

**EXHIBIT B**

**LABOR AND BUDGET ESTIMATE**

**City of Hercules  
Sycamore Ave Sewer Trunk Replacement  
Design and Bidding Services**

Task Task Description		Carollo Labor											Other Direct Costs (ODC)						Total Cost	
													Subconsultants	PECE	Printing	Mileage		ODC Total		
		PIC/PM	PE	Hydraulics	CM	SE	QA/QC	Drafter	Engineer	DP	GIS	Total	Labor			Includes 5% Markup	\$11.70			Trips
1.0	Project Management and Meetings	42	18	3	0	0	0	0	0	0	63	\$16,734		\$737	\$0	0	\$0	\$737	\$17,471	
	1.1 Project Management and Administration	48	74	16	4	0	0	0	24	0	166	\$38,660		\$1,942	\$0	17	\$440	\$2,382	\$41,042	
	1.2 Meetings/Workshops																			
Task 1.0 Totals =		90	92	19	4	0	0	0	24	0	0	229	\$55,394					Task 1.0 Totals =	\$58,513	
2.0	Environmental																			
	2.1 CEQA Documentation	8	20	0	0	0	0	0	16	0	0	44	\$9,352	\$73,150	\$515	\$0	0	\$0	\$73,665	\$83,017
Task 2.0 Totals =		8	20	0	0	0	0	0	16	0	0	44	\$9,352					Task 2.0 Totals =	\$83,017	
3.0	Permitting																			
	3.1 Identification of required permits	2	8	0	0	0	0	0	4	0	0	14	\$2,998		\$164	\$0	0	\$0	\$164	\$3,162
	3.2 Permitting Documentation / Applications	4	72	0	0	0	0	12	52	16	0	156	\$29,488		\$1,825	\$0	0	\$0	\$1,825	\$31,313
Task 3.0 Totals =		6	80	0	0	0	0	12	56	16	0	170	\$32,486					Task 3.0 Totals =	\$34,475	
4.0	Right of Way Services																			
	4.1 Identification of required easements	2	4	0	0	0	0	4	8	0	0	18	\$3,490	\$21,000	\$211	\$0	0	\$0	\$211	\$3,701
	4.2 Negotiations, Development of Easement Docs	2	8	0	0	0	0	0	16	0	0	26	\$4,978		\$304	\$0	0	\$0	\$21,304	\$26,282
Task 4.0 Totals =		4	12	0	0	0	0	4	24	0	0	44	\$8,468					Task 4.0 Totals =	\$29,983	
5.0	Field Investigation																			
	5.1 Topographic Survey	2	8	0	0	0	0	0	0	0	0	10	\$2,338	\$49,150	\$117	\$0	0	\$0	\$49,267	\$51,605
	5.2 Geotechnical Investigations	2	8	0	0	0	0	0	0	0	0	10	\$2,338	\$87,000	\$117	\$0	0	\$0	\$87,117	\$89,455
	5.3 Potholing	8	4	0	0	0	0	0	8	0	0	20	\$4,512	\$15,750	\$234	\$0	0	\$0	\$15,984	\$20,496
Task 5.0 Totals =		12	20	0	0	0	0	0	8	0	0	40	\$9,188					Task 5.0 Totals =	\$161,556	
6.0	Preliminary Design																			
	6.1 Review Existing Information	4	8	4	0	2	0	0	24	0	0	42	\$8,214		\$491	\$0	0	\$0	\$491	\$8,705
	6.2 Establish Design Criteria	2	8	8	0	0	0	0	8	0	0	26	\$5,354		\$304	\$0	0	\$0	\$304	\$5,658
	6.3 Capacity Analysis	6	24	32	0	0	12	0	88	0	12	174	\$33,358		\$2,036	\$0	0	\$0	\$2,036	\$35,394
	6.3.1 Model Development	2	4	8	0	0	4	0	40	0	4									
	6.3.2 Model Calibration	2	4	16	0	0	4	0	40	0	4									
	6.3.3 Design Flow & Trunk Sewer Sizing Determination	2	16	8	0	0	4	0	8	0	4									
	6.4 Alignment Alternatives Development	6	20	4	8	0	1	0	16	0	4	59	\$12,747		\$690	\$0	0	\$0	\$690	\$13,437
	6.5 Alignment Alternatives Analysis	4	40	0	8	4	1	0	20	0	0	77	\$16,837		\$901	\$0	0	\$0	\$901	\$17,738
	6.6 Develop Preliminary Cost Estimate	4	16	0	4	2	1	0	16	0	0	43	\$9,251		\$503	\$0	0	\$0	\$503	\$9,754
	6.7 30% Design Drawings	20	39	0	0	8	10	78	40	0	0	195	\$39,694		\$2,282	\$0	0	\$0	\$2,282	\$41,976
	6.8 Preliminary Design Report	4	40	8	6	4	4	2	32	12	0	112	\$22,490		\$1,310	\$0	0	\$0	\$1,310	\$23,800
Task 6.0 Totals =		50	195	56	26	20	29	80	244	12	16	728	\$147,945					Task 6.0 Totals =	\$156,463	
7.0	Final Design																			
	7.1 90% PS&E	61	115	0	0	31	31	239	98	31	0	606	\$121,636		\$7,090	\$0	0	\$0	\$7,090	\$128,726
	7.2 Final PS&E	10	28	0	0	5	5	41	0	5	0	94	\$19,573		\$1,100	\$0	0	\$0	\$1,100	\$20,673
Task 7.0 Totals =		71	143	0	0	36	36	280	98	36	0	700	\$141,209					Task 7.0 Totals =	\$149,399	
8.0	Bid Support																			
	8.1 Attend Pre Bid Meeting	3	3	0	0	0	0	0	0	0	0	6	\$1,527		\$70	\$0	0	\$0	\$70	\$1,597
	8.2 RFI Review/Addenda	8	18	0	0	0	0	11	0	2	0	39	\$8,490		\$456	\$0	0	\$0	\$456	\$8,947
	8.3 Conformed Documents	2	12	0	4	0	0	24	0	12	0	54	\$9,978		\$632	\$0	0	\$0	\$632	\$10,610
Task 8.0 Totals =		13	33	0	4	0	0	35	0	14	0	99	\$19,995					Task 8.0 Totals =	\$21,154	
9.0	Flow Monitoring																			
	9.1 Flow Monitoring - V&A (3 months)	4	4	16	0	0	0	0	0	0	0	24	\$5,428	\$87,045	\$281	\$0	0	\$0	\$87,326	\$92,754
Task 9.0 Totals =		4	4	16	0	0	0	0	0	0	0	24	\$5,428					Task 9.0 Totals =	\$92,754	
TOTAL		258	599	91	34	56	65	411	470	78	16	2,078	\$429,465	\$333,095	\$24,313	\$0	17	\$440	\$357,847	\$787,313