

## EXHIBIT F

CITY OF PORTLAND, OREGON  
BUREAU OF TRANSPORTATION  
PRELIMINARY ENGINEER'S ESTIMATE  
SE Steele Street

PRELIMINARY ENGINEER'S ESTIMATE FOR THE IMPROVEMENT OF SE Steele St. FROM SE 85th Ave. to SE 86th Ct.

##### BID ITEMS #####

NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	LS	1.00	\$12,955.02	\$12,955.02
2	TEMPORARY PROTECTION & DIRECTION OF TRAFFIC	LS	1.00	\$1,619.38	\$1,619.38
3	TEMPORARY SIGNS	SQFT	54.00	\$20.00	\$1,080.00
23	EROSION CONTROL	LS	1.00	\$1,619.38	\$1,619.38
26	CONSTRUCTION ENTRANCES	EACH	2.00	\$1,890.00	\$3,780.00
29	INLET PROTECTION	EACH	1.00	\$88.00	\$88.00
30	POLLUTION CONTROL PLAN	LS	1.00	\$161.94	\$161.94
43	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LS	1.00	\$3,238.76	\$3,238.76
45	CLEARING AND GRUBBING	LS	1.00	\$4,129.41	\$4,129.41
49	GENERAL EXCAVATION	CUYD	619.00	\$35.00	\$21,665.00
53	12 INCH SUBGRADE STABILIZATION	SQYD	163.00	\$21.90	\$3,569.70
58	SUBGRADE GEOTEXTILE	SQYD	1,625.00	\$1.25	\$2,037.61
71	STORMWATER CURB EXTENSIONS	SQFT	988.00	\$23.80	\$23,514.40
143	AGGREGATE BASE	TON	725.00	\$36.90	\$26,752.50
149	LEVEL 3, 1/2 INCH DENSE, MWMAC MIXTURE	TON	379.00	\$89.50	\$33,920.50
163	CONCRETE CURBS, STANDARD CURB	FOOT	783.00	\$25.50	\$19,966.50
167	CONCRETE DRIVEWAYS	SQFT	576.00	\$8.40	\$4,838.40
169	CONCRETE WALKS	SQFT	2,202.00	\$6.00	\$13,212.00
170	MONOLITHIC CURB AND SIDEWALKS	SQFT	530.00	\$9.80	\$5,194.00
250	LAWN SEEDING	SQYD	122.00	\$4.00	\$488.00
251	TOPSOIL	CUYD	42.00	\$43.60	\$1,831.20

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

TOTAL BID ITEMS

\$185,661.70

##### ANTICIPATED ITEMS #####

NO.	ITEMS OF WORK AND MATERIALS	UNIT	QUANTITY	UNIT PRICE	AMOUNT
2	INSTALL WATER FACILITIES - FIRE HYDRANT	EACH	1.00	\$12,890.00	\$12,890.00
7	STORMWATER PLANTINGS AND PLANT ESTABLISHMENT	SQFT	988.00	\$15.00	\$14,820.00
10	DECIDUOUS TREES, 2-1/2 INCH CALIPER	EACH	11.00	\$1,350.00	\$14,850.00
14	BOLI FEE PAYMENT	LS	0.50	\$250.00	\$125.00
15	CONTRACT CONTINGENCY (REQUIREMENT TO ACCEPT BIDS UP TO 10% OVER ESTIMATE)	LS	1.00	\$46,415.43	\$46,415.43

TOTAL ANTICIPATED ITEMS

\$89,100.43

**SCHEDULE SUMMARY**

BID ITEMS		\$185,661.70
CONSTRUCTION CONTINGENCY	5.00% of Bid Items*	\$9,283.00
SUBTOTAL		\$194,944.70
ANTICIPATED ITEMS		\$89,100.43
<b>TOTAL CONSTRUCTION</b>		<b>\$284,045.13</b>
PROJECT MANAGEMENT	5.00% of Bid Items	\$9,283.09
DESIGN ENGINEERING	5.00% of Bid Items	\$9,283.00
CONSTRUCTION MANAGEMENT	20.00% of Bid Items	\$37,132.00
SUBTOTAL		\$55,698.09
PROJECT ENGINEERING & MANAGEMENT OVERHEAD	73.35% of PM, Eng, and CM	\$40,854.55

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NO.	ITEMS OF WORK AND MATERIALS	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL AMOUNT
	<b>TOTAL PROJECT ENGINEERING &amp; MANAGEMENT</b>				<b>\$96,552.63</b>
	RIGHT-OF-WAY LAND, IMPROVEMENTS, AND DAMAGES				\$26,455.00
	RIGHT-OF-WAY APPRAISAL, TITLE INSURANCE, AND NEGOTIATION				\$7,400.00
	RIGHT-OF-WAY CONTINGENCY		30.00%	of Land, Improve, and Damages	<u>\$7,936.50</u>
	<b>TOTAL PROJECT RIGHT-OF-WAY</b>				<b>\$41,791.50</b>
	INFLATION RATE ON CONTRACT	Years	2	Inflation 4.50% of Construction	\$26,139.00
	INFLATION RATE ON PERSONNEL		2	2.00% of Eng & Mgmt	\$3,901.00
	ESTIMATE CONTINGENCY FOR UNDEFINED OR CHANGE IN SCOPE			10.00% of Const, Eng & Mgmt, and Inflation	<u>\$41,063.78</u>
	<b>TOTAL PROJECT CONTINGENCY</b>				<b>\$71,103.78</b>
	<b>TOTAL PROJECT ESTIMATE</b>				<b>\$493,493.03</b>