** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
01 Lands and Damages					
01_ B Acquisitions					
01_ B.10 Acquisitions - by Government					
01_ B.10. 1 Acquisitions - by Government		10,500	0	10,500	
TOTAL Acquisitions - by Government		10,500	0	10,500	
TOTAL Acquisitions		10,500	0	10,500	
01_ E Appraisal					
01_ E.10 Appraisal by gov't (in-house)					
01_ E.10. 1 Appraisal by gov't (in-house)		10,000	0	10,000	
TOTAL Appraisal by gov't (in-house)		10,000	0	10,000	
TOTAL Appraisal		10,000	0	10,000	
01_ G Temporary Permits/Licenses/ROE					
01_ G.10 by gov't					
01_ G.10. 1 by gov't		1,150	0	1,150	
TOTAL by gov't		1,150	0	1,150	
TOTAL Temporary Permits/Licenses/ROE		1,150	0	1,150	
01_ R Real Estate Payments					
01_ R. 1 Land Payments					
01_ R. 1. A by government		24,000	0	24,000	
TOTAL Land Payments		24,000	0	24,000	
TOTAL Real Estate Payments		24,000	0	24,000	
01_ 51 O and M during Construction					
01_ 51. B Real Estate - Management Service					

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
01_ 51. B. 1 Real Estate - Management Service		2,000	0	2,000	
TOTAL Real Estate - Management Service		2,000	0	2,000	
TOTAL O and M during Construction		2,000	0	2,000	
01_ 99 round off					
01_ 99. 1 round off					
01_ 99. 1. 1 round off		430	0	430	
TOTAL round off		430	0	430	
TOTAL round off		430	0	430	
TOTAL Lands and Damages		48,080	0	48,080	
02 Relocations					
05 LOCKS (75' x 1200')					
05_0001 Mob and Demob		200,000	50,000	250,000	
TOTAL Mob and Demob		200,000	50,000	250,000	
05_0003 Care and Diversion of Water					
05_0003. 1 Site Work (Cofferdam)					
05_0003. 1. 2 Seeding, Fertilizing, and Mulch	3.00 ACR	3,600	900	4,500	1500.00
05_0003. 1. 3 Backfill - Semicompacted	53900 CY	129,360	32,340	161,700	3.00
05_0003. 1. 5 Dewatering System		3,304,348	495,652	3,800,000	
05_0003. 1. 6 Cofferdam Removal	53900 CY	86,240	21,560	107,800	2.00
TOTAL Site Work (Cofferdam)		3,523,548	550,452	4,074,000	
TOTAL Care and Diversion of Water		3,523,548	550,452	4,074,000	
05_0004 Permanent Access					
05_0004. 1 Site Work					
05_0004. 1. 1 Road Surfacing	140.00 CY	3,920	980	4,900	35.00
TOTAL Site Work		3,920	980	4,900	

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
TOTAL Permanent Access		3,920	980	4,900	
05_0009 Operations Building					
05_0009. 1 Site Work					
05_0009. 1. 1 Clearing and Grubbing	0.50 ACR	1,000	250	1,250	2500.00
05_0009. 1. 2 Structural Excavation	1550.00 CY	3,100	775	3,875	2.50
05_0009. 1. 3 Backfill - Semicompacted	1330.00 CY	3,192	798	3,990	3.00
05_0009. 1. 4 14x14 PPC - Piling (60')	2340.00 LF	44,928	11,232	56,160	24.00
TOTAL Site Work		52,220	13,055	65,275	
05_0009. 2 Reinforced Concrete					
05_0009. 2. 1 Base Slab	180.00 CY	28,800	7,200	36,000	200.00
TOTAL Reinforced Concrete		28,800	7,200	36,000	
05_0009. 3 Unreinforced Concrete					
05_0009. 3. 1 Stabilization Slab	14.00 CY	784	196	980	70.00
TOTAL Unreinforced Concrete		784	196	980	
05_0009. 4 Metals					
05_0009. 4. 1 Pre-engineered Building	4400.00 SF	140,800	35,200	176,000	40.00
TOTAL Metals		140,800	35,200	176,000	
05_0009. 5 Mechanical					
05_0009. 5. 1 Miscellaneous Systems		16,000	4,000	20,000	
TOTAL Mechanical		16,000	4,000	20,000	
05_0009. 6 Electrical					
05_0009. 6. 1 Miscellaneous Systems		80,000	20,000	100,000	
TOTAL Electrical		80,000	20,000	100,000	
TOTAL Operations Building		318,604	79,651	398,255	

