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

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