

Project Name: 318th Ave NE - Culvert Replacement

Bid Date: 17-Jul-09

Contract No.: C00463C09

Ad Date: 30-Jun-09

Project Nos.: 200707, R44220

Bids Verified: 21-Jul-09

Length: 300 feet

ITEM NO.	STD ITEM NO.	ITEM DESCRIPTION	King County Engineer's Estimate				Johansen Excavating, Inc.		Marshbank Const Inc.		Santana Trucking & Excavating		Dennis R. Craig Const Inc.		Clearcreek Contractors		Construct Company LLC	
			QUANTITY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
PREPARATION																		
1	0001	MOBILIZATION	LUMP SUM	LS	\$ 40,000.00	\$ 40,000.00	LUMP SUM	\$ 42,250.00	LUMP SUM	\$ 43,000.00	LUMP SUM	\$ 51,100.00	LUMP SUM	\$ 18,324.00	LUMP SUM	\$ 38,682.92	LUMP SUM	\$ 55,000.00
2	0030	CLEARING AND GRUBBING	0.26	ACRE	\$ 4,000.00	\$ 1,040.00	\$ 13,850.00	\$ 3,601.00	\$ 63,677.00	\$ 16,556.02	\$ 30,700.00	\$ 7,982.00	\$ 7,058.40	\$ 1,835.18	\$ 23,183.09	\$ 6,027.60	\$ 30,000.00	\$ 7,800.00
3	0188	REMOVING TEMPORARY PAVEMENT MARKING	1150	L.F.	\$ 1.15	\$ 1,322.50	\$ 0.25	\$ 287.50	\$ 1.60	\$ 1,840.00	\$ 1.00	\$ 1,150.00	\$ 1.61	\$ 1,851.50	\$ 4.69	\$ 5,393.50	\$ 1.50	\$ 1,725.00
GRADING																		
4	0310	ROADWAY EXCAVATION INCL. HAUL	225	C.Y.	\$ 25.00	\$ 5,625.00	\$ 18.00	\$ 4,050.00	\$ 25.00	\$ 5,625.00	\$ 20.00	\$ 4,500.00	\$ 29.10	\$ 6,547.50	\$ 21.66	\$ 4,873.50	\$ 23.00	\$ 5,175.00
5	0421	GRAVEL BORROW INCL. HAUL	670	TON	\$ 22.00	\$ 14,740.00	\$ 19.00	\$ 12,730.00	\$ 21.40	\$ 14,338.00	\$ 24.00	\$ 16,080.00	\$ 21.95	\$ 14,706.50	\$ 21.09	\$ 14,130.30	\$ 21.50	\$ 14,405.00
DRAINAGE																		
6	1040	CHANNEL EXCAVATION INCL. HAUL	350	C.Y.	\$ 23.00	\$ 8,050.00	\$ 20.00	\$ 7,000.00	\$ 21.00	\$ 7,350.00	\$ 20.00	\$ 7,000.00	\$ 23.24	\$ 8,134.00	\$ 17.45	\$ 6,107.50	\$ 23.00	\$ 8,050.00
7	1093	STREAMBED SEDIMENT	180	TON	\$ 40.00	\$ 7,200.00	\$ 24.00	\$ 4,320.00	\$ 36.00	\$ 6,480.00	\$ 42.00	\$ 7,560.00	\$ 42.44	\$ 7,639.20	\$ 49.97	\$ 8,994.60	\$ 20.00	\$ 3,600.00
8		STREAMBED COBBLES	285	TON	\$ 40.00	\$ 11,400.00	\$ 27.50	\$ 7,837.50	\$ 31.00	\$ 8,835.00	\$ 50.00	\$ 14,250.00	\$ 38.11	\$ 10,861.35	\$ 43.56	\$ 12,414.60	\$ 34.00	\$ 9,690.00
9		STREAMBED BOULDERS	15	TON	\$ 85.00	\$ 1,275.00	\$ 88.00	\$ 1,320.00	\$ 75.00	\$ 1,125.00	\$ 200.00	\$ 3,000.00	\$ 84.11	\$ 1,261.65	\$ 139.72	\$ 2,095.80	\$ 34.00	\$ 510.00
