

**Chula Vista Light Rail Corridor Improvements
Cost Estimate - Palomar Street (in 2012 \$)**

Item No.	Item	Units	Unit Price	P1 - Palomar Over Road		P2 - Palomar Over Current		P4 - Palomar Under Current	
				Quantity	Total	Quantity	Total	Quantity	Total
1	Mobilization	LS	\$1,000,000	1	\$1,000,000	1	\$1,000,000	1	\$1,000,000
2	Guideway on Retained Fill (Concrete Walls)	2 Track Foot	\$3,000	1000	\$3,000,000	1000	\$3,000,000	0	\$0
3	Aerial Guideway	SF	\$180	46498	\$8,369,640	46498	\$8,369,640	0	\$0
4	Station on Aerial Structure	LS	\$6,500,000	1	\$6,500,000	1	\$6,500,000	0	\$0
5	Soldier Pile Retaining Wall	SF	\$150	0	\$0	0	\$0	85756	\$12,863,400
6	Tie-Back Anchor	EA	\$4,000	0	\$0	0	\$0	100	\$400,000
7	Structural Concrete (Retaining Wall)	CY	\$550	0	\$0	0	\$0	425	\$233,750
8	Precast Voided Slab Bridge w/ Abutments	SF	\$275	0	\$0	0	\$0	8226	\$2,262,150
9	Earthwork: Cut & Export	CY	\$43	0	\$0	0	\$0	51797	\$2,227,271
6	Station Below Grade	LS	\$6,500,000	0	\$0	0	\$0	1	\$6,500,000
7	Track: Direct Fixation	TF	\$304	2682	\$815,328	4680	\$1,422,720	4680	\$1,422,720
8	Track: Ballasted	TF	\$187	4950	\$925,650	4950	\$925,650	4950	\$925,650
9	Track Removal	TF	\$116	9749	\$1,130,884	9749	\$1,130,884	9749	\$1,130,884
10	Catenary	TM	\$1,320,000	2.01	\$2,651,750	2.01	\$2,653,200	2.01	\$2,653,200
11	#10 Single Crossover	EA	\$207,000	3	\$621,000	3	\$621,000	3	\$621,000
12	Concrete Encase Sewer	LF	\$30	50	\$1,500	50	\$1,500	0	\$0
13	Concrete Encase Storm Drain	LF	\$30	100	\$3,000	100	\$3,000	0	\$0
14	Relocate 15" Sewer	LF	\$104	0	\$0	267	\$27,768	2121	\$220,584
15	Sewer Manhole	EA	\$3,778	0	\$0	2	\$7,556	12	\$45,336
16	5'x8' Box Culvert	LF	\$748	0	\$0	0	\$0	345	\$258,060
17	Raise 230kV Overhead Transmission Line	Line Miles	\$1,350,000	0.47	\$639,205	0.47	\$634,500	0	\$0
18	Raise 138kV Overhead Transmission Line	Line Miles	\$1,600,000	0.47	\$757,576	0.47	\$752,000	0	\$0
19	Storm Water Pump Station	LS	\$65,000	0	\$0	0	\$0	1	\$65,000
20	Relocate SDGE Distribution Line Underground	LF	\$120	135	\$16,200	135	\$16,200	0	\$0
SubTotal					\$26,431,732		\$27,065,618		\$32,829,005
Contingency (25%)					\$6,607,933		\$6,766,405		\$8,207,251
Total					\$33,039,665		\$33,832,023		\$41,036,256