

COST OPINION - CONSTRUCTION REBID

ITEM DESCRIPTION	QUANTITY	UNITS	UNIT COST	TOTAL COST
Headworks Improvements				
Headworks Equipment				
Spiral Screen with Bagger and Controls	1	EA	\$ 80,000.00	\$ 80,000.00
Stop Gates	4	EA	\$ 5,000.00	\$ 20,000.00
Equipment Installation	50%	AL	\$ 100,000.00	\$ 50,000.00
Equipment Electrical Allowance	25%	AL	\$ 80,000.00	\$ 20,000.00
Channel				
Excavation and Backfill	1.00	LS	\$ 100,000.00	\$ 100,000.00
Concrete Channel incl reinforcement and excavation	12	CY	\$ 1,180.00	\$ 14,160.00
Wall Pipe	3	EA	\$ 500.00	\$ 1,500.00
Pipe Connections	2	EA	\$ 1,000.00	\$ 2,000.00
Screening Building				
Building Structure Above Grade	1	LS	\$ 140,000.00	\$ 140,000.00
Building Foundation and Footings	44	CY	\$ 1,180.00	\$ 51,920.00
Building HVAC	1	LS	\$ 90,000.00	\$ 90,000.00
Building Electrical	1	LS	\$ 30,000.00	\$ 30,000.00
Electrical Service	490	LF	\$ 15.00	\$ 7,350.00
Electrical Handhole	1	EA	\$ 1,200.00	\$ 1,200.00
Slab on Grade, Stoops, Mech Pad incl reinforcement and excavation	14	CY	\$ 1,180.00	\$ 16,520.00
Aggregate base under slab and stoops	450	SF	\$ 5.00	\$ 2,250.00
Vapor Retarder	350	SF	\$ 3.00	\$ 1,050.00
Rigid Insulation Walls and Stoops	675	SF	\$ 3.00	\$ 2,025.00
Structural Steel	1	LS	\$ 12,000.00	\$ 12,000.00
Flow Splitting Chamber				
Flow Splitting Chamber Structure	1	EA	\$ 34,000.00	\$ 34,000.00
1'-4" Weir Gate	1	EA	\$ 5,000.00	\$ 5,000.00
14' Weir	1	EA	\$ 5,000.00	\$ 5,000.00
Sluice Gate	2	EA	\$ 5,000.00	\$ 10,000.00
Weir and Gate Installation	1	AL	\$ 15,000.00	\$ 7,500.00
Wall Pipe	4	EA	\$ 500.00	\$ 2,000.00
24" Pipe Connections	3	EA	\$ 1,000.00	\$ 3,000.00
			SUBTOTAL	= \$ 708,475.00
MBBR Improvements				
MBBR Equipment				
MBBR Equipment (media, cylindrical screens, diffusers, blowers and con	1	LS	\$600,000.00	\$ 600,000.00
MBBR Equipment Installation	10%	AL	\$600,000.00	\$ 60,000.00
MBBR Equipment Electrical	20%	AL	\$550,000.00	\$ 110,000.00
Electrical Service	660	LF	\$40.00	\$ 26,400.00
Sluice Gates	2	EA	\$3,000.00	\$ 6,000.00
5' Weir	2	EA	\$3,000.00	\$ 6,000.00
Weir and Gate Installation	50%	AL	\$12,000.00	\$ 6,000.00
3" Blower Piping	24	LF	\$130.00	\$ 3,120.00
4" Blower Piping	54	LF	\$130.00	\$ 7,020.00
6" Blower Piping	35	LF	\$130.00	\$ 4,550.00
4" Blower Valves	9	EA	\$700.00	\$ 6,300.00
Piping Connections	3	EA	\$1,000.00	\$ 3,000.00
5hp Pumps	2	EA	\$12,500.00	\$ 25,000.00
15hp Pumps	2	EA	\$25,000.00	\$ 50,000.00
Pump Installation	1	LS	\$30,000.00	\$ 30,000.00
Pump Controls	1	LS	\$30,000.00	\$ 30,000.00
8" DIP	20	LF	\$200.00	\$ 4,000.00
12" DIP	20	LF	\$220.00	\$ 4,400.00
Davit Crane	1	EA	\$5,000.00	\$ 5,000.00
Pump Electrical	20%	AL	\$75,000.00	\$ 15,000.00
Hatches	2.00	EA	\$5,000.00	\$ 10,000.00
MBBR Structure				
Excavation, Shoring and Backfill	1000	CY	\$60.00	\$ 60,000.00
MBBR Concrete	277	CY	\$945.00	\$ 261,765.00

