

CHAPEL HUBBARD SIGNAL UPGRADES PROJECT 2015

OPWC No.CGY13

Project No. 14-018-02

Ref. No.	Item	Description	Engineer's Opinion of Probable Cost		SIGNAL SERVICE COMPANY		PERRAM ELECTRIC, INC.		THOMPSON ELECTRIC, INC.	
			Estimated Quantity	Measure Unit						
1	203	Excavation, 8"	40	CY	\$ 50.00	\$ 2,000.00	\$ 52.00	\$ 2,080.00	\$ 34.80	\$ 1,392.00
2	204	Subgrade Compaction	180	SY	\$ 3.00	\$ 540.00	\$ 2.00	\$ 360.00	\$ 3.30	\$ 594.00
3	304	Aggregate Base, 4"	20	CY	\$ 66.00	\$ 1,320.00	\$ 85.00	\$ 1,700.00	\$ 55.00	\$ 1,100.00
4	608	Concrete Walk, 4"	1625	SF	\$ 9.00	\$ 14,625.00	\$ 6.25	\$ 10,156.25	\$ 8.80	\$ 14,300.00
5	609	Curb, Type 2A	62	Foot	\$ 35.00	\$ 2,170.00	\$ 15.00	\$ 930.00	\$ 11.00	\$ 682.00
6	614	Maintaining Traffic	1	Lump	\$ 6,000.00	\$ 6,000.00	\$ 2,396.05	\$ 2,396.05	\$ 4,240.00	\$ 4,240.00
7	625	Conduit, 2", 725.04	96	Foot	\$ 21.00	\$ 2,016.00	\$ 17.10	\$ 1,641.60	\$ 13.30	\$ 1,276.80
8	625	Conduit, 3", 725.04	559	Foot	\$ 19.00	\$ 10,621.00	\$ 21.55	\$ 12,046.45	\$ 24.15	\$ 13,499.85
9	625	Trench	372	Foot	\$ 4.00	\$ 1,488.00	\$ 9.30	\$ 3,459.60	\$ 7.62	\$ 2,834.64
10	625	Trench in Paved Area, Type B	238	Foot	\$ 25.00	\$ 5,950.00	\$ 29.00	\$ 6,902.00	\$ 72.50	\$ 17,255.00
11	625	Pull Box, 725.06, 13" x 24"	5	Each	\$ 406.00	\$ 2,030.00	\$ 785.00	\$ 3,925.00	\$ 556.00	\$ 2,780.00
12	625	Pull Box, 725.06, 24" x 36"	1	Each	\$ 651.00	\$ 651.00	\$ 1,025.00	\$ 1,025.00	\$ 772.00	\$ 772.00
13	625	Pull Box Removed	7	Each	\$ 95.00	\$ 665.00	\$ 135.00	\$ 945.00	\$ 188.00	\$ 1,316.00
14	625	Ground Rod	5	Each	\$ 132.00	\$ 660.00	\$ 185.00	\$ 925.00	\$ 121.00	\$ 605.00
15	625	Plastic Caution Tape	610	Foot	\$ 0.21	\$ 128.10	\$ 0.05	\$ 30.50	\$ 0.19	\$ 115.90
16	632	Vehicular Signal Head, (LED),Black, 3-Section, 12" Lens, 1-way, polycarbonate, with backplate, A.P.P.	4	Each	\$ 650.00	\$ 2,600.00	\$ 630.00	\$ 2,520.00	\$ 760.00	\$ 3,040.00
17	632	Vehicular Signal Head, (LED), Black, 5-Section, 12" Lens, 1-way, polycarbonate, with backplate, A.P.P.	4	Each	\$ 1,081.00	\$ 4,324.00	\$ 1,105.00	\$ 4,420.00	\$ 1,283.00	\$ 5,132.00
18	632	Pedestrian Signal Head (LED), (Countdown), Type D2, A.P.P.	8	Each	\$ 391.00	\$ 3,128.00	\$ 400.00	\$ 3,200.00	\$ 498.10	\$ 3,984.80
19	632	Covering of Vehicle Signal Head	8	Each	\$ 11.00	\$ 88.00	\$ 10.00	\$ 80.00	\$ 42.50	\$ 340.00
20	632	Pedestrian Pushbutton	8	Each	\$ 100.00	\$ 800.00	\$ 195.00	\$ 1,560.00	\$ 218.00	\$ 1,744.00
21	632	Detector Loop	10	Each	\$ 800.00	\$ 8,000.00	\$ 945.00	\$ 9,450.00	\$ 1,180.00	\$ 11,800.00
22	632	Loop Detector Unit, Delay and Extension Type	10	Each	\$ 122.00	\$ 1,220.00	\$ 95.00	\$ 950.00	\$ 150.50	\$ 1,505.00
