

**ANNEX 1 – DETAILED CONSTRUCTION COST ESTIMATES
FOR STUDIED ALTERNATIVES**

SUMMARY
CONSTRUCTION COST ESTIMATES FOR
ALL STUDIED ALTERNATIVES

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK STRUCTURE														
ALTERNATIVE NUMBER	ITEM	PROJECT COST	1st YEAR %	AMOUNT	2nd YEAR %	AMOUNT	3rd YEAR %	AMOUNT	4th YEAR %	AMOUNT	5th YEAR %	AMOUNT	6th YEAR %	AMOUNT
1A	LOCKS (110' X 1200') EARTH RING LEVEE CHAMBER Phase I	\$5,902,563	100	\$5,902,563	0	0	0	0	0	0	0	0	0	0
	LOCKS (110' X 1200') EARTH RING LEVEE CHAMBER Phase II TOTAL PHASE I AND II	\$69,901,597 \$75,804,159	0	0	0	0	0	0	30	\$20,970,479	55	\$38,445,878	15	\$10,485,240
1B	LOCKS (110' X 1200') U SHAPED CHAMBER	\$72,066,259	15	\$10,809,939	50	\$36,033,130	35	\$25,223,191	0	0	0	0	0	0
	LOCKS (110' X 1200') EARTH RING LEVEE CHAMBER (DRAINS)	\$84,847,816	25	\$21,211,954	55	\$46,666,295	15	\$12,727,172	5	\$4,242,391	0	0	0	0
4A	LOCKS (75' X 1200') EARTH RING LEVEE CHAMBER Phase I	\$5,410,063	100	\$5,410,063	0	0	0	0	0	0	0	0	0	0
	LOCKS (75' X 1200') EARTH RING LEVEE CHAMBER Phase II TOTAL PHASE I AND II	\$66,860,013 \$72,270,075	0	0	0	0	0	0	30	\$20,058,004	55	\$36,773,007	15	\$10,029,002
4B	LOCKS (75' X 1200') U SHAPED CHAMBER	\$65,077,234	15	\$9,761,585	50	\$32,538,617	35	\$22,777,032	0	0	0	0	0	0
	LOCKS (75' X 1200') EARTH RING LEVEE CHAMBER (DRAINS)	\$81,442,981	25	\$20,360,745	55	\$44,793,640	15	\$12,216,447	5	\$4,072,149	0	0	0	0
ORIGINAL	LOCKS (68' X 770') EARTH RING LEVEE CHAMBER Phase I	\$4,399,813	100	\$4,399,813	0	0	0	0	0	0	0	0	0	0
	LOCKS (68' X 770') EARTH RING LEVEE CHAMBER Phase II TOTAL PHASE I AND II	\$59,131,699 \$63,531,512	0	0	0	0	0	0	30	\$17,739,510	55	\$32,522,435	15	\$8,869,755

Note: 1. Alternative 1A and 4A Locks with Earthen Levee Chambers will be constructed in two phases. Phase I is a earthen prebaid construction will take approximately 365 days. Phase II is all other construction including I-walls, T-walls, Sector Gates, Guide Walls, Rip-rap placement, Buildings and all other miscellaneous work. Phase II will take approximately 912 days, starting 730 days after the prebaid contract is complete. Total construction time for phase I and II will be approximately 2007 days.
 2. Alternative 1B and 4B Locks with U-Shaped Concrete Chambers will be constructed in approximately 1095 days.
 3. Alternative 1C and 4C Locks with Earthen Levee Chambers will be constructed in one phase. Wick drains will be used to reduce construction time. Total construction time will be approximately 1277 days.
 4. All times exclude adverse weather days.

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK FLOOD PROTECTION														
ALTERNATIVE NUMBER	ITEM	PROJECT COST	1st YEAR %	AMOUNT	2nd YEAR %	AMOUNT	3rd YEAR %	AMOUNT	4th YEAR %	AMOUNT	5th YEAR %	AMOUNT	6th YEAR %	AMOUNT
5A	FLOOD IN FLOOD PROTECTION OF EXISTING LOCK	\$21,758,322	15	\$3,263,748	50	\$10,879,161	35	\$7,615,413	0	0	0	0	0	0

Note: 1. Alternative 5A, a float in sector gate structure that provides flood protection in front of the existing lock, will require approximately 940 days to construct with 60 days of total shutdown and 490 days of partial shutdown (8 hrs/day).
 2. All times exclude adverse weather days.

