

Project No.:
 Client: City of Keller
 Project Title: Barbara Ln Bike / Pedestrian Trail

FEE BUDGET ESTIMATE
 BASIC DESIGN & CONSTRUCTION SERVICES

May 20, 2021

DESCRIPTION OF WORK TASK	BASIS OF MANHOURLY ESTIMATE		PRINCIPAL \$245.00	DIRECTOR \$210.00	SENIOR PROJECT ENGR \$170.00	PROJECT ENGR \$125.00	DESIGN TECH/EIT \$115.00	TECH. CADD \$85.00	QA/QC REVIEW \$170.00	SECTY \$75.00	TOTAL MH'S PER TASK	TOTAL FEE PER TASK
	QNTY	UNIT										
	PROJECT MANAGEMENT											
PROJECT MANAGEMENT AND COORDINATION												
PRELIMINARY CONFERENCE WITH CLIENT	1	N/A	2.0			2.0					4.0	\$ 740.00
FRANCHISE UTILITY COORDINATION	1	N/A	1.0			1.5				1.0	3.5	\$ 507.50
COLLECT & REVIEW EXISTING DATA	1	N/A				1.5					1.5	\$ 187.50
SITE VISIT	1	EACH	2.0			2.0					4.0	\$ 740.00
											SUB-TOTAL =	\$ 3,645.00
30% SUBMITTAL												
COVER SHEET / INDEX	1	SHEET				0.5	1.0	1.0			2.5	\$ 262.50
PROJECT LAYOUT SHEET	1	SHEET				0.5	1.0	2.0			3.5	\$ 347.50
GENERAL NOTES SHEET	1	SHEET				0.5	0.5	0.5			1.5	\$ 162.50
DETAIL SHEETS	10	SHEET				0.5	2.0	2.0			4.5	\$ 462.50
TRAIL PLAN SHEETS	3	SHEET	2.0			4.0	12.0	16.0	1.0		35.0	\$ 3,900.00
CROSS SECTION SHEETS	5	SHEET	1.0			1.0	2.0	6.0	1.0		11.0	\$ 1,280.00
QUANTITY TAKE-OFF AND OPINION OF COST	N/A	N/A				1.0	2.0	1.0			4.0	\$ 440.00
SITE VISITS	1	EACH	1.0			1.5					2.5	\$ 432.50
CLIENT CONFERENCE/REVIEW MEETING	1	N/A	1.0			1.5					2.5	\$ 432.50
											SUB-TOTAL =	\$ 7,720.00
60% SUBMITTAL												
COVER SHEET / INDEX	1	SHEET					0.5	1.0			1.5	\$ 142.50
PROJECT LAYOUT SHEET	1	SHEET					0.5	1.0			1.5	\$ 142.50
GENERAL NOTES SHEET	1	SHEET				1.0	0.5	1.0			2.5	\$ 267.50
DETAIL SHEETS	10	SHEET				1.0	2.0	2.0			5.0	\$ 525.00
TRAIL PLAN SHEETS	3	SHEET	2.5			2.0	12.0	16.0	2.0		34.5	\$ 3,942.50
CROSS SECTION SHEETS	5	SHEET	1.0			1.0	2.0	2.0	1.0		7.0	\$ 940.00
QUANTITY TAKE-OFF AND OPINION OF COST	N/A	N/A				1.0	3.0	1.0			5.0	\$ 555.00
SPECIFICATIONS	1	BOOK	1.0	2.0		2.0				2.0	7.0	\$ 1,065.00
SITE VISITS	1	EACH	1.0			1.0					2.0	\$ 370.00
CLIENT CONFERENCE/REVIEW MEETING	1	N/A	1.0			2.0					3.0	\$ 495.00
											SUB-TOTAL =	\$ 8,445.00
90% & 100% SUBMITTALS												
COVER SHEET / INDEX	1	SHEET	0.5			0.5	0.5				1.5	\$ 242.50
PROJECT LAYOUT SHEET	1	SHEET	0.5				0.5	0.5			1.5	\$ 222.50
GENERAL NOTES SHEET	1	SHEET	0.5			0.5		1.0			2.0	\$ 270.00
DETAIL SHEETS	10	SHEET	0.5			1.0	1.0	1.0			3.5	\$ 447.50
TRAIL PLAN SHEETS	3	SHEET	1.0			2.0	8.0	8.0	2.0		21.0	\$ 2,435.00
CROSS SECTION SHEETS	5	SHEET	0.5			1.0	1.0	1.0	0.5		4.0	\$ 532.50
QUANTITY TAKE-OFF AND OPINION OF COST	N/A	N/A	1.0			0.5	1.0	1.0			3.5	\$ 507.50
SPECIFICATIONS	1	BOOK	0.5	1.0		2.0	1.0			2.0	6.5	\$ 847.50
SITE VISITS	1	EACH	1.0			2.0					3.0	\$ 495.00
											SUB-TOTAL =	\$ 6,000.00

