

**CONSTRUCTION COST ESTIMATE FOR
110-FOOT BY 1200-FOOT
CONCRETE U-FRAME LOCK ALTERNATIVE**

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
05-----	LOCKS (110' X 1200')						
	U SHAPED CHAMBER						
	Mob and Demob	LS	-----	250,000.00	\$250,000	\$62,500	\$312,500
050003--	Care and Diversion of Water						
	Site Work (Cofferdam)						
	Backfill - Semicompacted	58,200	CUYD	3.00	\$174,600	\$43,650	\$218,250
	Seeding, Fertilizing and Mulching	4	ACRE	1,500.00	\$6,000	\$1,500	\$7,500
	Dewatering System	LS	-----	3,800,000.00	\$3,800,000	\$950,000	\$4,750,000
	Cofferdam Removal	58,200	CUYD	2.00	\$116,400	\$29,100	\$145,500
050004--	Permanent Access						
	Site Work						
	Road Surfacing	140	CUYD	35.00	\$4,900	\$1,225	\$6,125
050009--	Operations Building						
	Site Work						
	Clearing and Grubbing	0.50	ACRE	2,500.00	\$1,250	\$313	\$1,563
	Structural Excavation	1,550	CUYD	2.50	\$3,875	\$969	\$4,844
	Backfill - Semicompacted	1,330	CUYD	3.00	\$3,990	\$998	\$4,988
	14 X 14 PPC - Piling (60')	2,340	LNFT	24.00	\$56,160	\$14,040	\$70,200
	Reinforced Concrete						
	Base Slab	180	CUYD	200.00	\$36,000	\$9,000	\$45,000
	Unreinforced Concrete						
	Stabilization Slab	14	CUYD	70.00	\$980	\$245	\$1,225
	Metals						
	Pre-engineered Building	4,400	SQFT	40.00	\$176,000	\$44,000	\$220,000
	Mechanical						
	Miscellaneous Systems	LS	-----	20,000.00	\$20,000	\$5,000	\$25,000
	Electrical						
	Miscellaneous Systems	LS	-----	100,000.00	\$100,000	\$25,000	\$125,000
0500010--	Earthwork for Structure						
	Site Work (Excavation)						
	Clearing and Grubbing	39	ACRE	2,500.00	\$97,500	\$24,375	\$121,875
	Structural Excavation	400,000	CUYD	2.50	\$1,000,000	\$250,000	\$1,250,000
	Site Work (Backfill)						
	Backfill - Semicompacted	160,000	CUYD	3.00	\$480,000	\$120,000	\$600,000
	Subtotal Page 1				\$6,327,655	\$1,581,914	\$7,909,569

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
050011--	Foundation Work						
	Gate bay						
	PZ-22 Steel Sheet Piling	13,500	SQFT	12.50	\$168,750	\$42,188	\$210,938
	14 X 14 PPC - Piling Chamber	94,500	LNFT	24.00	\$2,268,000	\$567,000	\$2,835,000
	14 x 14 PPC - Piling	240,000	LNFT	24.00	\$5,760,000	\$1,440,000	\$7,200,000
	Pile Tests	4	EACH	20,000.00	\$80,000	\$20,000	\$100,000
050029--	Approach Channels						
	Site Work						
	Mobilization and Demobilization						
	Hydraulic Dredging Only	LS	-----	\$250,000.00	\$250,000	\$62,500	\$312,500
	New Lock Tailbay Channel						
	3250' with Section El. -12' x 125'	490,000	CUYD	\$2.20	\$1,078,000	\$269,500	\$1,347,500
	New Lock Forebay Channel						
	5000' with Section El. -12' x 125'						
	Hydraulic Dredge	150,000	CUYD	\$2.65	\$397,500	\$99,375	\$496,875
	Mechanical Dredge	600,000	CUYD	\$3.25	\$1,950,000	\$487,500	\$2,437,500
050057--	Gates and Associated Items						
	Sector Gates						
	Structural Steel	1,480,000	LBS	2.50	\$3,700,000	\$925,000	\$4,625,000
	Rubber Seals	650	LNFT	40.00	\$26,000	\$6,500	\$32,500
	Needle Dam						
	Structural Steel						
	Girders	150,000	LBS	2.00	\$300,000	\$75,000	\$375,000
	Needles	150,000	LBS	2.00	\$300,000	\$75,000	\$375,000
	Storage						
	14 X 14 PPC - Piling	1,500	LNFT	24.00	\$36,000	\$9,000	\$45,000
	Reinforced Concrete	75	CUYD	200.00	\$15,000	\$3,750	\$18,750
	Mechanical						
	Operating Machinery	LS	-----	800,000.00	\$800,000	\$200,000	\$1,000,000
050061--	Guard Dolphins						
	Upper and Lower						
	PS-28 Steel Sheet Piling	48,700	SQFT	22.00	\$1,071,400	\$267,850	\$1,339,250
	Gravel Fill	3,000	CUYD	22.00	\$66,000	\$16,500	\$82,500
	Concrete	2,400	CUYD	250.00	\$600,000	\$150,000	\$750,000
	Timber Piling (Treated)	7,420	LNFT	20.00	\$148,400	\$37,100	\$185,500
	Miscellaneous Metals	150,000	LBS	2.00	\$300,000	\$75,000	\$375,000
050062--	Approach Walls						
	Upper and Lower						
	Timber Fenders (Plastic)	48,000	LNFT	120.00	\$5,760,000	\$1,440,000	\$7,200,000
	Timber Piling (100' Treated)	142,800	LNFT	32.00	\$4,569,600	\$1,142,400	\$5,712,000
	Handrail	2,200	LNFT	30.00	\$66,000	\$16,500	\$82,500
	36" Riprap	34,900	TONS	18.00	\$628,200	\$157,050	\$785,250
	12" Bedding Material	7,800	CUYD	35.00	\$273,000	\$68,250	\$341,250
	Filter Fabric	23,300	SQYD	2.50	\$58,250	\$14,563	\$72,813
	Subtotal Page 2				\$30,670,100	\$7,667,525	\$38,337,625