**CONSTRUCTION COST ESTIMATE FOR SELECTED
PLAN
75-FOOT BY 1200-FOOT CONCRETE U-FRAME LOCK**

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
05-----	LOCKS (75' 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	53,900	CUYD	\$3.00	\$161,700	\$40,425	\$202,125
	Seeding, Fertilizing and Mulching	3	ACRE	\$1,500.00	\$4,500	\$1,125	\$5,625
	Dewatering System	LS	-----	\$3,800,000.00	\$3,800,000	\$950,000	\$4,750,000
	Cofferdam Removal	53,900	CUYD	\$2.00	\$107,800	\$26,950	\$134,750
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	38	ACRE	\$2,500.00	\$95,000	\$23,750	\$118,750
	Structural Excavation	310,000	CUYD	\$2.50	\$775,000	\$193,750	\$968,750
	Site Work (Backfill)						
	Backfill - Semicompacted	160,000	CUYD	\$3.00	\$480,000	\$120,000	\$600,000
	Subtotal Page 1				\$6,077,155	\$1,519,289	\$7,596,444

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
050011--	Foundation Work						
	Gate Bay						
	PZ-22 Steel Sheet Piling	11,900	SQFT	\$12.50	\$148,750	\$37,188	\$185,938
	14 X 14 PPC - Piling Chamber	86,700	LNFT	\$24.00	\$2,080,800	\$520,200	\$2,601,000
	14 x 14 PPC - Piling	170,000	LNFT	\$24.00	\$4,080,000	\$1,020,000	\$5,100,000
	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	1,024,500	LBS	\$2.50	\$2,561,250	\$640,313	\$3,201,563
	Rubber Seals	560	LNFT	\$40.00	\$22,400	\$5,600	\$28,000
	Needle Dam						
	Structural Steel						
	Girders	120,000	LBS	\$2.00	\$240,000	\$60,000	\$300,000
	Needles	107,000	LBS	\$2.00	\$214,000	\$53,500	\$267,500
	Storage						
	14 X 14 PPC - Piling	1,100	LNFT	\$24.00	\$26,400	\$6,600	\$33,000
	Reinforced Concrete	60	CUYD	\$200.00	\$12,000	\$3,000	\$15,000
	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	33,700	TONS	\$18.00	\$606,600	\$151,650	\$758,250
	12" Bedding Material	7,500	CUYD	\$35.00	\$262,500	\$65,625	\$328,125
	Filter Fabric	22,500	SQYD	\$2.50	\$56,250	\$14,063	\$70,313
	Subtotal Page 2				\$27,447,850	\$6,861,963	\$34,309,813

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
050063 - -	Lock Structure						
	Gate Bays						
	Reinforced Concrete						
	Base Slab	18,400	CUYD	\$180.00	\$3,312,000	\$828,000	\$4,140,000
	Walls	7,800	CUYD	\$280.00	\$2,184,000	\$546,000	\$2,730,000
	Walkway	150	CUYD	\$130.00	\$19,500	\$4,875	\$24,375
	Unreinforced Concrete						
	Stabilization Slab	310	CUYD	\$70.00	\$21,700	\$5,425	\$27,125
	Miscellaneous Metalwork						
	Handrail	1,380	LNFT	\$30.00	\$41,400	\$10,350	\$51,750
	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	19,200	CUYD	\$180.00	\$3,456,000	\$864,000	\$4,320,000
	walkway	360		\$130.00	\$46,800	\$11,700	\$58,500
	Unreinforced Concrete						
	Stabilization Slab	1,275	CUYD	\$70.00	\$89,250	\$22,313	\$111,563
	Miscellaneous Metalwork						
	Handrail	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	33	ACRE	\$1,500.00	\$49,500	\$12,375	\$61,875
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				\$16,677,150	\$4,169,288	\$20,846,438

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

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	723	CUYD	\$35.00	\$25,305	\$6,326	\$31,631
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				\$1,237,205	\$309,301	\$1,546,506

