

Exhibit B

Crystal Springs Dam Bridge Replacement Project Construction Management CONSTRUCTION MANAGEMENT COST PROPOSAL - HOUR SUMMARY

Last Updated: 1/31/2018

		2.58599	2.31374	Construction												Post-Con, Closeout, PG&E Work											
		Home Office	Field	# hours	# months	2017												2018									
Project Title	Name	2017 Raw Rate	2017 Loaded Rate	2017 Loaded Rate		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov			
Project Manager**	Jon Porterfield	\$ 88.41	\$ 228.63	N/A	96										24	24	24	24	0	0	0	0	0	0			
Resident Engineer	Steve Tisell	\$ 74.04	N/A	\$ 171.31	464											128	168	168	168	0	0	0	0	0			
Office Engineer	Michelle Barnett	\$ 51.42	N/A	\$ 118.97	464											128	168	168	168	0	0	0	0	0			
Field Lead*	Michael Thomas	\$ 78.03	N/A	\$ 180.54	0										0	0	0	0	0	0	0	0	0	0			
Field Lead*	Ed Fitzgibbon	N/A	N/A	N/A	40									40													
Field Lead*	Al Cochran	N/A	N/A	N/A	288									40	168	80	0	0	0	0	0	0	0	0			
Field Inspector*	Terry Deck	N/A	N/A	N/A	624									40	168	168	168	80									
Environmental Review Officer	Kevin Melanephy	\$ 48.93	\$ 126.53	N/A	0											0	0	0	0	0	0	0	0	0			
Materials Representative	Dave McClary	\$ 90.03	N/A	\$ 208.31	0											0	0	0	0	0	0	0	0	0			
Safety Officer	Shannon Couch	\$ 57.42	\$ 148.49	N/A	0											0	0	0	0	0	0	0	0	0			
Technical Advisor	Victor Maletic	\$ 85.66	\$ 221.52	N/A	0											0	0	0	0	0	0	0	0	0			
Scheduler	Richard No	\$ 88.53	\$ 228.94	N/A	72											8	24	40	0	0	0	0	0	0			
Total					2,048		0	0	0	0	0	0	0	120	360	536	552	480	0	0	0	0	0	0			
# FTEs							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	2.14	3.19	3.29	2.86	0.00	0.00	0.00	0.00	0.00	0.00			

Notes:

* Inspector's hourly rates are subject to the prevailing wage requirements.

** PM rate is capped at current rate

1. Assume 3.5% annual merit increase.
2. The CM Office staff use Field Loaded Rate. Other staff uses Home Office Loaded Rate.
3. Assume 168 hours per month for full-time positions.
4. Material testing is performed by subconsultant AME on a as-needed basis.
5. Assume construction ends in January 2018 based on Kiewit's schedule
6. Assume only one inspector is required after December 2017
7. Assume an average of 24MH/week of overtime.
8. Ed Fitzgibbon's billing rate is capped at Michael Thomas' approved rate.

Hours/Cost Summary

Project Title	Name	2017 Raw Rate	2017 Home Office	2017 Field	Total Hrs	Total Cost	Cost %
Project Manager**	Jon Porterfield	\$ 88.41	\$ 228.63	N/A	96	\$ 22,716	7%
Quality Control Manager	Wen Huang	\$ 82.89	\$ 214.35	N/A	0	\$ -	0%
Resident Engineer	Steve Tisell	\$ 74.04	N/A	\$ 171.31	464	\$ 82,270	25%
Office Engineer	Michelle Barnett	\$ 51.42	N/A	\$ 118.97	464	\$ 57,135	17%
Field Lead*	Michael Thomas	\$ 78.03	N/A	\$ 180.54	0	\$ -	0%
Field Lead*	Ed Fitzgibbon	N/A	N/A	N/A	40	\$ 7,474	2%
Field Lead*	Al Cochran	N/A	N/A	N/A	288	\$ 52,889	16%
Field Inspector*	Terry Deck	N/A	N/A	N/A	624	\$ 93,845	28%
Environmental Review Officer	Kevin Melanephy	\$ 48.93	\$ 126.53	N/A	0	\$ -	0%
Materials Representative	Dave McClary	\$ 90.03	N/A	\$ 208.31	0	\$ -	0%
Safety Officer	Shannon Couch	\$ 57.42	\$ 148.49	N/A	0	\$ -	0%
Technical Advisor	Victor Maletic	\$ 85.66	\$ 221.52	N/A	0	\$ -	0%
Scheduler	Richard No	\$ 88.53	\$ 228.94	N/A	72	\$ 17,060	5%
SubTotal					2,048	\$ 333,390	100%
Applied Materials & Engineering, Various						\$ 108,000	
Subconsultant Total							

3.50% merit increase on hourly rate

2017 Hrs	2017 Rate	2017 Cost
0	\$ 228.63	\$ -
0	\$ 214.35	\$ -
0	\$ 171.31	\$ 82,270
0	\$ 118.97	\$ -
0	\$ 180.54	\$ -
0	N/A	\$ -
0	N/A	\$ -
0	N/A	\$ -
0	\$ 126.53	\$ -
0	\$ 208.31	\$ -
0	\$ 148.49	\$ -
0	\$ 221.52	\$ -
0	\$ 228.94	\$ -
0		\$ -

2018 Hrs	2018 Rate	2018 Cost
96	\$ 236.63	\$ 22,716
0	\$ 221.86	\$ -
464	\$ 177.31	\$ 82,270
464	\$ 123.14	\$ 57,135
0	\$ 186.86	\$ -
40	\$ 186.86	\$ 7,474
288	\$ 183.64	\$ 52,889
624	\$ 150.39	\$ 93,845
0	\$ 130.96	\$ -
0	\$ 215.60	\$ -
0	\$ 153.68	\$ -
0	\$ 229.27	\$ -
72	\$ 236.95	\$ 17,060
2,048		\$ 333,390

Overtime allowance		\$ 118,239
Other Direct Costs (attached)		\$ 12,120
Total		\$ 571,749



APPLIED MATERIALS & ENGINEERING, INC.

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December 15, 2017

Project No.1160080T

Jon Porterfield, PE, LEED AP
Vice President, Northern California Transportation PMCM
AECOM
300 California Street, Suite 600
San Francisco, CA 94104-4538

Subject: Additional Fees for Materials Sampling & Testing Services
Crystal Springs Dam Bridge Replacement, San Mateo County

Dear Mr. Porterfield:

We are requesting additional funds as follows for the subject project. These services were not anticipated when we generated our fee proposal.

Original Budget \$ 159,865.00

Additional Services in 2017: \$ 53,000.00

1. Compaction testing services for benching; approximately 55 days during October, November and December 2017 with overtime.

Additional Services Anticipated in 2018: \$ 55,000.00

1. Approximately 20 concrete placements.
2. Compaction testing services for minor backfill; approximately 3 to 5 days.
3. Railing, stair and catwalk source inspections; approximately 15 days.
4. Polyester concrete testing.

Additional Budget Request \$ 108,000.00

Revised Project Budget \$ 267,865.00

Please call if you have questions regarding the above.

Sincerely,

APPLIED MATERIALS & ENGINEERING, INC.

Mohammed Faiyaz, SCPM, PE
Senior Project Manager

CLIENT APPROVAL:

Jon Porterfield, PE, LEED AP
Vice President