

CITY OF PORTLAND, OREGON
BUREAU OF TRANSPORTATION ENGINEERING AND DEVELOPMENT
PRELIMINARY ENGINEER'S ESTIMATE
for SE 31st Avenue LID

Preliminary Engineer's Estimate for the improvement of SE 31st Avenue from 150' to 350' north of Francis St.

Note: BID ITEMS IN BOLD ARE NOT ODOT STANDARD BID ITEMS.

Note: Percentages shown in blue are variable.

BID ITEMS

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	Mobilization (8%)	ls	1.00	\$ 5,900.00	\$ 5,900.00
2	Temporary Protection & Direction of Traffic (1%)	ls	1.00	\$ 700.00	\$ 700.00
3	Temporary Signs	sf	100.00	\$ 19.00	\$ 1,900.00
4	Temporary Barricades, Type III	ea	2.00	\$ 156.00	\$ 312.00
5	Flaggers	hr	8.00	\$ 50.70	\$ 405.60
6	Straw Bale Sediment Barrier	lf	0.00	\$ 10.40	\$ -
7	Silt Fence, Unsupported	lf	150.00	\$ 4.30	\$ 645.00
8	Inlet Protection	ea	0.00	\$ 101.00	\$ -
9	Gravel Construction Entrances	ea	1.00	\$ 1,450.00	\$ 1,450.00
10	Removal of Structures & Obstructions (1%)	ls	1.00	\$ 700.00	\$ 700.00
11	Clearing and Grubbing	ls	1.00	\$ 2,000.00	\$ 2,000.00
12	Contingent Tree Removal, 0" - 8"	ea	1.00	\$ 290.00	\$ 290.00
13	Contingent Tree Removal, 8" - 20"	ea	1.00	\$ 670.00	\$ 670.00
14	Contingent Tree Removal, Over 20"	ea	1.00	\$ 870.00	\$ 870.00
15	Exploratory Tree Root Excavation	hr	3.00	\$ 180.00	\$ 540.00
16	Ditch Excavation	cy	0.00	\$ 11.60	\$ -
17	General Excavation	cy	350.00	\$ 26.70	\$ 9,345.00
18	Embankment in Place	cy	0.00	\$ 12.20	\$ -
19	12" Subgrade Stabilization	sy	57.00	\$ 15.00	\$ 855.00
20	Infiltration Swale	lf	200.00	\$ 40.00	\$ 8,000.00
20	Watering	kgal	0.00	\$ 64.00	\$ -
21	Subgrade Geotextile	sy	566.00	\$ 1.40	\$ 792.40
22	Retaining Wall, MSE	sy	0.00	\$ 215.00	\$ -
23	Passive Treatment Pond	ls	0.00	\$ -	\$ -
24	Trench Excavation	cy	0.00	\$ 21.70	\$ -
25	Selected Stone Backfill	cy	0.00	\$ 31.90	\$ -
26	Selected Granular Backfill	cy	0.00	\$ 20.30	\$ -
27	Class "C" Bedding	cy	0.00	\$ 21.70	\$ -
28	3 Inch Drain Pipe	lf	0.00	\$ 24.60	\$ -
29	10 Inch Storm Sewer Pipe, 5 ft Depth Complete	lf	0.00	\$ 40.00	\$ -
30	10 Inch Storm Sewer Pipe, 10 ft Depth	lf	0.00	\$ 112.00	\$ -
31	12 Inch Storm Sewer Pipe, 5 ft Depth	lf	0.00	\$ 42.00	\$ -
32	12 Inch Storm Sewer Pipe, 10 ft Depth	lf	0.00	\$ 53.00	\$ -
33	Concrete Manholes, Type?	ea	0.00	\$ 3,700.00	\$ -
34	Concrete Manholes, Sedimentation, 10' Deep	ea	0.00	\$ 3,910.00	\$ -
35	Concrete Sumps, 30' Deep	ea	0.00	\$ 7,540.00	\$ -
36	Sump Capacity Test	ea	0.00	\$ 1,090.00	\$ -
37	Standby for Sump Test Results	hr	0.00	\$ 58.00	\$ -
38	Sump Pipe Stubout	ea	0.00	\$ 101.00	\$ -
38	Concrete Curb Cut with Concrete Pad	ea	0.00	\$ 300.00	\$ -
39	Concrete Inlets Type SW	ea	7.00	\$ 300.00	\$ 2,100.00
40	Concrete Inlets Type CG-2	ea	0.00	\$ 1,590.00	\$ -
41	Concrete Inlets Type D	ea	0.00	\$ 1,520.00	\$ -

