



CONEY ISLAND, BROOKLYN, NY

Restoration of Previously Constructed Projects

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

Description

Hurricane Sandy severely impacted large portions of the northeastern United States. The U.S. Army Corps of Engineers' previously constructed coastal storm risk reduction project at Coney Island in Brooklyn, N.Y., was impacted with the storm causing a great deal of coastal erosion throughout the project area.

Authorities

Everything the U.S. Army Corps of Engineers does must be tied to a statutory authority. The work at

Coney Island is the result of two statutory authorities, one previously existing and one new since Hurricane Sandy.

- Through the Flood Control and Coastal Emergencies Act, PL 84-99, the Corps of Engineers is authorized to **repair** previously constructed projects after a large event like Hurricane Sandy. Put simply, this pre-existing authority allows the Corps to return the project area to pre-storm conditions.
- Through the Disaster Relief Appropriations Act of 2013 (the Sandy Relief Bill, or PL 113-2), the Corps of Engineers is authorized to **restore** previously constructed projects severely impacted by Hurricane Sandy. This new authority allows the Corps to restore projects impacted by Hurricane Sandy to their original design profile, which often means placing a great deal more sand during the near-term coastal restoration efforts.

History

The project area is located in Brooklyn, N.Y., and consists of approximately 3 miles of beachfront. It was originally constructed in the 1990s in partnership with the state of New York and New York City. The project provides coastal storm risk reduction to the densely populated urban communities and infrastructure located along the shoreline of Coney Island. Shore protection was provided by constructing a 100-foot wide beach berm at an elevation of 13 feet above sea level (NGVD1929). The project included the construction of an 850-foot long terminal groin on the westernmost end of the project at West 37th Street as well as outfall extensions and a retaining wall at 25th Street. Approximately 2.4 million cubic yards of sand was placed during original construction in the 1990s.

Current Operations

The U.S. Army Corps of Engineers completed beach fill operations for Coney Island in Fall 2013, placing approximately 600,000 cubic yards of sand. This included approximately 272,000 cubic yards of sand lost during Hurricane Sandy and the remaining amount of sand to restore the project area to its original design profile. The sand was dredged from the Jamaica Bay Inlet Federal Navigation Channel, which provided additional navigation benefits. The contract also included repairs to an outfall extension.



Coney Island Before Renourishment – Dec. 1992



After Replenishment – Mar. 1995

Questions? Call the public affairs office at 917-790-8007 or e-mail CENAN-PA@usace.army.mil

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