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

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	LNFT	\$3.00	\$270	\$68	\$338
	Neoprene Sheets	95	SQFT	\$50.00	\$4,750	\$1,188	\$5,938
	I-wall						
	PZ-27 Steel Sheet Piling	16,525	SQFT	\$15.00	\$247,875	\$61,969	\$309,844
	Paint Sheet Pile	33,050	SQFT	\$2.00	\$66,100	\$16,525	\$82,625
	Cut Sheet Pile	670	LNFT	\$2.50	\$1,675	\$419	\$2,094
	Excavation and Embankment Structural Excavation	250	CUYD	\$8.00	\$2,000	\$500	\$2,500
	Backfill - Fully Compacted	125	CUYD	\$10.00	\$1,250	\$313	\$1,563
	Unreinforced Concrete Stabilization Slab	26	CUYD	\$70.00	\$1,820	\$455	\$2,275
	Reinforced Concrete Cap Walls	540	CUYD	\$300.00	\$162,000	\$40,500	\$202,500
	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	LNFT	\$3.00	\$1,080	\$270	\$1,350
	Seeding, Fertilizing and Mulching	2	ACRE	\$1,500.00	\$3,000	\$750	\$3,750
	Subtotal Page 5				\$622,428	\$155,607	\$778,034
TOTAL					\$52,061,788	\$13,015,447	\$65,077,234

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

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
05-----	LOCKS (75' X 1200')						
	PHASE I EARTHEN CHAMBER WITH T-WALLS						
	Mob and Demob	LS	---	\$150,000.00	\$150,000	\$37,500	\$187,500
0500010--	Earthwork for Structure						
	Site Work (Excavation)						
	Clearing and Grubbing	33	ACRE	\$2,500.00	\$82,500	\$20,625	\$103,125
	Structural Excavation	432,000	CUYD	\$2.50	\$1,080,000	\$270,000	\$1,350,000
	Site Work (Backfill)						
	Backfill - Semicompacted	440,000	CUYD	\$3.00	\$1,320,000	\$330,000	\$1,650,000
	Backfill - Uncompacted	270,000	CUYD	\$2.00	\$540,000	\$135,000	\$675,000
	Seeding, Fertilizing and Mulching	33	ACRE	\$1,500.00	\$49,500	\$12,375	\$61,875
11-----	LEVEE AND FLOODWALLS						
1101---	Levees						
110103--	Care and Diversion of Water						
11010302	Site Work						
	Erosion Protection						
	Hay Bales and Screen	6,800	LNFT	\$2.50	\$17,000	\$4,250	\$21,250
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	301,000	CUYD	\$3.00	\$903,000	\$225,750	\$1,128,750
	Semicompacted	10,000	CUYD	\$3.50	\$35,000	\$8,750	\$43,750
	Seeding, Fertilizing and Mulching	15	ACRE	\$1,500.00	\$22,500	\$5,625	\$28,125
	Subtotal Page 1				\$4,328,050	\$1,082,013	\$5,410,063
TOTAL					\$4,328,050	\$1,082,013	\$5,410,063

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 1

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
05-----	LOCKS (75' 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 (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	8	ACRE	\$2,500.00	\$20,000	\$5,000	\$25,000
	Structural Excavation	33,000	CUYD	\$2.50	\$82,500	\$20,625	\$103,125
	Subtotal Page 1				\$3,959,655	\$989,914	\$4,949,569

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	Site Work (Backfill) Backfill - Semicompacted	15,000	CUYD	\$3.00	\$45,000	\$11,250	\$56,250
	Site Work (Riprap) 36" Riprap	121,400	TONS	\$18.00	\$2,185,200	\$546,300	\$2,731,500
	12" Bedding Material	27,000	CUYD	\$35.00	\$945,000	\$236,250	\$1,181,250
	Filter Fabric	81,000	SQYD	\$2.50	\$202,500	\$50,625	\$253,125
050011--	Foundation Work						
	Gate Bay						
	PZ-22 Steel Sheet Piling	11,900	SQFT	\$12.50	\$148,750	\$37,188	\$185,938
	14 X 14 PPC - Piling	86,700	LNFT	\$24.00	\$2,080,800	\$520,200	\$2,601,000
	T-Wall						
	12"X12" PPC-Piling (76')	97,500	LNFT	\$20.00	\$1,950,000	\$487,500	\$2,437,500
	PZ-22 Steel Sheet Piling	82,000	SQFT	\$12.50	\$1,025,000	\$256,250	\$1,281,250
	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	1,024,500	LBS	\$2.50	\$2,561,250	\$640,313	\$3,201,563
	Rubber Seals	560	LNFT	\$40.00	\$22,400	\$5,600	\$28,000
	Needle Dam						
	Structural Steel						
	Girders	120,000	LBS	\$2.00	\$240,000	\$60,000	\$300,000
	Needles	107,000	LBS	\$2.00	\$214,000	\$53,500	\$267,500
	Storage						
	14 X 14 PPC - Piling	1,100	LNFT	\$24.00	\$26,400	\$6,600	\$33,000
	Reinforced Concrete	60	CUYD	\$200.00	\$12,000	\$3,000	\$15,000
	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				\$18,435,600	\$4,608,900	\$23,044,500

