

CLARK COUNTY
 CRP #000580
 NE 179th Street at NE 29th Avenue Intersection
 Engineers Estimate of Probable Construction Cost
 60% Design



Estimate date: 11/15/2021
 Prepared by: Otak

Estimate Notes and assumptions

Unit costs for items derived from prior bid tabulations, WSDOT unit costs, and professional experience.

Note: Estimate does not include costs for property acquisition (if needed) or utility impacts

BID ITEM NUMBER	SPEC. SECTION	BID ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
1	1-09	MOBILIZATION	L.S.	1	\$ 1,016,583.81	\$ 1,016,583.81
2	1-04	MINOR CHANGE	CALC	1	\$ 10,000.00	\$ 10,000.00
3	1-05	ROADWAY SURVEYING	L.S.	1	\$ 20,000.00	\$ 20,000.00
4	1-05	LICENSED SURVEYING	EST	1	\$ 20,000.00	\$ 20,000.00
5	1-05	ADA FEATURES SURVEYING	L.S.	1	\$ 10,000.00	\$ 10,000.00
6	1-05	RECORD DRAWINGS	L.S.	1	\$ 5,000.00	\$ 5,000.00
7	1-07	SPCC PLAN	L.S.	1	\$ 2,500.00	\$ 2,500.00
8	1-10	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	1	\$ 590,000.00	\$ 590,000.00
9	1-10	FLAGGERS	HOUR	2000	\$ 60.00	\$ 120,000.00
10	1-10	CONSTRUCTION SIGNS CLASS A	S.F.	500	\$ 30.00	\$ 15,000.00
11	1-10	PORTABLE CHANGEABLE MESSAGE SIGN	HOUR	2000	\$ 8.00	\$ 16,000.00
12	1-10	PEDESTRIAN TRAFFIC CONTROL	L.S.	1	\$ 15,000.00	\$ 15,000.00
13	2-01	CLEARING AND GRUBBING	L.S.	1	\$ 182,438.02	\$ 182,438.02
14	2-01	ROADSIDE CLEANUP	EST	1	\$ 25,000.00	\$ 25,000.00
15	2-02	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	1	\$ 80,000.00	\$ 80,000.00
16	2-03	ROADWAY EXCAVATION INCL. HAUL	C.Y.	23960	\$ 30.00	\$ 718,800.00
17	2-03	SELECT BORROW INCL. HAUL	TON	74000	\$ 15.00	\$ 1,110,000.00
18	2-03	STORMWATER FACILITY EXCAVATION INCL. HAUL	CY	16022	\$ 20.00	\$ 320,443.70
19	SP	IMPERVIOUS LINER	SY	4360	\$ 15.00	\$ 65,393.33
20	2-09	STRUCTURE EXCAVATION CLASS B	CY	6616	\$ 20.00	\$ 132,327.48
21	4-04	CRUSHED SURFACING BASE COURSE	TON	17774	\$ 30.00	\$ 533,220.00
22	4-04	PERMEABLE BALLAST	CY	727	\$ 65.00	\$ 47,228.52
23	5-04	HMA CL. 1/2 IN. PG 64-22	TON	9000	\$ 120.00	\$ 1,080,000.00
24	5-04	PLANING BITUMINOUS PAVEMENT	S.Y.	1107	\$ 7.50	\$ 8,302.50
25	5-05	TEXTURED/PIGMENTED CEMENT CONC. SPLITTER ISLAND	S.Y.	813	\$ 75.00	\$ 60,975.00
26	5-05	TEXTURED/PIGMENTED CEMENT CONC. TRUCK APRON	S.Y.	434	\$ 85.00	\$ 36,927.78
27	6-02	CONC. CLASS 4000 (BR NO 1)	C.Y.	75	\$ 450.00	\$ 33,750.00
28	6-02	SUPERSTRUCTURE (BR NO 1)	L.S.	1	\$ 474,000.00	\$ 474,000.00
29	6-02	ST REINFORCING BAR (BR NO 1)	LB	9500	\$ 2.50	\$ 23,750.00
30	6-02	BRIDGE APPROACH SLAB (BR NO 1)	S.Y.	350	\$ 270.00	\$ 94,500.00
31	6-05	DRIVING STEEL PILE (BR NO 1)	EACH	24	\$ 1,600.00	\$ 38,400.00
32	6-05	FURNISHING STEEL PILE (BR NO 1)	L.F.	1800	\$ 60.00	\$ 108,000.00
33	6-06	BRIDGE RAILING TYPE BP (BR NO 1)	L.F.	180	\$ 160.00	\$ 28,800.00
34	6-09	MEMBRANE DECK SEAL (BR NO 1)	S.Y.	900	\$ 50.00	\$ 45,000.00
35	6-10	SINGLE SLOPE CONCRETE BARRIER (BR NO 1)	L.F.	180	\$ 430.00	\$ 77,400.00
36	6-02	CONC. CLASS 4000 (BR NO 2)	C.Y.	90	\$ 450.00	\$ 40,500.00
37	6-02	SUPERSTRUCTURE (BR NO 2)	L.S.	1	\$ 685,000.00	\$ 685,000.00
38	6-02	ST REINFORCING BAR (BR NO 2)	LB	13000	\$ 2.50	\$ 32,500.00
39	6-02	BRIDGE APPROACH SLAB (BR NO 2)	S.Y.	400	\$ 270.00	\$ 108,000.00
40	6-05	DRIVING STEEL PILE (BR NO 2)	EACH	28	\$ 1,600.00	\$ 44,800.00
41	6-05	FURNISHING STEEL PILE (BR NO 2)	L.F.	2200	\$ 60.00	\$ 132,000.00
42	6-06	BRIDGE RAILING TYPE BP (BR NO 2)	L.F.	240	\$ 160.00	\$ 38,400.00
43	6-09	MEMBRANE DECK SEAL (BR NO 2)	S.Y.	1200	\$ 50.00	\$ 60,000.00
44	6-10	SINGLE SLOPE CONCRETE BARRIER (BR NO 2)	L.F.	240	\$ 430.00	\$ 103,200.00
45	6-13	RETAINING WALL	S.F.	27300	\$ 44.00	\$ 1,201,200.00
46	2-03	CHANNEL EXCAVATION INCL. HAUL	C.Y.	1162	\$ 30.00	\$ 34,860.00
47	8	BANK RESTORATION TYPE 1	S.Y.	1100	\$ 10.00	\$ 11,000.00
48	7-06	TEMPORARY STREAM DIVERSION (179TH)	L.S.	1	\$ 75,000.00	\$ 75,000.00
49	7-07	PIER LOG	EA	46	\$ 300.00	\$ 13,800.00
50	8	LOG/ROOTWAD	EA	27	\$ 800.00	\$ 21,600.00
51	8-15	QUARRY SPALLS	TON	507	\$ 70.00	\$ 35,490.00
52	8	STREAMBED SEDIMENT	TON	781	\$ 80.00	\$ 62,480.00

