



DATE: February 22, 2022

CATEGORY: Consent

DEPT.: Public Works

TITLE: **South Bay Salt Pond Restoration, Project 18-53, and Shoreline Sea Level Rise Study Update, Project 21-54 – Authorize and Amend Professional Services Agreements**

RECOMMENDATION

1. Authorize the City Manager or designee to execute a professional services agreement with GHD, Inc., for South Bay Salt Pond Restoration, Project 18-53, in an amount not to exceed \$600,000, for a total compensation amount of \$701,200.
2. Authorize the City Manager or designee to amend the professional services agreement with GHD, Inc., for Shoreline Sea Level Rise Study Update, Project 21-54, increasing compensation by \$300,000, for a total amount not to exceed \$399,080.

BACKGROUND AND ANALYSIS

The City has on-call engineering service agreements with GHD, Inc. (GHD), for two related North Bayshore projects: South Bay Salt Pond Restoration, Project 18-53, and Shoreline Sea Level Rise Study Update, Project 21-54. GHD's services include various technical disciplines, such as environmental and regulatory permitting, civil engineering, geotechnical engineering, structural engineering, hydraulic engineering, tidal restoration design, ecology, and fluvial geomorphology. New and amended agreements are required for the City to continue receiving GHD services in support of the implementation of these two projects as described in more detail below.

South Bay Salt Pond Restoration, Project 18-53

The California State Coastal Conservancy (CSCC) is designing improvements to restore former salt ponds in the South Bay, including Ponds A1 and A2W, that are north of Shoreline at Mountain View Regional Park. The ponds are on properties that belong to the U.S. Fish and Wildlife Service (USFWS). The City has been coordinating and partnering with the CSCC and the USFWS over the last decade to include a number of sea level rise improvements associated with the South Bay Salt Pond Restoration Project. The City contracts with GHD to assist with this coordination. Some of the work GHD

has been tasked with includes providing technical planning and engineering support to the City to collaborate with CSCC on preparing the interagency agreements, reviewing design plans and reports, and preparing engineering analyses to assess impacts to the City from the South Bay Salt Pond Project.

On August 15, 2017, the City executed an agreement with GHD for \$92,700 to provide on-call engineering services for both Charleston Slough Feasibility Study, Project 17-31 (for \$51,500), and South Bay Salt Pond Restoration, Project 18-53 (for \$41,200). On February 12, 2019, Council approved amending the agreement with GHD to add \$40,000 to Project 17-31 and \$60,000 to Project 18-53 for a total contract value of \$192,700. This agreement expired on June 30, 2021.

On December 14, 2021, Council authorized the City Manager to execute a Memorandum of Agreement (MOA) and a Habitat Easement Agreement with the USFWS to design, construct, and maintain portions of the South Bay Salt Pond project. As part of the collaboration efforts specified in the MOA, the City agrees to design and construct erosion protection along the City shoreline levee at Pond A2W to prepare for sea level rise (above the South Bay Salt Pond Restoration project's Habitat Transition Zone) and to improve the Bay Trail segment across the Mitigation Channel and the Mitigation Channel outfall to address immediate impacts to the City's stormwater infrastructure.

Due to GHD's project history and extensive experience with sea level rise and erosion protection work, staff recommends a new agreement with GHD to complete the engineering analysis, design work, and construction support services for the erosion protection project along Pond A2W and Mitigation Channel work as described in the MOA. As part of this agreement, GHD would oversee regulatory permitting requirements and applications, in collaboration with CSCC, for the construction and maintenance of the City project components. In addition, GHD would continue providing on-call technical planning and engineering support to the City with ongoing coordination with CSCC and USFWS and other regulatory agencies on the South Bay Salt Pond Restoration Project and City-led projects.

The estimated cost for the scope of work is \$549,170. An amount of \$50,830 is recommended to be included as contingency for additional services for a not-to-exceed contract amount of \$600,000. When added to the previous agreement that allocated \$101,200 from South Bay Salt Pond Restoration, Project 18-53, the total compensation to GHD from Project 18-53 will be \$701,200.

Shoreline Sea Level Rise Study Update, Project 21-54

Due to new sea level rise projections and project development, the City executed an agreement with GHD on November 6, 2020 for \$99,080 to prepare the Shoreline Sea Level Rise Study Update. Staff presented the 2021 Study Update to the City Council on June 22, 2021 and recommended 14 capital improvement projects to prepare the City for adaptation to sea level rise. At the meeting, the City Council directed staff to use the high sea level rise risk level for sea level rise planning and project design criteria.

On December 1, 2021, staff presented an update on the City's sea level rise planning and regional collaboration efforts to the Council Environmental Sustainability Committee. This report provided next steps for staff to plan and implement sea level rise projects and discussed ongoing and future collaboration efforts with regional sea level rise adaptation projects and programs.

To implement the various next steps and plans discussed, staff recommends amending the agreement with GHD to provide additional on-call engineering services for this project. Some of the tasks that GHD will be assigned in the short term include:

- Updating the design criteria of the 14 capital improvement projects to meet the high sea level rise scenario;
- Preparing a technical memorandum to document the sea level rise projections, flood risk vulnerability, implementation plan, detail cost estimate, and budget proposal for each of the 14 capital improvement projects;
- Developing an implementation plan and schedule that prioritizes the 14 capital improvement projects; and
- Developing recommendations to update City policies related to sea level rise adaptation by making adjustments to how the City manages flood risk, infrastructure operations, and land use planning.

Staff recommends amending the GHD Agreement with an additional \$300,000 to provide support for the City to address the tasks listed above. This brings the total not-to-exceed contract amount to \$399,080 for Project 21-54.

FISCAL IMPACT

South Bay Salt Pond Restoration, Project 18-53, is funded with \$4,975,000 from the Shoreline Regional Park Community Fund. Shoreline Sea Level Rise Study Update, Project 21-54, is funded with \$490,000 from the Shoreline Regional Park Community Fund. There are sufficient funds in both Project 18-53 and Project 21-54 for the recommended new agreement and amendment amounts.

ALTERNATIVES

1. Do not authorize the new and amended amendments.
2. Provide other direction.

PUBLIC NOTICING – Agenda posting

Prepared by:

Lisa Au
Assistant Public Works Director

Approved by:

Dawn S. Cameron
Public Works Director

Audrey Seymour Ramberg
Assistant City Manager/
Chief Operating Officer

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cc: SPM – Wong, SMA – Doan, F/c (18-53, 21-54)