



Staff Report

TO: Board of Harbor Commissioners

FROM: Anita Pyle, Interim Director of Operations

DATE: April 17, 2019

SUBJECT: Surfers Beach Replenishment Pilot Project Update and Proposal; Presentation

Recommendation/Motion:

Motion: Receive project update and authorize the Interim General Manager to execute a Professional Services Agreement with consultant Damitz for an amount not to exceed \$56,000 to complete project management for the Surfers Beach Replenishment Pilot Project.

Policy Implications:

Consistent with the District's goal to use excess sediment build-up from within the Harbor for beneficial re-use on Surfers Beach.

Fiscal Implications/Budget Status:

FY 18/19 budget includes \$920k for the Launch Ramp Dredging/Surfers Beach Replenishment projects at Pillar Point Harbor. Board authorized Ocean Protection Council (OPC) grant funding of \$75k for the Surfers Beach Replenishment Pilot Project design/engineering at the October 2016 Board meeting. An agreement with consultant Damitz was executed in October 2015 to assist in design/engineering/permitting, subject to the grant funding. Additional design/engineering/permitting challenges have exhausted these funds and consultant Damitz now needs \$56,000 to continue efforts through project completion.

Background/Discussion:

The goal of the Surfers Beach Replenishment Pilot Project is to remove sediment which has built up inside the Pillar Point Harbor (PPH) outer breakwater and move it to Surfers Beach for beneficial re-use. In addition to addressing coastal erosion and public access issues at Surfers Beach, this project would also address the issues associated with the shoaling that has occurred inside of the Harbor since the outer breakwater was constructed.

Surfers Beach has suffered from significant beach erosion attributed, at least partly, to the construction of the PPH breakwater. The Board of Harbor Commissioners approved this pilot project at the October 7, 2015 meeting. Pursuant to that approval, the District executed an agreement with consultant Brad Damitz for phase one, which is to obtain grant funding to support beach replenishment at Surfers Beach in the amount of \$50,000. Consultant Damitz was able to successfully apply for funding through the OPC for the necessary planning, engineering and design, environmental studies, and regulatory compliance/permitting to cover project management costs to date (approximately \$26K is currently remaining from the OPC grant funds). The Board approved the acceptance of the \$75,000 OPC grant at the October 2016 Board meeting.



Photo showing the proposed Surfers Beach placement area

Damitz was able to successfully obtain a grant from the Division of Boating and Waterways (DBW) for \$800k for project construction and monitoring costs. This includes sediment placement on Surfers Beach of up to 75,000 cubic yards of clean sand excavated from inside the outer breakwater at Pillar Point Harbor. It will also fund a physical and ecological monitoring program during and after the construction phase to meet requirements of permitting agencies and to gather additional data that could be used in designing an ongoing opportunistic beach nourishment program.

Since the initial contract was issued in 2015 Damitz has led the project management, coordinating with District staff and contractors to accomplish the following:

- Secured grant funding for the project totaling \$875,000.
- Collaborated with GFNMS to identify acceptable project parameters.
- Identified all permitting requirements and conducted permitting workshops and site visits.
- Coordinated with USACE to model a variety of project design scenarios
- Identified a project design preferred alternative and worked with engineers to develop permitting level design plans.
- Conducted extensive stakeholder outreach including more than 12 presentations.
- Developed RFPs for engineering and sediment sampling and analysis services and issued contracts for services.

However, additional work needs to be completed to move the project forward through the planning process and implementation, as detailed in the attached proposal from Damitz. In addition to the prior project management fees, other costs to date for the project include:

- Contract to Kinnetic Labs Inc. for \$31,000 for sediment sampling and analysis
- Contract to ESA for engineering services for \$105,000.

Potential additional future project soft costs include:

- Complete eelgrass surveys to map beds and pre and post project surveys.
- Bathymetry and beach profile surveys.
- Other required surveys and studies required by permitting agencies.

Summary/Recommendation:

Staff recommends the Board approve a proposal from consultant Damitz for an amount not to exceed \$56,000 to complete project management and permitting work associated with the completion of the Surfers Beach Replenishment Pilot Project.

Attachments:

- [Project Update PPT Presentation](#)
- [Proposal for Project Management Services – Surfers Beach Replenishment](#)