

**CITY OF PORTLAND, OREGON
BUREAU OF TRANSPORTATION**

**PRELIMINARY ENGINEER'S ESTIMATE
SE 155th & Main & Millmain Drive LID Date: March 23, 2023**

By: TD

PRELIMINARY ENGINEER'S ESTIMATE FOR THE IMPROVEMENT OF SE 155TH AVENUE, SE MAIN STREET AND SE MILLMAIN DRIVE

##### BID ITEMS #####					
NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	LS	1.00	\$118,643.25	\$118,643.25
2	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	LS	1.00	\$107,857.50	\$107,857.50
3	STRIPE REMOVAL	FOOT	1,686.00	\$1.25	\$2,107.50
4	EROSION CONTROL	LS	1.00	\$10,785.75	\$10,785.75
5	SEDIMENT FENCE	FOOT	1,000.00	\$4.20	\$4,200.00
6	INLET PROTECTION, TYPE 3	EACH	6.00	\$118.00	\$708.00
7	POLLUTION CONTROL PLAN	LS	1.00	\$1,078.58	\$1,078.58
8	REMOVAL OF CURBS	FOOT	1,748.00	\$25.30	\$44,224.40
9	REMOVAL OF SURFACINGS	SQYD	2,022.00	\$8.20	\$16,580.40
10	REMOVAL OF INLETS	EACH	3.00	\$310.00	\$930.00
11	REMOVAL OF MAINTENANCE HOLES	EACH	2.00	\$1,050.00	\$2,100.00
12	REMOVAL OF FENCES	FOOT	250.00	\$6.00	\$1,500.00
13	CLEARING AND GRUBBING	LS	1.00	\$26,964.38	\$26,964.38
14	GENERAL EXCAVATION	CUYD	143.00	\$62.70	\$8,966.10
15	12 INCH SUBGRADE STABILIZATION	SQYD	70.35	\$55.40	\$3,897.39
16	SUBGRADE GEOTEXTILE	SQYD	469.00	\$1.79	\$839.51
17	12 INCH PIPE, HDPE ASTM F714 SDR 26 BEDDING TYPE:D, COMPLETE	FOOT	169.00	\$160.00	\$27,040.00
18	CONCRETE MAINTENANCE HOLES, SEDIMENTATION	EACH	2.00	\$7,943.75	\$15,887.50
19	SUMP MAINTENANCE HOLE, 30 FT DEPTH	EACH	2.00	\$11,250.00	\$22,500.00
20	SUMP CAPACITY TEST	EACH	2.00	\$2,400.00	\$4,800.00
21	CONCRETE INLETS, TYPE CG-2	EACH	5.00	\$3,079.01	\$15,395.04
22	FILLING ABANDONED STRUCTURES	EACH	3.00	\$2,400.00	\$7,200.00
23	MINOR ADJUSTMENT OF MAINTENANCE HOLES	EACH	2.00	\$1,290.62	\$2,581.23
24	MAJOR ADJUSTMENT OF MAINTENANCE HOLES	EACH	2.00	\$2,117.40	\$4,234.79
25	AGGREGATE BASE, 8 INCHES THICK	SQYD	469.00	\$23.56	\$11,049.64
26	LEVEL 2, 1/2 INCH DENSE, ACP MIXTURE WITH PG 64-22 ASPHALT	TON	82.00	\$151.14	\$12,393.48
27	11 INCH ASPHALT CONCRETE PAVEMENT REPAIR, COMPLETE	SQYD	647.00	\$150.00	\$97,050.00
28	CONCRETE CURBS, STANDARD CURB	FOOT	1,606.00	\$56.42	\$90,610.52
29	CONCRETE ISLANDS	SQFT	263.00	\$27.01	\$7,103.63
30	CONCRETE DRIVEWAYS	SQFT	96.00	\$24.00	\$2,304.00
31	CONCRETE WALKS	SQFT	30,793.00	\$10.80	\$332,564.40
32	MONOLITHIC CURB AND SIDEWALKS	SQFT	8,737.00	\$21.00	\$183,477.00
33	CONCRETE DRIVEWAY CONNECTIONS	SQFT	482.00	\$13.00	\$6,266.00
34	EXTRA FOR NEW CURB RAMPS	EACH	8.00	\$505.00	\$4,040.00
35	TRUNCATED DOMES ON NEW SURFACES	SQFT	114.00	\$40.00	\$4,560.00
36	MONO-DIRECTIONAL WHITE TYPE I MARKERS	EACH	12.00	\$9.55	\$114.60
37	PERMANENT SURFACE MOUNTED TUBULAR MARKERS	EACH	10.00	\$106.14	\$1,061.37
38	CURB MARKINGS - PAINT	FOOT	400.00	\$4.45	\$1,780.00
39	THERMOPLASTIC, EXTRUDED, SURFACE, NON-PROFILED	FOOT	6,760.00	\$1.40	\$9,464.00
40	PROFILED TACTILE GUIDANCE (EXTRUDED MMA)	FOOT	1,630.00	\$5.00	\$8,150.00
41	PAVEMENT LEGEND, TYPE B-HS: [TYPE]	EACH	29.00	\$399.00	\$11,571.00
42	PAVEMENT BAR , TYP B-HS	SQFT	78.00	\$8.90	\$694.20
43	GREEN BICYCLE LANE, PREFORMED THERMOPLASTIC FILM	SQFT	65.00	\$12.00	\$780.00
44	GREEN BICYCLE LANE, METHYL METHACRYLATE	SQFT	2,730.00	\$12.00	\$32,760.00
45	REMOVE & REINSTALL EXISTING SIGNS	LS*	2.00	\$161.60	\$323.20
46	SIGN SUPPORT FOOTINGS, BREAKAWAY	LS*	26.00	\$225.90	\$5,873.40
47	PIPE SIGN SUPPORTS	LS*	26.00	\$209.40	\$5,444.40
48	SIGNS, STANDARD SHEETING, SHEET ALUMINUM	SQFT	58.50	\$16.61	\$971.69
49	TOPSOIL	CUYD	143.00	\$86.49	\$12,367.53
50	DECIDUOUS TREES, 2-1/2 INCH CALIPER	EACH	58.00	\$822.00	\$47,676.00

