

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	0.57										24	24	24	24	0	0	0	0	0	0
Resident Engineer	Steve Tisell	\$ 74.04	N/A	\$ 171.31	464	2.76											128	168	168	0	0	0	0	0	0
Office Engineer	Michelle Barnett	\$ 51.42	N/A	\$ 118.97	464	2.76											128	168	168	0	0	0	0	0	0
Field Lead*	Michael Thomas	\$ 78.03	N/A	\$ 180.54	0	0.00										0	0	0	0	0	0	0	0	0	0
Field Lead*	Ed Fitzgibbon	N/A	N/A	N/A	40	0.24									40										
Field Lead*	Al Cochran	N/A	N/A	N/A	288	1.71									40	168	80	0	0	0	0	0	0	0	0
Field Inspector*	Terry Deck	N/A	N/A	N/A	624	3.71									40	168	168	168	80						
Environmental Review Officer	Kevin Melanephy	\$ 48.93	\$ 126.53	N/A	0	0.00											0	0	0	0	0	0	0	0	0
Materials Representative	Dave McClary	\$ 90.03	N/A	\$ 208.31	0	0.00											0	0	0	0	0	0	0	0	0
Safety Officer	Shannon Couch	\$ 57.42	\$ 148.49	N/A	0	0.00											0	0	0	0	0	0	0	0	0
Technical Advisor	Victor Maletic	\$ 85.66	\$ 221.52	N/A	0	0.00											0	0	0	0	0	0	0	0	0
Scheduler	Richard No	\$ 88.53	\$ 228.94	N/A	72	0.43											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						\$118,239		
Overtime allowance						\$ 12,120		
Other Direct Costs (attached)						\$ 571,749		
Total								

2017 Hrs	2017 Rate	2017 Cost
0	\$ 228.63	\$ -
0	\$ 214.35	\$ -
0	\$ 171.31	\$ -
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		\$ -

3.50% merit increase on hourly rate

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



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