

**BULL RUN STORAGE PROJECT
CITY OF PORTLAND, OREGON
DEPT. OF PUBLIC UTILITIES - BUREAU OF WATER WORKS
JOHN M. MANN, Commissioner**

Contract for: Construction of Bull Run Storage Dam.
Contractor: Bent Bros., Inc., Los Angeles, California.

PROPOSAL		CONTRACT ESTIMATES			TOTAL TO DATE			
No.	Item	Quantity	Unit Price	Amount	% Complete	Quantity	Amount Total	Amount Paid (90%)
1.	Com. Ex. above 870	32,000 C. Y.	\$1.50	\$ 48,000.00		32,325	\$ 48,487.50	
2.	Com. Ex. below 870	20,000 C. Y.	1.30	26,000.00		16,500	21,450.00	
3.	Solid Rock Ex. above 870	45,000 C. Y.	2.50	112,500.00		53,930	134,825.00	
4.	Solid Rock Ex. below 870	10,000 C. Y.	4.00	40,000.00		2,990	11,960.00	
5.	Cut-off Trench S. R.	1,000 C. Y.	4.00	4,000.00		1,130	4,520.00	
6.	Backfill	15,000 C. Y.	0.75	11,250.00		15,000	11,250.00	
7.	Plain Concrete	230,000 C. Y.	4.30	989,000.00		218,880	941,184.00	
8.	Reinf. Conc. Cl. "A"	2,500 C. Y.	9.00	22,500.00		3,090	27,810.00	
9.	Reinf. Conc. Cl. "B"	1,200 C. Y.	21.00	25,200.00		875	18,375.00	
10.	Gate Hs. & Valve Hs.	Lump	Sum	6,000.00			6,000.00	
11.	Reinf. Steel	300,000 Lbs.	0.05	15,000.00		289,000	14,450.00	
12.	Structural Steel	175,000 Lbs.	0.10	17,500.00		160,300	16,030.00	
13.	Anchor Rods	400	4.00	1,600.00		355	1,420.00	
14.	Steel Pipes	475,000 Lbs.	0.075	35,625.00		450,550	33,791.25	
15.	Gates and Valves	250,000 Lbs.	0.025	6,250.00		220,500	5,512.50	
16.	Copper Water Stops	2,500 Ft.	4.00	10,000.00		2,985	11,940.00	
17.	Conc. Drain Pipe	11,000 Ft.	0.55	6,050.00		15,750	8,662.50	
18.	3" Split Conc. Pipe	25,000 Ft.	0.20	5,000.00		49,570	9,914.00	
19.	2" Drain Holes	5,000 Ft.	4.50	22,500.00		5,145	23,152.50	
20.	2" Grout Holes	5,000 Ft.	4.50	22,500.00		7,600	34,200.00	
21.	Grout	250 C. Y.	50.00	12,500.00		230	11,500.00	
22.	1½" Pipe Railing	700 Ft.	2.00	1,400.00		965	1,930.00	
TOTAL				\$1,440,375.00			\$1,398,364.25	
							Plus Extra Work.....	75,000.00
								\$1,473,364.25

Date.....
Supt. Design and Construction.