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CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: May 10, 2022

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Pre-Bid Construction Management Services And Constructability Review For The El Estero Water Resource Center Electrical Distribution Renewal Project

RECOMMENDATION:

That Council authorize the Public Works Director to execute a City Professional Services contract with Mimiaga Engineering Group in the amount of \$257,626 for pre-bid construction management services and constructability review for the El Estero Water Resource Center Electrical Distribution Renewal Project, and authorize the Public Works Director to approve expenditures of up to \$25,763 for extra services of Mimiaga Engineering Group that may result from necessary changes in the scope of work.

DISCUSSION:

Background

The El Estero Water Resource Center (El Estero) is one of the most important facilities in the City of Santa Barbara and serves a critical role in the protection of the environment and public health. El Estero provides wastewater treatment, recycled water treatment, and renewable energy production, serving a population of approximately 95,000. Initially constructed in 1952, the majority of El Estero's current infrastructure was constructed in 1978.

Over the past several years, planned capital improvements have been implemented, including upgrades to the headworks system, influent pumps, tertiary treatment (recycled water), and the secondary process. These improvements have enhanced the level of treatment at the plant and have kept the facility operating reliably. Significant advancements are still required to replace other aging equipment and modernize processes. On September 20, 2016, Council authorized a contract with Brown and Caldwell (BC) to develop the El Estero Facility Plan, which produced a prioritized list of projects to implement over the next 25 years to maintain the operational performance of the facility. The replacement of the electrical power and distribution system was identified

as the top priority. This was based on overall risk factors, which include safety, the likelihood of failure, and the consequence of failure.

On August 7, 2018, Council authorized a contract with BC to develop a preliminary design for the Electrical Distribution Renewal Project (Project), with the option to continue under a separate contract through the final design. On December 17, 2019, Council authorized a contract with BC to complete the final design. BC is near completion of the design which includes installing a new waste gas flare, replacing and upgrading the electrical distribution system, replacing and upgrading the fiber optic system, and ensuring storm water compliance.

Project Description

Services consist of a review of the Plans, Specifications, permits, reports, schedules, sequencing, and estimates for the anticipated work. All relevant information will be checked, corrected, and back-checked for accuracy and completeness. A technical memorandum will be developed with recommended phasing requirements and findings from the Plans, Specifications, and cost estimate review. Mimiaga Engineering Group (MEG) will deliver the technical memorandum prior to bidding on the project. MEG will support project bidding and award. MEG is experienced in this type of work and has been selected through a Request For Proposals process that received proposals from three qualified firms, with an option to continue under a separate contract through construction.

Pre-Bid Consultant Engineering Services

Staff recommends that Council authorize the Public Works Director to execute a contract with MEG in the amount of \$257,626 for pre-bid construction management services and constructability review with \$25,763 for potential extra services for a total amount of \$283,389. A separate contract will be recommended for approval with the construction contract for construction management and inspection services, post-bid.

A copy of the contract is available for public review at the City Clerk's Office.

BUDGET/FINANCIAL INFORMATION:

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

Final Design (by Contract, previously encumbered)	\$1,665,787
Other Final Design Costs - City staff	\$100,000
Preliminary Design (by Contract, previously encumbered)	\$1,517,946
Other Preliminary Design Costs – City staff	\$54,914

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Subtotal	\$3,338,647.00
Pre-bid Construction Management/Constructability Review (by Contract, MEG)	\$283,389
Estimated Construction Contract w/Change Order Allowance	\$23,250,000
Estimated Construction Management/Inspection (by Contract, MEG)	\$3,050,080
Estimated Other Construction Costs (testing, etc.)	\$500,000
Subtotal	\$27,083,469.00
TOTAL PROJECT COST	\$30,422,116.00

SUSTAINABILITY IMPACT:

El Estero is one of the City’s largest electricity users, and the on-site cogeneration system currently provides 70 percent of its electricity. Unfortunately, the electrical infrastructure limits the total amount of potential renewable energy that can be produced on this site. This infrastructure upgrade will provide the necessary supporting infrastructure to allow for the development of solar, battery, and additional cogeneration at this site, helping meet the City’s 100 percent renewable electricity goal.

ENVIRONMENTAL REVIEW:

The Project has received a Notice of Exemption in compliance with the guidelines of the California Environmental Quality Act. Additionally, the Project has been issued Coastal Development Permit No. CDP2020-00005, under Resolution No. 040-21, allowing this development to occur.

WATER COMMISSION RECOMMENDATION:

This item was presented to the Water Commission at its meeting on April 21, 2022, and the Commission voted X-X in support of staff’s recommendations.

PREPARED BY: Philip Maldonado, P.E., Interim Principal Engineer/sk

SUBMITTED BY: Clifford M. Maurer, P.E, Public Works Director

APPROVED BY: City Administrator’s Office