

187740

CITY OF PORTLAND, OREGON
 BUREAU OF TRANSPORTATION
 PRELIMINARY ENGINEER'S ESTIMATE
 SW Spring Garden Park LID (UPDATED BY LID ADMINISTRATOR ON 4/08/16)

PRELIMINARY ENGINEER'S ESTIMATE FOR THE IMPROVEMENT OF South side of SW Spring Garden St: 550' East of SW 35th Ave to 885' East of SW 35th Ave and North side of SW Dolph Ct: 550' East of SW 35th Ave to 885' East of SW 35th Ave.
VALUES IN BLUE ARE PERCENT OF CONTRACT.

BID ITEMS

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	10 INCH PIPE, PVC ASTM D3034 SDR35, BEDDING TYPE: D	FOOT	62.00	\$60.00	\$3,720.00
2	12 INCH PIPE, PVC ASTM D3034 SDR35, BEDDING TYPE: D	FOOT	293.00	\$69.00	\$20,217.00
3	12 INCH PIPE, PVC ASTM D3034 SDR35, BEDDING TYPE: D, COMPLETE	FOOT	75.00	\$95.00	\$7,125.00
4	12 INCH SUBGRADE STABILIZATION	SQYD	118.50	\$21.90	\$2,595.15
5	13 INCH ASPHALT CONCRETE PAVEMENT REPAIR	SQYD	146.75	\$30.00	\$4,402.53
6	3 INCH DRAIN PIPE	FOOT	600.00	\$17.00	\$10,200.00
7	4 INCH PIPE, PVC ASTM D3034 SDR35, BEDDING TYPE: D, COMPLETE	FOOT	10.00	\$40.00	\$400.00
8	ADDITIONAL ESTABLISHMENT PERIOD	YEAR*	0.00	\$264.00	\$0.00
9	ADDITIONAL STORMWATER PIPE AND INLET	LS	1.00	\$30,000.00	\$30,000.00
10	ADJUSTING BOXES	EACH	3.00	\$217.00	\$651.00
11	AGGREGATE BASE, 8 INCH THICK	SQYD	1,185.00	\$12.30	\$14,575.50
12	ASPHALT CONNECTIONS	SQFT	528.00	\$7.30	\$3,854.40
13	BARK MULCH	CUYD	15.00	\$55.60	\$834.00
14	CLEARING AND GRUBBING	LS	1.00	\$11,005.70	\$11,005.70
15	CONCRETE CURBS, THICKENED CURB AND GUTTER	FOOT	175.69	\$37.70	\$6,623.60
16	CONCRETE DRIVEWAY CONNECTIONS	SQFT	735.70	\$7.75	\$5,701.68
17	CONCRETE DRIVEWAYS	SQFT	1,368.00	\$8.40	\$11,491.20
18	CONCRETE INLETS, TYPE BEEHIVE	EACH	1.00	\$1,500.00	\$1,500.00
19	CONCRETE INLETS, TYPE CG-2	EACH	2.00	\$1,400.00	\$2,800.00
20	CONCRETE INLETS, TYPE CG-3	EACH	1.00	\$2,000.00	\$2,000.00
21	CONCRETE INLETS, TYPE METAL	EACH	4.00	\$550.00	\$2,200.00
22	CONCRETE INLETS, TYPE METAL, MODIFIED	EACH	2.00	\$550.00	\$1,100.00
23	CONCRETE MANHOLES, 48 INCH, 0-8 FT DEPTH	EACH	2.00	\$3,100.00	\$6,200.00
24	CONCRETE MANHOLES, SEDIMENTATION	EACH	1.00	\$4,200.00	\$4,200.00
25	CONCRETE MANHOLES, WATER QUALITY	EACH	1.00	\$16,500.00	\$16,500.00
26	CONCRETE WALKS	SQFT	1,054.15	\$7.40	\$7,800.74
27	CONNECTION TO EXISTING STRUCTURES	EACH	1.00	\$1,500.00	\$1,500.00
28	DECIDUOUS TREES, 2-1/2 INCH CALIPER	EACH	0.00	\$822.00	\$0.00
29	DITCH EXCAVATION	CUYD	183.33	\$18.00	\$3,300.00
30	EROSION CONTROL	LS	1.00	\$4,309.11	\$4,309.11
31	FLAGGERS	HOUR	64.00	\$48.50	\$3,104.00
32	GENERAL EXCAVATION	CUYD	1,606.00	\$35.00	\$56,210.00
33	INLET PROTECTION	EACH	3.00	\$88.00	\$264.00
34	LEVEL 2, 1/2 INCH DENSE, MWMAC MIXTURE	TON	207.00	\$89.50	\$18,526.50
35	MOBILIZATION	LS	1.00	\$43,091.10	\$43,091.10
36	MONOLITHIC CURB AND SIDEWALKS	SQFT	8,632.98	\$11.99	\$103,550.72
37	MULTIPLE MAILBOX SUPPORTS	EACH	1.00	\$339.00	\$339.00
38	POLLUTION CONTROL PLAN	LS	1.00	\$430.91	\$430.91
39	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LS	1.00	\$9,316.68	\$9,316.68
40	RETAINING WALL, CONVENTIONAL SEGMENTAL	SQFT	422.00	\$43.30	\$18,272.60
41	SEDIMENT FENCE, UNSUPPORTED	FOOT	536.00	\$2.50	\$1,340.00
42	STORMWATER PLANTERS	SQFT	571.00	\$38.05	\$21,726.55
43	SUBSURFACE DRAIN OUTLETS	EACH	2.00	\$387.00	\$774.00
44	SUBGRADE GEOTEXTILE	SQYD	1,185.00	\$1.25	\$1,485.89
45	TEMPORARY BARRICADES, TYPE II	EACH	1.00	\$60.00	\$60.00
46	TEMPORARY PLASTIC DRUMS	EACH	24.00	\$52.00	\$1,248.00
47	TEMPORARY PROTECTION & DIRECTION OF TRAFFIC	LS	1.00	\$7,647.49	\$7,647.49
48	TEMPORARY SIGNS	SQFT	73.00	\$20.00	\$1,460.00
49	TOPSOIL	CUYD	171.00	\$43.60	\$7,455.60
50	TRENCH BACKFILL, CLASS B	CUYD	121.00	\$26.33	\$3,185.93
51	TRENCH EXCAVATION, COMMON	CUYD	189.00	\$35.00	\$6,615.00
52	VIDEO INSPECTION OF SEWERS, MAINLINE	FOOT	273.00	\$1.30	\$354.90

