



Office of the City Manager

CONSENT CALENDAR
June 11, 2019

To: Honorable Mayor and Members of the City Council
From: Dee Williams-Ridley, City Manager
Submitted by: Phillip L. Harrington, Director, Department of Public Works
Subject: Contract: GHD for Preparation of a Sanitary Sewer Master Plan

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to execute a contract, and any amendments and extensions with GHD in an amount not to exceed \$940,000 to provide consultant services for the preparation of a Sanitary Sewer Master Plan for the period July 1, 2019 through June 30, 2022.

FISCAL IMPACTS OF RECOMMENDATION

Funding for the preparation of the Sanitary Sewer Master Plan will be available in the Sewer Capital Program Fund with allocations of \$225,000, \$550,000, and \$165,000 from the FY 2020, FY 2021, and FY 2022 budgets respectively. These funds are subject to Council approval of the FY 2020 Annual Appropriations Ordinance. The amounts have been proposed in the FY 2020-2024 budget. No other funding is required.

FY2020, FY2021, and FY 2022 Budgets:

611-54-623-676-0000-000-472-612310-PWENSR1908.....	\$852,085
611-54-623-676-0000-000-472-612310-PWENSR1908 (10% Contingency).....	\$87,915
Total.....	\$940,000

The contract has been entered into the Contract Management System (CMS) as CMS No. N6ABY.

CURRENT SITUATION AND ITS EFFECTS

On November 13, 2018 the City issued a Request for Proposals (RFP Specification No. 18-11240-C) for preparation of a Sanitary Sewer Master Plan.

Development of the Sanitary Sewer Master Plan (Master Plan) will include flow monitoring, hydraulic modeling, condition assessment and a financial analysis of the City's Sewer Capital Program Fund. Findings from the work will be summarized in a comprehensive report which will identify areas of high inflow and infiltration and capacity deficiency in the sanitary sewer system, provide prioritization of capital improvements, develop 5-year and 15-year capital improvement plans, and analyze the City's current sanitary sewer rate structure's ability to fund future improvements. The Master Plan is a

Strategic Plan Priority Project, advancing the City's goal to provide well-maintained infrastructure and facilities. It will provide reliable information the City can use to project its long-term capital budget needs for sewer system improvements and to keep the City on target to meet its regulatory requirements.

Proposals were received from three consulting firms which provide sanitary sewer master plan services. A panel of City staff reviewed each firm's proposal with respect to the consultant's understanding of the project, the qualifications and related experience of the project team, the consultant's proposed schedule, the quality of client references, and other criteria. All three consultants were invited to make a presentation to the panel. After a thorough review and scoring of all proposals and presentations, City staff found GHD to be the most qualified firm to provide the desired services.

BACKGROUND

On September 22, 2014, the City of Berkeley, the East Bay Municipal Utility District (EBMUD), and EBMUD's other satellite agencies entered into a Consent Decree with the United States Environmental Protection Agency (EPA), the Regional Water Board, and the State Water Board. The mandate of this consent decree is to eliminate sanitary sewer overflows (SSOs) and reduce wet weather inflow and infiltration (I&I) into the sanitary sewer system. The ultimate goal is to eliminate EBMUD facility discharges of untreated or partially treated wastewater into the San Francisco Bay during storm events. Under the Consent Decree, the City agreed to replace its sanitary sewer mains at an average annual rate of no less than 4.2 miles based on a three-fiscal-year rolling average. In addition, the Consent Decree requires the City continue its sewer system condition assessment program, replace noncompliant manholes, perform spot repairs to correct acute defects, increase required maintenance activities, and continue implementing programs set forth in the City's Sewer System Management Plan (SSMP) and Asset Management Implementation Plan (AMIP).

Approximately 220 miles of sanitary sewer mains and associated laterals have been replaced since the current sanitary sewer rehabilitation program started in 1987. Another 8 miles of sanitary sewer mains are currently in construction or in design. The remaining 26 miles of sanitary sewer mains range in age from 30 to 100 years and are in need of rehabilitation or repair. The Sanitary Sewer Master Plan will assist in the prioritization of these remaining rehabilitation improvements, giving higher priority to improvements resulting in the largest reduction of I&I. In addition, the condition assessment component of the Master Plan will identify problem areas in the sewer system providing the City with information needed to better focus its sewer maintenance activities and reduce SSOs.

ENVIRONMENTAL SUSTAINABILITY

Preparation of a Master Plan will assist in the prioritization of sewer improvements. Improvements to the City's sanitary sewer system will help to minimize the frequency of SSOs, and reduce I&I into the City's sanitary sewer system, and subsequently protect water quality by minimizing impacts of untreated sewer discharge into the San Francisco Bay.

RATIONALE FOR RECOMMENDATION

The proposal from the team led by GHD received the highest overall score after a thorough assessment of all the proposals and presentations. The firm is most qualified to prepare the City's Sanitary Sewer Master Plan.

ALTERNATIVE ACTIONS CONSIDERED

No alternative actions were considered. The City does not have the staff capacity and equipment to provide the necessary civil engineering services.

CONTACT PERSON

Phillip L. Harrington, Director, Public Works (510) 981-6303

Andrew Brozyna, Deputy Director, Public Works (510) 981-6396

Nisha Patel, Manager of Engineering, Public Works (510) 981-6406

Tiffany Pham, Associate Civil Engineer, Public Works (510) 981-6427

Attachments:

1: Resolution: Contract with GHD

RESOLUTION NO. ##,###-N.S.

CONTRACT: GHD FOR PREPARATION OF A SANITARY SEWER MASTER PLAN

WHEREAS, the City of Berkeley entered into a Consent Decree with the United States Environmental Protection Agency (EPA), Regional Water Board, and State Water Board to eliminate sanitary sewer overflows (SSOs) and reduce wet weather flows by reducing inflow and infiltration (I&I); and

WHEREAS, under the Consent Decree, the City agreed to replace its sanitary sewer mains at an average annual rate of no less than 4.2 miles based on a three-fiscal-year rolling average, continue performing sewer system condition assessment, replace noncompliant manholes, perform spot repairs to correct acute defects, and increase required maintenance activities; and

WHEREAS, the City has a need for a Sanitary Sewer Master Plan, from which staff can expect reliable information that the City can use to prioritize improvements and maintenance activities, and project its long-term budget needs for system improvements as needed to comply with regulatory requirements of the Consent Decree; and

WHEREAS, the necessary civil engineering services cannot be performed by City staff due to the specialized nature of the work; and

WHEREAS, on November 13, 2018, the City released a Request for Proposals (Specification No. 18-11240-C) seeking firms or individuals to provide the sanitary sewer master plan services for the Program; and

WHEREAS, on December 18, 2018, the City received submissions from three consulting firms, and all three were invited to make a presentation before a consultant evaluation board; and

WHEREAS, after a thorough review and scoring of all proposals and presentations, City staff found GHD to be the most qualified firm to provide the desired services; and

WHEREAS, funding will be available in an allocation of \$225,000, \$550,000, and \$165,000 from the FY 2020, FY 2021, and FY 2022 Sewer Capital Program Fund budgets (Fund 611) respectively and no other funding is required; and the contract has been entered into the citywide contract database and assigned CMS No. N6ABY.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to approve a contract and any amendments and extensions with GHD for the preparation of a Sanitary Sewer Master Plan in an amount not to exceed \$940,000 for the period from July 1, 2019 through June 30, 2022. A record signature copy of said contract and any amendments is to be on file in the Office of the City Clerk.