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
050063--	Lock Structure						
	Gate Bay -						
	Reinforced Concrete						
	Base Slab	21,100	CUYD	180.00	\$3,798,000	\$949,500	\$4,747,500
	Walls	8,500	CUYD	280.00	\$2,380,000	\$595,000	\$2,975,000
	Walkway	160	CUYD	130.00	\$20,800	\$5,200	\$26,000
	Unreinforced Concrete						
	Stabilization Slab	730	CUYD	70.00	\$51,100	\$12,775	\$63,875
	Miscellaneous Metalwork						
	Handrail	1,620	LNFT	30.00	\$48,600	\$12,150	\$60,750
	Miscellaneous	74,000	LBS	2.50	\$185,000	\$46,250	\$231,250
	Special Construction						
	Instrumentation	LS	---	20,000.00	\$20,000	\$5,000	\$25,000
	Control House (Pre-fabricated)	2	EACH	50,000.00	\$100,000	\$25,000	\$125,000
	Chamber -						
	Reinforced Concrete						
	Walls	10,800	CUYD	280.00	\$3,024,000	\$756,000	\$3,780,000
	Slab	26,900	CUYD	180.00	\$4,842,000	\$1,210,500	\$6,052,500
	Walkway	360		130.00	\$46,800	\$11,700	\$58,500
	Unreinforced Concrete						
	Stabilization Slab	1,800	CUYD	70.00	\$126,000	\$31,500	\$157,500
	Miscellaneous Metalwork						
	Handrails	4,800	LNFT	30.00	\$144,000	\$36,000	\$180,000
050066--	Electrical						
	Miscellaneous Systems						
	Power and Lighting	LS	----	850,000.00	\$850,000	\$212,500	\$1,062,500
	Emergency Generator	1	EACH	200,000.00	\$200,000	\$50,000	\$250,000
050099--	Associated General Items						
	Site Work						
	Gages	2	EACH	500.00	\$1,000	\$250	\$1,250
	Seeding, Fertilizing and Mulching	34	ACRE	1,500.00	\$51,000	\$12,750	\$63,750
0900----	Channels and Canals						
	Site Work						
	Mobilization and Demobilization						
	Mechanical Dredging Only	LS	---	\$125,000.00	\$125,000	\$31,250	\$156,250
	Atchafalaya Basin						
	East Access Channel						
	5000' with Section El. -7' x 80'	1,080,000	CUYD	\$2.60	\$2,808,000	\$702,000	\$3,510,000
	Subtotal Page 3				\$18,821,300	\$4,705,325	\$23,526,625

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
11-----	LEVEE AND FLOODWALLS						
1101---	Levees						
110103--	Care and Diversion of Water						
11010302	Site Work						
	Erosion Protection Hay Bales and Screen	7,000	LNFT	2.50	\$17,500	\$4,375	\$21,875
110104--	Permanent Access						
11010402	Site Work						
	Road Surfacing	730	CUYD	35.00	\$25,550	\$6,388	\$31,938
110199--	Associated General Items						
11019902	Site Work						
	Clearing and Grubbing						
	Borrow Area	38	ACRE	2,500.00	\$95,000	\$23,750	\$118,750
	Levee	16	ACRE	500.00	\$8,000	\$2,000	\$10,000
	Excavation and Embankment						
	Embankment						
	Fully Compacted	36,600	CUYD	3.50	\$128,100	\$32,025	\$160,125
	Semicompacted	301,000	CUYD	3.00	\$903,000	\$225,750	\$1,128,750
	Seeding, Fertilizing and Mulching	15	ACRE	1,500.00	\$22,500	\$5,625	\$28,125
	Fencing	1,500	LNFT	4.00	\$6,000	\$1,500	\$7,500
1102---	Floodwalls						
110203--	Care and Diversion of Water						
11020302	Site Work						
	Erosion Protection Hay Bales and Screen	6,800	LNFT	2.50	\$17,000	\$4,250	\$21,250
110204--	Permanent Access						
11020402	Site Work						
	Clearing and Grubbing	2	ACRE	2,500.00	\$5,000	\$1,250	\$6,250
	Road Surfacing	280	CUYD	35.00	\$9,800	\$2,450	\$12,250
	Subtotal Page 4				\$1,237,450	\$309,363	\$1,546,813