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BID ITEM NUMBER	SPEC. SECTION	BID ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
53	7-04	STORM SEWER PIPE 10 IN. DIAM.	L.F.	315	\$ 55.00	\$ 17,323.90
54	7-04	STORM SEWER PIPE 12 IN. DIAM.	L.F.	2036	\$ 60.00	\$ 122,141.40
55	7-04	STORM SEWER PIPE 18 IN. DIAM.	L.F.	3487	\$ 70.00	\$ 244,085.80
56	7-04	STORM SEWER PIPE 24 IN. DIAM.	L.F.	862	\$ 130.00	\$ 112,058.70
57	7-04	STORM SEWER PIPE 30 IN. DIAM.	L.F.	195	\$ 160.00	\$ 31,278.40
58	7-05	MANHOLE 48 IN. DIAM. TYPE 1	EACH	28	\$ 5,000.00	\$ 140,000.00
59	7-05	MANHOLE 60 IN. DIAM. TYPE 1	EACH	9	\$ 7,000.00	\$ 63,000.00
60	7-05	MANHOLE 72 IN. DIAM. TYPE 3	EACH	2	\$ 12,000.00	\$ 24,000.00
61	7-05	CONCRETE COMBINATION CURB INLET	EACH	22	\$ 5,000.00	\$ 110,000.00
62	7-05	CONCRETE DITCH INLET	EACH	9	\$ 3,000.00	\$ 27,000.00
63	7-05	CONCRETE CURB INLET	EACH	8	\$ 3,000.00	\$ 24,000.00
64	SP	FLOW CONTROL STRUCTURE	EACH	1	\$ 15,000.00	\$ 15,000.00
65	SP	STORMWATER OUTFALL	EACH	3	\$ 7,500.00	\$ 22,500.00
66	SP	4x4 FILTERRA UNIT	EACH	2	\$ 21,000.00	\$ 42,000.00
67	8-01	ESC LEAD	DAY	200	\$ 50.00	\$ 10,000.00
68	8-01	STABILIZED CONSTRUCTION ENTRANCE	S.Y.	700	\$ 25.00	\$ 17,500.00
69	8-01	TIRE WASH	EACH	1	\$ 10,000.00	\$ 10,000.00
70	8-01	INLET PROTECTION	EACH	4	\$ 100.00	\$ 400.00
71	8-01	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	1	\$ 130,000.00	\$ 130,000.00
72	8-01	HIGH VISIBILITY SILT FENCE	L.F.	3000	\$ 2.50	\$ 7,500.00
73	8-02	ROADSIDE PLNTING-PLANTER STRIP (SOIL/PLANTING/IRRIGATION)	S.F.	24660	\$ 8.00	\$ 197,280.00
74	8-02	ROADSIDE PLNTING-ROADABOUT (SOIL/PLANTING/IRRIGATION)	S.F.	12100	\$ 15.00	\$ 181,500.00
75	8-02	ROADSIDE PLNTING-EMBANKMENT (SOIL/SEEDING)	S.F.	85500	\$ 4.00	\$ 342,000.00
76	8-02	STREAM PLNTING-RESTORATION (SOIL/PLANTING)	S.F.	27500	\$ 6.00	\$ 165,000.00
77	SP	COMPOST AMENDED TOPSOIL (POND)	C.Y.	1000	\$ 65.00	\$ 65,000.00
78	8-02	STORMWATER FACILITY PLANTING (POND)	L.S.	1	\$ 54,500.00	\$ 54,500.00
79	8-02	ENVIRONMENTAL MITIGATION COST	L.S.	1	\$ 185,000.00	\$ 185,000.00
80	8-04	CEMENT CONC. TRAFFIC CURB AND GUTTER	L.F.	3860	\$ 31.00	\$ 119,660.00
