



Beaumont Master Drainage Plan Line 2, Stage 1

Professional Engineering Services

Request for Proposal

City of Beaumont

June 1, 2020 at 12:00PM

COST PROPOSAL

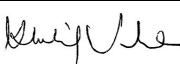
submitted by

EXP U.S. Services, Inc.

451 East Vanderbilt Way, Suite 375 | San Bernardino, CA 92408, USA

t: 909.239.6249 | exp.com

Cost & Price Form

Name of Firm: EXP U.S. SERVICES				
Project: Beaumont MDP Line 2 - Stage 1				
	Year 2020-2021			Notes and Assumptions: Escalation rates are not applied. New rates become effective January 1, 2021.
	HOURS	RATE	COST	
Project Manager	231	\$115.24	\$26,620	
Senior Project Engineer	40	\$115.38	\$4,615	
Senior CM	34	\$117.79	\$4,005	
Roadway Lead	132	\$115.24	\$15,212	
Roadway Designer	72	\$40.87	\$2,943	
Traffic Engineer	32	\$49.52	\$1,585	
Project Engineer	44	\$40.00	\$1,760	
Structures	62	\$98.16	\$6,086	
Senior Drainage Engineer	306	\$64.95	\$19,875	
Drainage Engineer	510	\$37.25	\$18,998	
Stormwater Engineer	72	\$36.06	\$2,596	
TOTAL	1,535		\$104,294	
TOTAL DIRECT LABOR (COST)				\$104,294
TOTAL DIRECT LABOR (Hours)				1,535
2. INDIRECT COSTS (overhead, G&A - specify)				
	INDIRECT RATE (%)	X BASE =	COST	
Fringe	59.69%	\$104,294	\$62,253	
Overhead	90.08%	\$104,294	\$93,948	
G&A	0.57%	\$104,294	\$594	
TOTAL INDIRECT				\$156,795
3. TOTAL DIRECT COST AND INDIRECT COSTS (sum of lines 1				\$261,089
4. FIXED FEE OR PROFIT				
(specify, applies to line 3 only)	10.00%	\$261,089	\$26,109	
TOTAL FEE				\$26,109
5. OTHER DIRECT COSTS (specify)				
ODC's				\$2,000
TOTAL EXP PRICE				\$289,198
6. SUBCONSULTANT FEES				
David Evans and Associates (Topo Mapping)				\$38,366.00
Geocon (Geotechnical)				\$22,255.00
EPIC Land Solutions (Utilities and Right of Way)				\$46,420.00
ICF (Regulatory Compliance)				\$84,071.00
Total Sub-Consultant Fee				\$191,112.00
TOTAL FEE				\$480,311.00
DATE	SIGNATURE AND TITLE OF AUTHORIZED REPRESENTATIVE OF CONSULTANT			
6/1/2020				