23	632	Messenger Wire, 7 Strand, 3/8" Diameter with Accessories	498	Foot	\$ 4.00	\$ 1,992.00	\$ 8.75	\$ 4,357.50	\$ 25.02	\$ 12,459.96
24	632	Tether Wire, with accessories	306	Foot	\$ 4.55	\$ 1,392.30	\$ 10.65	\$ 3,258.90	\$ 28.68	\$ 8,776.08
25	632	Power Cable,2 Conductor, No.6 AWG	72	Foot	\$ 5.00	\$ 360.00	\$ 2.90	\$ 208.80	\$ 3.15	\$ 226.80
26	632	Signal Cable, 5 Conductor, No.14 AWG	694	Foot	\$ 1.04	\$ 721.76	\$ 2.00	\$ 1,388.00	\$ 1.39	\$ 964.66
27	632	Signal Cable, 7 Conductor, No. 14 AWG	1486	Foot	\$ 1.29	\$ 1,916.94	\$ 2.25	\$ 3,343.50	\$ 1.63	\$ 2,422.18
28	632	Strain Pole Foundation	4	Each	\$ 1,800.00	\$ 7,200.00	\$ 3,865.00	\$ 15,460.00	\$ 1,572.50	\$ 6,290.00
29	632	Loop Detector Lead-in-Cable	3021	Foot	\$ 0.75	\$ 2,265.75	\$ 1.85	\$ 5,588.85	\$ 1.52	\$ 4,591.92
30	632	Power Service	1	Each	\$ 1,225.00	\$ 1,225.00	\$ 1,145.00	\$ 1,145.00	\$ 1,484.00	\$ 1,484.00
31	632	Conduit Riser, 2" Diameter	1	Each	\$ 287.00	\$ 287.00	\$ 530.00	\$ 530.00	\$ 441.00	\$ 441.00
32	632	Strain Pole, Type TC-81.10,Design 11	4	Each	\$ 5,449.00	\$ 21,796.00	\$ 4,890.00	\$ 19,560.00	\$ 6,404.00	\$ 25,616.00
33	632	Removal of Traffic Signal Installation, A.P.P.	1	Each	\$ 3,000.00	\$ 3,000.00	\$ 750.00	\$ 750.00	\$ 2,520.00	\$ 2,520.00
34	633	Controller Unit, Type TS2/A2 with Cabinet Type TS1, A.P.P.	1	Each	\$ 8,300.00	\$ 8,300.00	\$ 7,340.00	\$ 7,340.00	\$ 8,053.50	\$ 8,053.50
35	633	Cabinet Foundation	1	Each	\$ 715.00	\$ 715.00	\$ 2,560.00	\$ 2,560.00	\$ 1,034.00	\$ 1,034.00
36	633	Cabinet Riser	1	Each	\$ 324.00	\$ 324.00	\$ 240.00	\$ 240.00	\$ 434.00	\$ 434.00
37	633	Uninterruptible Power Supply (UPS), A.P.P.	1	Each	\$ 4,100.00	\$ 4,100.00	\$ 4,250.00	\$ 4,250.00	\$ 4,216.50	\$ 4,216.50
38	633	Preemption Detector Cable, A.P.P.	606	Foot	\$ 0.96	\$ 581.76	\$ 2.00	\$ 1,212.00	\$ 1.60	\$ 969.60
39	633	Reuse of Preemption Equipment, A.P.P.	1	Each	\$ 2,000.00	\$ 2,000.00	\$ 1,945.00	\$ 1,945.00	\$ 1,498.00	\$ 1,498.00
40	SPECIAL	Surface Preparation, New Strain Poles	4	Each	\$ 220.00	\$ 880.00	\$ 210.00	\$ 840.00	\$ 1.20	\$ 4.80
41	SPECIAL	Coating, Epoxy Intermediate Coat, Strain Poles	4	Each	\$ 220.00	\$ 880.00	\$ 210.00	\$ 840.00	\$ 1.20	\$ 4.80
42	SPECIAL	Coating, Urethane Finish Coat, Strain Poles	4	Each	\$ 220.00	\$ 880.00	\$ 210.00	\$ 840.00	\$ 1.20	\$ 4.80
43	SPECIAL	Removal and Relocation of Existing Sign Support, A.P.P.	1	Each	\$ 2,200.00	\$ 2,200.00	\$ 100.00	\$ 100.00	\$ 1,206.00	\$ 1,206.00
					Bid Total: \$ 134,041.61		Bid Total: \$ 146,460.00		Bid Total: \$ 173,527.59	