

BIG SANDY WATER DISTRICT
PRELIMINARY CONSTRUCTION COST ESTIMATE
OLD U.S. 23 TRANSMISSION WATERLINE REPLACEMENT

Item No.	Description	Total Quantities	Unit Cost	Total Cost
1	14" HDPE DR11, IPS Waterline (2.05 miles)	10,800 L.F.	\$65	\$702,000
2	12" CL250 PVC Waterline	75 L.F.	\$35	\$2,625
3	3" CL250 PVC Waterline	50 L.F.	\$15	\$750
4	3/4" Service Line	400 L.F.	\$12	\$4,800
5	14" Gate Valves	6 EA.	\$18,000	\$108,000
6	12" Gate Valves	2 EA.	\$8,000	\$16,000
7	3" Gate Valves	1 EA.	\$1,600	\$1,600
8	Fire Hydrants	3 EA.	\$6,000	\$18,000
9	Tie New 14" HDPE DR11 , IPS Waterline to Existing 12" CL 200 PVC	4 EA.	\$6,000	\$24,000
10	Tie New 14" HDPE DR11, IPS Waterline to Existing 3" CL 200 PVC	1 EA.	\$5,000	\$5,000
11	Bore & Jack 20" Steel Casing w/14" HDPE DR11, IPS w/Spacers	410 LF	\$350	\$143,500
12	End Caps	6 EA.	\$1,000	\$6,000
13	Reconnect Existing Meters	5 EA.	\$1,200	\$6,000
14	Furnish / Install 4" Meter @ Calgan Corp	1 EA.	\$8,000	\$8,000
15	Gravel Replacement	40 SY	\$55	\$2,200
16	Asphalt Replacement (LD)	180 SY	\$85	\$15,300
17	Asphalt Replacement (HD)	200 SY	\$110	\$22,000
18	Fiberglass Markers	25 EA.	\$75	\$1,875
19	Miscellaneous Search (Time/Material) for Waterline Location	25 HRS.	\$125	\$3,125
SUBTOTAL				\$1,090,775

Contingency ± 10%	<u>\$110,225</u>
Total Estimated Construction Cost	\$1,201,000
Administrative Expenses	\$28,000
District / Admin	\$8,000
Legal Expenses (Easements, etc.)	\$6,000
Planning & P.E.R.	\$20,000
Engineering Fees - Design (RD Schedule)	\$82,600
Engineering Fees - Construction (RD Schedule)	\$20,600
Engineering Fees - Inspection (RD Schedule)	\$64,800
Engineering Fees - Other Permits, etc.	<u>\$10,000</u>
TOTAL ESTIMATED PROJECT COSTS	\$1,441,000