TASK	DESCRIPTION	FIRM	Project Manager	Senior Project Engineer	Senior CM	Roadway Lead	Roadway Designer	Traffic Engineer	Project Engineer	Structures	Senior Drainage Engineer	Drainage Engineer	Stormwater Engineer	TOTAL HOURS
PROJECT MANAGEMENT / COORDINATION /ADMINISTRATION														
1.10	Meetings	EXP	52	40										92
1.11	Coordination and Progress Reporting	EXP	60											60
SUBTOTAL Task 1 - Project Management			112	40	0	0	0	0	0	0	0	0	0	152
ENGINEERING DEVELOPMENT														
6a	30% Submittal Package		40	0	8	4	8	0	0	0	122	184	0	366
6a.1	Hydrology and Hydraulics	EXP	24								48	64		136
6a.2	Drainage Report	EXP	8								24	40		72
6a.3	Preliminary Storm Drain Plan and Profiles (10 sheets)	EXP	8		8	4	8				50	80		158
6b	60% Submittal Package		30	0	6	44	44	16	24	30	70	147	0	411
6b.1	Update Hydrology and Hydraulics	EXP	8								16	24		48
6b.2	Update Drainage Report	EXP	2								8	16		26
6b.3	Storm Drain Plan and Profiles (15 sheets)	EXP	8		4	16	24				30	75		157
6b.4	Traffic Control Plans (4 Sheets)	EXP	2					16	24					42
6b.5	Structural Details (3 sheets)	EXP	2		2					30				34
6b.6	Drainage Details (2 sheets)	EXP	2								8	20		30
6b.7	Technical Specifications and Special Provisions	EXP	4			24	8							36
6b.8	Engineers Estimate	EXP	2			4	12				8	12		38
7a	90% Submittal Package		30	0	2	52	16	8	16	24	66	115	48	377
7a.1	Update Hydrology and Hydraulics	EXP	4								16	8		28
7a.2	Update Drainage Report	EXP	2								8	8		18
7a.3	Storm Drain Plan and Profiles (15 sheets)	EXP	16		2	8	16				30	75		147
7a.4	90% Traffic Control Plans (4 sheets)	EXP	2					8	16					26
7a.5	Structural Details (3 sheets)	EXP	0							24				24
7a.6	Drainage Details (2 sheets)	EXP	0								4	16		20
7a.7	Technical Specifications and Special Provisions	EXP	2			40								42
7a.8	Engineers Estimate	EXP	2			4					8	8		22
7a.9	SWPPP	EXP	2										48	50
7b	100 % Submittal Package		17	0	2	32	4	8	4	8	48	64	24	211
7b.1	Update Hydrology and Hydraulics	EXP	1								4	4		9
7b.2	Update Drainage Report	EXP	1								4	4		9
7b.3	100% Storm Drain Plan and Profiles (15 sheets)	EXP	8		2	4	4				24	40		82
7b.4	Traffic Control Plans (4 Sheets)	EXP	1					8	4					13
7b.5	Structural Details (3 sheets)	EXP	0							8				8
7b.6	Drainage Details (2 sheets)	EXP	0								8	8		16
7b.7	Technical Specifications and Special Provisions	EXP	4			24								28
7b.8	Engineers Estimate	EXP	1			4					8	8		21
7b.9	SWPPP	EXP	1										24	25
	QA/QC		2	0	16	0	0	0	0	0	0	0	0	18
	QA/QC	EXP	2		16									18
SUBTOTAL - Task 4 - Engineering			119	0	34	132	72	32	44	62	306	510	72	1,383
TOTAL			231	40	34	132	72	32	44	62	306	510	72	1,535

SUBCONSULTANT FEES

Cost & Price Form

NAME OF SUBCONSULTANT:		DEA	
Name of Firm: EXP U.S. SERVICES			
1. DIRECT LABOR	Year 2020-2021		
	HOURS	RATE	COST
Robert D. Vasquez, PLS	10	\$75.50	\$755
Felicia Mantz	9	\$31.90	\$287
Robert Huff	52	\$55.00	\$2,860
Jay Bentley	62	\$53.66	\$3,327
Jerry Woodrow	0	\$56.83	\$0
Jeff Blakely	52	\$54.11	\$2,814
Chris Dominquez	0	\$52.06	\$0
Fulton Torreyson	52	\$49.26	\$2,562
Mike Balderston	0	\$48.68	\$0
0	237		\$12,604
TOTAL			
TOTAL DIRECT LABOR (COST)			\$12,604
TOTAL DIRECT LABOR (Hours)			237.00
2. INDIRECT COSTS (overhead, G&A - specify)			
	INDIRECT RATE (%)	X BASE =	COST
Fringe	60.94%	\$12,604	\$7,681
Overhead	113.61%	\$12,604	\$14,320
G&A	0.00%	\$12,604	\$0
TOTAL INDIRECT			\$22,001
3. TOTAL DIRECT COST AND INDIRECT COSTS (sum of lines 1-2)			\$34,605
4. FIXED FEE OR PROFIT			
(specify, applies to line 3 only)	10.00%	\$34,605	\$3,460
		\$34,605	\$0
TOTAL FEE			\$3,460
5. OTHER DIRECT COSTS (specify)			
ODC's			\$300
TOTAL OTHER DIRECT			\$300.00
6. TOTAL PROPOSED PRICE (sum of lines 3, 4 and 5)			\$38,365.50