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 3

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	33,700	TONS	\$18.00	\$606,600	\$151,650	\$758,250
	12" Bedding Material	7,800	CUYD	\$35.00	\$273,000	\$68,250	\$341,250
	Filter Fabric	22,500	SQYD	\$2.50	\$56,250	\$14,063	\$70,313
050063--	Lock Structure						
	Gate Bay						
	Reinforced Concrete						
	Base Slab	18,400	CUYD	\$180.00	\$3,312,000	\$828,000	\$4,140,000
	Walls	7,800	CUYD	\$280.00	\$2,184,000	\$546,000	\$2,730,000
	Walkway	150	CUYD	\$130.00	\$19,500	\$4,875	\$24,375
	Unreinforced Concrete						
	Stabilization Slab	310	CUYD	\$70.00	\$21,700	\$5,425	\$27,125
	Miscellaneous Metalwork						
	Handrail	1,380	LNFT	\$30.00	\$41,400	\$10,350	\$51,750
	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	3,000	CUYD	\$200.00	\$600,000	\$150,000	\$750,000
	Walls	1,900	CUYD	\$330.00	\$627,000	\$156,750	\$783,750
	Unreinforced Concrete						
	Stabilization Slab	390	CUYD	\$70.00	\$27,300	\$6,825	\$34,125
	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						
	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
	Subtotal Page 3				\$27,753,900	\$6,938,475	\$34,692,375

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 4

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
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	276	CUYD	\$35.00	\$9,660	\$2,415	\$12,075
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
	Subtotal Page 4				\$3,104,943	\$776,236	\$3,881,178

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 5

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	Waterstops						
	3Bulb Waterstops	30	LNFT	\$10.00	\$300	\$75	\$375
	Expansion Joint Filler Material	90	LNFT	\$3.00	\$270	\$68	\$338
	Neoprene Sheets	95	SQFT	\$50.00	\$4,750	\$1,188	\$5,938
	I-wall						
	PZ-27 Steel Sheet Piling	7,625	SQFT	\$15.00	\$114,375	\$28,594	\$142,969
	Paint Sheet Pile	15,250	SQFT	\$2.00	\$30,500	\$7,625	\$38,125
	Cut Sheet Pile	305	LNFT	\$2.50	\$763	\$191	\$953
	Excavation and Embankment						
	Structural Excavation	120	CUYD	\$8.00	\$960	\$240	\$1,200
	Backfill - Fully Compacted	60	CUYD	\$10.00	\$600	\$150	\$750
	Unreinforced Concrete						
	Stabilization Slab	15	CUYD	\$70.00	\$1,050	\$263	\$1,313
	Reinforced Concrete Cap						
	Walls	250	CUYD	\$300.00	\$75,000	\$18,750	\$93,750
	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				\$233,913	\$58,478	\$292,391
TOTAL					\$53,488,010	\$13,372,003	\$66,860,013

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 1

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
05-----	LOCKS (75' 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)	40,940	SQFT	\$20.00	\$818,800	\$204,700	\$1,023,500
	Structural Excavation	120,000	CUYD	\$2.50	\$300,000	\$75,000	\$375,000
	Dewatering System	LS	-----	\$3,100,000.00	\$3,100,000	\$775,000	\$3,875,000
	Open Excavation	44,500	CUYD	\$2.50	\$111,250	\$27,813	\$139,063
	Earthen Dike	1,800	CUYD	\$2.50	\$4,500	\$1,125	\$5,625
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 (Open Excavation)						
	Clearing & Grubbing	33	ACRE	\$2,500.00	\$82,500	\$20,625	\$103,125
	Structural Excavation	214,000	CUYD	\$2.50	\$535,000	\$133,750	\$668,750
	Seeding & Fertilizing	33	ACRE	\$1,500.00	\$49,500	\$12,375	\$61,875
	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
	Subtotal Page 1				\$6,321,705	\$1,580,426	\$7,902,131