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
110299 -	Associated General Items						
11029902	Site Work						
	T-wall						
	PZ-22 Steel Sheet Piling	820	SQFT	12.50	\$10,250	\$2,563	\$12,813
	Special T-Type Sheet Piling for Slip Joints	75	SQFT	13.50	\$1,013	\$253	\$1,266
	Paint Sheet Pile	1,640	SQFT	2.00	\$3,280	\$820	\$4,100
	14 X 14 PPC - Piling	3,200	LNFT	24.00	\$76,800	\$19,200	\$96,000
	Unreinforced Concrete Stabilization Slab	12	CUYD	70.00	\$840	\$210	\$1,050
	Reinforced Concrete Walls	70	CUYD	330.00	\$23,100	\$5,775	\$28,875
	Slab	60	CUYD	200.00	\$12,000	\$3,000	\$15,000
	Waterstops						
	3Bulb Waterstops	30	LNFT	10.00	\$300	\$75	\$375
	Expansion Joint Filler Material	90	SQFT	3.00	\$270	\$68	\$338
	Neoprene Sheets	95	SQFT	50.00	\$4,750	\$1,188	\$5,938
	I-wall						
	PZ-27 Steel Sheet Piling	15,650	SQFT	15.00	\$234,750	\$58,688	\$293,438
	Paint Sheet Pile	31,300	SQFT	2.00	\$62,600	\$15,650	\$78,250
	Cut Sheet Pile	630	LNFT	2.50	\$1,575	\$394	\$1,969
	Excavation and Embankment						
	Structural Excavation	240	CUYD	8.00	\$1,920	\$480	\$2,400
	Backfill - Fully Compacted	120	CUYD	10.00	\$1,200	\$300	\$1,500
	Unreinforced Concrete Stabilization Slab	25	CUYD	70.00	\$1,750	\$438	\$2,188
	Reinforced Concrete Cap Walls	510	CUYD	300.00	\$153,000	\$38,250	\$191,250
	Waterstops						
	L-Type Waterstop Material	35	LNFT	35.00	\$1,225	\$306	\$1,531
	3Bulb Waterstops	180	LNFT	10.00	\$1,800	\$450	\$2,250
	Expansion Joint Filler Material	360	SQFT	3.00	\$1,080	\$270	\$1,350
	Seeding, Fertilizing and Mulching	2	ACRE	1,500.00	\$3,000	\$750	\$3,750
	Subtotal Page 5				\$596,503	\$149,126	\$745,628
TOTAL					\$57,653,008	\$14,413,252	\$72,066,259

**CONSTRUCTION COST ESTIMATE FOR
110-FOOT BY 1200-FOOT
EARTHEN-CHAMBER LOCK ALTERNATIVE**

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	COST
05-----	LOCKS (110' X 1200')						
	PHASE I EARTHEN CHAMBER WITH T-WALLS						
	Mob and Demob	LS	-----	\$150,000.00	\$150,000.00	\$37,500.00	\$187,500.00
0500010--	Earthwork for Structure						
	Site Work (Excavation)						
	Clearing and Grubbing	39	ACRE	\$2,500.00	\$97,500.00	\$24,375.00	\$121,875.00
	Structural Excavation	531000	CUYD	\$2.50	\$1,327,500.00	\$331,875.00	\$1,659,375.00
	Site Work (Backfill)						
	Backfill - Semicompacted	450000	CUYD	\$3.00	\$1,350,000.00	\$337,500.00	\$1,687,500.00
	Backfill - Uncompacted	323000	CUYD	\$2.00	\$646,000.00	\$161,500.00	\$807,500.00
	Seeding, Fertilizing and Mulching	39	ACRE	\$1,500.00	\$58,500.00	\$14,625.00	\$73,125.00
11-----	LEVEE AND FLOODWALLS						
1101--	Levees						
110103--	Care and Diversion of Water						
11010302	Site Work						
	Erosion Protection						
	Hay Bales and Screen	7000	LNFT	\$2.50	\$17,500.00	\$4,375.00	\$21,875.00
110104--	Permanent Access						
11010402	Site Work						
	Road Surfacing	730	CUYD	\$35.00	\$25,550.00	\$6,387.50	\$31,937.50
110199--	Associated General Items						
11019902	Site Work						
	Clearing and Grubbing						
	Borrow Area	38	ACRE	\$2,500.00	\$95,000.00	\$23,750.00	\$118,750.00
	Levee	16	ACRE	\$500.00	\$8,000.00	\$2,000.00	\$10,000.00
	Excavation and Embankment						
	Embankment						
	Fully Compacted	301000	CUYD	\$3.00	\$903,000.00	\$225,750.00	\$1,128,750.00
	Semicompacted	6000	CUYD	\$3.50	\$21,000.00	\$5,250.00	\$26,250.00
	Seeding, Fertilizing and Mulching	15	ACRE	\$1,500.00	\$22,500.00	\$5,625.00	\$28,125.00
	Subtotal Page 1				\$4,722,050.00	\$1,180,512.50	\$5,902,562.50
TOTAL					\$4,722,050.00	\$1,180,512.50	\$5,902,562.50

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
05-----	LOCKS (110' X 1200')						
	PHASE II EARTHEN CHAMBER WITH T-WALLS						
	Mob and Demob	LS	---	\$250,000.00	\$250,000	\$62,500	\$312,500
050003--	Care and Diversion of Water						
	Site Work (Cofferdam)						
	Clearing and Grubbing	6	ACRE	\$2,500.00	\$15,000	\$3,750	\$18,750
	Backfill - Semicompacted	16,000	CUYD	\$3.00	\$48,000	\$12,000	\$60,000
	Seeding, Fertilizing and Mulching	6	ACRE	\$1,500.00	\$9,000	\$2,250	\$11,250
	Dewatering System	LS	---	\$3,100,000.00	\$3,100,000	\$775,000	\$3,875,000
	Cofferdam Removal	16,000	CUYD	\$2.00	\$32,000	\$8,000	\$40,000
050004--	Permanent Access						
	Site Work						
	Road Surfacing	140	CUYD	\$35.00	\$4,900	\$1,225	\$6,125
050009--	Operations Building						
	Site Work						
	Clearing and Grubbing	0.50	ACRE	\$2,500.00	\$1,250	\$313	\$1,563
	Structural Excavation	1,550	CUYD	\$2.50	\$3,875	\$969	\$4,844
	Backfill - Semicompacted	1,330	CUYD	\$3.00	\$3,990	\$998	\$4,988
	14 X 14 PPC - Piling	2,340	LNFT	\$24.00	\$56,160	\$14,040	\$70,200
	Reinforced Concrete						
	Base Slab	180	CUYD	\$200.00	\$36,000	\$9,000	\$45,000
	Unreinforced Concrete						
	Stabilization Slab	14	CUYD	\$70.00	\$980	\$245	\$1,225
	Metals						
	Pre-engineered Building	4,400	SQFT	\$40.00	\$176,000	\$44,000	\$220,000
	Mechanical						
	Miscellaneous Systems	LS	---	\$20,000.00	\$20,000	\$5,000	\$25,000
	Electrical						
	Miscellaneous Systems	LS	---	\$100,000.00	\$100,000	\$25,000	\$125,000
0500010--	Earthwork for Structure						
	Site Work (Excavation)						
	Clearing	8	ACRE	\$500.00	\$4,000	\$1,000	\$5,000
	Structural Excavation	34,000	CUYD	\$2.50	\$85,000	\$21,250	\$106,250
	Site Work (Backfill)						
	Backfill - Fully Compacted	15,000	CUYD	\$3.00	\$45,000	\$11,250	\$56,250
	Subtotal Page 1				\$3,991,155	\$997,789	\$4,988,944