TASK	DESCRIPTION	FIRM	Robert D. Vasquez, PLS	Felicia Mantz	Robert Huff, PLS	Jay Bentley, PLS	Jeff Blakely	Fulton Torreyson	TOTAL HOURS	Cost
			Management		Structures		Roadway			
TASK 2 - SURVEY AND MAPPING										
2.10	Survey Control	DEA	2	1	8	4	8	8	31	\$1,701.00
2.11	Existing Data Review	DEA	2	1	16	8	8	8	43	\$2,373.00
2.12	Additional Ground Surveys	DEA	2	2	8	32	32	32	108	\$5,788.00
2.13	Pothole Surveys	DEA	2	1	4	2	4	4	17	\$941.00
2.14	Right of Way Base Map Updates	DEA	2	4	16	16			38	\$2,050.00
SUBTOTAL - Task 2 -Survey and Mapping			10	9	52	62	52	52	237	\$12,853.00

Cost & Price Form

Name of Firm: Epic				
Project: Beaumont MDP Line 2 - Stage 1				
	Year 2020-2021			Notes and Assumptions: Escalation rates are not applied.
	HOURS	RAW RATE	COST	
Curtis Bibolet	113	\$50.00	\$5,650	
Ryan Ackland	140	\$26.44	\$3,702	
Abigail Lopez	17	\$42.40	\$721	
TOTAL	270		\$10,072	
TOTAL DIRECT LABOR (COST)				\$10,072
TOTAL DIRECT LABOR (Hours)				270
2. INDIRECT COSTS (overhead, G&A - specify)				
	INDIRECT RATE (%)	X BASE =	COST	
Fringe	51.89%	\$10,072	\$5,227	
Overhead	69.65%	\$10,072	\$7,015	
G&A	53.02%	\$10,072	\$5,340	
TOTAL INDIRECT				\$17,582
3. TOTAL DIRECT COST AND INDIRECT COSTS (sum of lines 1				\$27,655
4. FIXED FEE OR PROFIT				
(specify, applies to line 3 only)	10.00%	\$27,655	\$2,765	
TOTAL FEE				
5. OTHER DIRECT COSTS (specify)				
ODC's				\$16,000
TOTAL PRICE				\$46,420

TASK	DESCRIPTION	FIRM	Curtis Bibolet	Ryan Ackland	Abigail Lopez	TOTAL HOURS
TASK 3 - Utilities Research						
3.00	Project Management (Meetings, File maintenance, File close-out, Status reports, etc.).		16	23	16	55
3.10	Utility Research		29	32		61
3.20	Pothole Coordination		16	18	1	35
3.2a	Utility Coordination		52	67		119
	SUBTOTAL Task 3 - Utilities Research		113	140	17	270
TOTAL	Subconsultant Total		113	140	17	270

SCHEDULE II - OTHER DIRECT COSTS SCHEDULE

	Type of ODC	Quantity	Unit Rate	Budget Amount
Actual	Mileage	1	\$400.000	\$400.00
Actual	Real estate and property ownership data	1	\$200.000	\$200.00
Actual	Potholing	10	\$1,500.000	\$15,000.00
Actual	Postage/Overnight Packages	1	\$170.000	\$170.00
			Total	\$15,770.00
			Rounded	\$16,000.00

Cost & Price Form

Name of Subconsultant - ICF				
Project: Beaumont MDP Line 2 - Stage 1				
	Year 2020-2021			Notes and Assumptions: Escalation rates are not applied.
	HOURS	RAW RATE	COST	
Calvert, Brian	12	\$96.91	\$1,162.92	
Leight, Debra	18	\$60.67	\$1,092.06	
Corpuz, Monica	106	\$50.48	\$5,350.88	
Vargas, Benjamin	10	\$54.50	\$545.00	
Hoisington, Gregory	12	\$62.28	\$747.36	
Flacy, Meagan	8	\$27.04	\$216.32	
Cooper, Keith	8	\$69.40	\$555.20	
Garcia, Johnnie	40	\$44.36	\$1,774.40	
Hardie, Jon	10	\$61.29	\$612.90	
Higginson, Jonathan	4	\$60.26	\$241.04	
Moskus, Eric	34	\$40.87	\$1,389.58	
Pham, Peter	20	\$28.49	\$569.80	
Yates, Timothy	8	\$43.81	\$350.48	
Roderick, Margaret	32	\$31.18	\$997.76	
Flores, Marisa	56	\$48.32	\$2,705.92	
Richards, Phillip	52	\$48.80	\$2,537.60	
Klinefelter, Kristen	34	\$35.17	\$1,195.78	
Byram, Saadia	40	\$38.80	\$1,552.00	
Shook, Jill	8	\$32.40	\$259.20	
Trageser, Darrin	36	\$35.73	\$1,286.28	
TOTAL	548		\$25,142.48	
TOTAL DIRECT LABOR (COST)			\$25,142.48	
TOTAL DIRECT LABOR (Hours)			\$548.00	
2. INDIRECT COSTS (overhead, G&A - specify)				
	INDIRECT RATE (%)	COST		
Fringe	36.77%	\$9,244.89		
Overhead	135.16%	\$33,982.58		
G&A	6.74%	\$1,694.60		
TOTAL INDIRECT			\$44,922.07	
3. TOTAL DIRECT COST AND INDIRECT COSTS (sum of)				\$70,064.55
4. FIXED FEE OR PROFIT				
(specify, applies to line 3 only)	10.00%	\$7,006		
TOTAL FEE			\$7,006.45	
5. OTHER DIRECT COSTS (specify)				
ODC's			\$7,000.00	
TOTAL PRICE			\$84,071.00	

