

Olivehurst Public Utility District



Agenda Item Staff Report

Meeting Date: 11/16/23

Item description/summary:

Consider approving Services During Construction (Construction Management) proposal for Plumas Water Treatment Plant Manganese Filter Expansion Project.

Olivehurst Public Utility District (OPUD) has received Construction Service Management Proposal via Jim Carson of Affinity Engineering to do Construction Management Services during the duration of the project. This portion includes construction services via Frisk Engineering which deals with the Electrical portion.

Fiscal Analysis:

OPUD has reservation of \$3-3.1 million for this project.
Construction services will bring Project total to \$2.97 Million.
This construction service addition will keep project under budget.

Employee Feedback

n/a

Sample Motion:

Move forward to approve Proposal for Service During Construction for Plumas Water Treatment Plant Manganese Filter Expansion Project.

Prepared by: Swarnjit Boyal, Public Work Engineer

**DOCUMENT A – PLUMAS LAKE WATER TREATMENT PLANT
SERVICES DURING CONSTRUCTION**



October 12, 2023

Mr. Swarnjit Boyal
Olivehurst Public Utility District
1970 9th Avenue
Olivehurst, CA 95961

**Subject: Olivehurst Public Utility District
Plumas Lake Water Treatment Plant Services During
Construction**

Dear Mr. Boyal,

Affinity Engineering Inc. (Affinity) is pleased to provide a proposal to Olivehurst Public Utility District (OPUD) to provide services during construction and PLC programming that is associated with the additional water treatment capacity that is being added to the Plumas Lake Water Treatment Plant (WTP). Affinity will subcontract to Frisch Engineering to provide CM services that are associated with the electrical work being constructed at the plant as well as the programming of the PLC. This proposal sets forth the Scope of Service, Fee Estimate, and Terms and Conditions in the following sections.

Scope of Services

The scope of services includes reviewing submittals, responding to requests for information (RFI), completing change orders, site visits to oversee work provided, attending project meetings, and providing support to the District Engineer and operations.

Frisch Engineering, Inc. to provide support services for the electrical and instrumentations as well as programming of the PLC per the project new control system per their proposal in Appendix B.

Fee Estimate

The total estimated fee to design the manganese treatment system is \$307,000 and is based on a time and material not to exceed without prior approval from the OPUD. Reimbursable expenses and sub-consultants will be billed at cost plus 15 percent. A breakdown of the costs is included in Appendix A.

Terms and Conditions

Same Terms and Conditions as Affinity's current Task Orders with OPUD.

This estimate does not include any SCADA programming. Affinity is currently soliciting a quotation from Primex Controls to update the existing SCADA system to communicate with the new PLC that is being installed to replace the Plant's existing PLC. The cost for SCADA programming will be provided to OPUD directly from Primex.

Please let me know if you have any questions,

A handwritten signature in black ink, appearing to read "J.D. Carson".

James D. Carson, P.E.
Affinity Engineering Inc.
(916) 613-7582

Appendix A

Civil Engineering Detailed Estimate

Affinity Engineering - Detailed Cost Estimate

Project: Plumas Lake WTP CM Services

Task	Description	Senior Engineer (Hours)	Affinity Cost	Other Direct Costs		Task Cost
				Frisch	Markup	
1 Project Management						
	Project Management	100	\$20,000	\$0	\$0	\$20,000
	Meetings	150	\$30,000	\$0	\$0	\$30,000
2 Construction Services						
2.1	Construction Services	225	\$45,000	\$107,000	\$16,050	\$168,050
3 PLC Programming						
3.1	PLC Programming	50	\$10,000	\$68,000	\$10,200	\$88,200
	Subtotals	525	\$105,000	\$175,000	\$26,250	\$306,250
	Hourly Rate \$/hr.	\$200				