

Project Work Order Amendment: Engineering Services During Construction - Disinfection Improvement Project



Mike Prinz – Deputy Director Regional Water Reuse Operations

6/12/2024



06/25/2024



08/16/2024



08/01/2024



08/16/2024



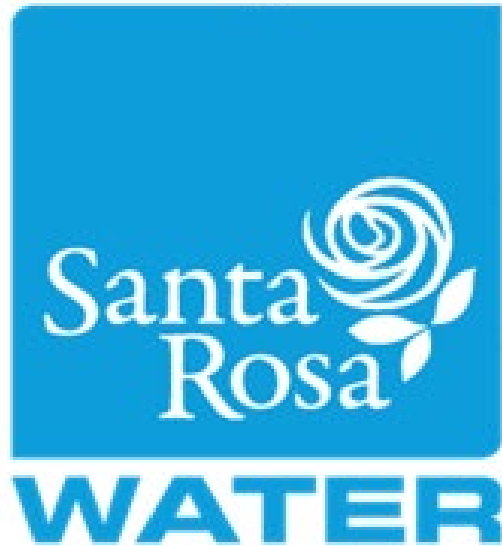


Kennedy Jenks

Hazen

PSOMAS

Brown AND
Caldwell



Merritt Smith

What are ESDC, typically?

1. Contractor Submittal review to ensure materials and equipment are acceptable
 2. Formal Responses to Requests for Information
 - Often require engineering analysis, meetings
 3. Development and issuance of design clarifications
-
- NOTE: ESDC are neither Construction Management nor Inspection

Why are more services needed?

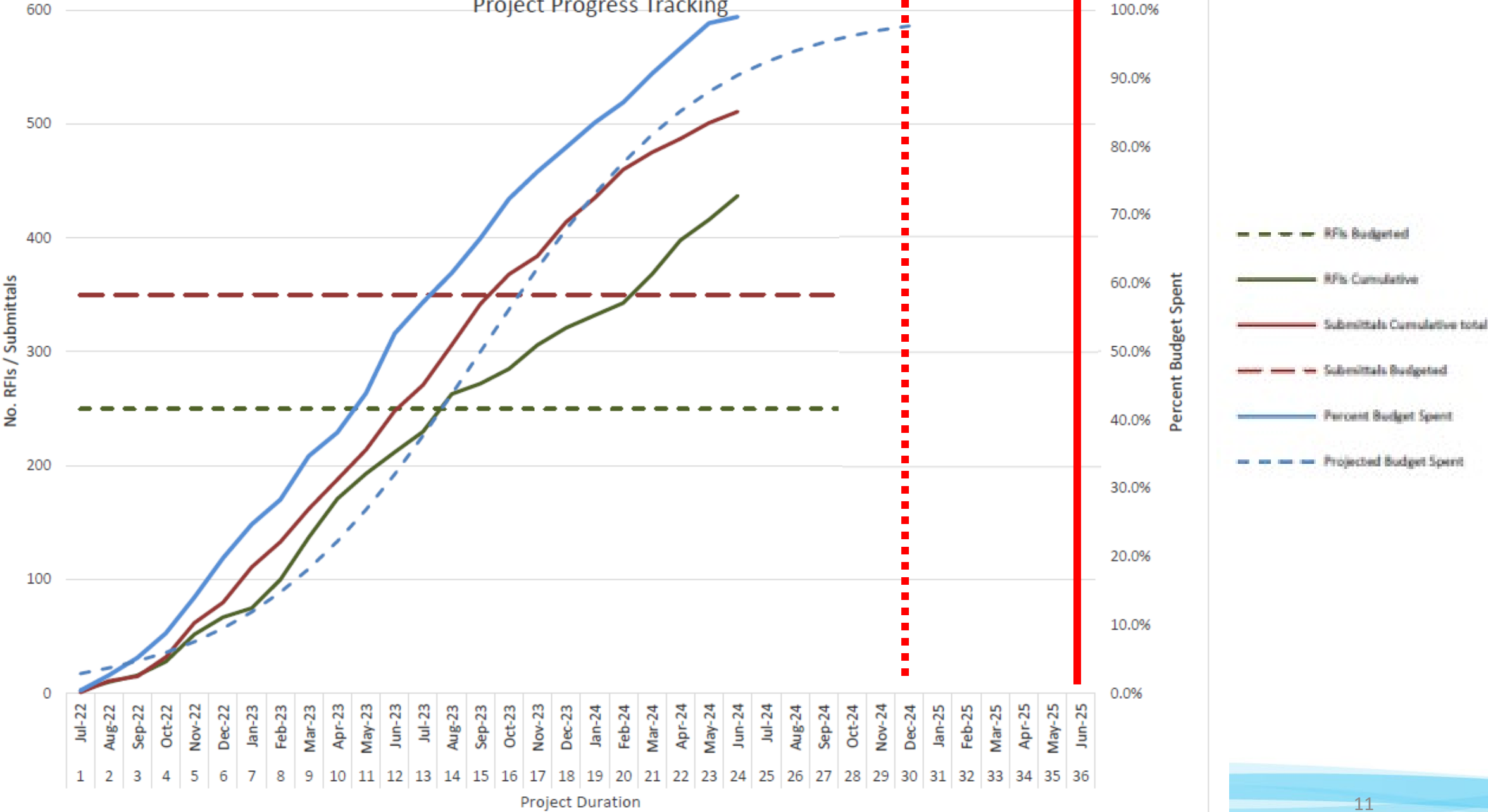
- November 2020: Original ESDC Contract with Carollo
30 month construction assumed
- May 2022: Awarded contract to Contractor
36 month construction duration allocated in contract documents
- During construction:
Unanticipated regulatory support required
Division of Drinking Water
Bay Area Air Quality Management District