TASK	DESCRIPTION	FIRM	Calvert, Brian	Leight, Debra	Corpuz, Monica	Vargas, Benjamin	Hoisington, Gregory	Flarcy, Meagan	Cooper, Keith	Garcia, Johnnie	Hardie, Jon	Higginson, Jonathan	Moskus, Eric	Pham, Peter	Yates, Timothy	Roderick, Margaret	Flores, Marisa	Richards, Phillip	Klinefelter, Kristen	Byram, Saadia	Shook, Jill	Trageser, Darrin	TOTAL HOURS
TASK 4 - Regulatory Compliance																							
4.00	Project Management and Coordination	ICF	8	8	74															8			98
4.10	Biological Resources Technical Report and Focused Surveys	ICF	1	3	8		12			22							56	52	34	12			200
4.20	Noise Technical Memorandum	ICF	1	1	6					8	10	4	34							8			72
4.30	Cultural Resources Assessment	ICF	1	4	8	10				10				20	8	32				12			105
4.40	Air Quality and Greenhouse Gas Technical Memorandum	ICF	1	1	6				8											8		36	60
4.50	CEQA Categorical Exemption	ICF		1	4			8															13
	SUBTOTAL Task 4 - Regulatory Compliance		12	18	106	10	12	8	8	40	10	4	34	20	8	32	56	52	34	40	8	36	548
TOTAL	Subconsultant Total		12	18	106	10	12	8	8	40	10	4	34	20	8	32	56	52	34	40	8	36	548

PROPOSED FEES

Based upon the scope of services discussed above and assumptions made, we have summarized our proposed fees in Table 1, below. Our services will be billed on a time and materials basis in accordance with the attached *Schedule of Fees*. Invoices would be submitted at four-week intervals and would be itemized to reflect only the actual time and costs incurred.

Table 1

Activity Description	Personnel	Rate	Qty	Total
Prefield Activities				
Permit Preparation	Project Engineer	\$130	8	\$1,040
Site Reconnaissance, Mark Out, and USA Notification	Project Engineer	\$130	4	\$520
Cal Trans Permit Fee Estimate		\$1,115	1	<u>\$1,115</u>
			subtotal	\$2,675
Field Activities				
Geotechnical Borings - 2 Days				
Drilling Subcontractor at PW	2R Drilling	\$7,555	1	\$7,555
Geotechnical logging and sampling	Geologist/Engineer	\$130	18	\$2,340
Traffic Control Signage	Rental	\$575	1	\$575
Surry & Temp AC	Supplies	\$300	1	<u>\$300</u>
			subtotal	\$10,770
Laboratory Testing				
Maximum Density Optimum Moisture, Moisture & Density, Direct Shear, Corrosion Screening, R-value, Expansion Potential	Laboratory	\$5,010	1	\$5,010
Geotechnical Analysis and Recommendations				
Draft Geotechnical Report	Geocon	\$2,800	1	\$2,800
Finalizing Report	Geocon	\$1,000	1	<u>\$1,000</u>
			subtotal	\$3,800
				TOTAL ESTIMATE: \$22,255
Optional Pump Test				
	BC2 Environmental	\$8,115	1	\$8,115
Costs to disposed of pumped water will be added to this estimate based on environmental lab tests of pumped water.				