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	Site Work (Riprap)						
	36" Riprap	126,700	TONS	\$18.00	\$2,280,600	\$570,150	\$2,850,750
	12" Bedding Material	27,900	CUYD	\$35.00	\$976,500	\$244,125	\$1,220,625
	Filter Fabric	83,700	SQYD	\$2.50	\$209,250	\$52,313	\$261,563
050011--	Foundation Work						
	Gate Bay						
	PZ-22 Steel Sheet Piling	13,500	SQFT	\$12.50	\$168,750	\$42,188	\$210,938
	14 X 14 PPC - Piling	94,500	LNFT	\$24.00	\$2,268,000	\$567,000	\$2,835,000
	T-Wall						
	12"X12" PPC-Piling	100,320	LNFT	\$20.00	\$2,006,400	\$501,600	\$2,508,000
	PZ-22 Steel Sheet Piling	83,300	SQFT	\$12.50	\$1,041,250	\$260,313	\$1,301,563
	Pile Tests	4	EACH	\$20,000.00	\$80,000	\$20,000	\$100,000
050029--	Approach Channels						
	Site Work						
	Mobilization and Demobilization						
	Hydraulic Dredging Only	LS	---	\$250,000.00	\$250,000	\$62,500	\$312,500
	New Lock Tailbay Channel						
	3250' with Section El. -12' x 125'	410,000	CUYD	\$2.20	\$902,000	\$225,500	\$1,127,500
	New Lock Forebay Channel						
	5000' with Section El. -12' x 125'						
	Hydraulic Dredge	230,000	CUYD	\$2.65	\$609,500	\$152,375	\$761,875
	Mechanical Dredge	600,000	CUYD	\$3.25	\$1,950,000	\$487,500	\$2,437,500
050057--	Gates and Associated Items						
	Sector Gates						
	Structural Steel	1,480,000	LBS	\$2.50	\$3,700,000	\$925,000	\$4,625,000
	Rubber Seals	650	LNFT	\$40.00	\$26,000	\$6,500	\$32,500
	Needle Dam						
	Structural Steel						
	Girders	150,000	LBS	\$2.00	\$300,000	\$75,000	\$375,000
	Needles	150,000	LBS	\$2.00	\$300,000	\$75,000	\$375,000
	Storage						
	14 X 14 PPC - Piling	1,500	LNFT	\$24.00	\$36,000	\$9,000	\$45,000
	Reinforced Concrete	75	CUYD	\$200.00	\$15,000	\$3,750	\$18,750
	Mechanical						
	Operating Machinery	LS	---	\$800,000.00	\$800,000	\$200,000	\$1,000,000
050061--	Guard Dolphins						
	Upper and Lower						
	PS-28 Steel Sheet Piling	48,700	SQFT	\$22.00	\$1,071,400	\$267,850	\$1,339,250
	Gravel Fill	3,000	CUYD	\$22.00	\$66,000	\$16,500	\$82,500
	Concrete	2,400	CUYD	\$250.00	\$600,000	\$150,000	\$750,000
	Timber Piling (Treated)	7,420	LNFT	\$20.00	\$148,400	\$37,100	\$185,500
	Miscellaneous Metals	150,000	LBS	\$2.00	\$300,000	\$75,000	\$375,000
	Subtotal Page 2				\$20,105,050	\$5,026,263	\$25,131,313