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
42	Drainage Curbs	lf	0.00	\$ 7.20	\$ -
43	Adjust Manholes	ea	1.00	\$ 348.00	\$ 348.00
44	Connection to Existing Structures	ea	0.00	\$ 2,810.00	\$ -
45	Adjust Inlets	ea	0.00	\$ 362.00	\$ -
46	Adjust Boxes	ea	1.00	\$ 312.00	\$ 312.00
47	Trench Resurfacing	lf	0.00	\$ 68.00	\$ -
47	Aggregate Base	cy	0.00	\$ 46.40	\$ -
48	Aggregate Base	ton	226.00	\$ 25.90	\$ 5,853.40
49	Aggregate Driveway Connection	sy	22.00	\$ 18.10	\$ 398.20
50	Aggregate Driveway Connection	ton	0.00	\$ 63.50	\$ -
51	Level 2, 1/2 inch Dense HMA	ton	99.00	\$ 63.70	\$ 6,306.30
52	Extra for Asphalt Approaches	ea	0.00	\$ 580.00	\$ -
53	Asphalt Driveway Connection	sy	22.00	\$ 23.20	\$ 510.40
54	Asphalt Driveway Connection	ton	0.00	\$ 162.20	\$ -
55	Plain Conc. Pave., Undowelled, 5.5" Thick	sy	0.00	\$ 44.90	\$ -
56	Plain Conc. Pave., Undowelled, 11" Thick	sy	0.00	\$ 34.80	\$ -
57	Concrete Walk	sf	914.00	\$ 6.00	\$ 5,484.00
58	Monolithic Curb and Sidewalk	sf	1,506.00	\$ 8.25	\$ 12,424.50
59	Concrete Driveways	sf	276.00	\$ 6.00	\$ 1,656.00
60	Concrete Driveways, Reinforced	sf	0.00	\$ 5.70	\$ -
61	Concrete Driveway Connection	sf	0.00	\$ 5.40	\$ -
62	Standard Curb Concrete Curb	lf	0.00	\$ 16.00	\$ -
63	Curb and Gutter Concrete Curb	lf	173.00	\$ 30.00	\$ 5,190.00
64	Concrete Stairs	lf	0.00	\$ 216.00	\$ -
65	Remove & Re-install Existing Signs	ea	1.00	\$ 138.00	\$ 138.00
66	Sign Support Footings	ea	0.00	\$ 101.50	\$ -
67	Single Post Slip Base Sign Supports	ea	0.00	\$ 1,090.00	\$ -
68	Pipe Sign Posts	ea	0.00	\$ 115.90	\$ -
69	Type G Signs in Place	sy	0.00	\$ 248.00	\$ -
70	Type R Signs in Place	sy	0.00	\$ 248.00	\$ -
71	Type W1 Signs in Place	sy	0.00	\$ 235.00	\$ -
72	Type W2 Signs in Place	sy	0.00	\$ 274.00	\$ -
73	Type Y1 Signs in Place	sy	0.00	\$ 235.00	\$ -
74	Topsoil	cy	10.00	\$ 36.20	\$ 362.00
75	Seeding, Fertilizing & Mulching	sy	0.00	\$ 2.20	\$ -
76	Wildflower Planting	sy	0.00	\$ 2.90	\$ -
77	Erosion Control Matting	sy	0.00	\$ 2.90	\$ -
78	Seeded Lawn	sy	30.00	\$ 3.90	\$ 117.00
79	Sod Lawn	sy	0.00	\$ 14.50	\$ -
80	Deciduous Trees, 2 1/2 inch Caliper	ea	12.00	\$ 360.00	\$ 4,320.00
81	Shrubs, Size?	ea	0.00	\$ 14.50	\$ -
82	Ground Cover, Size?	ea	0.00	\$ 1.40	\$ -
83	Bark Mulch	cy	0.00	\$ 110.00	\$ -
84	CL-6 Modified Chain Link Fence	lf	0.00	\$ 14.50	\$ -
85	Remove Fence	lf	0.00	\$ 17.70	\$ -
86	Salvage & Re-install Fence	lf	0.00	\$ 63.60	\$ -
87	Relocate Mailbox & Post	ea	0.00	\$ 130.00	\$ -
88	Single Mailbox Supports	ea	0.00	\$ 217.00	\$ -
89	Multiple Mailbox Supports	ea	0.00	\$ 399.00	\$ -
90	Mailbox Concrete Collars	ea	0.00	\$ 65.20	\$ -
91	Size I Mail Box	ea	0.00	\$ 24.60	\$ -
92	Size II Mail Box	ea	0.00	\$ 43.50	\$ -
93	Tree Grates	ea	0.00	\$ 507.00	\$ -
94	Install Funding Sign	ea	0.00	\$ 290.00	\$ -

TOTAL BID ITEMS

\$ 80,894.80

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
##### ANTICIPATED ITEMS #####					

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
95	Right of Way Monumentation	ls	1.00	\$ -	\$ -
96	Erosion Control	ls	1.00	\$ -	\$ -
97	Street Lighting	ls	1.00	\$ 500.00	\$ 500.00
98	Replace Sewer House Branch	lf	0.00	\$ -	\$ -

TOTAL ANTICIPATED ITEMS \$ 500.00

SCHEDULE SUMMARY

BID ITEMS	\$ 80,895.00
ANTICIPATED ITEMS	\$ 500.00
 SUBTOTAL	 \$ 81,395.00
CONSTRUCTION CONTINGENCY (5%)	\$ 4,100.00
 TOTAL CONSTRUCTION	 \$ 85,495.00
 PROJECT MANAGEMENT (5%)	 \$ 4,300.00
DESIGN ENGINEERING (35%)	\$ 29,900.00
CONSTRUCTION MANAGEMENT (30%)	\$ 25,600.00
 TOTAL PROJECT MANAGEMENT, ENGINEERING	 \$ 59,800.00
 RIGHT-OF-WAY & PROPERTY ACQUISITION	 \$ -
RIGHT-OF-WAY CONTINGENCY (20%)	\$ -
 TOTAL PROJECT RIGHT-OF-WAY	 \$ -
 SUBTOTAL	 \$ 145,295.00
 OVERHEAD (VARIES)	 \$ -
 INFLATION RATE ON CONTRACT OF 4.2% FOR 2 YEARS	 \$ 7,332.39
INFLATION RATE ON PERSONNEL OF 2.0% FOR 2 YEARS	\$ 2,415.92
ESTIMATE CONTINGENCY FOR UNDEFINED OR CHANGE IN SCOPE (20%)	\$ 31,000.00
 TOTAL PROJECT CONTINGENCY	 \$ 40,748.31
 TOTAL PROJECT ESTIMATE	 \$ 186,043.31