

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

ENGINEER'S PROJECT NUMBER: B7002.00

PROJECT TITLE: Lake Worth Drainage District Control Structure No. 9

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
<u>GENERAL CONDITIONS:</u>					
GC-1	MOBILIZATION & GENERAL CONDITIONS (MAX 3% OF TOTAL BID)	LS	1	\$ 165,000.00	\$ 165,000.00
GC-2	BONDS & INSURANCE REQUIREMENTS (MAX 2% OF TOTAL BID)	LS	1	\$ 110,000.00	\$ 110,000.00
GC-3	MAINTENANCE OF TRAFFIC	LS	1	\$ 10,000.00	\$ 10,000.00
GC-4	SURVEY LAYOUT & RECORD DRAWINGS	LS	1	\$ 10,000.00	\$ 10,000.00
GC-5	PRE-CONSTRUCTION VIDEO	LS	1	\$ 2,000.00	\$ 2,000.00
GC-6	POST CONSTRUCTION VIDEO	LS	1	\$ 2,000.00	\$ 2,000.00
GC-7	TRENCH SAFETY COMPLIANCE	LS	1	\$ 15,000.00	\$ 15,000.00
GC-8	SFWMD DEWATERING WATER USE PERMIT AND COMPLIANCE ALLOWANCE	LS	1	\$ 7,500.00	\$ 7,500.00
GC-9	TEMPORARY CONSTRUCTION FENCING	LS	1	\$ 9,000.00	\$ 9,000.00
GENERAL CONDITIONS SUBTOTAL					\$ 330,500.00
<u>DEMOLITION - EXISTING CONTROL STRUCTURE NO. 9:</u>					
D-1	REMOVE BUILDING AND GRATING	LS	1	\$ 25,000.00	\$ 25,000.00
D-2	COFFERDAM AND DE-WATER	LS	1	\$ 45,000.00	\$ 45,000.00
D-3	REMOVE GATES AND CENTER PIER	LS	1	\$ 35,000.00	\$ 35,000.00
D-4	REMOVE CONCRETE FLOW GUIDE	LS	1	\$ 15,000.00	\$ 15,000.00
D-5	FLOWABLE FILL AND EARTHEN FILL	LS	1	\$ 30,000.00	\$ 30,000.00
D-6	SOD - RESTORATION	LS	1	\$ 5,000.00	\$ 5,000.00
DEMOLITION SUBTOTAL					\$ 155,000.00
<u>SITE CONSTRUCTION:</u>					
SC-1	BY-PASS CHANNEL - SEQUENCING	LS	1	\$ 10,000.00	\$ 10,000.00
SC-2	8-FT FENCE AND PERSONNEL / SWING GATES	LF	275	\$ 55.00	\$ 15,125.00
SC-3	4-FT FENCE	LF	135	\$ 35.00	\$ 4,725.00
SC-4	VEHICAL GATES	EA	4	\$ 5,500.00	\$ 22,000.00
SC-5	12" NYLOPLAST INLETS AND 12" HDPE PIPE W/ SOCK	LS	1	\$ 3,000.00	\$ 3,000.00
SC-6	8" DIA. PERFORATED HDPE INSTALLATION AND BACKFILL	LF	380	\$ 30.00	\$ 11,400.00
SC-7	PIPE CLEAN OUT	EA	4	\$ 200.00	\$ 800.00
SC-8	TYPE C INLET W/ ALUMINUM WEIR PLATE	EA	1	\$ 5,000.00	\$ 5,000.00
SC-9	CLEARING AND GRUBBING	LS	1	\$ 20,000.00	\$ 20,000.00
SC-10	EARTHWORK CUT	CY	470	\$ 7.00	\$ 3,290.00
SC-11	EARTHWORK FILL	CY	2300	\$ 5.00	\$ 11,500.00