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
050062 - -	Approach Walls						
	Upper and Lower						
	Timber Fenders (Plastic)	48,000	LNFT	\$120.00	\$5,760,000	\$1,440,000	\$7,200,000
	Timber Piling (100' Treated)	142,800	LNFT	\$32.00	\$4,569,600	\$1,142,400	\$5,712,000
	Handrail	2,200	LNFT	\$30.00	\$66,000	\$16,500	\$82,500
	36" Riprap	34,900	TONS	\$18.00	\$628,200	\$157,050	\$785,250
	12" Bedding Material	7,800	CUYD	\$35.00	\$273,000	\$68,250	\$341,250
	Filter Fabric	23,300	SQYD	\$2.50	\$58,250	\$14,563	\$72,813
050063 - -	Lock Structure						
	Gate Bay -						
	Reinforced Concrete						
	Base Slab	21,100	CUYD	\$180.00	\$3,798,000	\$949,500	\$4,747,500
	Walls	8,500	CUYD	\$280.00	\$2,380,000	\$595,000	\$2,975,000
	Walkway	160	CUYD	\$130.00	\$20,800	\$5,200	\$26,000
	Unreinforced Concrete						
	Stabilization Slab	730	CUYD	\$70.00	\$51,100	\$12,775	\$63,875
	Miscellaneous Metalwork						
	Handrail	1,620	LNFT	\$30.00	\$48,600	\$12,150	\$60,750
	36" Mooring Cleat	8	EACH	\$500.00	\$4,000	\$1,000	\$5,000
	Special Construction						
	Instrumentation	LS	---	\$20,000.00	\$20,000	\$5,000	\$25,000
	Control House (Pre-fabricated)	2	EACH	\$50,000.00	\$100,000	\$25,000	\$125,000
	Chamber -						
	Timber Lock Walls						
	Timber Fenders (Plastic)	36,000	LNFT	\$120.00	\$4,320,000	\$1,080,000	\$5,400,000
	Timber Piling (100' Treated)	120,800	LNFT	\$32.00	\$3,865,600	\$966,400	\$4,832,000
	Miscellaneous Metalwork						
	Handrail	4,800	LNFT	\$30.00	\$144,000	\$36,000	\$180,000
	36" Mooring Cleat	86	EACH	\$500.00	\$43,000	\$10,750	\$53,750
	T-Wall -						
	Reinforced Concrete						
	Base Slab	3,020	CUYD	\$200.00	\$604,000	\$151,000	\$755,000
	Walls	1,950	CUYD	\$330.00	\$643,500	\$160,875	\$804,375
	Unreinforced Concrete						
	Stabilization Slab	410	CUYD	\$70.00	\$28,700	\$7,175	\$35,875
	Misc. Items						
	3-Bulb Waterstop	2,735	LNFT	\$10.00	\$27,350	\$6,838	\$34,188
	Expansion Joint Filler	5,200	SQFT	\$3.00	\$15,600	\$3,900	\$19,500
050066 - -	Electrical						
	Miscellaneous Systems						
	Subtotal Page 3				\$27,469,300	\$6,867,325	\$34,336,625

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	Power and Lighting	LS	-----	\$850,000.00	\$850,000	\$212,500	\$1,062,500
	Emergency Generator	1	EACH	\$200,000.00	\$200,000	\$50,000	\$250,000
050099--	Associated General Items						
	Site Work						
	Gages	2	EACH	\$500.00	\$1,000	\$250	\$1,250
	Seeding, Fertilizing and Mulching	8	ACRE	\$1,500.00	\$12,000	\$3,000	\$15,000
0900----	Channels and Canals						
	Site Work						
	Mobilization and Demobilization						
	Mechanical Dredging Only	LS	-----	\$125,000.00	\$125,000	\$31,250	\$156,250
	Atchafalaya Basin						
	East Access Channel						
	5000' with Section El. -7' x 80'	1,080,000	CUYD	\$2.60	\$2,808,000	\$702,000	\$3,510,000
11-----	LEVEE AND FLOODWALLS						
1102----	Floodwalls						
110203--	Care and Diversion of Water						
11020302	Site Work						
	Erosion Protection						
	Hay Bales and Screen	6,800	LNFT	\$2.50	\$17,000	\$4,250	\$21,250
110204--	Permanent Access						
11020402	Site Work						
	Clearing and Grubbing	2	ACRE	\$2,500.00	\$5,000	\$1,250	\$6,250
	Road Surfacing	120	CUYD	\$35.00	\$4,200	\$1,050	\$5,250
110299--	Associated General Items						
11029902	Site Work						
	T-wall						
	PZ-22 Steel Sheet Piling	820	SQFT	\$12.50	\$10,250	\$2,563	\$12,813
	Special T-Type Sheet Piling						
	for Slip Joints	75	SQFT	\$13.50	\$1,013	\$253	\$1,266
	Paint Sheet Pile	1,640	SQFT	\$2.00	\$3,280	\$820	\$4,100
	14 X 14 PPC - Piling	3,200	LNFT	\$24.00	\$76,800	\$19,200	\$96,000
	Unreinforced Concrete						
	Stabilization Slab	12	CUYD	\$70.00	\$840	\$210	\$1,050
	Subtotal Page 4				\$4,114,383	\$1,028,596	\$5,142,978

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	Reinforced Concrete						
	Walls	60	CUYD	\$330.00	\$19,800	\$4,950	\$24,750
	Slab	70	CUYD	\$200.00	\$14,000	\$3,500	\$17,500
	Waterstops						
	3Bulb Waterstops	30	LNFT	\$10.00	\$300	\$75	\$375
	Expansion Joint Filler Material	90	SQFT	\$3.00	\$270	\$68	\$338
	Neoprene Sheets	95	SQFT	\$50.00	\$4,750	\$1,188	\$5,938
	I-wall						
	PZ-27 Steel Sheet Piling	6,750	SQFT	\$15.00	\$101,250	\$25,313	\$126,563
	Paint Sheet Pile	13,500	SQFT	\$2.00	\$27,000	\$6,750	\$33,750
	Cut Sheet Pile	270	LNFT	\$2.50	\$675	\$169	\$844
	Excavation and Embankment						
	Structural Excavation	100	CUYD	\$8.00	\$800	\$200	\$1,000
	Backfill - Fully Compacted	50	CUYD	\$10.00	\$500	\$125	\$625
	Unreinforced Concrete						
	Stabilization Slab	10	CUYD	\$70.00	\$700	\$175	\$875
	Reinforced Concrete Cap						
	Walls	220	CUYD	\$300.00	\$66,000	\$16,500	\$82,500
	Waterstops						
	L-Type Waterstop Material	35	LNFT	\$35.00	\$1,225	\$306	\$1,531
	3Bulb Waterstops	70	LNFT	\$10.00	\$700	\$175	\$875
	Expansion Joint Filler Material	140	SQFT	\$3.00	\$420	\$105	\$525
	Seeding, Fertilizing and Mulching	2	ACRE	\$1,500.00	\$3,000	\$750	\$3,750
	Subtotal Page 5				\$241,390	\$60,348	\$301,738
TOTAL					\$55,921,278	\$13,980,319	\$69,901,597

