

EXHIBIT E

**CITY OF PORTLAND, OREGON
BUREAU OF TRANSPORTATION
PRELIMINARY ENGINEER'S ESTIMATE
Couch Ct - 3rd to 4th LID, NE**

PRELIMINARY ENGINEER'S ESTIMATE FOR THE IMPROVEMENT OF NE COUCH CT FROM NE 3RD AVE. TO 4TH AVE.

BID ITEMS

NO.	ITEMS OF WORK AND MATERIALS	TOTAL QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	1.00	LS	\$7,837.74	\$7,837.74
2	TEMPORARY PROTECTION & DIRECTION OF TRAFFIC	1.00	LS	\$5,878.31	\$5,878.31
3	EROSION CONTROL	1.00	LS	\$1,469.58	\$1,469.58
4	POLLUTION CONTROL PLAN	1.00	LS	\$489.86	\$489.86
5	REMOVAL OF STRUCTURES & OBSTRUCTIONS	1.00	LS	\$2,939.15	\$2,939.15
6	CLEARING AND GRUBBING	1.00	LS	\$1,009.11	\$1,009.11
7	GENERAL EXCAVATION	228.00	CUYD	\$24.58	\$5,604.24
8	12 INCH SUBGRADE STABILIZATION	23.60	SQYD	\$15.22	\$359.19
9	SUBGRADE GEOTEXTILE	236.00	SQYD	\$1.76	\$415.36
10	STORMWATER PLANTERS	450.00	SQFT	\$20.00	\$9,000.00
11	10 INCH PIPE, HDPE ASTM F714 SDR 26 BEDDING TYPE:D	40.00	FOOT	\$79.36	\$3,174.40
12	CONCRETE INLETS, TYPE CG-2	1.00	EACH	\$1,521.78	\$1,521.78
13	CONCRETE INLETS, TYPE G-2	1.00	EACH	\$1,521.78	\$1,521.78
14	CONCRETE INLETS, TYPE METAL	1.00	EACH	\$550.00	\$550.00
15	CONCRETE INLETS, TYPE CHANNEL & GRATE	1.00	EACH	\$870.00	\$870.00
16	CONCRETE INLETS, TYPE BEEHIVE	1.00	EACH	\$1,100.00	\$1,100.00
17	CONNECTION TO EXISTING STRUCTURES	2.00	EACH	\$3,160.62	\$6,321.24
18	MINOR ADJUSTMENT OF MANHOLES	2.00	EACH	\$790.16	\$1,580.32
19	AGGREGATE BASE	149.00	TON	\$29.27	\$4,361.23
20	LEVEL 3, 1/2 INCH DENSE, MHMAC MIXTURE	124.00	TON	\$85.81	\$10,640.44
21	PLANTER WALL	95.00	FOOT	\$26.92	\$2,557.40
22	CONCRETE CURBS, STANDARD CURB	198.00	FOOT	\$18.73	\$3,708.54
23	CONCRETE WALKS	3,419.00	SQFT	\$5.97	\$20,411.43
24	MONOLITHIC CURB AND SIDEWALKS	1,213.00	SQFT	\$9.66	\$11,717.58
25	LIGHTING POLES, FIXED BASE	1.00	LS*	\$6,438.30	\$6,438.30
26	LIGHTING POLE ARMS	1.00	LS*	\$316.06	\$316.06
27	LUMINAIRES, LAMPS AND BALLASTS	1.00	LS*	\$995.01	\$995.01
28	LAWN SEEDING	33.00	SQYD	\$5.27	\$173.91
29	TOPSOIL	19.00	CUYD	\$32.66	\$620.54
30	DECIDUOUS TREES, 3 INCH CALIPER	5.00	EACH	\$802.60	\$4,013.00

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

TOTAL BID ITEMS

\$117,595.50

ANTICIPATED ITEMS

NO.	ITEMS OF WORK AND MATERIALS	TOTAL QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	STORMWATER PLANTINGS AND PLANT ESTABLISHMENT	450.00	SQFT	\$15.00	\$6,750.00
2	BOLI FEE PAYMENT	1.00	LS	\$250.00	\$250.00
3	CONTRACT CONTINGENCY (REQUIREMENT TO ACCEPT BIDS UP TO 10% OVER ESTIMATE)	1.00	LS	\$11,759.55	\$11,759.55

TOTAL ANTICIPATED ITEMS

\$18,759.55

SCHEDULE SUMMARY

BID ITEMS		\$117,595.50
CONSTRUCTION CONTINGENCY	5% of Bid Items*	\$5,880.00
SUBTOTAL		\$123,475.50
ANTICIPATED ITEMS		\$18,759.55

EXHIBIT E

NO.	ITEMS OF WORK AND MATERIALS	TOTAL QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
TOTAL CONSTRUCTION					\$142,235.05
	PROJECT MANAGEMENT			5% of Bid Items	\$5,879.78
	DESIGN ENGINEERING			25% of Bid Items	\$29,399.00
	CONSTRUCTION MANAGEMENT			15% of Bid Items	\$17,639.00
	SUBTOTAL				<u>\$52,917.78</u>
	PROJECT ENGINEERING & MANAGEMENT OVERHEAD			72.13% of PM, Eng, and CM	<u>\$38,169.59</u>
TOTAL PROJECT ENGINEERING & MANAGEMENT					\$91,087.37
	RIGHT-OF-WAY LAND, IMPROVEMENTS, AND DAMAGES				\$0.00
	RIGHT-OF-WAY APPRAISAL, TITLE INSURANCE, AND NEGOTIATION				\$0.00
	RIGHT-OF-WAY CONTINGENCY			of Land, Improve, and 30% Damages	<u>\$0.00</u>
TOTAL PROJECT RIGHT-OF-WAY					\$0.00
	INFLATION RATE ON CONTRACT	<i>Years</i>		<i>Inflation</i>	
	INFLATION RATE ON PERSONNEL	5		4.5% of Construction	\$35,016.00
	ESTIMATE CONTINGENCY FOR UNDEFINED OR CHANGE IN SCOPE	5		2.0% of Eng & Mgmt	\$9,480.00
				20% of Const, Eng & Mgmt, and Inflation	<u>\$55,563.68</u>
TOTAL PROJECT CONTINGENCY					\$100,059.68
TOTAL PROJECT ESTIMATE					\$333,382.10