

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>AECOM/LAN</b>	SCOPE OF WORK: <b>Engineering/Design</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
Bill Hagmaier	Project Manager	1,185	@ \$81.51	\$96,589.35	
Jon Hermstad	Structure Lead Engineer	346	@ \$58.39	\$20,202.94	
Paul Lau	Project Engineer (Roadway)	1,810	@ \$51.71	\$93,595.10	
Robert Wong	Project Engineer (Drainage)	864	@ \$54.45	\$47,044.80	
Jun Quinoveva	Project Engineer (Structures)	710	@ \$55.04	\$39,078.40	
EngChong Voon	Assistant Engineer (Drainage)	922	@ \$44.93	\$41,425.46	
Heng Chow	Assistant Engineer (Roadway)	2,146	@ \$46.25	\$99,252.50	
Dong Kim	Design Engineer (Structures)	492	@ \$44.91	\$22,095.72	
Ray Andrasek	Structural CADD	490	@ \$53.47	\$26,200.30	
Mauro Mamawal	CADD	1,454	@ \$29.83	\$43,372.82	
Jimmy McAninch	Architectural Tech	160	@ \$34.62	\$5,539.20	
Nora Castellanos	Project Management Assistant	250	@ \$31.06	\$7,765.00	
Brian Smith	QA/QC	294	@ \$61.18	\$17,986.92	
		<b>TOTAL HOURS</b>	<b>11,123</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$560,148.51</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	153.40%	(of Direct Labor + Escalation)	\$859,267.81
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$141,941.63
<b>TOTAL MULTIPLIERS</b>			<b>\$1,001,209.45</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Reproduction	35000	Actual Cost @	\$1.00	\$35,000.00
Travel (including rental car)	3200	Actual Cost @	\$0.55	\$1,760.00
Postage/delivery	80	Actual Cost @	\$25.00	\$2,000.00
<b>TOTAL ODC'S</b>				<b>\$38,760.00</b>

**TOTAL \$1,600,117.96**

**SUBCONSULTANT MANHOOUR WORKSHEET**

COMPANY: **AECOM/LAN** PROJECT: **Cajalco Road Widening Project** SCOPE OF WORK: **Engineering/Design** PHASE: **Phase I** DATE: **July 31, 2014**

TASK	PROJECT MANAGER	STRUCTURE LEAD ENGINEER	PROJECT ENGINEER (ROADWAY)	PROJECT ENGINEER (STRUCTURES)	PROJECT ENGINEER (DRAINAGE)	ASSISTANT ENGINEER (ROADWAY)	ASSISTANT ENGINEER (STRUCTURES)	STRUCTURAL CLAB	ARCHITECTURAL TECH	PROJECT MANAGEMENT ASSISTANT	HOURS	COST	
	\$227.20	\$162.76	\$144.14	\$151.77	\$153.42	\$125.24	\$128.92	\$125.18	\$149.04	\$83.15	\$66.50	\$86.58	\$170.53

