



## Agenda Report

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

**SUBJECT:**

**OCEAN OUTFALL SYSTEM REHABILITATION, PROJECT NO. J-117**

**GENERAL MANAGER'S RECOMMENDATION**

RECOMMENDATION:

Approve a contingency increase of \$727,933 (8.5%) to the Professional Construction Services Agreement with Brown and Caldwell for Ocean Outfall System Rehabilitation, Project No. J-117, Outfall Low Flow Pump Station, Contract No. J-117B, for a new total contingency not to exceed \$1,584,324 (18.5%).

**BACKGROUND**

Orange County Sanitation District's (OC San) Ocean Outfall System Rehabilitation, Project No. J-117, has two construction contracts. The second and final construction contract is the Outfall Low Flow Pump Station, Contract No. J-117B, which will construct a new Outfall Low Flow Pump Station and rehabilitate the existing Ocean Outfall Booster Station. The contract also includes construction of a new plant water pump station required to separate reclaimable and non-reclaimable flows to support OCWD's reclamation of Plant No. 2 effluent, the replacement of several 12kV switchgear lineups at the heart of the Plant No. 2 power distribution system, construction of an electrical SCADA System similar to Plant No. 1, and network upgrades.

Brown and Caldwell is currently under contract to provide professional construction services to support the construction of Contract No. J-117B.

**RELEVANT STANDARDS**

- Ensure the public's money is wisely spent

**PROBLEM**

The level of effort assumed in the Professional Construction Services Agreement included assumptions such as the number of resubmittals, requests for information (RFIs), and design changes due to unexpected field conditions. These assumptions were based on the best available information and experience from past projects. Due to project complexity, the effort to support these items has been higher than past projects. The level of effort to complete the job is projected to

exceed what was anticipated due to more resubmittals, RFIs, design changes, testing, and additional scope of work items. In addition, the construction schedule is currently being extended by eight months due to construction delays.

Examples of additional construction services that were not part of the original scope of work include: (1) additional dewatering support during construction; (2) electrical design modifications to allow CenGen to feed standby power to the Trickling Filter Pump Stations to maintain permit compliance during a power outage; (3) programming of the industrial control system network switches; and (4) development of enhanced Operations and Maintenance manuals and standard operating procedures and associated training.

## **PROPOSED SOLUTION**

Approve a contingency increase to the Professional Construction Services Agreement.

## **TIMING CONCERNS**

If this amendment is not approved, we may run out of budget to provide the remaining professional services to support construction.

## **RAMIFICATIONS OF NOT TAKING ACTION**

The Professional Construction Services Agreement “not to exceed” fee will not be sufficient to appropriately provide the remaining professional construction service and OC San will need to utilize staff or other services to complete the project.

## **PRIOR COMMITTEE/BOARD ACTIONS**

December 2018 - Approved a Professional Construction Services Agreement with Brown and Caldwell to provide construction support services for Ocean Outfall System Rehabilitation, Project No. J 117, Outfall Low Flow Pump Station, Contract No. J 117B, for a total amount not to exceed \$8,563,913; and approve a contingency of \$856,391 (10%).

## **ADDITIONAL INFORMATION**

N/A

## **CEQA**

An Initial Study/Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the Outfall Low Flow Pump Station, Contract No. J-117B, was adopted by the Board on September 27, 2017. The Notice of Determination was filed with the OC Clerk-Recorder on October 2, 2017.

## FINANCIAL CONSIDERATIONS

This request complies with the authority levels of OC San's Purchasing Ordinance. This item has been budgeted (Budget Update, Fiscal Year 2023-2024, Appendix A, Page 8, Ocean Outfall System Rehab, Project No. J-117) 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](http://www.ocsan.gov)) with the complete agenda package:*

- Presentation

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