Note: Construction completion anticipated in June, 2025

Carollo Contract – Project History

PWO Number Approval Date	Approving Authority	Purpose/Need	Amount
A010014-2011-09 01/07/2016	BPU	Initial design	\$2,803,599
A010014-2011-09A 08/15/2019	BPU	Unanticipated design changes and Tubbs fire delay	\$1,584,655
A010014-2011-09B 11/19/2020	BPU	Original ESDC scope	\$2,131,132
A010014-2011-09C 09/16/2021	BPU	Additional design changes, equipment supplier coordination, and delays	\$750,000
A010014-2011-09D 03/08/2022	Director	Title 22 Engineering Report Additions	\$15,000
A010014-2011-09E (proposed)	BPU	Additional ESDC Scope and Regulatory Support	\$1,170,989
TOTAL			\$8,455,375

Santa Rosa ESDC 8871G20
Project Progress Tracking



Specific Scope Increases

Task	Original Anticipation	Current Forecast	Percent Increase	Budget Increase
100 ESDC Project Management	30 months	40 months	33	\$49,402
200 Progress Meetings and Site Visits	30 months	40 months	33	\$94,956
300 Submittal Review	350 submittals	560 submittals	60	\$425,669
400 RFI Review	250 RFIs	500 RFIs	100	\$397,921
500 Design Clarifications	20 DCs	50 DCs	25	\$54,011
1000 Discipline Engineer Visits	\$62,218	\$95,505	40	\$27,287
001 Regulatory Compliance Project Management	\$451,951	\$519,744	15	\$67,793
009 Regulatory Compliance Support	\$107,900	\$161,850	50	\$53,950
TOTAL				\$1,170,989

Recommendation

It is recommended by the Transportation and Public Works Department and Santa Rosa Water that the Board of Public Utilities, by motion, approve Amendment No. 5 to Project Work Order No. A010014-2011-09 under the Master Professional Services Agreement with Carollo Engineers, Inc. of Walnut Creek to provide additional Engineering Services During Construction and regulatory compliance support for the Laguna Treatment Plant Disinfection Improvements Project in the amount of \$1,170,989 for a total contract amount not to exceed \$8,455,375.

Questions?