



CITY OF SAN MATEO

City Hall
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Agenda Report

Agenda Number: 16

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: July 15th, 2024

SUBJECT:

Integrated Supervisory Control and Data Acquisition System Maintenance and Improvement – Change Order

RECOMMENDATION:

Approve Contract Change Order No. 3 with Enterprise Automation, LLC for upgrading and maintaining the City's Supervisory Control and Data Acquisition system in an amount not to exceed \$151,523, for a revised total contract amount not to exceed \$350,679; extend the term of the contract through July 31, 2025; and authorize the Public Works Director to execute the change order in substantially the form presented and additional change orders within the existing contingency reserve including no-cost time extensions.

Background:

The Supervisory Control and Data Acquisition (SCADA) system allows staff to remotely monitor and control equipment at the Wastewater Treatment Plant (WWTP) and sanitary sewer and stormwater pump stations throughout the City's collection systems. Previously, the WWTP and pump station SCADA systems were standalone but have recently been integrated and updated as part of the Clean Water Program. After the integration, City staff identified additional functions that needed to be added to the SCADA system to improve functionality.

In 2017-2019, the Clean Water Program issued a Request for Qualifications to preselect system integrators to perform SCADA and Programmable Logic Controller programming. Enterprise Automation (EA) was one of three preselected system integrators. Pre-authorization familiarizes the vendor with City design standards to allow them to program in the SCADA environment without causing unintended problems or catastrophic system errors.

In October 2023, a \$40,804 Agreement through June 30, 2024, was executed with EA for the review and improvement of the Marina Lagoon Pump Station, including alarm programming updates to improve the assets after the prior significant rain events. In November 2023, Council approved Contract Change Order No. 1 to increase EA's scope and fee by \$158,352, along with a contingency reserve of \$30,000, to evaluate and implement additional functionality improvements to the SCADA system. EA is currently implementing those improvements. Last year EA created a replica of the City's SCADA system that is housed on their server system. Having this replica allows for testing of updates and changes in a safe environment prior to deployment thus insulating the City's SCADA system from unknown or unintended consequences. Contract Change Order No. 2 was recently executed to extend the term of the Agreement to July 31, 2024.

As a critical system for monitoring operations and receiving alarms, the SCADA system requires ongoing maintenance to ensure proper operation. EA is able to address both the required ongoing maintenance and system improvements needed for the integrated SCADA system. Contract Change Order No. 3 will provide \$151,523 to allow EA to continue providing WWTP SCADA system maintenance support, including priority emergency access to EA engineers, for the 2024-25 fiscal year. The previously approved \$30,000 contingency reserve remains available for the Public Works Director to authorize additional scope for any unforeseen circumstances.

BUDGET IMPACT:

Sufficient funds are available in the WWTP, Sewer, Storm, and Dale Avenue Pump Station operating budgets to cover the cost of the change order.

ENVIRONMENTAL DETERMINATION:

This Council action is exempt from CEQA in that it can be seen with certainty that there is no possibility this activity will have a significant effect on the environment, because this activity relates to software technology support and improvements without any necessary physical changes that may impact the environment. (CEQA Guidelines Section 15061(b)(3).)

NOTICE PROVIDED

All meeting noticing requirements were met.

ATTACHMENTS

Att 1 – Contract Change Order No. 3

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