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
51	BICYCLE RACKS	EACH	3.00	\$811.03	\$2,433.08
TOTAL BID ITEMS					\$1,343,904.46

ANTICIPATED ITEMS

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	STREET LIGHTING - UPGRADE LUMINAIRES	EACH	4.00	\$20,000.00	\$80,000.00
2	BOLI FEE PAYMENT	LS	1.00	\$1,343.90	\$1,343.90
3	CONTRACT CONTINGENCY	LS	1.00	\$134,390.45	\$134,390.45
TOTAL ANTICIPATED ITEMS					\$215,734.35

SCHEDULE SUMMARY

BID ITEMS				\$1,343,904.46
CONSTRUCTION CONTINGENCY	5%			\$67,195.00
SUBTOTAL				\$1,411,099.46

ANTICIPATED ITEMS				\$215,734.35
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TOTAL CONSTRUCTION

PROJECT MANAGEMENT	2%	of Bid items		\$27,500.00
DESIGN ENGINEERING	9%	of Bid items		\$124,600.00
CONSTRUCTION MANAGEMENT	15%	of Bid items		\$196,300.00
SUBTOTAL				\$348,400.00

PROJECT ENGINEERING & MANAGEMENT OVERHEAD	79.45%	of PM, Eng., and CM		\$151,272.80
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TOTAL PROJECT ENGINEERING & MANAGEMENT

RIGHT-OF-WAY LAND, IMPROVEMENTS, AND DAMAGES				\$0.00
RIGHT-OF-WAY APPRAISAL, TITLE INSURANCE, AND NEGOTIATION				\$0.00

RIGHT-OF-WAY CONTINGENCY				\$0.00
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TOTAL PROJECT RIGHT-OF-WAY

	Years			
INFLATION RATE ON CONTRACT	2	5.1%	of Construction	\$170,168.00
INFLATION RATE ON PERSONNEL	2	2.3%	of Eng. & Mgmt.	\$23,249.00
ESTIMATE CONTINGENCY FOR UNDEFINED OR CHANGE IN SCOPE		5%	of Const, Eng. & Mgmt., and Inflation	\$119,012.08

TOTAL PROJECT CONTINGENCY

TOTAL PROJECT COST ESTIMATE EXCLUSIVE OF REVENUE BUREAU & FINANCING COSTS

\$2,438,935.69