

Newburyport Harbor Jetties

Newburyport, Mass.

<u>Date(s)</u>	<u>Construction and Rehabilitation History via Army Corps data base</u>
1881-1899	Two rubble-mound Jetties were constructed at the mouth of the Merrimack River. The north and south jetties were 4,118 and 2,445 ft long, respectively, and built up to an elevation of +12 ft mlw with a 15-ft top width.
1900-1902	Minor repairs were made on the north jetty using 640 tons of stone.
1905-1909	The south jetty was repaired in 1905 with 850 tons of stone. During 1906-09 a total of 19,800 tons of stone was used in repairing the north jetty. Repair costs during this period totaled \$8,730.
1917-1918	The north and south jetties were repaired with 7,140 and 1,750 tons of stone, respectively. Total costs were \$18,400.
1925	The north jetty was repaired with 1,600 tons of stone at a cost of \$4,600.
1933	The jetties were repaired at a cost of \$5,400 for placing 1,190 tons of stone.
1936-1938	Repairs were made to the north and south jetties for a total cost of \$143,700 using 29,930 and 7,810 tons of stone, respectively.
1963	An inspection showed both jetties were in poor condition.
1968-1970	1968-1970 Extensive repairs were made to 2,920- and 1,095-ft-long sections of the north and south jetties. The repaired sections would best define the existing lengths of the jetties. Also completed were 700 lin ft of revetment adjacent to, and landward of, the south jetty repairs. The north jetty repairs started from its reconstructed landward end at 1+00 and continued to the existing seaward end at 30+20. The south jetty repairs started from its reconstructed landward end at 0+00, stopped at 6+00, started again at 10+05 and continued to its reconstructed seaward end at 15+00. An undetermined length of south jetty seaward of 15+00 was not repaired. Seaward of 5+50 both Jetties were built up to +12 ft mlw with a 15-ft crown width and slopes of 1V:1H and 1V:2H on channel and sea sides, respectively. The landward sections had 1V:1.5H side slopes, a crown width of 5 ft, and maximum crown elevations of +17 and +15 ft mlw on the north and south jetties, respectively. The stone size varied from a minimum of 0.5 tons at the landward ends to a maximum of 12 tons at the seaward ends. The estimated quantity of stone was 53,600 tons which were to be placed for a total contract cost of \$1,267,500. Similarly, the south jetty costs were \$221,500 for placing an estimated 13,500 tons of stone and 7,000 cu yd of sand and gravel.
1974	Inspections up to this time indicate the jetties were in good condition overall. Both jetties had isolated areas of settlement, with two areas on the north jetty being severe.
1983-1987	Visual inspection of jetties indicated the jetties were in good condition.