



EXHIBIT B - COST PROPOSAL

No. SDD-066 / SPD125- WATER-5748 Professional Engineering Design and Environmental Services for County Service Area 70J
Chromium-6 Treatment Project
San Bernardino County Department of Public Works - Special Districts Division

Item	Description	Bruce A. Davis, Principal II	Shane Bloomfield, Principal II	Sinnaro Yos, Senior III	Taevin Scatliffe, Associate I	Joseph C. Caldwell, Principal II	Michael E. Johnson, Principal II	Jon Ros, Senior II	Andres Lopez, Senior II	Jordan T. Moretti, Associate I	Riley Skvarca, Assistant III	Alexandra N. Frey, Project Coordinator	2-Man Survey Party	Total Hours	Subtotal - Labor	Trussell Budget	Spec Services Budget	Tang Structural Budget	Ninyo & Moore Budget	C-Below Budget	Expenses	Total/task ¹
	Billout Rate	\$ 321	\$ 321	\$ 288	\$ 224	\$ 321	\$ 321	\$ 275	\$ 275	\$ 224	\$ 166	\$ 145	\$ 341									
Task 1 - Project Management		16	58	30		12						38		154	\$ 41,756	\$ 36,362	\$ 2,100	\$ -	\$ -	\$ -	\$ 150	\$ 80,368
1.1	Project Management	4	12									12		28	\$ 6,876	\$ 6,825	\$ -	\$ -	\$ -	\$ -		\$ 13,701
1.2	Field Reviews		4	8								1		13	\$ 3,733	\$ -	\$ 2,100	\$ -	\$ -	\$ -	\$ 150	\$ 5,983
1.3a	Meetings	3	8									8		19	\$ 4,691	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 4,691
1.3b	Alternatives Workshop		4	6								1		11	\$ 3,157	\$ 4,872	\$ -	\$ -	\$ -	\$ -		\$ 8,029
1.3b	BoD / 35% Design Workshop		2	4								2		8	\$ 2,084	\$ 10,479	\$ -	\$ -	\$ -	\$ -		\$ 12,563
1.3c	Final Design Workshops (2)	1	4	6								4		15	\$ 3,913	\$ 3,402	\$ -	\$ -	\$ -	\$ -		\$ 7,315
1.4	Project Schedule		4									4		8	\$ 1,864	\$ 2,625	\$ -	\$ -	\$ -	\$ -		\$ 4,489
1.5	Invoicing		4									6		10	\$ 2,154	\$ 8,159	\$ -	\$ -	\$ -	\$ -		\$ 10,313
1.6	QA/QC	8	16	6		12								42	\$ 13,284	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 13,284
Task 2 - Preliminary Design and Reports			33	94	92	4						12		235	\$ 61,297	\$116,067	\$ 10,500	\$ 3,045	\$ -	\$ -	\$ -	\$ 190,909
2.1	Treatment Options		8	12										20	\$ 6,024	\$ 55,440	\$ -	\$ -	\$ -	\$ -		\$ 61,464
2.2	BoD Report		10	40	18	4						12		84	\$ 21,786	\$ 44,352	\$ -	\$ -	\$ -	\$ -		\$ 66,138
2.3	Preliminary Design (35%)		12	36	70									118	\$ 29,900	\$ 11,508	\$ 10,500	\$ 3,045	\$ -	\$ -		\$ 54,953
2.4	Cost Estimates		2	4	4									10	\$ 2,690	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 2,690
2.5	SWRCB Compliance Plan		1	2										3	\$ 897	\$ 4,767	\$ -	\$ -	\$ -	\$ -		\$ 5,664
Task 3 - Engineering Plans and Specifications		1	56	100	230							2		389	\$ 98,907	\$116,729	\$140,175	\$ 19,425	\$ -	\$ -	\$ -	\$ 375,236
3.1	65% Submittal		18	40	100									158	\$ 39,698	\$ 12,117	\$ 75,600	\$ 8,400	\$ -	\$ -		\$ 135,815
3.2	95% Submittal		16	24	80									120	\$ 29,968	\$ 3,171	\$ 38,325	\$ 6,300	\$ -	\$ -		\$ 77,764
3.3	Final Plans		10	18	40									68	\$ 17,354	\$ -	\$ 15,750	\$ 4,725	\$ -	\$ -		\$ 37,829
3.4	Cost Estimates		4	8	4									16	\$ 4,484	\$ -	\$ 10,500	\$ -	\$ -	\$ -		\$ 14,984
3.5	Pre-Purchased Equipment Specifications	1	8	10	6							2		27	\$ 7,403	\$ 40,110	\$ -	\$ -	\$ -	\$ -		\$ 47,513
3.6	Operations Plan / SOP's (7)														\$ -	\$ 61,331	\$ -	\$ -	\$ -	\$ -		\$ 61,331
Task 4 - Utilities			1	6	22							10		39	\$ 8,427	\$ -	\$ -	\$ -	\$ -	\$ 11,550	\$ 300	\$ 20,277
4.1	Utility Research			2	8							8		18	\$ 3,528	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300	\$ 3,828
4.2	10 Potholes (Optional)			2	8							2		12	\$ 2,658	\$ -	\$ -	\$ -	\$ -	\$ 11,550		\$ 14,208
4.3	Utility Plan / Exhibits		1	2	6									9	\$ 2,241	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 2,241
Task 5 - Design Survey (Optional)			2		2		20	47	11	10		9	32	133	\$ 37,917	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,265	\$ 39,182
5.1	Field Topo Survey		1		1		1		3	7		1	12	26	\$ 7,496	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 143	\$ 7,639
5.2	Boundary Survey		1		1		6	27	2				8	45	\$ 13,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71	\$ 13,245
5.3	Record of Survey						11	20	5			6	8	50	\$ 14,004	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 946	\$ 14,950
5.4	Monument Preservation/ Corner Record						2		1	3		2	4	12	\$ 3,243	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105	\$ 3,348
Task 6 - Environmental Compliance			2	4								2		8	\$ 2,084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,084
6.1	Prepare NOE														\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
6.2	Permit Applications		2	4								2		8	\$ 2,084	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 2,084
Task 7 - Geotechnical Investigation (Optional)			2	2								2		6	\$ 1,508	\$ -	\$ -	\$ -	\$ 26,933	\$ -	\$ -	\$ 28,441
7.1	Investigation		2	2								2		6	\$ 1,508	\$ -	\$ -	\$ -	\$ 26,933	\$ -		\$ 28,441



