

Shirk (Walnut to SR 198) 30% Design

Fee Breakdown

Budget Prepared by: Jason M

Natalia/Brooklyn		Elijah			Danielle		Ryan	Jason/Matt	David	Jason A	Taryn	Lisa	Clinton			
Project	Project	Project	Project	Associate		Senior	Principal	Associate	Utility	Senior Utility	Engineer I	Senior Traffic	Senior	2-Man Survey	Reimbursable Expenses	TOTAL
Technician I	Technician II	Technician III	Technician IV	Engineer	Engineer I	Engineer II	Engineer	Engineer	Designer	Designer	(Traffic)	Engineer	Surveyor	Crew	Fee Varies	
\$95.00	\$110.00	\$125.00	\$140.00	\$145.00	\$160.00	\$175.00	\$195.00	\$245.00	\$140.00	\$195.00	\$160.00	\$195.00	\$185.00	\$260.00	Fee Varies	

Task 1 – Project Management

Task 2 – Surveys, Mapping, & ROW

Task 3.1 – Preliminary Engineering (30% P&E)

Task 3.2 - Drainage & Hydraulics (30% P&E)

Drainage Analysis							8	4													\$2,180
Drainage & Pond Design					16				24	8	4										\$8,980
Drainage Memorandum									16	8	2										\$4,850
Hydraulic Analysis									12	4											\$2,880
QCQA									8	8	4										\$3,940
																					\$22,830

Task 3.3- Utility Coordination (30% P&E)

Coordinate w/ utility companies	49																				\$7,175
Draft utilities in Topographic Survey drawing	40																				\$4,360
Draft conflict maps					16				4		2										\$3,990
Assist w/ liability determinations	16																				\$2,640
Utility Redlines	15																				\$2,265
Utility Applications	40																				\$7,100
Utility coordination meetings									4	4											\$2,040
Coordinate w/CalWater on Water Main alignment					16				12	6											\$5,510
Optional Utility Potholing (3-days assumed)																					\$41,106.00
																					\$41,106
																					\$76,186

Task 3.7 - Field Exploration, Geotechnical**Engineering & Reporting (30% P&E)**

Field Exploration & Geotechnical Engineering																					\$13,225.00	\$13,225
																						\$13,225

Future Task - Environmental Studies &**Consultation w/ Regulatory Agencies (30% P&E)**

Field Review & Background Investigation																						\$0
Environmental Studies & Consultation w/ Regulatory Agencies																						\$0
Phase I Initial Site Assessment (ISA)																						\$0
Environmental Document (NEPA & CEQA)																						\$0
Asbestos/ADL/Lead Paint Survey																						\$0
Prepare State & Federal Permit Applications																						\$0

Assumed not to be needed in 30%

Future Task - Final Design (PS&E)

65% PS&E Submittal																						\$0
90% PS&E Submittal																						\$0
100% PS&E Submittal																						\$0
Final PS&E Submittal																						\$0
Subconsultant Design																						\$0
Subconsultant Expenses																						\$0
Admin.																						\$0

Not Included at this time

Future Task - Assistance during Bidding**(Optional)**

Pre-bid meeting																				\$0
Attend bid opening																				\$0
Assist w/ pre-bid questions																				\$0
Assist w/ issuing addendums																				\$0
Assist in reviewing bids																				\$0
Assist County w/ bid award																				\$0
Subconsultant																				\$0
Admin																				\$0

Not Included at this time**Future Task - Environmental Monitoring &****Design Support during Construction (Optional)**

Provide consultation and interpretation of CD's																				\$0
Respond to RFI's during construction																				\$0
Attend preconstruction meetings																				\$0
Furnishing revised drawings/details during construction																				\$0
Assist w/ construction change orders																				\$0
Environmental Monitoring																				\$0
Travel Expenses for Environmental Monitoring																				\$0
As-builts																				\$0
Subconsultant																				\$0
Admin																				\$0

Not Included at this time**TOTAL:**

238	0	0	406	0	0	289	113	66	65	7	114	54	62	8	\$68,033				
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TOTAL 30% Project Budget = \$289,048