<b>Total Manhours</b>	<b>1,185</b>	<b>346</b>	<b>1,810</b>	<b>864</b>	<b>710</b>	<b>922</b>	<b>2,146</b>	<b>492</b>	<b>490</b>	<b>1,454</b>	<b>160</b>	<b>250</b>	<b>294</b>	<b>11,123</b>
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TASK	PROJECT MANAGER	STRUCTURE LEAD ENGINEER	PROJECT ENGINEER (ROADWAY)	PROJECT ENGINEER (STRUCTURES)	PROJECT ENGINEER (DRAINAGE)	ASSISTANT ENGINEER (ROADWAY)	ASSISTANT ENGINEER (STRUCTURES)	STRUCTURAL CLAB	ARCHITECTURAL TECH	PROJECT MANAGEMENT ASSISTANT	HOURS	COST
<b>T1 PROJECT MANAGEMENT, COORDINATION &amp; MEETINGS</b>												
1.02 Meetings	80	40				80					200	\$ 34,255
1.02 Meetings (Additional)	80	90				60					230	\$ 38,863
<b>T4 PRELIMINARY ENGINEERING TASKS</b>												
4.01 Review As-Builts and Record Data		8				18					44	\$ 5,728
4.03 Existing Utilities Data		8				16					40	\$ 5,220
4.04 Survey Coordination with County		16									16	\$ 2,306
4.05 Hydrology & Hydraulic Report	36		240			60			24	24	384	\$ 58,290
4.06 WQMP & BMP Feasibility Study	20		120			80				8	228	\$ 34,140
4.07 Site Assessment and Identify Constraints	16	8	24	16							64	\$ 10,825
4.08 Planning Studies & Concept Alignment Alts												
4.08.01 Alternatives for avoidance of MWD & cultural sites	34	16	60	48		120		80	120	16	552	\$ 72,814
4.08.02 Additional alignment study - Alt 3	226	28	380	168	218	300	450	120	154	262	2,394	\$ 335,940
4.08.03 Additional alignment study - Alt 4	68	16	100	48	80	60	160	48	80	80	752	\$ 105,470
4.08.04 Additional study - Alt 1 ultimate 6-lane condition	32		68			120			100	16	348	\$ 44,288
4.08.05 Additional study - Alt 2 ultimate 6-lane condition	20		48			70			60	12	222	\$ 28,561
4.09 Draft Preliminary Cost Estimates	8	12	40	24	24					16	124	\$ 19,589
4.10 Evaluate Concept Alignment Alternatives	8	12	16	12		20					68	\$ 10,476
4.11 Prepare Conceptual Alignment Report	40	10	40	8		24	8	8	24	16	190	\$ 28,595
4.12 Develop Final Alternatives Alignment	118	16	192	48	24	112	324	48	300	40	1,222	\$ 161,626
4.14 Structural Advance Planning Studies	32	84		160		40	48			24	412	\$ 63,821
4.15 Staging & Constructability Review	16	8	30	8	8	20	28			12	130	\$ 19,864
4.16 Identify Utility Conflicts & Impacts	3		20			12				4	39	\$ 5,793
4.17 Right-of-Way Requirements	8		28						48		84	\$ 9,845
4.18 Design Exceptions	6		16			20					42	\$ 6,248
4.19 Final Preliminary Cost Estimates	12	4	80	4	8	60	40	40	28	12	256	\$ 34,862
4.20 Project Report Equivalent	90	40	100	16	32	48	48	40	120	40	566	\$ 79,804
4.22 Presentation Exhibits	2		8					24			34	\$ 3,603
4.23 Video for Public Outreach	2							160			162	\$ 15,894
4.24 Coord & Review Development Projects	40		80			60		40		8	228	\$ 32,373
4.25 Coordination Work with RCF&WCD	40	40	80	120		200	80				560	\$ 80,703

**SUBCONSULTANT MANHOOR WORKSHEET**

COMPANY: **AECOM/LAN** SCOPE OF WORK: **Engineering/Design** PHASE: **Phase I**

PROJECT: **Cajalco Road Widening Project** DATE: **July 31, 2014**

TASK	PROJECT MANAGER	STRUCTURE LEAD ENGINEER	PROJECT ENGINEER (ROADWAY)	PROJECT ENGINEER (STRUCTURES)	PROJECT ENGINEER (MANAGE)	PROJECT ENGINEER (STRUCTURES)	ASSISTANT ENGINEER (MANAGE)	ASSISTANT ENGINEER (ROADWAY)	DESIGN ENGINEER (STRUCTURES)	STRUCTURAL-CADD	ARCHITECTURAL TECH ASSISTANT	COURS	COST
4.26 Environmental Document Coordination	24	8	60				92					184	\$ 27,263
4.27 Outreach & Coordination for EIS	40	20	60	40						80	16	256	\$ 35,099
4.28 NADR Engineering Support	20		30				60			80		190	\$ 23,255
4.29 Section 4(f) Engineering Support	20		48				64			48		180	\$ 23,704
4.30 Wildlife Crossing Assessment	24		40				160			40		264	\$ 35,171
4.31 Wildlife Crossing Bridge Structures	20	24		100				140	160		8	458	\$ 67,048

