

A0006777

REASONABLE CONTRACT ESTIMATE 19 JAN 84 LT					SHEET 1 OF 1
PROJECT 17 <sup>TH</sup> ST CANAL - REVISED HLP ALTERNATIVE (NO DRAINAGE IMPROVEMENTS)					INVITATION NO.
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
1	MOBILIZATION & DEMOBILIZATION	1	JOB	LUMP SUM	50,000
2	CLEARING & GRUBBING	1	JOB	LUMP SUM	30,000
3	EXCAVATION (LEVEE DEGRADING)	45,200	C.Y.	6.00	271,200
4	FILL (LEVEE RAISING)	19,700	C.Y.	2.00	39,400
5	CANAL DREDGING	16,700	C.Y.	12.00	200,400
6	CONCRETE BLOCK MAT	185,700	S.F.	5.00	928,500
7	RIPRAP	6600	TON	20.00	132,000
8	SELECTIVE DEMOLITION (Consists of: removal of approx. 8750 LF. Conc. capped sheet pile wall; removal of approx 7480 LF. of uncapped sheet pile wall; removal of portions of existing bike path (asphalt 5420'); removal of portions of Orpheum Ave. (asphalt road 1430 S.Y.); and removal of misc timber structures in canal)	1	JOB	LUMP SUM	315,000
9	STRUCTURAL EXCAVATION	12,484	C.Y.	8.00	99,872
10	STRUCTURAL BACKFILL	8323	CY	10.00	83,230
11	P2-27 STEEL SHEET PILING	224,306	S.F.	12.50	2,803,825
12	P2-22 STEEL SHEET PILING	198,400	S.F.	10.00	1,984,000
13	P2-38 STEEL SHEET PILING	582,561	S.F.	16.00	9,320,976
14	12" Ø TREATED TIMBER PILES	1245	L.F.	10.00	12,450
15	10" x 10" CRESOTED TIMBER WALES	200	L.F.	15.00	3,090
16	REINFORCED CONCRETE WALL	17,080	C.Y.	325.00	5,551,000
17	STRUCTURAL STEEL (MISC)	650	LB	3.00	1,950
18	3-BULB WATERSTOP	9110	L.F.	8.00	72,800
	SUBTOTAL				21,899,693
	10% CONTINGENCIES				
	TOTAL CONSTRUCTION				

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**LOCATION NO. 1**



**LOCATION NO. 2**



**LOCATION NO. 3**

# OUTFALL CANAL ORLEANS AVE.

Meeting 17<sup>th</sup> Sh Canal  
Parallel Protection

2/16/87

4000' Orleans Side cannot set back

X-Section are being taken along levee  
to refine calculations

Ewh's Engr. doing refined calculations

Pls slope 1 on 3, levee slope 1 on 3  
and 10' crown

Preliminary calc. indicate section will  
be ok for FS = 1.3 for low water  
condition

Vets Hwy Modj. & Master claims

they are not affecting this area -

Correction is more flood protection not drainage  
issue.

Mr. Chety claims new <sup>pump</sup> flow would <sup>incr.</sup> affect water  
surface elev.

M&M will study this area to confirm flow line  
will not be higher - which lake level?

For Normal lake level FL = ?

For High " " FL = ?

H. & H. Br. has results of AEC run for  
existing conditions - will furnish results  
to M. & M.