



Agenda Report

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FROM: Robert Thompson, General Manager
Originator: Mike Dorman, Director of Engineering

SUBJECT:

DIGESTER P AND R DOME TENDON REPAIR, CONTRACT NO. P2-137A

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Professional Construction Services Agreement with CDM Smith Inc. to provide construction support services for Digester P and R Dome Tendon Repair, Contract No. P2-137A, as part of Digesters Rehabilitation at Plant No. 2, Project No. P2-137, for a total amount not to exceed \$209,000; and
- B. Approve a contingency of \$20,900 (10%).

BACKGROUND

CDM Smith Inc. was selected as part of a competitive, qualifications-based solicitation process to design Digesters Rehabilitation at Plant No. 2, Project No. P2-137. At the time of the solicitation, the Orange County Sanitation District (OC San) documented its intent to award a subsequent agreement to the design consultant for continuation of engineering services during construction.

During design, it was discovered that immediate dome repairs were required for Digesters P and R; therefore, a separate contract, Contract P2-137A, was created as part of Digesters Rehabilitation at Plant No. 2, Project No. P2-137. The repairs involve adding a new post-tensioned tendon system to replace the corroded tendon system that supports the domes for Digesters P and R. To complete the repairs, conflicting utilities, and appurtenances on the exterior of the digesters need to be removed, damaged concrete around the dome base needs to be replaced, and new tendons need to be installed and tensioned.

RELEVANT STANDARDS

- Comply with California Government Code Section 4526 to engage the best qualified firm “on the basis of demonstrated competence and qualifications” and “negotiate fair and reasonable fees”
- Ensure the public’s money is wisely spent
- Sound engineering and accounting practices, complying with local, state, and federal laws

PROBLEM

This project requires the design consultant to provide as-needed services during construction including submittal review, responding to the Contractor's requests for information, reviewing construction change orders, participating in meetings, attending site visits, and preparing record drawings.

PROPOSED SOLUTION

Approve a Professional Construction Services Agreement with the design consultant, CDM Smith Inc., to provide engineering support services during construction.

TIMING CONCERNS

Engineering support services will be required at the start of construction. Construction is anticipated to start in August 2024.

RAMIFICATIONS OF NOT TAKING ACTION

The engineering support services needed to facilitate and review construction activities would not be available by the Engineer of Record, which may negatively impact the contract execution.

PRIOR COMMITTEE/BOARD ACTIONS

March 2022 - Approved a Professional Design Services Agreement with CDM Smith Inc. to provide engineering services for Digesters Rehabilitation at Plant No. 2, Project No. P2-137, for an amount not to exceed \$2,700,000 and approved a contingency of \$270,000 (10%).

ADDITIONAL INFORMATION

CDM Smith Inc. has successfully furnished engineering services for the design of this project and their support services during construction will provide continuity through the completion of the project.

Staff negotiated with CDM Smith Inc. for these support services in accordance with OC San's adopted policies and procedures. A review of the proposed price was conducted using estimated quantities of requests for information, submittals, meetings, site visits, change order reviews, and design revisions, as well as the level of effort for preparing record drawings. Based on this review, staff determined the negotiated fee to be fair and reasonable for these services. Staff is requesting a 10 percent contingency in case unanticipated professional construction services are needed during construction.

CEQA

The project is exempt from CEQA under the Class 1 categorical exemptions set forth in California Code of Regulations section 15301. A Notice of Exemption was filed with the OC Clerk-Recorder for P2-137 after the OC San's Board of Directors approval of the Design Contract on March 23, 2022.

FINANCIAL CONSIDERATIONS

This request complies with the authority levels of OC San's Purchasing Ordinance. This item has been budgeted (Budget FY 2024-25 and 2025-26, Section 8, Page 74, Digesters Rehabilitation at Plant No. 2, Project No. P2-137) and the budget is sufficient for the recommended action.

ATTACHMENT

The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

- Professional Construction Services Agreement

RL:lb