



DATE: January 18, 2022

TO: Mayor and Members of the City Council

VIA: Kevin Miller, Interim City Manager

FROM: Louis Sun, Public Works Director
Paul Nagengast, Project Advisor, Regional Government Services

SUBJECT: LEVEE IMPROVEMENTS PROJECT (CIP 327-657) JANUARY 2022 - GENERAL UPDATE

RECOMMENDATION

It is recommended that the City Council, by Minute Order, consider and accept this progress update on the Levee Improvements Project (Project). No further action is required by the City Council.

EXECUTIVE SUMMARY

Staff will provide a verbal update of the latest Project activities at the City Council meeting. This report provides an update of Project progress and budget impacts with current expenditures detailed in an attached work sheet.

Staff anticipates providing the City Council a more detailed Project update in early Spring 2022 subsequent to the Contractor identifying remaining work in environmentally restricted areas as well as work in all Phases of the Project.

Highlights of Project progress and pictures, since the last City Council update on November 15, 2021, are included in the attached Construction Managers Report and listed below:

- Caltrans has issued the encroachment permit to Foster City on December 7, 2021, for the Contractor to work within the State right-of-way under the Highway 92 bridge. The Contractor proposes to initiate work within the right-of-way this month (January 2022).
- The Baffin Street Bridge has been installed. However, work continues at this location (coffer dam removal, major utility relocations and installations and appurtenant work) and must be completed prior to opening this access to Redwood Shores/Belmont and closing the 'egress' location to install the second bridge. It is hoped Baffin Street Bridge can be opened during Spring 2022.
- The Contractor has completed the construction related to the revisions necessary for Flood Wall 19 (CCO #11; \$3.2M). The adjacent flood walls, gabion baskets, backfill behind the wall are anticipated to be completed this month. The Contractor is still maintaining the coffer dams installed (CCO #8; \$440K) to protect the construction activities for Flood Wall 19.
- The Contractor has completed approximately 3 miles of the 4.2 miles of the revised concrete cap for the top of installed sheet piles (CCO #9; \$110K and #10; \$932K) along Beach Park Boulevard and Phase 1 locations near Sea Cloud Park. The double heading for the concrete cap provides 400 linear feet total of cap production per week. The finished trail surface will be approximately 3.5 feet below the top of the finished concrete cap. The Contractor has been placing lightweight concrete fill adjacent to the sheet piles for the trail installation to be provided on top of the fill. There will be periods of time when the levee wall and trail will appear to be uneven at different locations along the Project until all the work has been completed with the concrete cap and finished trail material at final specified elevations.
- The Contractor has completed the clear, grub and demolition work to prepare for Flood Walls from Anchor Road/E 3rd Avenue (northern most Project limits) to Mariners Point Golf Center within Phase 3 of the Project. In addition, near Baywinds Park adjacent to Mariners Point, the Contractor has completed the safety fencing closures and commenced excavation to construct the Flood Walls near this location and at the entrance roadway (Lakeside Drive) to Baywinds Park.
- The Contractor has continued to provide additional crews to construct flood/retaining walls on the Project from Baywinds Park to Southern Project limits, concentrating work in Phase 1 prior to the restricted

work requirements in 2022. Allan Block Retaining Walls are also in various stages of construction near the San Mateo Bridge and Bridgeview Park.

- The Contractor has cleared, grubbed and removed the existing steel pedestrian bridge to prepare to install the new pedestrian bridge north of the San Mateo Bridge (Tishman building).
- Staff continues to monitor the Safe Routes to School plan for Bowditch Middle School and other locations that may be affected by the Project. Coordination by staff with the school personnel provides direct feedback about the dropping off and picking up of students as well as the walking and biking by students to school.

Current Schedule Timeline

Award of Contract:	July 20, 2020
Notice to Proceed:	September 28, 2020
Phase 1 Bay Trial Closure - Opening:	October 2020 - January 2023
Phase 2 Bay Trial Closure - Opening:	January 2021 - November 2022
Phase 3 Bay Trail Closure - Opening:	April 2021 - January 2023
Project Substantial Completion:	August 2023
Project Completion:	January 2024

PROJECT BUDGET AND COST/EXPENSES

In summary, the Project continues to be on time and within budget and expenses continue to trend as anticipated.

Summary of known costs to date:

- Total Budget/Bond Measure: Budget = \$87M; Bond Measure = \$90M; Bonds Released = \$85M; Additional City Reserves for Project (if necessary) = \$10M
- Bid: Shimmick: \$60.2M; and \$9M contingency for change orders
- Payments: Shimmick: \$38M; Others: \$10M; Total: \$48M
- Change Orders Approved: As of 12/31: CCO #1-17 = \$3.9M
- Change Orders Anticipated: CCO in amount of \$347K for CC Approval February 2022

FISCAL IMPACT

Fiscal Impacts to the Project are presented to City Council as a separate agenda item with a recommended action to take from City staff.

While there are no fiscal impacts requiring City Council approval associated with this Project update, staff will be presenting to City Council for approval in February 2022 a contract change order in the amount of \$347K. This request is necessary due to changes to specified Project improvements based on the actual field conditions directly adjacent to retaining walls north of the San Mateo bridge. Since the environmental permits do not allow improvements to encroach into wetlands, Allan block retaining wall drains have to be raised to allow the walls to be drained, as required by the manufacturer, to avoid trenching into protected wetlands. A detailed staff report will be provided at the February City Council meeting.

In addition, staff continues to monitor the work performed by Schaaf & Wheeler as part of the Phase III contract for work to be performed during the construction of the Project (materials and geotechnical testing, shop drawing reviews, environmental review and permit observations). Previously, staff had provided information to the City Council indicating the performance of various environmental related services (bird surveys, observing the work in environmental sensitive areas), which has positively benefited the Project completion schedule, but has increased Schaaf & Wheeler's estimated cost to provide these services. City Council was advised anticipated costs would be better realized in early 2022 dependent upon the amount of work completed by the Contractor during 2021. Staff anticipates providing to City Council an amendment to the existing Schaaf & Wheeler contract during Spring 2022 to reflect these additional costs.

CITY COUNCIL VISION, MISSION, AND VALUE/PRIORITY AREA

The Levee Improvements Project is in alignment with the City Council's adopted Vision and Mission statements, in that it seeks to create a sustainable environment through infrastructure improvements for current and future generations to come. This item is also directly related to the "Facilities and Infrastructure" Value/Priority Area. The key outcome is to make substantial progress toward an improved levee on time and budget to protect the community and critical infrastructure from storms and high tides.

Attachments:

- Attachment 1 - Monthly Construction Manager's Report - December 2021
- Attachment 2 - Expenditure Report as of December 31, 2021
- Attachment 3 - Memorandum and Communications Metrics - December 2021 Dashboard Report