlet to Cape May Inlet, NJ (*continued*)



July 2004 after initial construction

Townsend Inlet to Cape May Inlet, NJ (*continued*)



Stone Harbor, NJ Damage to Handicap Cross-Over after Nov 09 Nor'easter



Section of Hereford Seawall during construction Oct 06