EXHIBIT E

CITY OF PORTLAND, OREGON BUREAU OF TRANSPORTATION PRELIMINARY ENGINEER'S ESTIMATE NE Alberta Street & 52nd Avenue LID

PRELIMINARY ENGINEER'S ESTIMATE FOR THE IMPROVEMENT OF 52nd Av. FROM Alberta St. 305' south AND Alberta St. FROM 52nd Av. 347' ea VALUES IN BLUE ARE PERCENT OF CONTRACT.

BID ITEMS

TEMPORARY PROTECTION & DIRECTION OF TRAFFIC	###### BID ITEMS ####	##				
MOBILIZATION IEMPORARY PROTECTION & DIRECTION OF TRAFFIC I 100 IS \$ 633720 STEMPORARY SIGNS I 100 IS \$ 633720 STEMPORARY SIGNS I 100 IS \$ 63300 SEGRED SIGNS I 100 IS \$ 63000 SEGRED SIGNS I 100 IS \$ 63000 SEGRED SIGNS I 100 IS \$ 63000 SEGRED SIGNS I 100 IS \$ 6300 SEGRED SIGNS I 100 IS \$ 6300 SEGRED SIGNS I 100 IS \$ 2441 SEGRED SIGNS I 100 IS \$ 2486 SEGRED SIGNS I 100 IS \$ 2488 SEGRED SIGNS I 100 IS \$ 4977 SEGRED SIGNS I 100 I	NO. ITEMS OF WORK AND MATERIALS			UNIT	UNIT PRICE	
TEMPORARY SIGNS	1 MOBILIZATION 2 TEMPORARY PROTECTION & DIRECTION OF TRAFFIC			LS	\$ 13,272.	.00 \$13,272.0
TEMPORARY BARRICADES, TYPE	3 TEMPORARY SIGNS					
FLAGGERS ### 40 00 HOUR \$ 44.48 \$1,770 ### 100 LS \$ 2,448 5 \$1,740 ### 100 LS \$ 8,249 5 \$2,600 ### 100 LS \$ 1,000 ### 100 LS \$ 1,	4 TEMPORARY BARRICADES, TYPE II		5.00	EACH	\$ 62.	.04 \$310.2
EROSION CONTROL. NILET PROTECTION 200 EACH \$ 0.5.5 \$ 2,486.5 \$2,485.7 \$2,	9 FLAGGERS	-111				
2.00 EACH \$ 105.35 \$210.70	2 EROSION CONTROL	-117				
REMOVAL OF STRUCTURES & OBSTRUCTIONS			2.00	EACH	\$ 105.	35 \$210.7
CLEARING AND GRUBBING GENERAL EXCAVATION 12 INCH SUBGRADE STABILIZATION 13 INCH SUBGRADE STABILIZATION 15 INCH SUBGRADE STABILIZATION 16 SEZYZZ STORMWATER SWALES 16 INCH SUBGRADE SUBGRADE SUBGRADE SUBGRADE GEOFIELD STORMWATER SWALES 16 INCH SUBGRADE SUBGRAD		-111				
	CLEARING AND GRUBBING	-11				
12 120 120 150	9 GENERAL EXCAVATION				-	
STORMWATER SWALES 517.00 SOFT \$ 10.00 \$5,770.1		- 11			\$ 15.:	22 \$1,963.3
10 INCH PIPE, HOPE ASTM F714 SDR 26 BEDDING TYPE:D (Inlet Only Projects) 100.00 FOOT \$ 79.36 \$7.936	STORMWATER SWALES	-111				
CONCRETE MANHOLES, SUMP CONCRETE MANHOLES, SEDIMENTATION 2.00 EACH \$ 7,220.50 \$14,441.1 CONCRETE INLETS, TYPE CG-2 2.00 EACH \$ 1,521.78 \$3,043.5 CONCRETE INLETS, TYPE CG-2 2.00 EACH \$ 1,521.78 \$3,043.5 CONCRETE INLETS, TYPE CHANNEL & GRATE 4.00 EACH \$ 280.94 \$561.8 ADJUSTING BOXES 4.00 EACH \$ 280.94 \$561.8 ACRIC REPORT OF MANHOLES 4.00 EACH \$ 790.16 \$790.10 ACGREGATE BASE 517.00 FOOT \$ 18.73 \$9,683.4 CONCRETE CURBS, STANDARD CURB 517.00 FOOT \$ 18.73 \$9,683.4 CONCRETE CURBS, STANDARD CURB 517.00 FOOT \$ 18.73 \$9,683.4 CONCRETE DRIVEWAYS 4.10 EACH \$ 10.00 EACH \$ 7.02 CONCRETE CURBS, STANDARD CURB 4.00 EACH \$ 9.00 EACH \$ 9.66 \$20,131.4 ACCOUNTED CURB AND SIDEWALKS 4.00 EACH \$ 9.66 \$20,131.4 TYPE "01" SIGNS IN PLACE 4.00 EACH \$ 9.00 EACH \$ 9.00 EACH \$ \$10.00 EACH \$ \$	3 10 INCH PIPE, HDPE ASTM F714 SDR 26 BEDDING TYPE:D (Inlet Only Projects)	- 11				