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
05-----	LOCKS (110' X 1200')						
	EARTHEN CHAMBER WITH T-WALLS REDUCED PRELOAD						
	Mob and Demob	LS	-----	\$250,000.00	\$250,000	\$62,500	\$312,500
050003--	Care and Diversion of Water						
	Site Work (Braced Gate Cofferdam)						
	Braced Sheet Piling (PZ-27)	44,160	SQFT	\$20.00	\$883,200	\$220,800	\$1,104,000
	Structural Excavation	137,000	CUYD	\$2.50	\$342,500	\$85,625	\$428,125
	Dewatering System	LS	-----	\$3,100,000.00	\$3,100,000	\$775,000	\$3,875,000
	Open Excavation	48,000	CUYD	\$2.50	\$120,000	\$30,000	\$150,000
	Earthen Dike	2,000	CUYD	\$2.50	\$5,000	\$1,250	\$6,250
050004--	Permanent Access						
	Site Work						
	Road Surfacing	140	CUYD	\$35.00	\$4,900	\$1,225	\$6,125
050009--	Operations Building						
	Site Work						
	Clearing and Grubbing	0.50	ACRE	\$2,500.00	\$1,250	\$313	\$1,563
	Structural Excavation	1,550	CUYD	\$2.50	\$3,875	\$969	\$4,844
	Backfill - Semicompacted	1,330	CUYD	\$3.00	\$3,990	\$998	\$4,988
	14 X 14 PPC - Piling	2,340	LNFT	\$24.00	\$56,160	\$14,040	\$70,200
	Reinforced Concrete						
	Base Slab	180	CUYD	\$200.00	\$36,000	\$9,000	\$45,000
	Unreinforced Concrete						
	Stabilization Slab	14	CUYD	\$70.00	\$980	\$245	\$1,225
	Metals						
	Pre-engineered Building	4,400	SQFT	\$40.00	\$176,000	\$44,000	\$220,000
	Mechanical						
	Miscellaneous Systems	LS	-----	\$20,000.00	\$20,000	\$5,000	\$25,000
	Electrical						
	Miscellaneous Systems	LS	-----	\$100,000.00	\$100,000	\$25,000	\$125,000
0500010--	Earthwork for Structure						
	Site Work (Open Excavation)						
	Clearing & Grubbing	39	ACRE	\$2,500.00	\$97,500	\$24,375	\$121,875
	Structural Excavation	253,000	CUYD	\$2.50	\$632,500	\$158,125	\$790,625
	Seeding & Fertilizing	39	ACRE	\$1,500.00	\$58,500	\$14,625	\$73,125
	Site Work (Backfill)						
	Backfill - Semicompacted	207,000	CUYD	\$3.00	\$621,000	\$155,250	\$776,250
	Backfill - Uncompacted	23,000	CUYD	\$2.00	\$46,000	\$11,500	\$57,500
	Geotextile (2000 lb/in)	112,000	SQYD	\$14.00	\$1,568,000	\$392,000	\$1,960,000
	Stone Berm	93,500	TONS	\$18.00	\$1,683,000	\$420,750	\$2,103,750
	Subtotal Page 1				\$9,810,355	\$2,452,589	\$12,262,944

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	Site Work (T-Wall)						
	Clearing	8	ACRE	\$500.00	\$4,000	\$1,000	\$5,000
	Structural Excavation	34,000	CUYD	\$2.50	\$85,000	\$21,250	\$106,250
	Site Work (Backfill)						
	Backfill - Fully Compacted	15,000	CUYD	\$3.50	\$52,500	\$13,125	\$65,625
	Site Work (Drains)						
	Sand Drainage Layer	21,600	CUYD	\$10.00	\$216,000	\$54,000	\$270,000
	Wick Drains	547,400	LNFT	\$0.55	\$301,070	\$75,268	\$376,338
	6" Perf Drainage Pipe	18,200	LNFT	\$1.50	\$27,300	\$6,825	\$34,125
	Site Work (Riprap)						
	36" Riprap	126,700	TONS	\$18.00	\$2,280,600	\$570,150	\$2,850,750
	12" Bedding Material	27,900	CUYD	\$35.00	\$976,500	\$244,125	\$1,220,625
	Filter Fabric	83,700	SQYD	\$2.50	\$209,250	\$52,313	\$261,563
050011--	Foundation Work						
	Gate Bay						
	PZ-22 Steel Sheet Piling	13,500	SQFT	\$12.50	\$168,750	\$42,188	\$210,938
	14 X 14 PPC - Piling	94,500	LNFT	\$24.00	\$2,268,000	\$567,000	\$2,835,000
	T-Wall						
	12"X12" PPC-Piling	72,960	LNFT	\$20.00	\$1,459,200	\$364,800	\$1,824,000
	PZ-22 Steel Sheet Piling	82,620	SQFT	\$12.50	\$1,032,750	\$258,188	\$1,290,938
	Pile Tests	4	EACH	\$20,000.00	\$80,000	\$20,000	\$100,000
050029--	Approach Channels						
	Site Work						
	Mobilization and Demobilization						
	Hydraulic Dredging Only	LS	---	\$250,000.00	\$250,000	\$62,500	\$312,500
	New Lock Tailbay Channel						
	3250' with Section El. -12' x 125'	410,000	CUYD	\$2.20	\$902,000	\$225,500	\$1,127,500
	New Lock Forebay Channel						
	5000' with Section El. -12' x 125'						
	Hydraulic Dredge	230,000	CUYD	\$2.65	\$609,500	\$152,375	\$761,875
	Mechanical Dredge	600,000	CUYD	\$3.25	\$1,950,000	\$487,500	\$2,437,500
050057--	Gates and Associated Items						
	Sector Gates						
	Structural Steel	1,480,000	LBS	\$2.50	\$3,700,000	\$925,000	\$4,625,000
	Rubber Seals	650	LNFT	\$40.00	\$26,000	\$6,500	\$32,500
	Needle Dam						
	Structural Steel						
	Girders	150,000	LBS	\$2.00	\$300,000	\$75,000	\$375,000
	Needles	150,000	LBS	\$2.00	\$300,000	\$75,000	\$375,000
	Storage						
	14 X 14 PPC - Piling	1,500	LNFT	\$24.00	\$36,000	\$9,000	\$45,000
	Reinforced Concrete	75	CUYD	\$200.00	\$15,000	\$3,750	\$18,750
	Mechanical						
	Operating Machinery	LS	---	\$800,000.00	\$800,000	\$200,000	\$1,000,000
	Subtotal Page 2				\$18,049,420	\$4,512,355	\$22,561,775

