



DATE: September 28, 2021

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Shoreline Lake Improvements, Construction, Project 20-36 – Various Actions**

RECOMMENDATION

1. Acting as the Board of Directors of the Shoreline Regional Park Community, appropriate and transfer \$900,000 from the Shoreline Regional Park Community Fund to Shoreline Lake Improvements, Construction, Project 20-36, increasing the project budget from \$2,500,000 to \$3,400,000.
2. Approve plans and specifications for Shoreline Lake Improvements, Construction, Project 20-36, and authorize staff to advertise the project for bids.
3. Authorize the City Manager or designee to award a construction contract to the lowest responsible bidder if the low bid is within the project budget.
4. Authorize the City Manager or designee to execute a design professional services contract with Moffatt & Nichol of Walnut Creek to provide bid support, construction support, environmental monitoring, and coordination with regulatory agencies for Shoreline Lake Improvements, Construction, Project 20-36, in a not-to-exceed amount of \$150,000.
5. Authorize the City Manager or designee to execute a professional services contract with Tanner Pacific, Inc., to provide construction engineering services for Shoreline Lake Improvements, Construction, Project 20-36, in a not-to-exceed amount of \$250,750.

BACKGROUND

Shoreline Sailing Lake (also known as Sailing Lake) is a manmade saltwater lake that occupies the northwestern corner of Shoreline Regional Park, which opened in 1982. Most of the regional park was constructed on the site of a former sanitary landfill; however, Shoreline Lake is not on the former landfill site. A dam separates the lake from

Coast-Casey Forebay to the west. Shoreline Lake offers a variety of recreational activities, including sailing, windsurfing, kayaking, canoeing, and stand-up paddle boarding. The facilities at the lake, including a restaurant/boathouse, are operated by a concessionaire under a lease from the City.

Shoreline Lake covers an area of approximately 45 acres and has an average depth of 18'. The saltwater lake is filled by water from the San Francisco Bay that is pumped from an intake and pump station currently situated along the levee, between Inner Charleston Slough and the Coast-Casey Forebay detention basin. Water from the lake is discharged through a gravity outfall into Permanente Creek and then drained back into San Francisco Bay.

Shoreline Lake Improvements, Construction, Project 20-36, was created to address operation and maintenance needs at the lake (see Figure 1 for project location). The project includes making improvements to reduce erosion and sediment deposition and replacing aging facilities, with the following objectives and components:

- Stabilize the lake's northeastern shoreline to resist wave-induced erosion;
- Replace the aging floating dock;
- Remove sediment that has accumulated on and is impeding use of the boat launch ramp;
- Install a new kayak launch along the gravel beach at the north side of the boat launch ramp;
- Install a new sheetpile wall along the southern edge of the boat launch ramp to minimize sediment migration into the boat launch ramp; and
- Regrade the gravel lake bottom south of the boat launch ramp to improve access and safety for launching and retrieving of watercraft into the lake.

On [June 18, 2019](#), the City Council approved a contract with Moffatt & Nichol, a design consultant, to prepare engineering design and environmental permitting documents for the project. During the design phase, in May 2020, extreme winds caused the aging boat dock to become detached from its supports and blow out of position. The City issued an emergency contract with Bellingham Marine Industries in June 2020 to make temporary repairs to the docks in order to minimize impacts to boathouse operations.



Figure 1: Location of Shoreline Lake Improvements Project

On June 15, 2020, the City executed a contract with AECOM to prepare a Preliminary Initial Study/Mitigated Negative Declaration (IS/MND). The City Council adopted the Mitigated Negative Declaration (MND) for the project on [June 8, 2021](#). The IS/MND had to be completed before the City could obtain permits from regulatory agencies for the project. The following mitigation requirements from the IS/MND are included in the project construction documents:

- Basic construction mitigation measures recommended by the Bay Area Air Quality Management District to reduce fugitive dust emissions;
- Measures to minimize or avoid impacts to special-status bird species; and
- Due to the project site's proximity to former landfill operations, preparation and implementation of health and safety measures to provide processes and procedures to minimize human health effects and environmental contamination resulting from accidental exposure to refuse, landfill gas, or landfill leachate.