PACHECO KOCH CONSULTING ENGINEERS

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	QNTY	UNIT										
	BIDDING PHASE											
COORDINATE PSE REPRODUCTION / DISTRIBUTION	1	N/A	0.5			1.0				1.0	2.5	\$ 322.50
BIDDING ASSISTANCE	1	N/A	0.5			2.5				1.0	4.0	\$ 510.00
BID OPENING	1	N/A	0.5								0.5	\$ 122.50
BID TABULATION	1	N/A	0.5			1.0				1.0	2.5	\$ 322.50
RECOMMENDATION OF AWARD	1	N/A	0.5							0.5	1.0	\$ 160.00
NOTICE OF AWARD	1	N/A	0.5							0.5	1.0	\$ 160.00
REVIEW & ASSEMBLE CONTRACTS	1	N/A	0.5			2.0				1.0	3.5	\$ 447.50
											SUB-TOTAL =	\$ 2,045.00
CONSTRUCTION ADMINISTRATION												
NOTICE TO PROCEED	1	N/A	0.5							1.0	1.5	\$ 197.50
PRECONSTRUCTION CONFERENCE	1	N/A	1.0			3.0					4.0	\$ 620.00
SHOP DRAWING REVIEW	1	N/A	0.5			4.0	1.0			0.5	6.0	\$ 775.00
SITE VISITS	6	N/A	1.0			4.0					5.0	\$ 745.00
TEST REPORT REVIEW	1	N/A	0.5			0.5					1.0	\$ 185.00
PLAN CLARIFICATIONS / CHANGE ORDERS	1	N/A	0.5			1.0	1.0	1.0			3.5	\$ 447.50
											SUB-TOTAL =	\$ 2,970.00
PROJECT COMPLETION												
FINAL INSPECTION	1	N/A	1.5			2.0					3.5	\$ 617.50
CONTRACTOR'S FINAL PAY ESTIMATE	1	N/A	0.5			2.0				1.0	3.5	\$ 447.50
CERTIFICATE OF COMPLETION	1	N/A	0.5			1.0				1.0	2.5	\$ 322.50
RECORD DRAWINGS	21	SHEET	0.5			1.0	8.0	4.0			13.5	\$ 1,507.50
											SUB-TOTAL =	\$ 2,895.00
HOURS SUB-TOTALS			39.0	3.0	0.0	63.5	64.0	70.0	7.5	13.5	260.5	\$ 33,720.00
TOTAL LABOR COSTS			9,555.00	630.00	-	7,937.50	7,360.00	5,950.00	1,275.00	1,012.50	\$ 33,720.00	
% OF TOTAL HOURS			15.0%	1.2%	0.0%	24.4%	24.6%	26.9%	2.9%	5.2%	100.0%	

PRINTING & REPRODUCTION EXPENSES								ENGINEERING					
	QNTY	UNIT			QUANTITY	UNIT PRICE	AMOUNT						
PRINTING - 11 X 17 PLANS (REVIEW SETS)	6	SETS	25	PLOTS/SET	150	1.00	150.00	LABOR COSTS:					\$ 33,720.00
PRINTING - 22 X 34 PLANS (REVIEW SETS)	0	SETS	25	PLOTS/SET	0	1.50	-	DIRECT EXPENSES					\$ 1,046.00
PRINTING - 22 X 34 PLANS (UTILITY CLEARANCE SETS)	0	SETS	25	PLOTS/SET	0	1.50	-	TOTAL ENGINEERING (Basic Services)					\$ 34,766.00
PLOTTING - 22 X 34 PAPER PLOTS	3	SETS	25	PLOTS/SET	75	3.00	225.00	OTHER DIRECT COSTS - (Special Services)					
PRINTING - 11 X 17 PLANS (UTILITY CLEARANCE SETS)	0	SETS	25	PLOTS/SET	0	1.00	-	FIELD SURVEY					\$ 3,700.00
PRINTING - 11 X 17 PLANS (BID SETS)	4	SETS	25	PLOTS/SET	100	1.00	100.00	TREE IDENTIFICATION SURVEY					\$ 2,300.00
PRINTING - 11 X 17 PLANS (AS-BUILT SETS)	2	SETS	25	PLOTS/SET	50	1.00	50.00	PROFESSIONAL ENVIRONMENTAL SERVICES					\$ 11,660.00
PDF PREPARATION	1	SETS	25	PLOTS/SET	1	8.00	8.00	USACE SECTION 404 NWP					\$ 11,000.00
SPECIFICATIONS - 8.5 X 11 PAPER COPIES	4	SETS	100	COPIES/SET	400	0.10	40.00	TOTAL ENGINEERING (Special Services)					\$ 28,660.00
SPECIFICATIONS - 8.5 X 11 PAPER COPIES (BID SETS)	4	SETS	100	COPIES/SET	400	0.10	40.00	TOTAL DESIGN FEE					\$ 63,426.00
TOTAL PRINTING & REPRODUCTION EXPENSES							\$ 613.00						
DIRECT EXPENSES													
PLOTTING - 11 X 17 PAPER PLOTS	8	SETS	25	PLOTS/SET	200	1.00	200.00						
REPRODUCTION - 8.5 X 11 PAPER COPIES	80	COPIES			80	0.10	8.00						
DELIVERY SERVICE	4	PKGS			4	15.00	60.00						
AUTO EXPENSE	6	TRIPS	50	MI /TRIP	300	0.55	165.00						
TOTAL PER PHASE DIRECT EXPENSES							\$ 433.00						