

**TOWN OF DUXBURY  
FY 2021 LONG-TERM CAPITAL PLANNING PROJECT SHEET**

**LARGE INFRASTRUCTURE**

**PROJECT SUMMARY FORM**

**PRIMARY DEPARTMENT at present time:** Planning\*  
**PRIMARY DEPARTMENT HEAD/CONTACT:** Valerie Massard, Planning Director

Please Check one:      PLANNING STAGE       CONSTRUCTION STAGE

\*The Planning Department (Planning Director) serves as the Town Floodplain Administrator and is responsible for planning mitigation to reduce storm impacts, including the nourishment of beaches and other activities identified in the Hazard Mitigation Plan and Municipal Vulnerability Assessment Plan prepared by the Town, working primarily with DPW. Other Department Heads including Fire, Conservation, Facilities and Building are the other primary contacts on these projects in both Towns; Planning Department is the lead in Marshfield. These plans must be updated regularly to (1) score points on grant applications as a community with the Commonwealth and (2) be eligible to apply to many grant programs relative to hazard mitigation and municipal vulnerability for climate change.

**Project Name and Summary**

**BEACH MAINTENANCE – ABUTTING PUBLIC SEA WALL ALONG GURNET ROAD**

**FY2020**

Phase I - The Town of Duxbury has established that it is ultimately responsible to maintain the public sea wall at this location. As part of the process for permitting the sea wall repairs from the March 2018 partial wall failure, the regulatory agencies have been clear that we must analyze our options for maintaining the beach (most likely through adding cobble and sand material to maintain the beach profile to the extent feasible given the tide cycles and the results of this study) in order to permit the replacement, repair and improvements to the wall that have been designed. In the spring of 2019, the Town, through the Planning Department as the lead agent, filed jointly with Marshfield for the mandatory study, recommendations and first phase of permitting through the Coastal Zone Management Resiliency Grant program. If the grant is awarded, the Town will use already-budgeted staff time, and minimal postage, to meet its local match in proportion to the linear feet of sea wall in relationship to the entirety of the sea walls in Marshfield and Duxbury. We have not yet heard if the grant has been awarded, but we expect it will be. The Town was not anticipating this requirement and had to use staff time to commit to the local match; Marshfield committed to its local match through cash and in-kind services through Town Meeting.

TOTAL COST TO DUXBURY: +/- \$15,000 using in-kind services (TOTAL COST: \$253,692)

**FY2021**

Phase II – The two towns, working with the Woods Hole Group and the Coastal Zone Management team, anticipate filing for Phase II of the permitting in the spring of 2020 (for FY 2021). The Woods Hole Group estimates this cost to be \$140,000 to do this permitting Conservation Commission, DEP Chapter 91, DEP Water Quality, CZM, and USACE for the two towns. With the required match at 25%, and the Town of Duxbury’s share at 25% of that, we are looking at \$8,750 to come from either cash or in-kind services (staff time).

**TOTAL ANTICIPATED COST TO DUXBURY: +/- \$8,750** (TOTAL COST \$140,000)      it is not known if in-kind services can be used for the local match for this process – we request this amount and will use in-kind to reduce actual once we approach the March 2020 grant application deadline.

**Phase III** – The town will work cooperatively with Marshfield to try to identify sources of sand, and to identify sources of funds, for sand placement. Once a source and funds have been identified, this will become a DPW project.

Future costs will be relative to availability of both fiscal resources and sand/cobble that matches the requirements of the design. The permits will be good for 10 years, and any proactive inputs to the system will be supported by the permitting agencies so long as the Town maintains its efforts to source and deposit the sand/cobble.