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
050061--	Guard Dolphins						
	Upper and Lower						
	PS-28 Steel Sheet Piling	48,700	SQFT	\$22.00	\$1,071,400	\$267,850	\$1,339,250
	Gravel Fill	3,000	CUYD	\$22.00	\$66,000	\$16,500	\$82,500
	Concrete	2,400	CUYD	\$250.00	\$600,000	\$150,000	\$750,000
	Timber Piling (Treated)	7,420	LNFT	\$20.00	\$148,400	\$37,100	\$185,500
	Miscellaneous Metals	150,000	LBS	\$2.00	\$300,000	\$75,000	\$375,000
050062--	Approach Walls						
	Upper and Lower						
	Timber Fenders (Plastic)	48,000	LNFT	\$120.00	\$5,760,000	\$1,440,000	\$7,200,000
	Timber Piling (100' Treated)	142,800	LNFT	\$32.00	\$4,569,600	\$1,142,400	\$5,712,000
	Handrail	2,200	LNFT	\$30.00	\$66,000	\$16,500	\$82,500
	36" Riprap	34,900	TONS	\$18.00	\$628,200	\$157,050	\$785,250
	12" Bedding Material	7,800	CUYD	\$35.00	\$273,000	\$68,250	\$341,250
	Filter Fabric	23,300	SQYD	\$2.50	\$58,250	\$14,563	\$72,813
050063--	Lock Structure						
	Gate Bay -						
	Reinforced Concrete						
	Base Slab	21,100	CUYD	\$180.00	\$3,798,000	\$949,500	\$4,747,500
	Walls	8,500	CUYD	\$280.00	\$2,380,000	\$595,000	\$2,975,000
	Walkway	160	CUYD	\$130.00	\$20,800	\$5,200	\$26,000
	Unreinforced Concrete						
	Stabilization Slab	730	CUYD	\$70.00	\$51,100	\$12,775	\$63,875
	Miscellaneous Metalwork						
	Handrail	1,620	LNFT	\$30.00	\$48,600	\$12,150	\$60,750
	36" Mooring Cleat	8	EACH	\$500.00	\$4,000	\$1,000	\$5,000
	Special Construction						
	Instrumentation	LS	---	\$20,000.00	\$20,000	\$5,000	\$25,000
	Control House (Pre-fabricated)	2	EACH	\$50,000.00	\$100,000	\$25,000	\$125,000
	Chamber -						
	Timber Lock Walls						
	Timber Fenders (Plastic)	36,000	LNFT	\$120.00	\$4,320,000	\$1,080,000	\$5,400,000
	Timber Piling (100' Treated)	120,800	LNFT	\$32.00	\$3,865,600	\$966,400	\$4,832,000
	Miscellaneous Metalwork						
	Handrail	4,800	LNFT	\$30.00	\$144,000	\$36,000	\$180,000
	36" Mooring Cleat	86	EACH	\$500.00	\$43,000	\$10,750	\$53,750
	T-Wall -						
	Reinforced Concrete						
	Base Slab	2,230	CUYD	\$200.00	\$446,000	\$111,500	\$557,500
	Walls	1,420	CUYD	\$330.00	\$468,600	\$117,150	\$585,750
	Subtotal Page 3				\$29,250,550	\$7,312,638	\$36,563,188

