



DATE: February 22, 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) FEBRUARY 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.

Highlights of Project progress and pictures, since the last City Council update on January 18, 2022, are included in the attached Construction Manager's Report and listed below:

- Construction of the bridge crossing at Baffin Street has been completed. To perform the bridge installation, sheet pile cofferdams were installed in the O'Neill Slough to protect the site from tidal action during construction. On January 29, 2022, during the removal

of the sheet pile cofferdam, City of Belmont residents expressed concerns at the rising water level due to restored tidal action observed in the O'Neill Slough due to the partially removed sheet piles. The project team directed the Contractor to replace and reinstall the sheet piles, cutting off the full tidal action to O'Neill Slough to allow Belmont staff time to evaluate.

The implementation of full tidal action is a regulatory permit requirement as a mitigation measure for the Project and the rising water level in the slough is an intended result of the new bridge crossing. Foster City will discuss with the permitting agencies and Belmont officials the impacts of reactivating O'Neill Slough to full tidal action prior to permanently removing the sheet pile cofferdam. City Council will be updated as information becomes available.

The image below shows the portion of the slough that is intended to be restored with tidal action when the bridge crossings have been completed and the cofferdams have been removed.



- The Contractor has relocated construction operations out of the southern end of the Project in Phase 1 due to the regulatory permits requiring operations to cease in this area from February 1 to August 31, unless nesting protocol surveys indicate there are no nesting birds in the area and the regulatory agencies concur with the findings. The environmental consultant has commenced the surveys to determine if and where there are any nesting birds. If there are no nesting birds, it is anticipated the Contractor will be able to return to work in applicable portions of Phase 1 in April or May 2022. The Contractor will be concentrating their work along Beach Park Boulevard and north of the San Mateo bridge during the bird nesting season.

- The Baffin Street bridge has been installed, but additional work is still necessary before the bridge can be safely opened. The Contractor cannot work in this area until September 1 unless bird nesting surveys being completed do not indicate any nesting birds. It is anticipated that Baffin Street bridge may open by Summer 2022.
- The Contractor has commenced construction operations under the San Mateo bridge in accordance with the encroachment permit received from Caltrans to work in this area.
- The Contractor has completed approximately 3.5 miles of the 4.2 miles of the revised concrete cap for the top of installed sheet piles (CCO No. 9 - \$110K; and CCO No.10 - \$932K) along Beach Park Boulevard and Phase 1 locations near Sea Cloud Park.
- 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 Trail Closure – Opening:	October 2020 – January 2023
Phase 2 Bay Trail 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; GO Bonds Sold = \$85M; Additional City reserves for Project if necessary = \$10M
- Construction Contract: Shimmick: \$60.2M; Contingency: \$9M
- Expenditures: Shimmick: \$40M; Others: \$10M; Total: \$50M
- Change Orders Approved: As of 2/07: CCO No. 1-19 = \$4M
- Change Orders Anticipated: CCO No. 20 in amount \$347K for CC consideration on February 22, 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 is no fiscal impact associated with this Project update, staff will be recommending to the City Council for approval at the February 22, 2022 City Council meeting the execution of a contract change order in the amount of \$347,000. 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 provide for adequate drainage, as required by the manufacturer, to avoid trenching into protected wetlands. A staff report describing the necessary improvements will be presented by staff at the February 22, 2022 City Council meeting.

Staff continues to monitor the level of effort performed by Schaaf & Wheeler as part of their Phase III contract to support the construction phase 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 additional out of scope environmental related services (bird surveys, observing the work in environmental sensitive areas, etc.), which have positively benefited the Project completion schedule, but have increased Schaaf & Wheeler's level of effort beyond what was originally scoped. The City Council was advised that the costs associated with these additional services would be better understood in early 2022 and was dependent upon amount of work completed by the Contractor during 2021. Within the next two months, staff will bring forward to the City Council a recommendation to execute an amendment to the contract with Schaaf & Wheeler to reflect the

additional effort expended by the design team to keep the project moving and on schedule.

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 tide.

Attachments:

- Attachment 1 - Monthly Construction Manager's Report – January 2022
- Attachment 2 - Expenditure Report as of January 31, 2022
- Attachment 3 - Memorandum and Communications Metrics – January 2022 Dashboard Report