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Iteris</b>	SCOPE OF WORK: <b>Traffic</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
Viggen Davidian, P.E.	Proj. Dir./Principal in Charge	426	@ \$81.00	\$34,506.00	
Michael Meyer	QA/QC		\$86.10		
Chris Devlin	Senior Modeler	160	@ \$48.82	\$7,811.20	
Deepak Kaushik, P.E.	Senior Engineer (QA/QC)	80	@ \$43.74	\$3,499.20	
Shaumik Pal, PTP	Senior Planner	768	@ \$54.14	\$41,579.52	
Rajat Parashar	Associate Engineer	728	@ \$37.40	\$27,227.20	
Assistant Engineers	Assistant Engineer	632	@ \$28.54	\$18,037.28	
CAD/GIS/Graphics	CAD/GIS/Graphics	60	@ \$26.12	\$1,567.20	
Admin Support	Admin Support		\$23.74		
Accounting	Accounting	24	@ \$43.22	\$1,037.28	
		<b>TOTAL HOURS</b>	<b>2,878</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$135,264.88</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)		
OVERHEAD @	171.65%	(of Direct Labor + Escalation)	\$232,182.17	
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)		
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$36,744.70	
			<b>TOTAL MULTIPLIERS</b>	<b>\$268,926.87</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT	
Intersection counts	12	ea @	\$325.00	\$3,900.00	
Segment counts	3	ea @	\$100.00	\$300.00	
Mileage	2500	mile @	\$0.50	\$1,250.00	
				<b>TOTAL ODC'S</b>	<b>\$5,450.00</b>

**TOTAL** **\$409,641.75**

**SUBCONSULTANT MANHOOUR WORKSHEET**

COMPANY: **Iteris** SCOPE OF WORK: **Traffic** PHASE: **Phase I**

PROJECT: **Cajalco Road Widening Project** DATE: **July 31, 2014**

TASK	PROJ. DIRECTORIAL IN CHARGE	SENIOR ENGINEER	SENIOR ENGINEER (0.50)	SENIOR PLANNER	ASSISTANT ENGINEER	CAD/GRAPHICS	ADMIN SUPPORT	ACCOUNTING	HOURS	COST
	\$242.04	\$145.88	\$130.70	\$161.78	\$111.76	\$85.28	\$78.05	\$70.94	\$129.15	

<b>Total Manhours</b>	<b>426</b>	<b>160</b>	<b>80</b>	<b>768</b>	<b>728</b>	<b>632</b>	<b>60</b>	<b>24</b>	<b>2,878</b>	
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TASK	PROJ. DIRECTORIAL IN CHARGE	SENIOR ENGINEER	SENIOR ENGINEER (0.50)	SENIOR PLANNER	ASSISTANT ENGINEER	CAD/GRAPHICS	ADMIN SUPPORT	ACCOUNTING	HOURS	COST
<b>T1 MANAGEMENT, COORDINATION &amp; MEETINGS</b>										
1.02 Meetings	110			100					24	\$ 45,902
1.03 Agency Coordination	64			36					100	\$ 21,315
<b>T1 MANAGEMENT, COORDINATION &amp; MEETINGS</b>										
3.04 Draft EIR/EIS	4			16	20				40	\$ 5,792
3.04.04 Response to Comments										
<b>T4 PRELIMINARY ENGINEERING TASKS</b>										
4.02 Traffic										
4.02.01 Data Collection, Existing LOS & Future Volumes										
4.02.01 a Data Collection				16	24	24			64	\$ 7,317
4.02.01 b Existing LOS	8			40	32	24			104	\$ 14,030
4.02.01 c Future Traffic Volumes	70	90	16	80	104	116			476	\$ 66,621
4.02.02 Screening Analysis & Alternative Evaluation										
4.02.02 a Screen Analysis	24	40		40					104	\$ 18,115
4.02.02 b Alternative Evaluation	20	30		40	40				130	\$ 20,159
4.02.03 Operations										
4.02.03 a Opening Year Operations	20		8	80	128	140			376	\$ 45,073
4.02.03 b Interim Year Operations										
4.02.03 c Design Year Operations	24		8	100	140	140			412	\$ 50,618
4.02.03 d Impact Analysis	16		4	48	72	72			212	\$ 26,348
4.02.04 Mitigation Measures	32		8	60	48	60			208	\$ 28,979
4.02.05 Phasing Analysis										
4.02.05 Traffic Index Technical Memorandum	2		8	40	16				66	\$ 7,613
4.02.06 Draft Traffic Study	24		20	80	48	20	40		232	\$ 31,557
4.02.07 Final Traffic Study	8		16	24	32	20	20		120	\$ 14,753