* Unit Price Shown is on Pound, Each, or Foot Basis as Applicable

TOTAL BID ITEMS

\$493,265.48

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NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
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##### ANTICIPATED ITEMS #####					
NO.	ITEMS OF WORK AND MATERIALS	UNIT	QUANTITY	UNIT PRICE	TOTAL AMOUNT
53	BOLI FEE PAYMENT	LS	1.00	\$555.24	\$555.24
54	CONTRACT CONTINGENCY (REQUIREMENT TO ACCEPT BIDS UP TO 10% OVER ESTIMATE)	LS	1.00	\$50,671.21	\$50,671.21
55	MODELING SUPPORT	HR	20.00	\$150.00	\$3,000.00
56	RIGHT OF WAY MONUMENTATION	LS	1.00	\$2,000.00	\$2,000.00
57	STORMWATER PLANTINGS AND PLANT ESTABLISHMENT	SQFT	571.00	\$15.00	\$8,565.00

TOTAL ANTICIPATED ITEMS \$64,791.45

SCHEDULE SUMMARY

BID ITEMS		\$493,265.48
CONSTRUCTION CONTINGENCY	5.0% of Bid Items*	\$24,663.27
SUBTOTAL		\$517,928.75

ANTICIPATED ITEMS \$64,791.45

TOTAL CONSTRUCTION **\$582,720.20**

PROJECT MANAGEMENT	7.5% of Bid Items	\$36,994.91
DESIGN ENGINEERING	25.0% of Bid Items	\$123,316.37
CONSTRUCTION MANAGEMENT	20.0% of Bid Items	\$98,653.10
SUBTOTAL		\$258,964.38

PROJECT ENGINEERING & MANAGEMENT OVERHEAD **\$189,950.37** 73.35% of PM, Eng, and CM

TOTAL PROJECT ENGINEERING & MANAGEMENT **\$448,914.75**

RIGHT-OF-WAY		\$45,000.00
RIGHT-OF-WAY CONTINGENCY		\$10,425.78
TOTAL PROJECT RIGHT-OF-WAY		\$55,425.78

	Years	Inflation	
INFLATION RATE ON CONTRACT	3	4.5% of Construction	\$73,114.00
INFLATION RATE ON PERSONNEL	3	2.0% of Eng & Mgmt	\$15,851.00
ESTIMATE CONTINGENCY FOR UNDEFINED OR CHANGE IN SCOPE		30% of Const, Eng & Mgmt, and Inflation	\$259,757.44

TOTAL PROJECT CONTINGENCY **\$348,722.44**

TOTAL PROJECT ESTIMATE **\$1,435,783.17**