10		BOX CULVERT INSTALLATION	LUMP SUM	L.S.	\$ 60,000.00	\$ 60,000.00	LUMP SUM	\$ 23,400.00	LUMP SUM	\$ 35,100.00	LUMP SUM	\$ 50,100.00	LUMP SUM	\$ 25,054.99	LUMP SUM	\$ 29,317.74	LUMP SUM	\$ 215,000.00
11	1160	UNDERDRAIN PIPE 6 IN. DIAM.	60	L.F.	\$ 16.00	\$ 960.00	\$ 11.25	\$ 675.00	\$ 17.00	\$ 1,020.00	\$ 17.00	\$ 1,020.00	\$ 4.79	\$ 287.40	\$ 41.28	\$ 2,476.80	\$ 11.00	\$ 660.00
12	7006	STRUCTURE EXCAVATION CLASS B INCL. HAUL	1400	C.Y.	\$ 22.00	\$ 30,800.00	\$ 15.00	\$ 21,000.00	\$ 25.00	\$ 35,000.00	\$ 36.00	\$ 50,400.00	\$ 19.67	\$ 27,538.00	\$ 20.72	\$ 29,008.00	\$ 33.00	\$ 46,200.00
13	7008	SHORING OR EXTRA EXCAVATION CLASS B	1315	SF	\$ 6.00	\$ 7,890.00	\$ 3.50	\$ 4,602.50	\$ 0.40	\$ 526.00	\$ 3.00	\$ 3,945.00	\$ 0.62	\$ 815.30	\$ 10.04	\$ 13,202.60	\$ 12.00	\$ 15,780.00
14		SHORING OR EXTRA EXCAVATION CLASS B FOR BOX CULVERT	1500	S.F.	\$ 17.00	\$ 25,500.00	\$ 2.50	\$ 3,750.00	\$ 4.60	\$ 6,900.00	\$ 13.00	\$ 19,500.00	\$ 80.73	\$ 121,095.00	\$ 9.72	\$ 14,580.00	\$ 1.00	\$ 1,500.00
15		GRAVEL BACKFILL FOR CULVERT FOUNDATION	160	C.Y.	\$ 43.00	\$ 6,880.00	\$ 47.35	\$ 7,576.00	\$ 52.00	\$ 8,320.00	\$ 41.75	\$ 6,680.00	\$ 35.10	\$ 5,616.00	\$ 62.67	\$ 10,027.20	\$ 28.00	\$ 4,480.00
16		GRAVEL BACKFILL FOR CULVERT	795	C.Y.	\$ 35.00	\$ 27,825.00	\$ 31.00	\$ 24,645.00	\$ 34.80	\$ 27,666.00	\$ 41.75	\$ 33,191.25	\$ 34.96	\$ 27,793.20	\$ 45.26	\$ 35,981.70	\$ 28.00	\$ 22,260.00
17		CORRUGATED POLYETHYLENE STORM SEWER PIPE 18 IN. DIAM.	62	L.F.	\$ 50.00	\$ 3,100.00	\$ 44.50	\$ 2,759.00	\$ 50.00	\$ 3,100.00	\$ 39.00	\$ 2,418.00	\$ 51.23	\$ 3,176.26	\$ 88.25	\$ 5,471.50	\$ 55.00	\$ 3,410.00
WATER																		
18		SAMPLE TAP/BLOWOFF ASSEMBLY	1	EACH	\$ 750.00	\$ 750.00	\$ 1,400.00	\$ 1,400.00	\$ 1,664.00	\$ 1,664.00	\$ 1,700.00	\$ 1,700.00	\$ 1,346.12	\$ 1,346.12	\$ 2,366.93	\$ 2,366.93	\$ 1,100.00	\$ 1,100.00
19	3868	DUCTILE IRON PIPE FOR WATERMAIN, 10 IN. DIAM.	200	L.F.	\$ 65.00	\$ 13,000.00	\$ 50.00	\$ 10,000.00	\$ 93.00	\$ 18,600.00	\$ 60.00	\$ 12,000.00	\$ 45.38	\$ 9,076.00	\$ 102.59	\$ 20,518.00	\$ 116.00	\$ 23,200.00
20		BYPASS MONITORING	LUMP SUM	L.S.	\$ 2,000.00	\$ 2,000.00	LUMP SUM	\$ 1,100.00	LUMP SUM	\$ 444.00	LUMP SUM	\$ 2,600.00	LUMP SUM	\$ 2,747.00	LUMP SUM	\$ 5,400.28	LUMP SUM	\$ 20,000.00