In July 2021, the City applied for the San Francisco Bay Regional Water Quality Control Board Clean Water Act Section 401, Water Quality Certification and Order for the project and received the Certification on September 15, 2021. In addition, the City applied for the United States Army Corps of Engineers' Clean Water Act Section 404 Permit, which staff anticipates will be issued prior to the start of construction.

ANALYSIS

The plans and specifications for the project, including the full dock replacement, are completed. The project scope of work and schedule have been closely coordinated with the boathouse operator. If the recommended actions are approved and a responsive bid within the project budget is received, construction is anticipated to begin in December 2021.

The project site is located in an environmentally sensitive area. Nesting birds for both migratory and resident species may inhabit areas at or near the project site. Biological surveys will be conducted throughout construction, and if any sensitive species are identified, work may be suspended. As nesting season is from February 1 through August 31, there is a possibility work may span over two nonnesting seasons. For that reason, completion of the project may take until January 2023.

To provide engineering support during project bidding and construction and coordination with permitting agencies, staff recommends executing a design professional services contract with Moffatt & Nichol under Project 20-36. Moffatt & Nichol has

extensive experience on this project and the maritime experience required to provide the construction phase services. The not-to-exceed contract amount of \$150,000 includes \$120,000 for basic services and a contingency in the amount of \$30,000 for unforeseen items. The recommended fee is within the range typically charged for such services, and staff considers the fees to be fair and reasonable.

Due to the large volume of construction activities in Mountain View, the Public Works Department utilizes consultants to supplement staff and provide construction engineering and inspection services as necessary to ensure the timely delivery of the City's construction projects and for projects requiring specialized construction expertise. Staff is recommending the City hire Tanner Pacific, Inc., to support this project due to their experience in working with the regulatory requirements of the North Bayshore Area, including the Sailing Lake Access Road project, which will be in construction at the same time, and is adjacent to this project. The recommended fee of \$250,750 for basic services and reimbursable expenses is within the range typically charged for such services.

FISCAL IMPACT

Shoreline Lake Improvements, Construction, Project 20-36, is funded with \$1,000,000 from the Shoreline Regional Park Community Fund and \$1,500,000 from the Shoreline Regional Park Community 2018 Series B Bond proceeds for a total project budget of \$2,500,000. The estimated cost for the project is as follows:

Construction	\$2,070,000
Construction Contingency	320,000
Project Management	200,000
City Construction Management and Special Inspection	300,000
Consulting Services	150,000
Printing and Other Miscellaneous Costs	10,000
2020 Floating Dock Emergency Repair (completed)	140,000
Subtotal	\$3,190,000
City Administration	210,000
TOTAL PROJECT COST	\$3,400,000
CURRENT PROJECT BUDGET	\$2,500,000
BUDGET SHORTFALL	\$900,000

The \$900,000 budget shortfall is due to Shoreline Lake floating dock emergency repair completed in 2020, additional lake bank erosion protection work along the north shore to address regulatory concerns, the need to construct the project in two phases to avoid bird nesting impacts, and escalation of material and labor costs for construction. Staff is requesting a budget increase of \$900,000 from the Shoreline Regional Park Community Fund. There is sufficient balance for the recommended appropriation. With the proposed increase, Shoreline Lake Improvements, Construction, Project 20-36, will have a total project budget of \$3,400,000.

CONCLUSION

The design documents are complete for Shoreline Lake Improvements, Construction, Project 20-36. Due to the sensitive wildlife environment at Shoreline Regional Park, this project requires compliance and permits from various regulatory agencies and extra time to conduct work due to bird nesting time periods. The unforeseen emergency dock repairs in 2020, along with the recent inflation costs for materials and labor, have resulted in the need to add funding to the project. If the recommended actions are approved and a responsive bid within the project budget is received, construction is expected to begin in December 2021 and be completed by early 2023. The final product will result in improved boating facilities and experiences for the public.

ALTERNATIVES

1. Defer construction.
2. Do not approve the recommended consultant contracts for construction support and construction management and direct staff to issue a Request for Proposals to solicit proposals.
3. Provide other direction.

PUBLIC NOTICING

Agenda posting. Prior to construction, project notifications will be posted at the Shoreline Park Boathouse as well as on the Community Services Department website.

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cc: CSD, APWD – Arango, SMA – Doan, F/c (20-36)