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Task 8 - Advertising/Bidding Support (Optional)			4	12	4							5		25	\$ 6,361	\$ -	\$ 4,410	\$ -	\$ -	\$ -	\$ 100	\$ 10,871
8.1	Attend Pre-bid Meeting			4										4	\$ 1,152	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 1,252
8.2	Respond to Questions		2	4	4							2		12	\$ 2,980	\$ -	\$ 4,410	\$ -	\$ -	\$ -		\$ 7,390
8.3	Prepare Addenda (3)		2	4								3		9	\$ 2,229	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 2,229
Task 9 - Construction Support (Optional)			19	52	106							16		193	\$ 47,139	\$ -	\$ 97,650	\$ -	\$ -	\$ -	\$ -	\$ 144,789
9.1	Meetings (5)		7	6										13	\$ 3,975	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 3,975
9.2	RFI's (10)		2	10	10									22	\$ 5,762	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 5,762
9.3	Contractor Submittals (50)		2	20	60							15		97	\$ 22,017	\$ -	\$ 22,050	\$ -	\$ -	\$ -		\$ 44,067
9.4	Plan Revisions		2	4	24									30	\$ 7,170	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 7,170
9.5	Record Drawings		2	4	12							1		19	\$ 4,627	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 4,627
9.6	PLC Programming		2	4										6	\$ 1,794	\$ -	\$ 63,000	\$ -	\$ -	\$ -		\$ 64,794
9.7	Control Philosophy Narrative		2	4										6	\$ 1,794	\$ -	\$ 12,600	\$ -	\$ -	\$ -		\$ 14,394
Task 10 - Construction Staking (Optional)							1	2	3	6	7	1	32	52	\$ 15,259	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 356	\$ 15,615
10.1	Survey Control						1	2			1		8	12	\$ 3,765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71	\$ 3,836
10.2	Misc. Field Survey/Staking								3	6	6	1	24	40	\$ 11,494	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 285	\$ 11,779
Grand Total		17	177	300	456	16	21	49	14	16	7	97	64	1234	\$320,655	\$269,157	\$254,835	\$ 22,470	\$ 26,933	\$ 11,550	\$2,171	\$ 907,772
Total without Optional Services		17	150	232	336	16						62		813	\$209,813	\$269,157	\$152,775	\$ 22,470	\$ -	\$ -	\$ 450	\$ 654,666
Optional Services Total			27	68	120		21	49	14	16	7	35	64	421	\$110,842	\$ -	\$102,060	\$ -	\$ 26,933	\$ 11,550	\$1,721	\$ 253,106

1. Rounded to the nearest \$1.