



Jacobs
2600 Michelson Drive
Suite 500
Irvine, CA 92612

T 949-224-7562
www.jacobs.com

August 12, 2019

Mr. Daniel Thomas
Civil Engineering Associate
Eastern Municipal Water District
2270 Trumble Road
Post Office Box 8300
Perris, CA 92572-8300

Subject: Proposal for As Needed Hydrogeologic Services, Category 1) Modeling & Planning Studies

Dear Mr. Thomas:

Jacobs Engineering Group Inc. (Jacobs) is pleased to submit this proposal to Eastern Municipal Water District (the District) to provide As Needed Hydrogeologic Services, Category 1: Modeling & Planning Studies to the Groundwater Development Group of the Groundwater Management and Facilities Planning Department. Jacobs has developed this proposal based on discussion with District staff on August 8, 2019, the District's Agreement No. 117498 for Hydrogeological Services Category 1 – Modeling and Planning Studies dated April 22, 2019, and Jacobs' Proposal for As Needed Hydrogeologic Services, Category 1) Modeling & Planning Studies dated November 15, 2018, in response to the District's Request for Qualifications (RFQ) No. 3078, dated October 11, 2018.

Jacobs proposes to provide one Senior Hydrogeologist (Mr. Alan Bradford) to work in the District's Perris, California office for up to 3 days per week for a period of approximately 16 weeks (4 months). As discussed with the District, Jacobs has included travel costs from Jacobs' Irvine, CA office to the District's Perris, CA office. Jacobs understands that Mr. Bradford will report directly to Mr. Daniel Thomas, Civil Engineering Associate, and alternatively report to Mr. John Daverin, Senior Engineering Geologist or Mr. Brian Powell, Director of Groundwater Management and Facilities Planning. Jacobs also understands Mr. Bradford's work may be performed at Jacobs' Irvine, CA office and work may be delegated by Mr. Bradford to other Jacobs' staff, if needed, subject to verbal approval of additional staff in advance by the District.

Jacobs considers the District to be one of our most important clients. We see this as a great opportunity to further collaborate with the District by continuing to offer our expertise, knowledge and the leadership of our locally-based staff. Our team is a local resource base, backed by one of the world's largest global engineering enterprises. The estimated cost for for completing the proposed scope of work is **\$88,360**.

Exhibit 1 presents the estimated hours and costs associated with each task for this proposal. A detailed breakdown of estimated hours and costs associated with each task/subtask for the change order is included as **Attachment A**. Jacobs' labor rates from our Proposal for As Needed Hydrogeologic Services, Category 1) Modeling & Planning Studies dated November 15, 2018 are included as **Attachment B**.

Exhibit 1
Detailed Labor and Cost Estimate

Task	Hours	Labor	Expense	Budget Total
Task 1 – Project Management – Original Budget	30	\$4,812	\$0	\$4,812
Task 2 – As Needed Hydrogeologic Services – Modeling & Planning Studies	392	\$79,968	\$3,580	\$83,548
Total Project Budget – As Needed Hydrogeologic Services – Modeling & Planning Studies	422	\$84,780	\$3,580	\$88,360

Jacobs appreciates the opportunity to be of service to the District. If you have questions or require additional information, please contact Alan Bradford at (949) 224-7562.

Sincerely,

Jacobs Engineering Group, Inc.



Alan Bradford, P.G., C.Hg.
Senior Project Manager

Jacobs Engineering Group, Inc.



Fred Soroushian, P.E.
Vice President and Client Account Manager

Attachment A - Detailed Cost Estimate for As Needed Hydrogeologic Services - Modeling & Planning Studies

	Staff	Principal	Project Manager/ Sr. Hydro	Staff Hydrogeologist	Field Geologist	Admin Support/ CAD/Graphics	Total Labor Hours	Total Labor Cost (\$)
	Bill Rate	\$246	\$204	\$163	\$137	\$95		
TASK 1: PROJECT MANAGEMENT								
Monthly Progress Reports, Schedule Updates, and Invoicing			18			12	30	\$4,812
TASK 1 SUBTOTALS		0		0	0	12	30	\$4,812
TASK 2: As Needed Hydrogeologic Services - Modeling & Planning Studies								
As Needed Hydrogeologic Services - Modeling & Planning Studies			392				392	\$79,968
Expenses								\$3,580
TASK 2 SUBTOTALS		0	392	0	0	0	392	\$83,548
PROJECT TOTALS								
PROJECT TOTAL HOURS (TASKS 1 THRU 2)		0	410	0	0	12	422	--
PROJECT LABOR COST (TASK 1 THRU 2)		\$0	\$83,640	\$0	\$0	\$1,140	--	\$84,780
PROJECT EXPENSES COST (TASK 1 THRU 2)		--	--	--	--	--	--	\$3,580
							PROJECT TOTAL COST	\$88,360

**Attachment B – Labor Rates for As Needed Hydrogeologic Services, Category 1)
Modeling & Planning Studies**

RFQ PRICE FORM		
Item	Description	Hourly Rate
1	Principal	\$246
2	Senior Hydro Geologist	\$204
3	Staff Hydro Geologist	\$163
4	Staff Geologist	\$137
5	Field Technician	\$119
6	Admin Support	\$95

Note:

¹Travel costs to the District's office and facilities shall be reimbursed at cost. Personal vehicle mileage shall be reimbursed at a rate of 58 cents/mile (\$0.58/mile).

The Project shall begin 3 working days after receipt of order or notice to proceed.