



DATE: June 20, 2022

TO: Mayor and Members of the City Council

VIA: Edmund Suen, Interim City Manager

FROM: Louis Sun, Public Works Director

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

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### 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 May 16, 2022, are included in the attached Construction Manager's Report and listed below:

- Staff is continuing conversations with various regulatory agencies regarding the mitigation requirement to provide full tidal action into O'Neill Slough. Staff will provide a verbal update to City Council after hearing back from the regulatory agencies whether the muted tidal action can continue until a later date.

- The Baffin Street Bridge was re-opened on June 6, 2022 for pedestrian and bicycle traffic in anticipation of the Contractor commencing operations for the bridge at the Egress location (the western access to Belmont from Rock Harbor Lane). Since regulatory agencies have provided their consent to work in portions of Phase 1, construction operations will be focused to prepare for the installation of the precast concrete Egress Bridge.
- The Contractor continues to work within Phase III (San Mateo Bridge to northerly of Mariner's Point) of the Project. The work includes Floodwall 4 placement near Baywinds Park, embankment fill along East Third Avenue near Anchor Road, excavation for Floodwalls 1 & 2 and concrete footing placement for Floodwall 2 near Mariner's Point, excavation for Retaining wall 1 south of Baywinds Park, construction of bay-side paths along Floodwalls 5 & 8, and work adjacent and around the Lagoon outfall structure south of Baywinds Park.
- Adjacent to Bayside Towers, construction of the new pedestrian bridge continues. The Contractor has completed the demolition and subgrade excavation for the north and south abutments to install the bridge at Access Point 9.
- The Contractor continues construction operations under the San Mateo Bridge in accordance with the encroachment permit received from Caltrans. Progress related to flood wall 25 and 10 continues to be made. The Contractor has completed the backfill operation for the Floodwall 11 footings near Werder Pier.
- The Contractor continues to work along Beach Park Boulevard. Completed and upcoming work within Phase II includes, but is not limited to, trail slope fine grading, installation of erosion control fabric, placement of mulch, ice plant planting, construction of bay side paths and access points, street light foundations, irrigation and other landscaping.
- The Contractor has completed approximately 3.8 miles of the 4.2 miles of the revised concrete cap for the top of the installed sheet piles (CCO #9- \$110K; and #10- \$932K). The portion of the concrete cap that parallels Beach Park Boulevard within Phase II of the Project is complete. The remaining concrete cap is primarily within Phase III

between Baywinds Park and the San Mateo Bridge and portions of Phase I.

- The Contractor continues to work on the block retaining walls related to CCO #20, which include retaining walls 2 and 4 that extend along the Bayside Towers property in Phase III. Significant progress has been made on retaining wall 4 and will be completed following the construction of access point 10 near the San Mateo Bridge next to the Bayside Towers parking lot. The Contractor is providing additional resources to complete the approximately 2,000 linear feet for retaining wall 2.
- Staff continues to monitor the Safe Routes to School plan for Bowditch Middle School and other locations that may be affected by the Project. While the 2021-22 school year has been completed, staff will continue to monitor any summer school programs to provide feedback to school personnel about the dropping off and picking up of students as well as the walking and biking by students to any programs.

#### 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

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: \$43M; Others: \$11.8M; Total: \$55.1M

- Change Orders Approved: As of 06/06: CCO #1-23 = \$4.7M
- Change Orders Anticipated: TBD

## FISCAL IMPACT

There are no fiscal impacts associated with this project update.

Fiscal impacts to the Project are presented to City Council as separate agenda items.

Staff will be seeking the City Council's approval of two contract change orders at future meetings. The first change order is necessary due to a change in mix design required for the lightweight cellular concrete (LCC) backfill material. Additional cement was necessary to be added to the LCC mixture for higher dry densities to achieve the required strength while balancing the amount of settlement anticipated to the backfill behind the levee. Staff has been advising City Council about this upcoming change order as part of several monthly updates. This change order has not yet been presented to the City Council due to other Project related priorities being addressed by staff. A detailed staff report will be presented by staff at a future City Council meeting.

The second contract change order is due to plan modifications including path widening and the replacement of six staircases with six ADA-compliant ramps. The design changes are necessary to ensure the project is in compliance with ADA requirements. A detailed staff report will be presented by staff at a future City Council meeting.

## CITY COUNCIL VISION, MISSION, AND VALUE/PRIORITY AREA

The Levee Improvements Project is in alignment to 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 - May 2022

- Attachment 2 - Expenditure Report as of May 31, 2022
- Attachment 3 - Memorandum and Communications Metrics - May 2022 Dashboard Report