



**US Army Corps  
of Engineers®**  
New York District

# Sag Harbor Breakwater, NY

## Breakwater Rehabilitation

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**FACT SHEET**

**SEPTEMBER 2004**

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**DESCRIPTION:** Repair of Breakwater at Sag Harbor, commencing in FY00 and completed in FY03.

**AUTHORIZATION:** Adopted by the Rivers and Harbors Act of 1902 and modified 1935. The original federal navigation project provided for an entrance channel, 10 feet deep, 100 feet wide and 3,200 feet long, from Shelter Island Sound to the mooring dolphins of the Standard Oil Co.; a turning basin 10 feet deep; an anchorage area, 8 feet deep, between the channel and the breakwater; a small anchorage area, 6 feet deep, between the village wharf and the Sag Harbor Yacht Club Pier, and a breakwater 3,180 feet long, extending northerly from Conklin Point. The channel, anchorage area and turning basin were de-authorized at the request of the Village of Sag Harbor (the local cooperating agency) in 1991. The breakwater was constructed in 1908. The authorized dimension of the breakwater was a structure 3,180 feet long having a 5-foot crest width at an elevation of 8 feet above mean low water. The breakwater was last rehabilitated in 1957, when additional stone were added to the jetty where stones had slumped from the jetty profile.

**STATUS:** A contract to rehabilitate the breakwater was awarded on 30 September 2000 to Newborn Construction, Inc. The contractor was not able to commence work until March 2001, while awaiting arrival of special ordered equipment to perform the project. The repairs began in April 2001 and work will continue for three years. The rehabilitated structure will have the same dimensions (length, crest width and elevation) as the authorized structure, however, the bayward facing side slope will be flattened from 1 on 1 to 1 on 1.5 to correspond with Corps of Engineers standard breakwater design criteria. During rehabilitation of the breakwater, all armor stone will be removed from the existing jetty, and a breakwater core will be constructed prior to placement of the armor stone. Approximately 13,000 tons of the 23,000 tons of unacceptable stone from the project is being transported for use as a revetment to protect the historic lighthouse at Plum Island. A portion of the remaining stone is being used to rebuild the revetment along the roadway into Orient Point State Park. The project was completed on 23 September 2003.

**PROJECT COST:** The contract was awarded for \$4,786,235.00. The final contract cost was \$5,936,445.56.

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