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>URS</b>	SCOPE OF WORK: <b>Water Quality, Hydraulics &amp; Floodplain</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ron Gregg	Sr. Env. Planner	14	@	\$76.00	\$1,064.00
Jean Settle	Sr. Env. Planner	34	@	\$67.00	\$2,278.00
George Strnad	RLA	95	@	\$64.00	\$6,080.00
Chris Hargreaves	Landsc. Designer	143	@	\$29.00	\$4,147.00
Glenn DeBerg	Env. Planner	112	@	\$33.00	\$3,696.00
James Fee	Simulation ITR	7	@	\$65.00	\$455.00
David Lawrence	Visual Team Leader	115	@	\$36.00	\$4,140.00
John Qoyawayma	Simulation Task Manager	130	@	\$34.00	\$4,420.00
Rachel Wagner	Env. Planner	3	@	\$35.00	\$105.00
Kathy Hinkel	Visual Project Asst.	3	@	\$28.00	\$84.00
Jun Wang	Sr. Engineer	35	@	\$88.00	\$3,080.00
Jimmy Medellin	Sr. Engineer	68	@	\$49.00	\$3,332.00
Matali Goel/Lisa Berman	Engineer	24	@	\$45.00	\$1,080.00
ITR (TBD)	Sr. Engineer	10	@	\$64.00	\$640.00
Diane Folia	Project Asst.	6	@	\$34.00	\$204.00
Ryan Allison	CAD/Graphics	6	@	\$34.00	\$204.00
Tracey Hope	Tech Editor	6	@	\$49.00	\$294.00
Ana Hernandez	Word Processor	7	@	\$24.00	\$168.00
Phin Kumala	CAD/Graphics	3	@	\$27.00	\$81.00
Jennifer Ziv	Sr. Env. Planner	28	@	\$60.00	\$1,680.00
Alicia Jaskiewicz	Project Asst.	24	@	\$42.00	\$1,008.00
Johnnie Garcia	CAD/Graphics	6	@	\$36.00	\$216.00
Kelly O'Connor	Clerical	4	@	\$28.00	\$112.00
TBD	Tech Editor	2	@	\$24.00	\$48.00
		<b>TOTAL HOURS</b>			<b>885</b>
				<b>TOTAL DIRECT LABOR</b>	<b>\$38,616.00</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	44.29%	(of Direct Labor + Escalation)	\$17,103.03
PAYROLL ADDITIVES @	123.85%	(of Direct Labor + Escalation)	\$47,825.92
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$10,354.49
			<b>TOTAL MULTIPLIERS</b>
			<b>\$75,283.44</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	4550	EACH	@	\$0.10	\$455.00
Mileage	3900	EACH	@	\$0.50	\$1,950.00
Communication / Mailing	10	EACH	@	\$25.00	\$250.00
Accommodations	5	EACH	@	\$150.00	\$750.00
Food & Incidentals	9	DAYS	@	\$40.00	\$360.00
Flight Tickets	1	EACH	@	\$500.00	\$500.00
Camera	2	DAYS	@	\$100.00	\$200.00
GPS	2	DAYS	@	\$80.00	\$160.00
Car Rental	4	DAYS	@	\$75.00	\$300.00
Hotel	3	DAYS	@	\$120.00	\$360.00
Gas	40	GAL	@	\$3.75	\$150.00