81	8-04	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER	L.F.	4950	\$ 25.00	\$ 123,750.00
82	8-04	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	L.F.	459	\$ 32.00	\$ 14,688.00
83	8-04	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	L.F.	321	\$ 90.00	\$ 28,890.00
84	8-04	ROUNDABOUT SPLITTER ISLAND NOSING CURB	EACH	4	\$ 1,000.00	\$ 4,000.00
85	8-06	DRIVEWAY CONSTRUCTION TYPE HMA	S.Y.	1010	\$ 50.00	\$ 50,500.00
86	8-11	BEAM GUARDRAIL TYPE 31	L.F.	1095	\$ 30.00	\$ 32,850.00
87	8-11	BEAM GUARDRAIL ACHOR TYPE 10	EACH	3	\$ 1,800.00	\$ 5,400.00
88	8-11	BEAM GUARDRAIL TYPE 31 NON FLARED TERMINAL	EACH	4	\$ 3,700.00	\$ 14,800.00
89	8-12	CHAIN LINK FENCE TYPE 3	L.F.	2495	\$ 30.00	\$ 74,850.00
90	8-12	TEMPORARY CHAIN LINK FENCE	L.F.	2050	\$ 6.00	\$ 12,300.00
91	8-14	CEMENT CONC. SIDEWALK	S.Y.	4950	\$ 65.00	\$ 321,750.00
92	8-14	CEMENT CONC. DRIVEWAY ENTRANCE TYPE 3	S.Y.	332	\$ 200.00	\$ 66,355.56
93	8-14	CEMENT CONC. CURB RAMP TYPE COMBINATION	EACH	8	\$ 3,000.00	\$ 24,000.00
94	8-14	CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTIONAL	EACH	8	\$ 2,200.00	\$ 17,600.00
95	8-14	DETECTABLE WARNING SURFACE	S.F.	296	\$ 40.00	\$ 11,840.00
96	8-18	MAILBOX SUPPORT TYPE 1	EACH	13	\$ 550.00	\$ 7,150.00
97	8-20	ILLUMINATION SYSTEM	L.S.	1	\$ 325,000.00	\$ 325,000.00
98	8-20	ITS	L.S.	1	\$ 175,000.00	\$ 175,000.00
99	8-21	PERMANENT SIGNING	L.S.	1	\$ 30,000.00	\$ 30,000.00
100	8-22	PAINT LINE	L.F.	13760	\$ 0.40	\$ 5,504.00
101	8-22	PLASTIC LINE	L.F.	6280	\$ 3.00	\$ 18,840.00
102	8-22	PLASTIC WIDE LANE LINE	L.F.	280	\$ 4.00	\$ 1,120.00
103	8-22	PLASTIC CROSSWALK LINE	S.F.	545	\$ 8.00	\$ 4,360.00
104	8-22	PLASTIC TRAFFIC ARROW	EACH	6	\$ 300.00	\$ 1,800.00

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105	8-22	PLASTIC TRAFFIC LETTER	EACH	3	\$ 300.00	\$ 900.00
106	8-22	PLASTIC YIELD LINE SYMBOL	EACH	25	\$ 250.00	\$ 6,250.00
107	8-22	PLASTIC WIDE DOTTED ENTRY LINE	L.F.	161	\$ 5.50	\$ 885.50
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
					SUBTOTAL	\$13,723,881.39
					CONTINGENCIES	15.00%
					TOTAL	\$2,058,582.21
						\$15,782,463.60