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	Unreinforced Concrete Stabilization Slab	300	CUYD	\$70.00	\$21,000	\$5,250	\$26,250
	Misc. Items						
	3-Bulb Waterstop	2,000	LNFT	\$10.00	\$20,000	\$5,000	\$25,000
	Expansion Joint Filler	4,000	SQFT	\$3.00	\$12,000	\$3,000	\$15,000
	Circular Cell Wall						
	PS 27.5 Sheet Pile	207,845	SQFT	\$15.00	\$3,117,675	\$779,419	\$3,897,094
	Excavation	2,500	CUYD	\$2.50	\$6,250	\$1,563	\$7,813
	Backfill - Semicompacted	3,500	CUYD	\$3.00	\$10,500	\$2,625	\$13,125
	Lightweight Aggregate	13,600	CUYD	\$22.00	\$299,200	\$74,800	\$374,000
	2' Concrete Walls	4,300	CUYD	\$330.00	\$1,419,000	\$354,750	\$1,773,750
	1/2" Dia. X 12" studs	9,296	EA	\$5.00	\$46,480	\$11,620	\$58,100
	6" Concrete Cap	400	CUYD	\$300.00	\$120,000	\$30,000	\$150,000
	Compacted Fill (sand)	10,000	CUYD	\$10.00	\$100,000	\$25,000	\$125,000
050066 - -	Electrical						
	Miscellaneous Systems						
	Power and Lighting	LS	-----	\$850,000.00	\$850,000	\$212,500	\$1,062,500
	Emergency Generator	1	EACH	\$200,000.00	\$200,000	\$50,000	\$250,000
050099 - -	Associated General Items						
	Site Work						
	Gages	2	EACH	\$500.00	\$1,000	\$250	\$1,250
	Seeding, Fertilizing and Mulching	8	ACRE	\$1,500.00	\$12,000	\$3,000	\$15,000
0900 - - -	Channels and Canals						
	Site Work						
	Mobilization and Demobilization						
	Mechanical Dredging Only	LS	-----	\$125,000.00	\$125,000	\$31,250	\$156,250
	Atchafalaya Basin						
	East Access Channel						
	5000' with Section El. -7' x 80'	1,080,000	CUYD	\$2.60	\$2,808,000	\$702,000	\$3,510,000
11 - - - - -	LEVEE AND FLOODWALLS						
1101 - - -	Levees						
110103 - -	Care and Diversion of Water						
11010302	Site Work						
	Erosion Protection						
	Hay Bales and Screen	7000	LNFT	\$2.50	\$17,500.00	\$4,375.00	\$21,875.00
110104 - -	Permanent Access						
11010402	Site Work						
	Road Surfacing	730	CUYD	\$35.00	\$25,550.00	\$6,387.50	\$31,937.50
	Subtotal Page 4				\$9,211,155	\$2,302,789	\$11,513,944

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
110199 -	Associated General Items						
11019902	Site Work						
	Clearing and Grubbing						
	Borrow Area	38	ACRE	\$2,500.00	\$95,000.00	\$23,750.00	\$118,750.00
	Levee	16	ACRE	\$500.00	\$8,000.00	\$2,000.00	\$10,000.00
	Excavation and Embankment						
	Embankment						
	Fully Compacted	301000	CUYD	\$3.50	\$1,053,500.00	\$263,375.00	\$1,316,875.00
	Semicompacted	6000	CUYD	\$3.00	\$18,000.00	\$4,500.00	\$22,500.00
	Seeding, Fertilizing and Mulching	15	ACRE	\$1,500.00	\$22,500.00	\$5,625.00	\$28,125.00
1102 - -	Floodwalls						
110203 - -	Care and Diversion of Water						
11020302	Site Work						
	Erosion Protection						
	Hay Bales and Screen	6,800	LNFT	\$2.50	\$17,000	\$4,250	\$21,250
110204 - -	Permanent Access						
11020402	Site Work						
	Clearing and Grubbing	2	ACRE	\$2,500.00	\$5,000	\$1,250	\$6,250
	Road Surfacing	120	CUYD	\$35.00	\$4,200	\$1,050	\$5,250
110299 - -	Associated General Items						
11029902	Site Work						
	T-wall						
	PZ-22 Steel Sheet Piling	820	SQFT	\$12.50	\$10,250	\$2,563	\$12,813
	Special T-Type Sheet Piling						
	for Slip Joints	75	SQFT	\$13.50	\$1,013	\$253	\$1,266
	Paint Sheet Pile	1,640	SQFT	\$2.00	\$3,280	\$820	\$4,100
	14 X 14 PPC - Piling	3,200	LNFT	\$24.00	\$76,800	\$19,200	\$96,000
	Unreinforced Concrete						
	Stabilization Slab	12	CUYD	\$70.00	\$840	\$210	\$1,050
	Reinforced Concrete						
	Walls	60	CUYD	\$330.00	\$19,800	\$4,950	\$24,750
	Slab	70	CUYD	\$200.00	\$14,000	\$3,500	\$17,500
	Waterstops						
	3Bulb Waterstops	30	LNFT	\$10.00	\$300	\$75	\$375
	Expansion Joint Filler Material	90	SQFT	\$3.00	\$270	\$68	\$338
	Neoprene Sheets	95	SQFT	\$50.00	\$4,750	\$1,188	\$5,938
	Subtotal Page 5				\$1,354,503	\$338,626	\$1,693,128

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (110' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	I-wall						
	PZ-27 Steel Sheet Piling	6,750	SQFT	\$15.00	\$101,250	\$25,313	\$126,563
	Paint Sheet Pile	13,500	SQFT	\$2.00	\$27,000	\$6,750	\$33,750
	Cut Sheet Pile	270	LNFT	\$2.50	\$675	\$169	\$844
	Excavation and Embankment						
	Structural Excavation	100	CUYD	\$8.00	\$800	\$200	\$1,000
	Backfill - Fully Compacted	50	CUYD	\$10.00	\$500	\$125	\$625
	Unreinforced Concrete						
	Stabilization Slab	10	CUYD	\$70.00	\$700	\$175	\$875
	Reinforced Concrete Cap						
	Walls	220	CUYD	\$300.00	\$66,000	\$16,500	\$82,500
	Waterstops						
	L-Type Waterstop Material	35	LNFT	\$35.00	\$1,225	\$306	\$1,531
	3Bulb Waterstops	70	LNFT	\$10.00	\$700	\$175	\$875
	Expansion Joint Filler Material	140	SQFT	\$3.00	\$420	\$105	\$525
	Seeding, Fertilizing and Mulching	2	ACRE	\$1,500.00	\$3,000	\$750	\$3,750
	Subtotal Page 6				\$202,270	\$50,568	\$252,838
TOTAL					\$67,878,253	\$16,969,563	\$84,847,816