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
SC-12	CONCRETE DRIVEWAY (FDOT TYPE G-4)	SY	160	\$ 60.00	\$ 9,600.00
SC-13	LARGE PULL BOX	EA	2	\$ 5,000.00	\$ 10,000.00
SC-14	CONCRETE WALK	SY	30	\$ 50.00	\$ 1,500.00
SC-15	CONCRETE PAVEMENT	SY	450	\$ 60.00	\$ 27,000.00
SC-16	NO. 57 STONE	CY	390	\$ 87.00	\$ 33,930.00
SC-17	SOD	SF	5000	\$ 0.50	\$ 2,500.00
SC-18	ROCK RIP-RAP, BEDDING STONE AND FILTER FABRIC	TN	3500	\$ 110.00	\$ 385,000.00
SC-19	ARMOR FLEX	SF	4000	\$ 24.00	\$ 96,000.00
SC-20	4-CY DUMPSTER	EA	2	\$ 1,500.00	\$ 3,000.00
SC-21	TUFFBOOM W/ SKIRT	EA	1	\$ 25,000.00	\$ 25,000.00
SC-22	FLOATING BOAT BARRIER	EA	1	\$ 10,000.00	\$ 10,000.00
SC-23	SIGNAGE	LS	1	\$ 2,500.00	\$ 2,500.00
SITE CONSTRUCTION SUBTOTAL					\$ 712,870.00
<u>STRUCTURAL:</u>					
S-1	DE-WATER	LS	1	\$ 60,000.00	\$ 60,000.00
S-2	INTAKE STRUCTURE (WALLS AND FOUNDATION)	LS	1	\$ 600,000.00	\$ 600,000.00
S-3	STEEL SHEET PILING INCLUDING WING WALLS	LS	1	\$ 750,000.00	\$ 750,000.00
S-4	CONCRETE CAP AND FASCIA	LS	1	\$ 600,000.00	\$ 600,000.00
S-5	PRE-CAST CONCRETE BRIDGE TOP SLAB	LS	1	\$ 40,000.00	\$ 40,000.00
S-6	GATE STRUCTURE (FOUNDATION, PIER AND WEIR)	LS	1	\$ 900,000.00	\$ 900,000.00
S-7	ALUMINUM FRAMING AND GRATING	LF	1	\$ 50,000.00	\$ 50,000.00
S-8	ALUMINUM RAILING	LS	1	\$ 20,000.00	\$ 20,000.00
S-9	CUT OFF STEEL SHEETING WALLS	LS	1	\$ 70,000.00	\$ 70,000.00
S-10	OUTFALL STRUCTURE	LF	1	\$ 75,000.00	\$ 75,000.00
S-11	ELECTRICAL AND PUMP HOUSING BUILDING	LS	1	\$ 250,000.00	\$ 250,000.00
S-12	ANTENNA FOUNDATION PLUS MISC PADS	LS	1	\$ 25,000.00	\$ 25,000.00
S-13	STILLING WELL PLATFORM	EA	2	\$ 20,000.00	\$ 40,000.00
STRUCTURAL SUBTOTAL					\$ 3,480,000.00
<u>MECHANICAL:</u>					
M-1	20,000 GPM ELECTRIC PUMP	EA	2	\$ 100,000.00	\$ 200,000.00
M-2	12' TAINTER GATES	EA	3	\$ 80,000.00	\$ 240,000.00
M-3	GATE ACTUATOR CONNECTIONS	EA	3	\$ 5,000.00	\$ 15,000.00
M-4	DUPERON TRASH RAKER	EA	1	\$ 225,000.00	\$ 225,000.00
M-5	LIQUID PROPANE TANK	EA	1	\$ 15,000.00	\$ 15,000.00
M-6	30" SS DISCHARGE PIPE (FITTINGS, BENDS, RESTRAINTS, ETC...)	LF	100	\$ 150.00	\$ 15,000.00

Item No.	Item Description	Unit	Quantity	Unit Price	Total Price
M-7	30" FLAP GATES	EA	2	\$ 8,500.00	\$ 17,000.00
M-8	PUMP BUILDING FAN AND LOUVERS	LS	1	\$ 5,000.00	\$ 5,000.00
M-9	STILLING WELL	EA	4	\$ 5,000.00	\$ 20,000.00
M-10	STAFF GAUGE	EA	4	\$ 1,500.00	\$ 6,000.00
M-11	BILCO HATCHES	EA	2	\$ 3,500.00	\$ 7,000.00
MECHANICAL SUBTOTAL					\$ 765,000.00
<u>ELECTRICAL:</u>					
E-1	FPL PRIMARY POWER	LS	1	\$ 25,000.00	\$ 25,000.00
E-2	FPL PAD MOUNTED TRANSFORMERS	EA	1	\$ 5,000.00	\$ 5,000.00
E-3	600A MAIN DISCONNECT	EA	1	\$ 14,500.00	\$ 14,500.00
E-4	AUTOMATIC TRANSFER SWITCH	EA	1	\$ 4,500.00	\$ 4,500.00
E-5	600A MAIN SWITCHBOARD W/ BREAKERS	EA	1	\$ 15,000.00	\$ 15,000.00
E-6	480 V PANEL BOARDS (H)	EA	1	\$ 6,800.00	\$ 6,800.00
E-7	208 V PANEL BOARDS	EA	1	\$ 3,850.00	\$ 3,850.00
E-8	STEP DOWN TRANSFORMERS	EA	1	\$ 3,200.00	\$ 3,200.00
E-9	SCADA AND PLC PROGRAMMING	LS	1	\$ 45,000.00	\$ 45,000.00
E-10	SITE LIGHTING (TWIN FLOOD LIGHTS)	EA	4	\$ 4,500.00	\$ 18,000.00
E-11	SITE LIGHTING (GENERATOR AREA)	EA	1	\$ 2,350.00	\$ 2,350.00
E-12	GROUNDING	LS	1	\$ 9,500.00	\$ 9,500.00
E-13	30A DISCONNECTS	EA	3	\$ 1,500.00	\$ 4,500.00
E-14	100 HP MOTOR STARTERS	EA	2	\$ 9,500.00	\$ 19,000.00
E-15	PUMP STATION CONTROL PANEL	EA	1	\$ 55,000.00	\$ 55,000.00
E-16	LEVEL TRANSMITTERS	EA	2	\$ 6,000.00	\$ 12,000.00
E-17	FLOATS	EA	2	\$ 1,000.00	\$ 2,000.00
E-18	CONDUIT AND WIRE	LS	1	\$ 70,000.00	\$ 70,000.00
E-19	MISC. MATERIALS	LS	1	\$ 15,000.00	\$ 15,000.00
E-20	ANTENNA MONO POLE	EA	1	\$ 55,000.00	\$ 55,000.00
E-21	TRASH RAKE CONTROL PANEL	EA	1	\$ 6,500.00	\$ 6,500.00
E-22	GENERATOR	EA	1	\$ 68,500.00	\$ 68,500.00
ELECTRICAL SUBTOTAL					\$ 460,200.00
PROJECT TOTAL					\$ 5,903,570.00
10% CONTINGENCY					\$ 600,000.00
EOPCC PROJECT TOTAL (ROUNDED)					\$6,510,000.00

**The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding, market conditions, unidentified field conditions, hyper-inflationary or deflationary price cycles or any other factors that may affect the Opinion of cost, project budget or negotiating conditions at the time of project execution. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable cost.*