21		REMOVE AND SALVAGE EXISTING PIPE	200	L.F.	\$ 10.00	\$ 2,000.00	\$ 5.00	\$ 1,000.00	\$ 6.00	\$ 1,200.00	\$ 5.00	\$ 1,000.00	\$ 10.94	\$ 2,188.00	\$ 6.62	\$ 1,324.00	\$ 2.50	\$ 500.00
STRUCTURE																		
22		SHORING CL. A	LUMP SUM	L.S.	\$ 45,000.00	\$ 45,000.00	LUMP SUM	\$ 80,300.00	LUMP SUM	\$ 39,421.00	LUMP SUM	\$ 28,000.00	LUMP SUM	\$ 69,000.00	LUMP SUM	\$ 73,657.64	LUMP SUM	\$ 31,000.00
23		REMOVING UNEXPECTED OBSTRUCTION	EST. \$10,000	EST.	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
SURFACING																		
24	5100	CRUSHED SURFACING BASE COURSE	300	TON	\$ 25.00	\$ 7,500.00	\$ 28.00	\$ 8,400.00	\$ 27.00	\$ 8,100.00	\$ 28.00	\$ 8,400.00	\$ 24.84	\$ 7,452.00	\$ 41.30	\$ 12,390.00	\$ 20.00	\$ 6,000.00
HOT MIX ASPHALT																		
25	5767	HMA CL. 1/2" PG 64-22	176	TON	\$ 122.00	\$ 21,472.00	\$ 104.50	\$ 18,392.00	\$ 131.00	\$ 23,056.00	\$ 122.00	\$ 21,472.00	\$ 128.06	\$ 22,538.56	\$ 133.35	\$ 23,469.60	\$ 110.00	\$ 19,360.00
26	5711	PLANING BITUMINOUS PAVEMENT	50	S.Y.	\$ 65.00	\$ 3,250.00	\$ 80.00	\$ 4,000.00	\$ 71.00	\$ 3,550.00	\$ 50.00	\$ 2,500.00	\$ 38.63	\$ 1,931.50	\$ 60.28	\$ 3,014.00	\$ 7.00	\$ 350.00
EROSION CONTROL & LANDSCAPING																		
27	6373	SILT FENCE	680	L.F.	\$ 5.00	\$ 3,400.00	\$ 3.00	\$ 2,040.00	\$ 7.50	\$ 5,100.00	\$ 4.50	\$ 3,060.00	\$ 3.27	\$ 2,223.60	\$ 4.86	\$ 3,304.80	\$ 4.00	\$ 2,720.00
28	6490	EROSION/WATER POLLUTION CONTROL	EST. \$5,000	EST.	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
29	6422	SEEDING & MULCHING	LUMP SUM	L.S.	\$ 2,000.00	\$ 2,000.00	LUMP SUM	\$ 4,700.00	LUMP SUM	\$ 2,133.00	LUMP SUM	\$ 2,000.00	LUMP SUM	\$ 4,025.00	LUMP SUM	\$ 7,997.37	LUMP SUM	\$ 800.00
30	6405	TOP SOIL TYPE A	70	CY	\$ 46.00	\$ 3,220.00	\$ 73.50	\$ 5,145.00	\$ 79.00	\$ 5,530.00	\$ 40.00	\$ 2,800.00	\$ 42.18	\$ 2,952.60	\$ 44.60	\$ 3,122.00	\$ 26.00	\$ 1,820.00
31	6630	HIGH VISIBILITY FENCE	680	L.F.	\$ 3.00	\$ 2,040.00	\$ 3.00	\$ 2,040.00	\$ 2.44	\$ 1,659.20	\$ 3.50	\$ 2,380.00	\$ 1.82	\$ 1,237.60	\$ 3.06	\$ 2,080.80	\$ 2.50	\$ 1,700.00
32		STREAM DIVERSION AND DEWATERING SYSTEM	LUMP SUM	L.S.	\$ 35,000.00	\$ 35,000.00	LUMP SUM	\$ 25,250.00	LUMP SUM	\$ 34,555.00	LUMP SUM	\$ 17,000.00	LUMP SUM	\$ 14,472.00	LUMP SUM	\$ 28,866.23	LUMP SUM	\$ 20,000.00
TRAFFIC																		

