



CITY OF SAN MATEO

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Agenda Report

Agenda Number: 12

Section Name: {{section.name}}

Account Number: 72-4671

File ID: {{item.tracking_number}}

TO: City Council
FROM: Alex Khojikian, City Manager
PREPARED BY: Public Works Department
MEETING DATE: October 21, 2024
SUBJECT:
Wastewater Treatment Plant On-Call Consulting Services – Amendment

RECOMMENDATION:

Approve Amendment No. 1 to the professional consultant services agreement with Carollo Engineers, Inc. for Wastewater Treatment Plant On-Call Consulting Services, increasing the agreement by \$450,000 for a new total agreement amount of \$850,000 and authorize the Public Works Director to execute the amendment in substantially the form presented and to amend the agreement within the budget amount.

BACKGROUND:

The City is currently under a Regional Water Quality Control Board Cease and Desist Order requiring improvements to its sewer collection system and Wastewater Treatment Plant (WWTP) to eliminate sanitary sewer overflows and unauthorized discharges of untreated or partially treated wastewater to San Francisco Bay. The Clean Water Program (CWP) includes several capital improvements that are currently under construction and intended to comply with the Cease-and-Desist Order.

As part of the CWP, the City identified capital improvements needed to maintain and/or improve wastewater treatment plant (WWTP) reliability, performance, and safety. On-call professional services consultants provide support for the CWP capital improvement projects, as well as maintenance projects implemented through the WWTP's Operations and Maintenance divisions. On-call professional services needs include but are not limited to; alternative analyses and engineering studies; design services; bid phase services; engineering services during construction; and operational support.

On August 15, 2022, City Council approved an agreement with Carollo Engineers, Inc. (Carollo) for on-call professional consulting services for a total of \$400,000 to assist the City in designing rehabilitations of the existing WWTP. Council approved a three-year agreement with the option for two, one-year extensions with additional budget of up to \$100,000 for each extension year.

Under this agreement, staff is utilizing Carollo for design and bidding services for the 3-Water Pumping and Ferric Chloride Improvements Project scope, which has utilized most of the \$400,000 agreement budget. Through the course of design, along with construction of other active WWTP construction contracts, additional scope was identified to be added to the 3-Water Pumping and Ferric Chloride Improvements Project, including conversion of the spent backwash pumps into stormwater pumps, and replacing the ferric chloride tank, pumps, and associated piping to address structural load constraints identified during the WWTP Upgrade & Expansion Project construction. Both of these efforts are recommended to be added to Carollo's design and bid services and will exceed the remaining budget balance of their agreement.

Staff is also recommending Carollo address the condition of the Dissolved Air Flotation Thickener (DAFT) tanks. The City's

WWTP currently operates a DAFT for thickening of Waste Activated Sludge (WAS) prior to digestion and centrifuge dewatering of sludge post-digestion. The DAFT is over 32 years old and a condition assessment was recently performed by V&A Consulting Engineers in October 2022 that recommended extensive structural and mechanical improvements. Carollo will be scoped to further understand the condition of the electrical and support facilities along with the structural and mechanical conditions to compare the life cycle cost of rehabilitating the DAFT or switching to a more current WAS thickening technology. Construction for a potential new facility will be under a separate contract.

For Carollo to provide engineering services for this additional scope, staff is recommending approval of Amendment No. 1 to increase the agreement by \$450,000 to complete this work and sustain the budget through August 2025 when the option to extend for an additional year and increase the budget by \$100,000 exists or the agreement expires. In addition, the amendment also updates staff names supporting the facilitation of the contract and project activities.

BUDGET IMPACT:

There are sufficient funds available in the CWP WWTP Annual Major Components (46t090) project budget.

ENVIRONMENTAL DETERMINATION:

The proposed action is exempt from environmental review under the California Environmental Quality Act (CEQA), since entering on-call professional services agreements is an organizational or administrative activity that will not result in direct or indirect significant physical changes in the environment. (CEQA Guidelines Section 15378(b)(5).) In addition, on June 6, 2016, the City Council certified a Final Programmatic Environmental Impact Report (Final PEIR) (SCH No. 2015032006), which serves as the primary environmental compliance document for implementation of the Clean Water Program. On July 16, 2018, the City approved Addendum 1 to the Final PEIR, and on April 15, 2019, approved Addendum 2. Any resultant capital improvement or operations and maintenance-related projects resulting from the on-call professional consulting services shall be reviewed on an individual basis or evaluated for consistency with the PEIR and Addenda.

NOTICE PROVIDED

All meeting noticing requirements were met.

ATTACHMENTS

Att 1 – Amendment No. 1

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