Wall Pipes	1	LS		\$16,000.00	\$ 16,000.00
Blower and Controls Pad	7	CY		\$945.00	\$ 6,615.00
Pump Controls Pad	3	CY		\$945.00	\$ 2,835.00
Crane Foundations	5	CY		\$945.00	\$ 4,725.00
Galvanized Steel Beams and Plates	1	LS		\$7,000.00	\$ 7,000.00
		TAL			=
					\$ 1,370,730.00
Settling Basin Improvements					
Cover - Design, Supply and Installation	1	LS		\$ 364,000.00	\$ 364,000.00
7.5hp Blowers and Aeration System	1	EA		\$ 30,000.00	\$ 30,000.00
4" DIP Air Piping	260	LF		\$ 120.00	\$ 31,200.00
Electrical Allowance Equipment	1	AL		\$ 20,000.00	\$ 20,000.00
Equipment Installation	30%	AL		\$ 30,000.00	\$ 9,000.00
Blower Pad	6	SY		\$ 100.00	\$ 600.00
Blower Pad Subbase	6	SY		\$ 25.00	\$ 150.00
Flow Control Structure 3 Improvements					
Outdoor Composite Sampler	1	EA		\$ 10,000.00	\$ 10,000.00
Force Main Pump and Enclosure	1	EA		\$ 10,000.00	\$ 10,000.00
Electrical Service	1300	LF		\$ 10.00	\$ 13,000.00
Lagoon Cleaning	1.00	LS		\$ 50,000.00	\$ 50,000.00
			SUBTOTAL	=	\$ 537,950.00
Site Process Piping					
DIP, 12"	630	LF		\$ 150.00	\$ 94,500.00
DIP 18"	50	LF		\$ 180.00	\$ 9,000.00
DIP, 24"	26	LF		\$ 200.00	\$ 5,200.00
Fittings, DIP	12	EA		\$ 500.00	\$ 6,000.00
Temporary Piping	1	EA		\$ 70,000.00	\$ 70,000.00
Force Main, PVC, 3"	1630	LF		\$ 70.00	\$ 114,100.00
Process Manholes	2	EA		\$ 6,000.00	\$ 12,000.00
			SUBTOTAL	=	\$ 310,800.00
Site Improvements					
Earthwork (Does not include excavation for buildings, pads, pipes, etc.)	1	LS		\$ 150,000.00	\$ 150,000.00
Earthwork: Topsoil Strip, Salvage, and Respread	1500	CY		\$ 25.00	\$ 37,500.00
Removal, Pipe	216	LF		\$ 30.00	\$ 6,480.00
Removal, Drain Tile	110	LF		\$ 20.00	\$ 2,200.00
Fittings, PVC	4	EA		\$ 400.00	\$ 1,600.00
Dual Wall HDPE, Perforated, 6"	40	LF		\$ 60.00	\$ 2,400.00
RCP, 36"	125	LF		\$ 170.00	\$ 21,250.00
FES, RCP, 36"	1	EA		\$ 2,000.00	\$ 2,000.00
Set Propane Tank	1	EA		\$ 5,000.00	\$ 5,000.00
Gas Service, 1"	22	LF		\$ 50.00	\$ 1,100.00
Bollards	7	EA		\$ 800.00	\$ 5,600.00
Granular Surfacing	482	TON		\$ 50.00	\$ 24,100.00
PCC Paving, 5" Sidewalk	11	SY		\$ 130.00	\$ 1,430.00
PCC Paving, 7"	19	SY		\$ 130.00	\$ 2,470.00
Erosion Control, Silt Fence (Removal and Installation)	731	LF		\$ 6.00	\$ 4,386.00
Erosion Control, Straw Wattles (Removal and Installation)	130	LF		\$ 6.00	\$ 780.00
Erosion Control, SWPPP Management	1.0	LS		\$ 10,000.00	\$ 10,000.00
Seeding, Temporary Seeding	3.6	AC		\$ 2,000.00	\$ 7,200.00
Seeding, Permanent Seeding	1.8	AC		\$ 5,000.00	\$ 9,000.00
Site Restoration, Misc	1	LS		\$5,000.00	\$ 5,000.00
			SUBTOTAL	=	\$ 299,496.00

Line Item Subtotal (Rounded)	\$ 3,230,000.00
Design Contingency (5%)	\$ 160,000.00
Contractor OH & Profit (15%)	\$ 510,000.00
SUBTOTAL CONSTRUCTION BID	\$ 3,900,000.00
Construction Contingency (10%)	\$ 320,000.00
SUBTOTAL CONSTRUCTION COST	\$4,220,000.00

Soft Costs (Design Fees, Geotech, Topo Survey, Printing, Permitting, etc.) (20%) \$840,000.00
TOTAL PROJECT COSTS \$5,060,000.00

**TOTAL PROJECT COSTS AND CONSTRUCTION COSTS PROVIDED HEREIN ARE MADE ON THE BASIS OF ENGINEER'S EXPERIENCE AND QUALIFICATIONS AND REPRESENT THE ENGINEER'S BEST JUDGMENT. HOWEVER, THE ENGINEER CANNOT AND DOES NOT GUARANTEE THAT BIDS OR ACTUAL TOTAL PROJECT OR CONSTRUCTION COSTS WILL NOT VARY FROM THE ESTIMATE OF PROBABLE CONSTRUCTION COST. THIS COST OPINION IS INTENDED TO ASSIST IN BUDGETARY ASSESSMENT AND DOES NOT GUARANTEE THAT ACTUAL PROJECT COSTS WILL NOT EXCEED OR BE LOWER THAN THE AMOUNTS STATED IN THIS ESTIMATE.