**TOTAL ODC'S** **\$5,435.00**

**TOTAL** **\$119,334.44**

**MANHOURLY WORKSHEET**

COMPANY: URS PROJECT: Cajalco Road Widening Project

SCOPE OF WORK: Manhour Summary

PHASE: All Phases  
DATE: July 31, 2014

TASK	SR ENV PLANNER	SR ENV PLANNER	ENV PLANNER	LANDSC. DESIGNER	ENV PLANNER	SIMULATION TR	VISUAL TEAM LEADER	SIMULATION TRK MANAGER	ENV PLANNER	VISUAL PROJECT ASST	SR ENGINEER	ENGINEER	ENGINEER	SR ENGINEER	PROJECT ASST	GRAPHICS	HOURS	(Orig. & ext only)
	\$197.82	\$188.77	\$85.54	\$97.33	\$194.72	\$106.18	\$100.28	\$103.23	\$62.59	\$259.56	\$144.53	\$132.73	\$183.77	\$100.28	\$100.28		885	

<b>PHASE TOTALS</b>	14	34	95	143	112	7	115	130	3	3	35	68	24	10	6	6	805	
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PHASE I	14	34	95	143	112	7	115	130	3	3	35	68	24	10	6	6	805	
PHASE II																		
PHASE III																		
PHASE IV																		

TASK	TECH EDITOR	WORD PROCESSOR	GRAPHICS	SR ENV PLANNER	PROJECT ASST	GRAPHICS	CLERICAL	TECH EDITOR	HOURS
	\$70.79	\$79.84	\$176.97	\$123.88	\$106.18	\$82.59	\$70.78		80

<b>PHASE TOTALS</b>	6	7	3	28	24	6	4	2	80
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PHASE I	6	7	3	28	24	6	4	2	80
PHASE II									
PHASE III									
PHASE IV									

**MANHOUR WORKSHEET**

COMPANY: URS PROJECT: Cajalco Road Widening Project  
 SCOPE OF WORK: Water Quality, Hydraulics & Floodplain  
 PHASE: Phase I  
 DATE: July 31, 2014

TASK	SR ENV PLANNER	SR ENV PLANNER	ENV PLANNER	LANDSCAPE DESIGNER	ENV PLANNER	SIMULATION MGR	SIMULATION TEAM LEADER	SIMULATION TASK MANAGER	ENV PLANNER	SR ENGINEER	SR ENGINEER	SR ENGINEER	SR ENGINEER	SR ENGINEER	SR ENGINEER	PROJECT MGR	PROJECTIONS	HOURS	COST
	\$197.62	\$189.77	\$95.54	\$97.32	\$191.72	\$106.18	\$100.28	\$103.23	\$82.59	\$239.66	\$144.63	\$132.73	\$188.77	\$100.28	\$100.28				

<b>Total Manhours</b>	<b>14</b>	<b>34</b>	<b>95</b>	<b>143</b>	<b>112</b>	<b>7</b>	<b>115</b>	<b>130</b>	<b>3</b>	<b>3</b>	<b>35</b>	<b>68</b>	<b>24</b>	<b>10</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>805</b>	
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3.03.03 Visual Impacts	8	10	95	143	92	7	115	130	3	3	7	14	24	10	6	6	6	606	\$ 70,037
3.03.12 Water Quality Assessment Report	4	4		20	20													95	\$ 13,751
3.03.13 Location Hydraulic & Floodplain Encroachment	2	20									28	54						104	\$ 19,473



**MANHOUR WORKSHEET**

COMPANY: URS

PROJECT: Cajalco Road Widening Project

SCOPE OF WORK: Water Quality, Hydraulics & Floodplain

PHASE: Phase I

DATE: July 31, 2014

TASK	TECH EDITOR	HYDRO-PROCESOR	CAD/GRAPHICS	SR. ENR. PLANNER	PROJECT ASST.	COORDINATOR	CLERICAL	TECH EDITOR	HOURS	COST
	6	7	3	28	24	6	4	2		
	\$144.55	\$70.79	\$75.64	\$176.97	\$129.88	\$100.18	\$92.59	\$70.79		

**Total Manhours**

	6	7	3	28	24	6	4	2		<b>80</b>
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Task	6	7	3	28	24	6	4	2			16	64
3.03.03 Visual Impacts												
3.03.12 Water Quality Assessment Report	6	7	3									\$ 1,602
3.03.13 Location Hydraulic & Floodplain Encroachment				28	24	6	4	2				\$ 9,037