CONCRETE INLETS, TYPE CG-2 CONCRETE INLETS, TYPE CHANNEL & GRATE ADJUSTING BOXES 4.00 EACH \$ 1,521.78 \$3,043.5 CONCRETE GRATE AND EACH \$ 280.94 \$561.8 EMINOR ADJUSTING BOXES 11.00 EACH \$ 280.94 \$561.8 EMINOR ADJUSTING BOXES 11.00 EACH \$ 790.16 \$790.11 AGGREGATE BASE 11.00 EACH \$ 790.16 \$790.16 AGGREGATE BASE 11.00 EACH \$ 790.16 AGGREGATE BASE 11.00 EACH \$ 790.17 AGGREGATE BASE 11.00 EACH \$ 790.16 AGGREGATE BASE 11.00 EACH \$ 790.16 AGGREGATE BASE 11.00 EACH \$ 790.16 AGGREGATE BASE 11.	CONCRETE MANHOLES, SUMP	1	2.00			
CONCRETE INLETS, TYPE CHANNEL & GRATE 4.00 EACH \$ 870.00 \$3,480.00 5.00 EACH \$ 870.00 \$3,480.00 5.00 EACH \$ 870.00 \$3,480.00 5.00 EACH \$ 790.10 \$50.00 5.00 EACH \$ 790.10 \$50.00 5.00 EACH \$ 790.10 6.00 E		119				
ADJUSTING BOXES 2.00 EACH \$ 280.94 \$ 561.8		-11				
MINOR ADJUSTMENT OF MANHOLES AGGREGATE BASE AGGREGATE AGG	ADJUSTING BOXES					
CONCRETE CURBS, STANDARD CURB	MINOR ADJUSTMENT OF MANHOLES	-14	1.00	EACH	\$ 790.	16 \$790.1
CONCRETE CURS S, STANDARD CURB CONCRETE DRIVEWAYS CONCRETE WALKS (18.00 SQFT \$ 18.73 \$9,883.4 CONCRETE WALKS (19.00 SQFT \$ 5.97 \$18,079 S2,084.00 SQFT \$ 5.97 \$18,079 S2,084.00 SQFT \$ 9,66 \$20,131.4 FIFERMOPLASTIC, NON-PROFILE, 120 MILS, EXTRUDED (190.00 FOOT \$ 1.11 \$2100 FIFE "GT "SIGNS IN PLACE (16.00 SQFT \$ 30.44 \$182.6 FIFERMOPLASTIC, NON-PROFILE, 120 MILS, EXTRUDED (190.00 FOOT \$ 1.11 \$2100 FIFE "GT "SIGNS IN PLACE (16.00 SQFT \$ 30.44 \$182.6 FIFE "GT "SIGNS IN PLACE (16.00 SQFT \$ 30.44 \$182.6 FIFE "GT "SIGNS IN PLACE (16.00 SQFT \$ 30.45 \$18.73 FIFE "GT "SIGNS IN PLACE (16.00 SQFT \$ 30.45 \$18.73 FIFE "GT "SIGNS IN PLACE (16.00 SQFT \$ 30.45 \$18.73 FIFE "GT "SIGNS IN PLACE (16.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (17.00 SQFT \$ 30.45 \$18.75 FIFE "GT "SIGNS IN PLACE (18.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 \$18.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 \$1.76 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 30.45 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.70 FIFE "GT "SIGNS IN PLACE (19.00 SQFT \$ 1.		-111				27 \$17,796.1
CONCRETE DRIVEWAYS CONCRETE WALKS 1 3,099.00 SQFT \$ 7,02 \$1,170.3 CONCRETE WALKS 1 3,099.00 SQFT \$ 5,97 \$18,501.0 CONCRETE WALKS 1 2,084.00 SQFT \$ 9,66 \$20,131.4 TYPE 'GI' SIGNS IN PLACE 1 190.00 FOOT \$ 1,11 \$210.9 TYPE 'GI' SIGNS IN PLACE 1 16.00 SQFT \$ 3,044 \$182.6 TYPE 'GI' SIGNS IN PLACE 1 16.00 SQFT \$ 3,044 \$182.6 TYPE 'GI' SIGNS IN PLACE 1 16.00 SQFT \$ 3,044 \$182.6 TYPE 'GI' SIGNS IN PLACE 1 16.00 SQFT \$ 3,044 \$182.6 TYPE 'GI' SIGNS