



DATE: April 18, 2022

TO: Mayor and Members of the City Council

VIA: Edmund Suen, Interim City Manager

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

SUBJECT: LEVEE IMPROVEMENTS PROJECT (CIP 327-657) - MARCH 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 March 21, 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 Contractor is limited to working in the Phase 2 and Phase 3 work areas between 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. Huffman Broadway Group has completed their report to the permitting regulatory agencies. Based on further analysis of the survey results, if the request of the report is to return to the area before September 2 and concurrence is received from the regulatory agencies, it is anticipated the Contractor will be able to return to work in Phase 1 in April or May 2022.
  - The Baffin Street Bridge has been installed. Additional work is still necessary before the bridge can be safely opened. The Contractor cannot return to this area until September 1. However, if the bird nesting survey indicates minimal to no nesting birds and the regulatory agencies approve, the Contractor would be able to return to this area in April/May. In which case, it is anticipated Baffin Street Bridge can be opened by early Summer 2022, barring any unforeseen issues.
  - 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 moved easterly to complete subgrade excavations and will initiate forming and placing concrete for Floodwall 11 footings near Werder Pier.
  - The Contractor has been scheduling and completing work along Beach Park Boulevard during the Phase 1 work restrictions including, but not limited to, finalizing the concrete cap and bay-side paths near Floodwall 12 which is close to Bridgeview Park, constructing land side access points and associated flat work, constructing street light foundations and installation of water irrigation main for landscape maintenance.
  - The Contractor has completed approximately 3.6 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 production rate of constructing the concrete cap has not changed much from last report as the Contractor has been concentrating on other items of work. The concrete cap remaining to be constructed is mainly in Phase III

between Baywinds Park and San Mateo Bridge and portions of Phase I within the restricted permit area.

- The Contractor continues to work on the block retaining walls related to CCO #20, which include 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.
- 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

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: \$11.6M; Total: \$54.6M
- Change Orders Approved: As of 4/04: CCO #1-22 = \$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. 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 - March 2022
- Attachment 2 - Expenditure Report as of March 31, 2022
- Attachment 3 - Memorandum and Communications Metrics - March 2022 Dashboard Report