SUBCONSULTANT FEE PROPOSAL WORKSHEET		
COMPANY: <b>Group Delta Consultants</b>	SCOPE OF WORK: <b>Geotech</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Dr. Kul Bhushan, G.E.	Principal Engineer	95	@ \$91.95	\$8,735.25
Curt Scheyhing, G.E.	Associate Engineer	496	@ \$45.67	\$22,652.32
Jack Packwood	Senior Scientist	548	@ \$43.27	\$23,711.96
Vesna Petrilla, P.E.	Senior Engineer	162	@ \$38.46	\$6,230.52
Sittampalam Satishkumar, P.E.	Project Engineer	30	@ \$34.13	\$1,023.90
Kevin Garcia	Staff Geologist	340	@ \$20.00	\$6,800.00
Henry Kim	Engineering Technician	122	@ \$30.00	\$3,660.00
		<b>TOTAL HOURS</b>	<b>1,793</b>	<b>TOTAL DIRECT LABOR</b>
				<b>\$72,813.95</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	159.80%	(of Direct Labor + Escalation)	\$116,356.69
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$18,917.06
<b>TOTAL MULTIPLIERS</b>			<b>\$135,273.76</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Reproduction	1	Ea @	\$2,400.00	\$2,400.00
Mileage	500	Miles @	\$0.57	\$282.50
EDR (Data Search) - Update	1	@	\$6,000.00	\$6,000.00
AETL Laboratory	1	@	\$6,000.00	\$6,000.00
<b>TOTAL ODC'S</b>				<b>\$14,682.50</b>

**TOTAL** **\$222,770.21**

**SUBCONSULTANT MANHOOUR WORKSHEET**

COMPANY: **Group Delta Consultants**      SCOPE OF WORK: **Geotech**      PHASE: **Phase I**  
 PROJECT: **Cajalco Road Widening Project**      DATE: **July 31, 2014**

TASK	PRINCIPAL ENGINEER	ASSOCIATE ENGINEER	SENIOR SCIENTIST	SENIOR ENGINEER	PROJECT ENGINEER	STAFF GEOLOGIST	ENGINEERING TECHNICIAN	HOURS	COST
	\$262.77	\$130.52	\$123.66	\$109.91	\$97.54	\$67.16	\$85.73		

<b>Total Manhours</b>	<b>95</b>	<b>496</b>	<b>548</b>	<b>162</b>	<b>30</b>	<b>340</b>	<b>122</b>	<b>1,793</b>	
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TASK	PRINCIPAL ENGINEER	ASSOCIATE ENGINEER	SENIOR SCIENTIST	SENIOR ENGINEER	PROJECT ENGINEER	STAFF GEOLOGIST	ENGINEERING TECHNICIAN	HOURS	COST
<b>T3 ENVIRONMENTAL TASKS</b>									
3.03 Environmental Technical Studies									
3.03.15 Initial Site Assessment									
Site Recon.	2	4	16	16	16			34	\$ 2,934
Review EDR Data	2	4			12			18	\$ 1,733
Data Reduction	4	4	20		20			44	\$ 3,863
Draft Report	2	8	16	40	8			74	\$ 6,300
Response to comments	1	2	4	4	4			15	\$ 1,535
Final Report	2	4	8	8	8			30	\$ 3,070
Project Admin, QA/QC, Meetings	1	2	4	4	2			13	\$ 1,364
3.03.16 Aerially Deposited Lead Screening									
Work Plan/Permits	4		16		4	2		26	\$ 2,681
Field Sampling			30	30				60	\$ 6,223
Laboratory Testing	2							2	\$ 261
Data Validation/Reduction	8	16						24	\$ 2,803
Draft Report	2	12	24	8				46	\$ 5,187
Response to comments	4	4	4					8	\$ 962
Final Report	2	4	4	4	4			18	\$ 2,059
Project Admin, QA/QC, Meetings	2	4						6	\$ 1,048
<b>T4 PRELIMINARY ENGINEERING TASKS</b>									
4.13 Structures Preliminary Geotechnical Reports									
Site Visit	16	16						32	\$ 4,067
Data Reduction & analysis	20	80	300	40				440	\$ 55,080
Draft Reports	20	120	80	100	40			360	\$ 39,955
Response to Comments	8	20						28	\$ 4,713
Final Reports	16	80	40	40				216	\$ 25,308
Project Admin, QA/QC, Meetings	8	16						24	\$ 4,190
Preliminary Roadway Report (1 report)									
Collect and Review Data									
Site Visit (included in the above task)	8	24						32	\$ 4,012
Data Reduction & analysis	2	24	40	16				82	\$ 9,519













