



DATE: July 18, 2022

TO: Mayor and Members of the City Council

VIA: Stefan Chatwin, City Manager

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

SUBJECT: LEVEE IMPROVEMENTS PROJECT (CIP 327-657) - JUNE 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 June 20, 2022, are included in the attached Construction Managers 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 when known as to the results of the discussions with the regulatory

agencies to determine if muted tidal action can continue until a later date.

- The Baffin Street Bridge is open for pedestrian and bicycle traffic and the Contractor has closed the Egress Bridge location. The contractor is completing operations to place cement for the Egress bridge abutments for the anticipated installation of the precast bridge by end of July or early August 2022. The Mayor and City Council delivered a Project milestone update to the community regarding Baffin Street Bridge opening on June 8, 2022, and the update is available on the Levee Project website.
- The Contractor continues to work within Phase III (San Mateo Bridge to northerly of Mariner's Point) of the Project. The work includes completion of concrete placement for Floodwalls 3 & 4 near Baywinds Park, embankment fill along E. Third Avenue near Anchor Road, placing concrete for Floodwalls 1 & 2 near Mariner's Point, excavation for Retaining wall 1 south of Baywinds Park, construction of bay-side paths along Floodwalls 5 & 8, and completion of the Lagoon outfall structure work south of Baywinds Park.
- Progress continues for a new pedestrian bridge with the Contractor completing the demolition and subgrade excavation for the north and south abutments to install the AP-9 bridge at Bayside Towers. The Contractor anticipates completing the bridge abutments for the pedestrian bridge by end of July 2022.
- The Contractor continues construction operations under the San Mateo Bridge in accordance with the encroachment permit received from Caltrans. The Contractor has completed construction for Floodwalls 25, 10, and 11 near the Bridge and Werder Pier.
- The Contractor continues to work along Beach Park Boulevard. Completed and upcoming work along Beach Park Boulevard as part of Phase II includes, but not limited to, trail slope fine grading, erosion control fabric, placement of mulch, ice plant planting, construction of bay side paths and access points, earthen levee near and adjacent to Shorebird Park, streetlight foundations, irrigation and landscaping. The Contractor should be finishing the installation of most of the streetlights by the end of July 2022 but will still need to complete all the streetlight and electrical conductor wiring installations prior to energizing the lights.
- The Contractor has completed approximately 3.8 miles of the 4.2 miles of the revised concrete cap for the top of installed sheet piles (CCO #9; \$110K and #10; \$932K). The concrete cap along Beach Park Boulevard as part of Phase II of the Project is complete. The

concrete cap remaining to be constructed is mainly in Phase III between Baywinds Park and San Mateo Bridge and portions of Phase I. The Contractor has been providing concrete work crews at various retaining and floodwall locations and has not yet completed the concrete cap work.

- The Contractor has been focusing concrete work crews for the completion of the block retaining walls related to CCO #20, which includes retaining walls 2 and 4.
- 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 Bayside Towers parking lot. The Contractor has been providing additional resources to complete the approximately 2,000 linear feet for retaining wall 2.
- Staff will provide an update to the schedule for opening trail portions within Phases I, II, and III, after reviewing the Contractor's anticipated schedule for reopening trails within the phased work at end of summer 2022. The update will be in accordance with the requirements of the BCDC permit and will be placed on the Project website.
- 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. Staff will be contacting school officials about any proposed changes for the 2022-2023 school year.

#### 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: \$12.5M; Total: \$55.5M
- Change Orders Approved: As of 07/06: CCO #1-23 = \$4.7M
- Change Orders Anticipated: TBD

## 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 at a future City Council meeting a construction contract change order. This Change Order is necessary due to a change in backfill limits and material to facilitate the use of originally specified Lightweight Cellular Concrete (LCC). Additional cement was necessary to be added to the LCC mixture for higher dry densities in the backfill behind the levee. Staff has been advising City Council about this upcoming change order on several monthly updates. This Change Order has not yet been presented to 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.

## 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 - June 2022
- Attachment 2 - Expenditure Report as of June 30, 2022
- Attachment 3 - Memorandum and Communications Metrics - June 2022 Dashboard Report