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 2

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	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
	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 (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 (Riprap)						
	36" Riprap	121,400	TONS	\$18.00	\$2,185,200	\$546,300	\$2,731,500
	12" Bedding Material	27,000	CUYD	\$35.00	\$945,000	\$236,250	\$1,181,250
	Filter Fabric	81,000	SQYD	\$2.50	\$202,500	\$50,625	\$253,125
050011--	Foundation Work						
	Gate Bay						
	PZ-22 Steel Sheet Piling	11,900	SQFT	\$12.50	\$148,750	\$37,188	\$185,938
	14 X 14 PPC - Piling	86,700	LNFT	\$24.00	\$2,080,800	\$520,200	\$2,601,000
	T-Wall						
	12"X12" PPC-Piling (76')	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	1,024,500	LBS	\$2.50	\$2,561,250	\$640,313	\$3,201,563
	Rubber Seals	560	LNFT	\$40.00	\$22,400	\$5,600	\$28,000
	Needle Dam						
	Structural Steel						
	Girders	120,000	LBS	\$2.00	\$240,000	\$60,000	\$300,000
	Needles	107,000	LBS	\$2.00	\$214,000	\$53,500	\$267,500
	Storage						
	14 X 14 PPC - Piling	1,100	LNFT	\$24.00	\$26,400	\$6,600	\$33,000
	Reinforced Concrete	60	CUYD	\$200.00	\$12,000	\$3,000	\$15,000
	Mechanical						
	Operating Machinery	LS	---	\$800,000.00	\$800,000	\$200,000	\$1,000,000
	Subtotal Page 2				\$19,658,620	\$4,914,655	\$24,573,275

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 3

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	33,700	TONS	\$18.00	\$606,600	\$151,650	\$758,250
	12" Bedding Material	7,800	CUYD	\$35.00	\$273,000	\$68,250	\$341,250
	Filter Fabric	22,500	SQYD	\$2.50	\$56,250	\$14,063	\$70,313
050063--	Lock Structure						
	Gate Bay						
	Reinforced Concrete						
	Base Slab	18,400	CUYD	\$180.00	\$3,312,000	\$828,000	\$4,140,000
	Walls	7,800	CUYD	\$280.00	\$2,184,000	\$546,000	\$2,730,000
	Walkway	150	CUYD	\$130.00	\$19,500	\$4,875	\$24,375
	Unreinforced Concrete						
	Stabilization Slab	310	CUYD	\$70.00	\$21,700	\$5,425	\$27,125
	Miscellaneous Metalwork						
	Handrail	1,380	LNFT	\$30.00	\$41,400	\$10,350	\$51,750
	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
	Unreinforced Concrete						
	Stabilization Slab	300	CUYD	\$70.00	\$21,000	\$5,250	\$26,250
	Subtotal Page 3				\$28,528,050	\$7,132,013	\$35,660,063

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

PAGE 4

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	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	6,800	LNFT	\$2.50	\$17,000	\$4,250	\$21,250
110104--	Permanent Access						
11010402	Site Work						
	Road Surfacing	730	CUYD	\$35.00	\$25,550	\$6,388	\$31,938
110199--	Associated General Items						
	Subtotal Page 4				\$9,189,655	\$2,297,414	\$11,487,069

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
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	301,000	CUYD	\$3.00	\$903,000	\$225,750	\$1,128,750
	Semicompacted	10,000	CUYD	\$3.50	\$35,000	\$8,750	\$43,750
	Seeding, Fertilizing and Mulching	15	ACRE	\$1,500.00	\$22,500	\$5,625	\$28,125
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	276	CUYD	\$35.00	\$9,660	\$2,415	\$12,075
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	LNFT	\$3.00	\$270	\$68	\$338
	Neoprene Sheets	95	SQFT	\$50.00	\$4,750	\$1,188	\$5,938
	I-wall						
	Subtotal Page 5				\$1,227,763	\$306,941	\$1,534,703

COST ESTIMATE - GIWW LOCK FEASIBILITY STUDY, BAYOU SORREL LOCK (75' X 1200')

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ACCOUNT CODE	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT	CONTINGENCIES	PROJECT COST
	PZ-27 Steel Sheet Piling	7,625	SQFT	\$15.00	\$114,375	\$28,594	\$142,969
	Paint Sheet Pile	15,250	SQFT	\$2.00	\$30,500	\$7,625	\$38,125
	Cut Sheet Pile	305	LNFT	\$2.50	\$763	\$191	\$953
	Excavation and Embankment						
	Structural Excavation	120	CUYD	\$8.00	\$960	\$240	\$1,200
	Backfill - Fully Compacted	60	CUYD	\$10.00	\$600	\$150	\$750
	Unreinforced Concrete						
	Stabilization Slab	15	CUYD	\$70.00	\$1,050	\$263	\$1,313
	Reinforced Concrete Cap						
	Walls	250	CUYD	\$300.00	\$75,000	\$18,750	\$93,750
	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				\$228,593	\$57,148	\$285,741
TOTAL					\$65,154,385	\$16,288,596	\$81,442,981