100% Shirk Street Widening (800' South of Walnut to Noble Road) (Total Length Approx. 1-Mile)

Fee Breakdown

	Project Technician I	Project Technician II	Project Technician III	Project Tech IV	Engineer	Senior Engineer	Principal Engineer	Utility Designer	Senior Utility Designer	Associate Planner	Principal Planner	BRI	4CG Construction	PCS Group	BIO	Cultural	Air Quality	404	SSA	Assistant Surveyor	Principal Land Surveyor	Survey Crew (2-Man Topo)	Reimbursable Expenses	TOTAL
												JDM												
	$98	$113	$129	$144	$180	$201	$252	$160	$201	$129	$216	115%	100%	115%	115%	115%	115%	115%	115%	$124	$221	$356	Fee Varies	
Task 1 - Project Initiation & Project Management																								
General Project Management/Coordination (assume 18 Months, 2-hours)					18		36																	$12,312
Prepare Monthly Invoicing (assume 18 months, 1-hour)							18																	$4,536
Initial Site Visit				2	2		2																	$1,152
Develop List of Issues				2	4		2																	$1,512
Identify Improvements				2	2		4																	$1,656
Prepare & Maintain Project Schedule (assume 18 months, 1-hour)							18																	$4,536
Kickoff Meeting				2	2		6																	$2,160
Additional Meetings (assumed 8)				8	16		16																	$8,064
																								$35,928
Task 2 - Topographic Survey																								
Field Research																					2			$442
Control																				2	2			$690
Field Data Collection																						24		$8,544
Office Drafting																				9	4			$2,000
Staking C&G locations to assist in pole relocations																				4	2	9		$4,142
																								$15,818
Task 3 - Right-of-Way Acquisition (BRI)																								
Right-of-Way Acquisition (assumed 8 parcels)												$64,540												$74,221
																								$74,221
Task 4 - Right-of-Way Support																								
Legal Descriptions & Research (assumed 8 parcels)																				16	32			$9,056
ROW Staking																				4	2	18		$7,346
Review PTRs (assumed 8)																					8			$1,768
																								$18,170
Task 5 - Construction Plans, Specifications, & Cost Estimates																								
Storm Drain Calculations & Report					32		4																	$6,768
Cover Sheet				10	4		2																	$2,664
General Notes				10	4		2																	$2,664
Typical Sections				16	8		4																	$4,752
Topo & Demo Plans				40	16		8																	$10,656
Utilities and Potholing Plan				40	16		8																	$10,656
Interim Improvement P&P Sheets				160	60		20																	$38,880
Final Improvement P&P Sheets				160	60		20																	$38,880
Interim Signing and Striping Plans				40	20		10																	$11,880
Final Signing and Striping Plans				40	20		10																	$11,880
Street Light Plans				40	20		10																	$11,880
Intersection/Ramp Design				40	20		10																	$11,880
Irrigation Ditch Plans				90	40		20																	$25,200
Detail Sheets				24	10		4																	$6,264
Turn Movement Evaluation and Exhibit				24	6		2																	$5,040
Walnut Avenue Improvements				40	16		8																	$10,656
Cost Estimate (at 60%, 90% and 100%)					40		12																	$10,224
60% Submittal Processing and Response to Comments					4		6																	$2,232
90% Submittal Processing and Response to Comments					4		6																	$2,232
90% Specifications					24		12																	$7,344
100% Submittal Processing and Response to Comments					4		6																	$2,232
100% Specifications					16		8																	$4,896
QAQC (60, 90, 100 efforts)				160	80		40																	$47,520
																								$287,280
Task 6 - Traffic Signal Design																								
Traffic Signal Research				4			2																	$1,080
Site Visits (assumed 1)				2			2																	$792
60% PS&E Submittal				16		8	4																	$4,920
90% PS&E Submittal				16		8	4																	$4,920
100% PS&E Submittal				8		4	2																	$2,460
																								$14,172
Task 7 - Utility Research & Coordination																								
Validate Maps	14			4																				$1,948
Draft Map Updates in Topo				4		4	2	18	3															$5,367
Draft Conflict Maps				8		4	2	24	2															$6,702
Assist w/liability determinations	24			6																				$3,216
Utility Redlines	20			8																				$3,112
Utility Applications	30			12																				$4,668
CalWater Coordination	32			14					4															$5,956
Dry Utility (SGE, SCG, AT&T, Comast, etc.) Coordination	52			22				4	4															$9,708
																								$40,677
Task 8 - Street Light & Fiber Interconnect Design																								
60% PS&E Submittal				4		4	1	18	2															$4,914
90% PS&E Submittal				4		4	1	14	2															$4,274
100% PS&E Submittal				2		2	1	10	1															$2,743
																								$11,931
Task 9 - Landscape & Irrigation Construction Documents (PCS Group)																								
Plans, Specifications, & Estimates														$18,000										$20,700
																								$20,700
Task 10 - Potholing (4CG Construction) (Optional)																								
Potholing Services (assumed 5 per day with a total of 3-days)				16	8		8						$53,545											$59,305
Survey Potholing Support (Optional with Potholing)																				2	2	9		$3,894
																								$63,199
Task 11 - Off-site Coordination																								
CalTrans				8	16	16	16																	$11,280
CalTrans Encroachment Permit with Traffic Control Plans (Traffic to do)					24	16	16																	$11,568
198 Bridge Crossing				12	16	8	8																	$8,232
Walnut Intersection				12	16	8	8																	$8,232
Property Walks with adjacent owners to understand design impacts					16		16																	$6,912
Meetings (2)				4	4	4	4																	$3,108
																								$49,332
Task 12 - Bidding & Construction Assistance (Optional)																								
Assist w/ bidding questions & addendums			4		4	2	1	2	1															$2,411
Provide interpretation of construction documents					4	2	1	1	1															$1,735
Assist w/ RFTs during construction			8		8	4	2	4	2															$4,822
Attend pre-con meeting					2	2			2															$1,164
Furnish revised drawings			16		12	4	2	8	2															$7,214
Assist w/ reviewing change orders					1	1	1		1															$834
Subconsultants														$2,000										$2,300
																								$20,480
Task 13 - Federal Funding (Optional)																								
Add Federal Project Number; Adjust bid schedule					4	6	4																	$2,934
																								$2,934
Task 14 - As-Built Plans (Optional)																								
As-Built Coordination					8	8	4																	$4,056
As-Built Preparation		24		16	8	4	2																	$7,764
Mileage & material costs	4																							$392
Admin	4																							$392
																								$12,604
TOTAL:	**180**	**24**	**28**	**1202**	**719**	**163**	**472**	**103**	**27**			**$64,540**	**$53,545**	**$20,000**						**37**	**54**	**60**	**$0**	

SUBTOTAL FOR 4Creeks Tasks	$509,326
SUBTOTAL FOR Sub Consultants =	$94,921
SUBTOTAL FOR POTHOLING TASK =	$63,199
TOTAL W/O OPTIONAL TASKS =	**$568,229**
TOTAL W/ OPTIONAL TASKS =	**$667,446**