Engineer's Estimate Checklist for Optimal Confidence	•,		
MW Iming St. 61-403 sewer Replacement		وسيس	0.1
Loyal of Effort to		leven	e Chan
	•		
Items included in this estimate: All bid items Items excluded in this estimate:			
		·	
Project Scope	Yes	<u>No</u> .	Not Applicable
Is the project scope clearly understood and well defined?	0		
Are pay items identified according to project specifications?	Ø		
Are materials and quantities accurate for execution of the job?	8		
Is the extent of street resurfacing understood and accounted for?	0		
Is utility coordination and/or relocation, and potential project delay, understood	8		
and accounted for in this estimate?			
Are environmental and soil conditions understood, and are the extent and methods	EV	. 👝	
of any required disposal accounted for in this estimate?			
Has Traffic Control been estimated according to project-specific conditions?	1		
Are project-specific mobilization costs understood and accounted for in this estimate?	W .	0	
Have known extra work items, or force account items, been accounted for?			
Comments:			
Project Schedule	Yes	Na	Not Anniharit
Have availability and delivery time of important materials and equipment been checked?	769	<u>No</u> □	Not Applicable
itus the contract time been determined with/by the Construction Manager?	™	. 0	. We
Have contract time cost impacts been accounted for in this estimate?	.82	В.	
Have construction season cost impacts been accounted for in this estimate?		□ , ·	
Are schedule constraints and/or schedule acceleration requirements understood	52/	ם	
well defined, and accounted for in this estimate?		<u> </u>	
Have unusual work time requirements (ie 24 hr work or limited street closure times)		0	0
been accounted for in this estimate?			
Comments:			
Quality Assurance			
Are quantity take-off calculations and back-up information documented?	<u>Yes</u>	<u>No</u>	Not Applicable
Are unit prices verified with vendors and sources documented?		□ .	□ · ,
Are historical unit costs adjusted to midmoint of construction of	w_	. 🖸	
Are historical unit costs adjusted (to midpoint of construction) from projects of similar scale, similar site and similar construction conditions?	· 🗷		
Have non-standard items been estimated "bottom-up"?			, e
Is a contingency in this estimate? If so, describe:			· •
Are "plug" estimates used? If so, describe:	Ο.	∞	
Was this estimate checked? (quantities and costs)		52	
Comments:	<u> </u>	0	
Bidding Environment			
s this project directed to the sheltered market and is this accounted for in this estimate?	<u>Yes</u>	<u>No</u>	Not Applicable
Has the time/season of advertising been feetened in the standard of in this estimate?		. 52	
Tas the time/season of advertising been factored into the estimate?	8/.	Ó	0
fre circumstances known that would limit the bidding pool and is this accounted for? Comments:	Ø	□ ,	0
Comments: This project requires contractor who has bore			
une jack verpeneul			
mplementation Procedures for Capital Projects	17.	X .	
Does the project construction estimate agree with the current budget?	<u>Yes</u>	<u>No</u>	Not Applicable
f "No", has a Trend Alert been prepared?	0	∠ □	
Comments:	Ο.	. 🗆 🕠	
	•		· .
Amendment No 1, August 2006		Page 3	3 of 7
		raye	OH /

CITY OF PORTLAND, OREGON BUREAU OF ENVIRONMENTAL SERVICES

TO THE (PURCHASING AGENT OR COUNCIL) BUYER PICK ONE

The undersigned, having full knowledge of the quality of the material and labor to be performed, hereby proposes to perform all labor and furnish all materials necessary for the **NW Irving & I-405 Sewer Replacement Project** for the unit prices set opposite the different items of the material to be furnished and the work to be done as herein below stated:

*(BID NO) ENGINEER'S ESTIMATE						
NO.	ITEMS OF WORK AND MATERIALS	SPEC REFERENCE	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	MOBILIZATION	00210	1	LS	\$75,000.00	\$75,000.00
2	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	00225	1 .	LS	\$20,000.00	\$20,000.00
3	EROSION CONTROL	00280	1	LS.	\$6,000.00	\$6,000.00
4	CONTAMINATED MEDIA DISOPSAL	00291	295	TN	\$89.00	\$26,255.00
5	REMOVAL OF RAILROAD TRACK AND TIES	00310	50	FΤ	\$24.00	\$1,200.00
6	SALVAGING AND STOCKPILING OF COBBLESTONES	00310	132	SY	\$70.00	\$9,240.00
7	TRENCH EXCAVATION, COMMON	00405	1028	CY	\$36.00	\$37,008.00
8	EXCAVATION, POTHOLE	00405	15	EA	\$1,476.00	\$22,140.00
9	TRENCH BACKFILL, CLASS B	00405	655	СҮ	\$32.00	\$20,960.00
10	BORING AND JACKING	00406	250	FT	\$1,300.00	\$325,000.00
11	SUBSURFACE MONITORING POINT INSTALLATION	00406	1	EA	\$5,500.00	\$5,500.00
12	24" PIPE RCP ASTM 76 CLASS IV BEDDING TYPE: B	00445	330	FT	\$258.00	\$85,140.00
13	30" PIPE RCP ASTM 76 CLASS IV BEDDING TYPE: B	00445	261	FT	\$308.00	\$80,388.00
14	10" PIPE HDPE ASTM F714 SDR 26 BEDDING TYPE: D	00445	264	FT	\$143.00	\$37,752.00
15	12" PIPE HDPE ASTM F714 SDR 26 BEDDING TYPE: D	00445	15	FT	\$156.00	\$2,340.00
16	6" PIPE PVC ASTM D3034 SDR 35 BEDDING TYPE: D	00445	122	FT	\$136.00	\$16,592.00
17	B" PIPE PVC ASTM D3034 SDR 35 BEDDING TYPE: D	00445	23	FT	\$85.00	\$1,955.00
18	FIELD FABRICATED CONNECTIONS	00445	7	EA	\$796.00	\$5,572.00
19	TELEVISION INSPECTION	00445	1677	FT	\$25.00	\$41,925.00
20 8	CONCRETE MANHOLE, 48 INCH, 0-	00470	4	EA	\$5,632.00	\$22,528.00
21 [CONCRETE MANHOLE, 48 INCH, DEEPER THAN 8 FT	00470	15	FT	\$220.00	\$3,300.00

NO.			OF WORK AND	SPEC REFERENCE	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
22	COI	CRETE DEPTI	MANHOLE, 60 INCH, 0-	00470	3	EA	\$8,200.00	\$24,600.00
23	COI I	ICRETI PER TI	MANHOLE, 60 INCH, AN 8 FT	00470	10	FT	\$281.00	\$2,810.00
24		ICRETI 3 4-30)	INLETS, TYPE SINGLE	00470	11	EA	\$1,717.00	\$18,887.00
25	CO (BE	ICRETI 5 4-31-	INLETS, TYPE DOUBLE	00470	1	EA	\$2,031.00	\$2,031.00
26	CO ST	NECT UCTUI	ON TO EXISTING	00490	1	EA	\$4,358.00	\$4,358.00
27	FIL ST	ING AI	ANDONED ES	00490	2	EA	\$2,565.00	\$5,130.00
28	RE:	CONST	RUCT MANHOLE BASE	00490	1	EA	\$2,277.00	\$2,277.00
29	Dr i	ERSIO	1 OF FLOW	00490	1	LS	\$8,000.00	\$8,000.00
30		SM FOI SURFA	BASE IN TRENCH SING	00495	12	CY	\$220.00	\$2,640.00
31	TE !	MPOR/ SURFA	RY TRENCH CING, 2" THICK	00495	390	SY	\$32.00	\$12,480.00
32	TF I	ENCH I SE, MI	ESURFACING W/O VAC, 6" THICK	00495	336	SY	\$61.00	\$20,496.00
33			NE PAVEMENT , 2" DEEP	00620	109	SY	\$25.00	\$2,725.00
34		GREG SE	TE BASE, FOR MHMAC	00640	77	CY	.\$80.00	\$6,160.00
35			1/2" DENSE,MHMAC 2' THICK	00744	109	SY	\$30.00	\$3,270.00
36	3 C	ONCRE	E CURBS	00759	80	FT	\$86.00	\$6,880.00
37	7 C	ONCRE	TE WALKS	00759	100	SF	\$11.00	\$1,100.00
38		ONOLI'	HIC CURB AND KS	00759	100	SF	\$37.00	\$3,700.00
3	9 E	ELGIAN	BLOCK PAVEMENT	00762	132	SY		\$26,400.00
				,	•			
ВІ	DD:	R AC	(NOWLEDGES ADDI	ENDA			TOTAL BID	\$999,739.0