ENGINEER'S ESTIMATE FOR RELOCATION OF WATER LINE
WATER LINE RELOCATIONS ACROSS I-35 & SH 9
Agreements # 2 and #3 Combined

				ENGINEERS ESTIMATE	
Item No.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
1	12" C-900 PVC AWWA PIPE - CLASS 200, DR 14 - OPEN TRENCH	L.F.	350	$ 85.00	$ 29,750.00
2	24" C-905 PVC AWWA PIPE - CLASS 200, DR 21 - OPEN TRENCH	L.F.	40	$ 155.00	$ 6,200.00
3	30" DIPS HDPE - 200 PSI - DR11	L.F.	105	$ 175.00	$ 18,375.00
4	24" BORING & STEEL ENCASEMENT, INCLUDING 12" C-900 PVC CARRIER PIPE	L.F.	440	$ 360.00	$ 158,400.00
5	36" BORING & STEEL ENCASEMENT, INCLUDING 30" DIPS HDPE - 200 PSI - DR11	L.F.	430	$ 1,250.00	$ 537,500.00
6	12" WATERLINE ABANDONMENT	L.F.	755	$ 5.50	$ 4,152.50
7	24" WATERLINE ABANDONMENT	L.F.	420	$ 9.00	$ 3,780.00
8	NEW FIRE HYDRANT ASSEMBLY, INCLUDING 6" GATE VALVE AND BOX	EA.	1	$ 3,700.00	$ 3,700.00
9	REMOVAL OF FIRE HYDRANT	EA.	1	$ 500.00	$ 500.00
10	12" X 22.5° BEND (MJ)	EA.	1	$ 700.00	$ 700.00
11	12" X 45° BEND (MJ)	EA.	17	$ 900.00	$ 15,300.00
12	12" X 90° BEND (MJ)	EA.	1	$ 1,100.00	$ 1,100.00
13	30" X 45° HDPE 3-SEGMENT BEND (BUTT WELDED)	EA.	8	$ 4,000.00	$ 32,000.00
14	12" X 6" TEE (MJ)	EA.	1	$ 1,500.00	$ 1,500.00
15	24" X 12" TEE (MJ)	EA.	1	$ 3,000.00	$ 3,000.00
16	30" X 24" PVC REDUCER (MJ)	EA.	2	$ 5,000.00	$ 10,000.00
17	12" WET CONNECTION	EA.	4	$ 1,850.00	$ 7,400.00
18	24" WET CONNECTION	EA.	2	$ 9,650.00	$ 19,300.00
19	12" GATE VALVE & BOX	EA.	4	$ 3,500.00	$ 14,000.00
20	24" BUTTERFLY VALVE & BOX	EA.	2	$ 20,000.00	$ 40,000.00
21	CRUSHED ROCK FOR UNSTABLE FOUNDATION MATERIAL	C.Y.	100	$ 50.00	$ 5,000.00
22	CRUSHER RUN BACKFILL MATERIAL	C.Y.	110	$ 50.00	$ 5,500.00
23	4" AIR RELEASE - AIR / VACUUM COMBINATION VALVE AND VAULT	EA.	1	$ 10,000.00	$ 10,000.00
24	12" FLUSHING HYDRANT	EA.	1	$ 2,000.00	$ 2,000.00
25	2" CORPORATION STOP	EA.	2	$ 415.00	$ 830.00
26	2" WATER SERVICE LINE CONNECTION	EA.	2	$ 1,500.00	$ 3,000.00
27	PORTLAND CEMENT CONCRETE PAVEMENT - REMOVE AND REPLACE	S.Y.	85	$ 125.00	$ 10,625.00
28	ASPHALT PAVEMENT - REMOVE AND REPLACE	S.Y.	200	$ 115.00	$ 23,000.00
29	CONCRETE CURB AND GUTTER - REMOVE AND REPLACE	L.F.	90	$ 50.00	$ 4,500.00
30	SLAB SODDING	S.Y.	250	$ 4.00	$ 1,000.00
31	MOBILIZATION	L.S.	1	$ 50,000.00	$ 50,000.00
32	TRENCH SAFETY	L.S.	1	$ 10,000.00	$ 10,000.00
33	CONSTRUCTION STAKING	L.S.	1	$ 7,500.00	$ 7,500.00
34	TEMPORARY SEDIMENTATION AND EROSION CONTROL SYSTEM	L.S.	1	$ 3,500.00	$ 3,500.00
35	HYDROSTATIC PRESSURE TESTING AND DISINFECTION	L.S.	1	$ 12,000.00	$ 12,000.00
	TOTAL BID ESTIMATE				1,055,112.50