

STAGE HARBOR PIER

Town of Chatham, MA

Town of Chatham has hired Coastal Engineering to provide site engineering and conceptual design services for rehabilitation of the Town-owned commercial timber pier, along with the adjacent privately-owned pier located in Stage Harbor. In order to have a full understanding of the best option for reconstruction, Coastal Engineering has performed an assessment of the existing condition of the two interconnected timber piers and underlying concrete sea wall, including an above and partial underwater survey in accordance with Naval Engineering Facilities Service Center guidelines and prepared a structural evaluation report including permit drawings, references, photographs, calculations, alternative repair recommendations, and cost analysis for the use of alternative construction materials to improve infrastructure durability and reduce future maintenance requirements. The proposed plan calls for the current building on the trap dock property to be removed and a new elevated concrete platform to be built, where trucks could back up to take on fish. It would stretch the width of the narrow parcel and out to a new bulkhead. The existing docks are proposed to be replaced by a concrete deck supported by steel or fiberglass pilings. All are proposed to be at the same elevation. An area between the yacht club and town docks is proposed to be filled in with an additional deck. The plans show several possible configurations for a floating dock off the concrete decks. Several hoists to assist fishermen with offloading their catch are also included in the plan.

SERVICES

- Structural inspection and evaluation of commercial fish pier
- Hydrographic survey
- Conditions assessment and resiliency report based on the history of storm events
- Alternative evaluation and cost analysis
- Conceptual design plan