IN PLACE 1 16.00 SQFT \$ 3,044 \$182.6 TOTAL TOTAL TOTAL TOTAL TOTAL AND ITEMS ###### ANTICIPATED ITEMS ####### TOTAL QUANTITY UNIT PRICE AMOUNT TOTAL AMOUNT TOTAL TOTAL AMOUNT TOTAL TOTAL AMOUNT TOTAL TOTAL AMOUNT TOTAL TOTAL TOTAL AMOUNT TOTAL TOTAL TOTAL AMOUNT TOTAL TOTAL TOTAL TOTAL AMOUNT TOTAL TOTAL TOTAL TOTAL AMOUNT TOTAL TOTAL TOTAL AMOUNT TOTAL TOTAL TOTAL AMOUNT TOTAL TOTAL TOTAL TOTAL AMOUNT TOTAL	CONCRETE CURBS, STANDARD CURB	-				
3,099.00 SQFT \$ 5.97 \$16,501.0	CONCRETE DRIVEWAYS					
	CONCRETE WALKS		3,099.00	SQFT		
FYPE "G1" SIGNS IN PLACE	MONOLITHIC CURB AND SIDEWALKS THERMODIASTIC NON PROFILE 120 MILE STRUCKS			SQFT	\$ 9.6	\$20,131.4
TOTAL QUANTITY UNIT PRICE AMOUNT	TYPE "G1" SIGNS IN PLACE	-111				
AWN SEEDING 259.00 SQYD 5.27 \$1,364.9	TYPE "Y1 "SIGNS IN PLACE	-113				
	LAWN SEEDING		259.00			
TOTAL UNIT PRICE TOTAL UNIT PRICE AMOUNT		1	63.00			
	TEMS OF WORK AND MATERIALS STORMWATER PLANTINGS AND PLANT ESTABLISHMENT DECIDIOUS TREES, 2-1/2 INCH CALIPER SOLI FEE PAYMENT CONTRACT CONTINGENCY (REQUIREMENT TO ACCEPT BIDS UP TO 10% OVER L ANTICIPATED ITEMS		517.00 20.00 1.00	SQFT EACH LS	\$ 15.0 \$ 1,100.0 \$ 250.0	AMOUNT 0 \$7,755.00 0 \$22,000.00 0 \$250.00 8 \$19,581.18
	ISTRUCTION CONTINGENCY TOTAL		5% of Bid Hems"			\$9,791.00
TRUCTION CONTINGENCY 5% of Bid Hems* \$9,791.00 \$205,602.83	AL CONSTRUCTION					
180CTION CONTINGENCY 5% of Bid Hums' \$9,791.00 \$205,602.80						₹25,169.0C
REGITION CONTINGENCY	JECT MANAGEMENT					
RECEITON CONTINGENCY 5% of Bid Homes \$9,791.00 \$205,602.80 PATED ITEMS \$49,586.10 CONSTRUCTION \$255,189.00 CT MANAGEMENT 5% of Bid Homes \$9,790.55 CONSTRUCTION \$9,790.55 CT MANAGEMENT 5% of Bid Homes \$9,790.55 CT MANAGEMEN						
RECITION CONTINGENCY 5% of Bid Name \$9,791.00	OTAL OTAL			15% o	of Bid Items	
RECEION CONTINGENCY 5% of Bid Items \$9,791.0	CT ENGINEERING & MANAGEMENT OVERHEAD			73.78% •	of PM, Eng. and CM	
RUCTION CONTINGENCY 596 of Bid home \$0,791.00 \$205,602.82	PROJECT ENGINEERING & MANAGEMENT			existed real	- 14 M	
250,502 82 250	C-OF-WAY CONTINGENCY			0	f Land, Improve, and	
RECEITON CONTINGENCY 596 of Bid home: \$9,791.00 \$205,602.62 \$2	L PROJECT RIGHT-OF-WAY			30%	ramatyti a	\$0.00
RECEITON CONTINGENCY 596 of Bid home: \$0,791.00 \$205,602.60 \$2			Years	Inflation		\$0.00
RECEION CONTINGENCY 596 of Bultems* \$9,791.00 \$205,600 26 \$205	ITION RATE ON CONTRACT ITION RATE ON PERSONNEL MATE CONTINGENCY FOR UNDEFINED OR CHANGE IN SCOPE		2 2	4.5% of 2.0% of	Eng & Mgmt	\$23,484.00 \$6,186.00 \$85,267.20
RINGETION CONTINGENCY 596 of Bid hems \$0,791.00 \$205,602.65 \$2	AL PROJECT CONTINGENCY			In	flation	\$114,937.20
RECEION CONTINGENCY 5% of Boltems* \$29,791.0 \$205,602.6 \$205	L PROJECT ESTIMATE					\$523,253.47