



Olympic Drive Non-Motorized Improvements - Phase 1

SvR #14008.10 and 14008.20

Prepared by ST/JM; Checked by NP/TvS

3/25/2016

90% Design - Summary of Probable Construction Cost

ITEM #	Spec. Number	ITEM DESCRIPTION	UNITS	QUANTITIES	UNIT COST	COST
		PREPARATION				
1	1-09	MOBILIZATION 8%	LS	1	\$71,250	\$71,250
2	1-07	RELOCATE UTILITY POLE AND GUY WIRE, BY OTHERS	EACH	2	\$10,000	\$20,000
3	2-01	CLEARING AND GRUBBING	SF	13,000	\$0.25	\$3,250
4	2-01	REMOVE TREE	EACH	18	\$600	\$10,800
5	2-02	REMOVAL OF STRUCTURE AND OBSTRUCTION	LS	1	\$39,900	\$39,900
6	2-02	RELOCATE BOULDER	EACH	2	\$100	\$200
7	2-02	SALVAGE NAMEPLATE ROCK	LS	1	\$500	\$500
8	2-02	SALVAGE ROTARY PAVEMENT INLAY	LS	1	\$500	\$500
9	2-02	SALVAGE STONE FACING	LS	1	\$500	\$500
10	2-02	SALVAGE PEDESTRIAN LIGHT AND POLE	LS	1	\$1,000	\$1,000
11	2-05	TREE PROTECTION	LS	1	\$2,500	\$2,500
		GRADING				
12	2-03	ROADWAY EXCAVATION INCL HAUL	CY	160	\$30	\$4,800
13	2-03	STRUCTURE EXCAVATION CLASS A INCL. HAUL	CY	350	\$30	\$10,500
14	2-03	COMMON BORROW INCL HAUL	CY	75	\$40	\$3,000
		STORM SEWER				
15	7-01	UNDERDRAIN PIPE 4 IN. DIAM.	LF	158	\$40	\$6,320
16	7-05	UNDERDRAIN PIPE 6 IN. DIAM.	LF	75	\$40	\$3,000
17	7-05	CATCH BASIN TYPE 1	EACH	3	\$2,100	\$6,300
18	7-05	CATCH BASIN TYPE 2	EACH	1	\$3,500	\$3,500
19	7-04	SOLID WALL PVC STORM SEWER PIPE 8 IN. DIAM.	LF	160	\$60	\$9,600
20	7-04	SOLID WALL PVC STORM SEWER PIPE 18 IN. DIAM.	LF	20	\$100	\$2,000
20	7-04	DUCTILE IRON STORM SEWER PIPE 8 IN. DIAM.	LF	77	\$85	\$6,545
21	7-01	DRAIN PIPE 4 IN. DIAM.	LF	20	\$30	\$600
22	SP	BIORETENTION PLANTER	EACH	3	\$1,400	\$4,200
23	7-19	SEWER CLEAN OUT	EACH	2	\$500	\$1,000
24	SP	FLOW DISPERSAL TRENCH	LF	20	\$100	\$2,000
25	7-04	TESTING STORM SEWER PIPE	LF	257	\$4.50	\$1,157
26	SP	LOCKING FRAME AND SOLIID COVER FOR EXISTING STRUCTURE	EACH	1	\$250	\$250
27	7-05	ADJUST CATCH BASIN	EACH	3	\$600	\$1,800
		WATER LINES				
28	7-12	GATE VALVE 8 IN.	EACH	5	\$1,200	\$6,000
29	7-09	DUCTILE IRON PIPE FOR WATER MAIN 8 IN. DIAM.	LF	853	\$100	\$85,300
		SURFACING				
30	4-04	CRUSHED SURFACING BASE COURSE	TON	430	\$35	\$15,050
31	4-04	CRUSHED SURFACING TOP COURSE	TON	72	\$50	\$3,600
		HOT MIX ASPHALT				
32	5-04	HMA CL. 1/2" 64-22	TON	330	\$160	\$52,800
		IRRIGATION AND WATER DISTRIBUTION SYSTEM				
33	8-03	IRRIGATION SYSTEM	LS	1	\$9,300	\$9,300
		EROSION CONTROL AND ROADSIDE PLANTING				
34	8-02	EROSION/WATER POLLUTION CONTROL	EST	1	\$15,000	\$15,000
35	8-02	TOPSOIL TYPE A	CY	55	\$70	\$3,850
36	8-02	FINE COMPOST	CY	61	\$60	\$3,660
37	8-02	PLANTING AREA PREPARATION FOR PLANTING BED	SF	6,000	\$2.25	\$13,500
38	8-02	PSIPE - 2.5 IN. CAL. TREE	EACH	5	\$400.00	\$2,000
39	8-02	PSIPE - 8 FT.-10 FT. HT. TREE	EACH	8	\$400.00	\$3,200
40	8-02	PSIPE - 7 FT.-8 FT. HT. TREE	EACH	5	\$400.00	\$2,000
41	8-02	PSIPE - 5 GAL. CONTAINER	EACH	30	\$60	\$1,800
42	8-02	PSIPE - 2 GAL. CONTAINER	EACH	205	\$45	\$9,225
43	8-02	PSIPE - 1 GAL. CONTAINER	EACH	381	\$25	\$9,525
44	8-02	PSIPE - 10 CU. IN. PLUG	EACH	138	\$11	\$1,518
45	8-02	ARBORIST WOOD CHIP MULCH, 3" DEPTH	CY	56	\$50	\$2,800

