

EXHIBIT E

CITY OF PORTLAND, OREGON BUREAU OF TRANSPORTATION PRELIMINARY ENGINEER'S ESTIMATE					
*	NW Front Avenue Road Diet (NW 9th to north of NW 19th Avenue)				
This estimate includes the following:			This estimate excludes the following:		
Partially reconstructed traffic signals at 9th, 15th, and 17th due to road diet (one new mast arm pole + new signal heads on Front + new loops on Front + incidentals per intersection) 4.5" grind and inlay (24,465 sy per GeoDesign) Traffic control Replacement of 8 existing ped ramps to current ADA standards 18" deep pavement repair (2,290 sy per GeoDesign) Permanent striping			New curbs/sidewalks Public Works frontage improvements for ^Project Street lighting along the corridor Signing upgrades along the corridor Reconstruction of any existing driveways Replacement of 11 existing ADA-compliant ped ramps Adjustments to existing manholes, inlets, etc. Right-of-way or easements		
PRELIMINARY ENGINEER'S ESTIMATE FOR THE IMPROVEMENT OF NW Front Avenue from NW 9th Avenue to NW 20th Avenue					
VALUES IN BLUE ARE PERCENT OF CONTRACT.					
##### BID ITEMS #####					
NO.	ITEMS OF WORK AND MATERIALS	TOTAL QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	1.00	LS	\$96,388.22	\$96,388.22
2	TEMPORARY PROTECTION & DIRECTION OF TRAFFIC	1.00	LS	\$48,194.11	\$48,194.11
3	TEMPORARY SIGNS	200.00	SQFT	\$23.41	\$4,682.00
4	TEMPORARY BARRICADES, TYPE II	10.00	EACH	\$62.04	\$620.40
5	TEMPORARY BARRICADES, TYPE III	20.00	EACH	\$199.00	\$3,980.00
10	TEMPORARY PLASTIC DRUMS	200.00	EACH	\$70.24	\$14,048.00
12	TEMPORARY FLEXIBLE PAVEMENT MARKERS	4,800.00	EACH	\$1.99	\$9,552.00
13	TEMPORARY STRIPING	160,000.00	FOOT	\$0.23	\$36,800.00
15	STRIPING & STRIPE REMOVAL MOBILIZATION	8.00	EACH	\$403.86	\$3,230.88
18	PORTABLE CHANGEABLE MESSAGE SIGNS	2.00	EACH	\$14,398.38	\$28,796.76
19	FLAGGERS	480.00	HOURL	\$44.48	\$21,350.40
22	EROSION CONTROL	1.00	LS	\$18,072.79	\$18,072.79
28	INLET PROTECTION	10.00	EACH	\$105.35	\$1,053.50
29	POLLUTION CONTROL PLAN	1.00	LS	\$6,024.26	\$6,024.26
42	REMOVAL OF STRUCTURES & OBSTRUCTIONS	1.00	LS	\$36,145.58	\$36,145.58
136	COLD PLANE PAVEMENT REMOVAL, 4.5 INCH DEEP	75,417.50	SQYD	\$3.00	\$226,252.50
140	LEVEL 3, 1/2 INCH DENSE, MHMAC MIXTURE	6,117.00	TON	\$85.81	\$524,899.77
144	18 INCH ASPHALT CONCRETE PAVEMENT REPAIR	0.00	SQYD	\$66.75	\$0.00
165	CONCRETE SIDEWALK RAMPS	8.00	EACH	\$2,000.00	\$16,000.00
167	DETECTABLE WARNING SURFACE	96.00	SQFT	\$46.82	\$4,494.72
191	THERMOPLASTIC, NON-PROFILE, 120 MILS, EXTRUDED	64,000.00	FOOT	\$1.11	\$71,040.00
192	PAVEMENT LEGEND, TYPE B: ARROWS	16.00	EACH	\$243.48	\$3,895.68
194	PAVEMENT LEGEND, TYPE B: BICYCLE LANE SYMBOLS	20.00	EACH	\$250.51	\$5,010.20
196	PAVEMENT BAR, TYPE B	600.00	SQFT	\$6.91	\$4,146.00
225	TRAFFIC SIGNAL MODIFICATION	1.00	LS*	\$225,000.00	\$225,000.00
* Unit Price Shown is on Pound, Each, or Foot Basis as Applicable					
TOTAL BID ITEMS					\$1,409,677.77
##### ANTICIPATED ITEMS #####					
NO.	ITEMS OF WORK AND MATERIALS	TOTAL QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
	MISC. UTILITY POLE INSPECTION	1.00	LS	\$5,000.00	\$5,000.00
14	BOLI FEE PAYMENT	1.00	LS	\$1,409.68	\$1,409.68
15	CONTRACT CONTINGENCY (REQUIREMENT TO ACCEPT BIDS UP TO 10% OVER ESTIMATE)	1.00	LS	\$140,967.78	\$140,967.78
TOTAL ANTICIPATED ITEMS					\$147,377.45

EXHIBIT E

NO.	ITEMS OF WORK AND MATERIALS	TOTAL QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
SCHEDULE SUMMARY					
BID ITEMS					\$1,409,677.77
CONSTRUCTION CONTINGENCY			5% of Bid Items*		\$70,484.00
SUBTOTAL					\$1,480,161.77
ANTICIPATED ITEMS					\$147,377.45
TOTAL CONSTRUCTION					\$1,627,539.22
PROJECT MANAGEMENT					\$28,708.63
DESIGN ENGINEERING					\$143,542.96
CONSTRUCTION MANAGEMENT					\$86,126.02
SUBTOTAL					\$258,377.61
PROJECT ENGINEERING & MANAGEMENT OVERHEAD			73.78% of PM, Eng, and CM		\$190,631.00
TOTAL PROJECT ENGINEERING & MANAGEMENT					\$449,008.61
TOTAL PROJECT RIGHT-OF-WAY					\$0.00
INFLATION RATE ON CONTRACT					\$163,196.36
INFLATION RATE ON PERSONNEL					\$46,733.26
ESTIMATE CONTINGENCY FOR UNDEFINED OR CHANGE IN SCOPE					\$264,369.48
TOTAL PROJECT CONTINGENCY					\$474,299.10
TOTAL PROJECT ESTIMATE					\$2,550,846.93