**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>VMS</b>	SCOPE OF WORK: <b>Value Engineering</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
Robert Stewart	Principal QA/QC	0.5	@ \$95.00	\$47.50	
George Hunter	CVS Team Leader	10.8	@ \$75.00	\$810.00	
April Hiller	Technical Editor	4.2	@ \$28.85	\$121.17	
Cheryl Kramer	Project Coordinator	0.7	@ \$49.04	\$34.33	
Jessica Combs	QA/QC	0.4	@ \$28.85	\$11.54	
Sandy Northrop	Assistant Project Coordinator	0.4	@ \$28.85	\$11.54	
		<b>TOTAL HOURS</b>	<b>17</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$1,036.08</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	177.72%	(of Direct Labor + Escalation)	\$1,841.32
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$287.74
<b>TOTAL MULTIPLIERS</b>			<b>\$2,129.06</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Meals & Incidentals		Day	\$40.00	
Lodging/Hotels		Day	\$120.00	
Parking		Day	\$15.00	
Airport Transportation		Trip	\$90.00	
Airfare		Trip	\$500.00	
Rental Car		Day	\$75.00	
Shipping		Actual Cost	\$250.00	
Reproduction		Actual Cost	\$100.00	
<b>TOTAL ODC'S</b>				

**TOTAL** **\$3,165.14**

**SUBCONSULTANT MANHOOR WORKSHEET**COMPANY: **VMS**  
PROJECT: **Cajalco Road Widening Project**SCOPE OF WORK: **Value Engineering**PHASE: **Phase I**  
DATE: **July 31, 2014**

TASK	PRINCIPAL GARC	CVS TEAM LEADER	TECHNICAL EDITOR	PROJECT COORDINATOR	GARC	ASSISTANT PROJECT COORDINATOR	HOURS	COST
	\$230.22	\$229.12	\$68.13	\$149.81	\$68.13	\$68.13	17	

**Total Manhours****17****T4 PRELIMINARY ENGINEERING TASKS**

4.21 Value Engineering

0.5

10.8

4.2

0.7

0.4

0.4

0.4

0.4

0.4

0.4

0.4

0.4

0.4

0.4

0.4

0.4

0.4

0.4

17 \$ 3,165

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>James Allen</b>	SCOPE OF WORK: <b>Paleontology</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
James Allen	Paleontologist	186	@ \$113.12	\$21,040.32
		TOTAL HOURS	186	TOTAL DIRECT LABOR \$21,040.32

**MULTIPLIERS**

ESCALATION @	(of Direct Labor)		
OVERHEAD @	(of Direct Labor + Escalation)		
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)		
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$2,104.03
TOTAL MULTIPLIERS			\$2,104.03

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Transportation (air, rental car, etc.)	1	Actual Cost @	\$2,000.00	\$2,000.00
Records Search	1	Actual Cost @	\$600.00	\$600.00
TOTAL ODC'S				\$2,600.00

**TOTAL \$25,744.35**



**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Glen Lukos Associates</b>	SCOPE OF WORK: <b>Vernal Pool, Watershed &amp; Fairy Shrimp</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
Glenn Lukos	Principal	28	@ \$204.55	\$5,727.40	
Kevin Livergood	Biologist	310	@ \$81.82	\$25,364.20	
Tony Bomkamp	Managing Biologist	81	@ \$168.19	\$13,623.39	
Kristen Kartunen	GIS	38	@ \$86.37	\$3,282.06	
David Moskovitz	Senior Biologist	42	@ \$109.10	\$4,582.20	
David Smith	Editor	12	@ \$54.55	\$654.60	
		<b>TOTAL HOURS</b>	<b>511</b>	<b>TOTAL DIRECT LABOR</b>	<b>\$53,233.85</b>