90% Design - Summary of Probable Construction Cost

ITEM #	Spec. Number	ITEM DESCRIPTION	UNITS	QUANTITIES	UNIT COST	COST
		TRAFFIC				
46	1-07	PROJECT TEMPORARY TRAFFIC CONTROL	ALLOW.	1	\$116,000	\$116,000
47	8-04	CEMENT CONC. TRAFFIC CURB AND GUTTER	LF	537	\$30	\$16,110
48	8-04	CEMENT CONC. PEDESTRIAN CURB	LF	83	\$50	\$4,150
49	8-04	CONCRETE CHANNNEL	LF	150	\$35	\$5,250
50	8-04	HALF CONCRETE CHANNNEL	LF	60	\$20	\$1,200
51	8-21	PERMANENT SIGNING	LS	1	\$5,000	\$5,000
52	8-22	PAINT LINE	LF	4,930	\$3.50	\$17,255
53	8-22	PLASTIC STOP LINE	LF	123	\$15	\$1,845
54	8-22	PAINTED BICYCLE SYMBOL	EACH	40	\$150	\$6,000
55	8-22	PAINTED TRAFFIC ARROW	EACH	8	\$150	\$1,200
56	8-22	PAINTED CROSSHATCH MARKING	LF	720	\$4.00	\$2,880
57	8-22	PAINTED TRAFFIC LETTER, 12-INCH HIGH	EACH	4	\$50	\$200
58	8-22	PAINTED TRAFFIC LETTER, 24-INCH HIGH	EACH	8	\$75	\$600
59	8-22	PAINTED TRAFFIC LETTER, 6-FEET HIGH	EACH	20	\$100	\$2,000
60	8-22	PLASTIC CROSSWALK LINE	SF	160	\$30	\$4,800
61	8-22	GREEN COLORED PAINT	SF	1,850	\$10	\$18,500
61	8-22	REMOVING TRAFFIC MARKING	LS	1	\$8,000	\$8,000
61	8-10	FLEXIBLE GUIDE POST	EACH	32	\$400	\$12,800
62	8-10	FLEXIBLE GUIDE POST (UNINSTALLED)	EACH	5	\$200	\$1,000
		OTHER				
63	2-09	SHORING OR EXTRA EXCAVATION CLASS B	LS	1	\$5,000	\$5,000
62	6-11	TRAFFIC SIGNAL PAD	LS	1	\$2,500	\$2,500
64	2-03	GRAVEL BORROW FOR STRUCTURAL EARTH WALL INCL. HAUL	CY	530	\$40	\$21,200
63	6-13	STRUCTURAL EARTH WALL	SF	1,140	\$28	\$31,920
64	6-13	PEDESTRIAN GUARDRAIL	LF	158	\$120	\$18,960
65	8-14	CEMENT CONC. SIDEWALK	SY	210	\$60	\$12,600
66	8-14	CEMENT CONC. SIDEWALK, COLORED	SY	17	\$100	\$1,700
67	8-14	CEMENT CONC. CURB RAMP, PERPENDICULAR	EACH	2	\$2,800	\$5,600
68	8-14	DETECTABLE WARNING SURFACE	SF	52	\$100	\$5,200
69	8-14	CONCRETE WALL CAP	LF	158	\$100	\$15,800
70	8-15	COBBLES	SY	1	\$250	\$250
		TRAFFIC SIGNAL SYSTEM				
71	8-20	TRAFFIC SIGNAL COMPLETE, WINSLOW	LS	1	\$2,600	\$2,600
72	8-20	TRAFFIC SIGNAL, HARBORVIEW DRIVE	LS	1	\$98,390	\$98,390
73	8-20	ILLUMINATION SYSTEM	LS	1	\$53,460	\$53,460
74	8-20	INTERCONNECT	LS	1	\$4,800	\$4,800
					Subtotal	\$961,900
10%					Design Contingency	\$96,200
					Total	\$1,058,100

- Assumptions:**
- General Conditions not included
 - Taxes and Overhead not included
 - Agency Utility Connection fees not included
 - City Permit Fees
 - Does not include franchise utility relocation costs except two utility poles along Olympic Drive
 - Flow control and water quality treatment are not required
 - Shoring was assumed for trench excavation for a catch basin and storm connection pipe
 - Project Temporary Traffic Control includes \$50,000 for temporary signal at Harborview Drive