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			QUANTITY	UNIT	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
33		TEMPORARY CONCRETE BARRIER	300	L.F.	\$ 20.00	\$ 6,000.00	\$ 22.00	\$ 6,600.00	\$ 27.00	\$ 8,100.00	\$ 20.00	\$ 6,000.00	\$ 25.00	\$ 7,500.00	\$ 30.65	\$ 9,195.00	\$ 26.00	\$ 7,800.00
34	6806	PAINT LINE	315	L.F.	\$ 3.50	\$ 1,102.50	\$ 3.75	\$ 1,181.25	\$ 7.00	\$ 2,205.00	\$ 3.00	\$ 945.00	\$ 1.44	\$ 453.60	\$ 4.22	\$ 1,329.30	\$ 1.00	\$ 315.00
35	6888	TEMPORARY PAVEMENT MARKING	1150	L.F.	\$ 1.00	\$ 1,150.00	\$ 0.40	\$ 460.00	\$ 1.55	\$ 1,782.50	\$ 1.00	\$ 1,150.00	\$ 1.15	\$ 1,322.50	\$ 0.42	\$ 483.00	\$ 1.00	\$ 1,150.00
36	6971	PROJECT TEMPORARY TRAFFIC CONTROL	LUMP SUM	L.S.	\$ 8,000.00	\$ 8,000.00	LUMP SUM	\$ 10,450.00	LUMP SUM	\$ 2,326.00	LUMP SUM	\$ 9,500.00	LUMP SUM	\$ 1,260.00	LUMP SUM	\$ 15,123.26	LUMP SUM	\$ 1,000.00
37	6980	FLAGGERS AND SPOTTERS	120	HR	\$ 45.00	\$ 5,400.00	\$ 48.00	\$ 5,760.00	\$ 47.00	\$ 5,640.00	\$ 37.00	\$ 4,440.00	\$ 55.20	\$ 6,624.00	\$ 95.16	\$ 11,419.20	\$ 38.00	\$ 4,560.00
OTHER ITEMS																		
38	7559	TEMPORARY GEOSYNTHETIC RETAINING WALL	580	S.F.	\$ 15.00	\$ 8,700.00	\$ 26.50	\$ 15,370.00	\$ 23.00	\$ 13,340.00	\$ 3.50	\$ 2,030.00	\$ 12.96	\$ 7,516.80	\$ 36.24	\$ 21,019.20	\$ 10.50	\$ 6,090.00
39	7728	MINOR CHANGES	EST. \$15,000	EST.	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
40	7736	SPCC PLAN	LUMP SUM	L.S.	\$ 1,000.00	\$ 1,000.00	LUMP SUM	\$ 1,000.00	LUMP SUM	\$ 1,302.00	LUMP SUM	\$ 3,000.00	LUMP SUM	\$ 549.52	LUMP SUM	\$ 301.38	LUMP SUM	\$ 500.00

Total Engineer's Estimate	\$ 455,592.00				
Total Bid Amount		\$ 406,391.75	\$ 432,488.72	\$ 441,853.25	\$ 478,953.43
Amount Difference		\$ (49,200.25)	\$ (23,103.28)	\$ (13,738.75)	\$ 23,361.43
Percentile Difference from Engineer's Estimate		-10.80%	-5.07%	-3.02%	5.13%
SCS requirement @ 5%		Not in compliance	In compliance		13.08%
					30.65%