**MULTIPLIERS**

ESCALATION @	(of Direct Labor)	
OVERHEAD @	(of Direct Labor + Escalation)	
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$5,323.39
<b>TOTAL MULTIPLIERS</b>		<b>\$5,323.39</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Transportation (air, rental car, etc.)	5110	Mile @	\$0.57	\$2,887.15
Reproduction	1	Actual Cost @	\$600.00	\$600.00
<b>TOTAL ODC'S</b>				<b>\$3,487.15</b>

**TOTAL** \$62,044.39





**SUBCONSULTANT MANHOOUR WORKSHEET**

COMPANY: **SJM**      SCOPE OF WORK: **Stephens' Kangaroo Rat**      PHASE: **Phase I**

PROJECT: **Cajalco Road Widening Project**      DATE: **July 31, 2014**

TASK: **MANAGING BIOLOGIST**

HOURS COST

995.01

**Total Manhours**

**970**

**970**

**T3 ENVIRONMENTAL TASKS**

3.03 Environmental Technical Studies

3.03.06 Biological Resources

3.03.06.k Mitigation Lands Focused SKR

3.03.06.l RCHCA/MWD SKR Lands Focused Study

331

639

331

639

\$ 31,447

\$ 60,709

0

0



SUBCONSULTANT FEE PROPOSAL WORKSHEET		
COMPANY: <b>Rahn Consulting</b>	SCOPE OF WORK: <b>Wildlife Corridor Analysis</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

#### DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
Kelsey Strickler	Biologist	80	@ \$109.10	\$8,728.00	
Matt Rahn	Senior Biologist	48	@ \$136.37	\$6,545.76	
		TOTAL HOURS	128	TOTAL DIRECT LABOR	\$15,273.76

#### MULTIPLIERS

ESCALATION @	(of Direct Labor)	
OVERHEAD @	(of Direct Labor + Escalation)	
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)
TOTAL MULTIPLIERS		\$1,527.38

#### OTHER DIRECT COSTS

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT

TOTAL ODC'S

**TOTAL** \$16,801.14



**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>RBF Consulting</b>	SCOPE OF WORK: <b>Biological Resources Oversight for ROE</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Thomas McGill	Principal	12	@ \$75.60	\$907.20
Travis McGill	Biologist	75	@ \$30.60	\$2,295.00
		<b>TOTAL HOURS</b>	<b>87</b>	<b>TOTAL DIRECT LABOR</b>
				<b>\$3,202.20</b>

**MULTIPLIERS**

ESCALATION @		(of Direct Labor)	
OVERHEAD @	162.12%	(of Direct Labor + Escalation)	\$5,191.41
PAYROLL ADDITIVES @	17.00%	(of Direct Labor + Escalation)	\$544.37
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$893.80
			<b>TOTAL MULTIPLIERS</b>
			<b>\$6,629.58</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage	400	Mile	@ \$0.57	\$226.00
				<b>TOTAL ODC'S</b>
				<b>\$226.00</b>

**TOTAL** **\$10,057.78**



**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

COMPANY: <b>Wicke Consulting</b>	SCOPE OF WORK: <b>MWD Coordination/Outreach</b>	PHASE: <b>Phase I</b>
PROJECT: <b>Cajalco Road Widening Project</b>		DATE: <b>July 31, 2014</b>

**DIRECT LABOR**

PERSONNEL	POSITION	HOURS	RATE	AMOUNT	
Jill Wicke	Principal	400	@ \$145.45	\$58,180.00	
		TOTAL HOURS	<b>400</b>	TOTAL DIRECT LABOR	<b>\$58,180.00</b>

**MULTIPLIERS**

ESCALATION @	(of Direct Labor)	
OVERHEAD @	(of Direct Labor + Escalation)	
PAYROLL ADDITIVES @	(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives) <b>\$5,818.00</b>
		TOTAL MULTIPLIERS <b>\$5,818.00</b>

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage	3920	MILE @	\$0.57	\$2,214.80
				TOTAL ODC'S <b>\$2,214.80</b>

**TOTAL** **\$66,212.80**