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
05_0010 Earthwork for Structure					
05_0010. 1 Site Work (Excavation)					
05_0010. 1. 1 Clearing and Grubbing	38.00 ACR	76,000	19,000	95,000	2500.01
05_0010. 1. 3 Structural Excavation	310000 CY	620,000	155,000	775,000	2.50
TOTAL Site Work (Excavation)		696,000	174,000	870,000	
05_0010. 2 Site Work (Backfill)					
05_0010. 2. 1 Backfill - Semicompacted	160000 CY	384,000	96,000	480,000	3.00
TOTAL Site Work (Backfill)		384,000	96,000	480,000	
TOTAL Earthwork for Structure		1,080,000	270,000	1,350,000	
05_0011 Foundation Work					
05_0011. 1 Gate Bay					
05_0011. 1. 1 PZ-22 Steel Sheet Piling	11900 SF	119,000	29,750	148,750	12.50
05_0011. 1. 2 14x14 PPC - Piling	86700 LF	1,664,640	416,160	2,080,800	24.00
TOTAL Gate Bay		1,783,640	445,910	2,229,550	
05_0011. 2 Chamber					
05_0011. 2. 1 14x14 PPC Piling	170000 LF	3,264,000	816,000	4,080,000	24.00
TOTAL Chamber		3,264,000	816,000	4,080,000	
05_0011. 3 Pile Tests					
05_0011. 3.1 Pile Tests	4.00 EA	64,000	16,000	80,000	20000
TOTAL Pile Tests	4.00 EA	64,000	16,000	80,000	20000
TOTAL Foundation Work		5,111,640	1,277,910	6,389,550	
05_0029 Approach Channels					
05_0029.02 Sitework					
05_0029.02.01 Mob & Demob - (Hydraulic Dredge)		250,000	0	250,000	
05_0029.02.02 New Lock Tailbay Channel	490000 CY	1,078,000	0	1,078,000	2.20

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
05_0029.02.03 New Lock Forebay Channel - Hydr	150000 CY	397,500	0	397,500	2.65
05_0029.02.04 New Lock Forebay Channel - Mech	600000 CY	1,950,000	0	1,950,000	3.25
TOTAL Sitework		3,675,500	0	3,675,500	
TOTAL Approach Channels		3,675,500	0	3,675,500	
05_0057 Gates and Associated Items					
05_0057. 1 Sector Gates					
05_0057. 1. 1 Structural Steel	1024500 LBS	2,049,000	512,250	2,561,250	2.50
05_0057. 1. 2 Rubber Seals	560.00 LF	17,920	4,480	22,400	40.00
TOTAL Sector Gates		2,066,920	516,730	2,583,650	
05_0057. 2 Needle Dam - Structural Steel					
05_0057. 2. 1 Girders	120000 LBS	192,000	48,000	240,000	2.00
05_0057. 2. 2 Needles	107000 LBS	171,200	42,800	214,000	2.00
TOTAL Needle Dam - Structural Steel		363,200	90,800	454,000	
05_0057. 3 Needle Dam - Storage					
05_0057. 3. 1 14x14 PPC Piling	1100.00 LF	21,120	5,280	26,400	24.00
05_0057. 3. 2 reinforced concrete	60.00 CY	9,600	2,400	12,000	200.00
TOTAL Needle Dam - Storage		30,720	7,680	38,400	
05_0057. 5 Mechanical					
05_0057. 5. 1 Gate Operating Machinery		640,000	160,000	800,000	
TOTAL Mechanical		640,000	160,000	800,000	
TOTAL Gates and Associated Items		3,100,840	775,210	3,876,050	
05_0061 Guard Dolphins					
05_0061. 1 Upper and Lower					
05_0061. 1. 2 PS-28 Steel Sheet Piling	48700 SF	857,120	214,280	1,071,400	22.00
05_0061. 1. 3 Gravel Fill	3000.00 CY	52,800	13,200	66,000	22.00
05_0061. 1. 4 Reinforced Concrete	2400.00 CY	480,000	120,000	600,000	250.00
05_0061. 1. 6 Timber Piling (treated)	7420.00 LF	118,720	29,680	148,400	20.00

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
05_0061. 1.7 Miscellaneous Metals	150000 LBS	240,000	60,000	300,000	2.00
TOTAL Upper and Lower		1,748,640	437,160	2,185,800	
TOTAL Guard Dolphins		1,748,640	437,160	2,185,800	
05_0062 Approach Walls					
05_0062. 1 Upper and Lower					
05_0062. 1. 1 Timber Fenders (Plastic)	48000 LF	4,608,000	1,152,000	5,760,000	120.00
05_0062. 1. 2 Timber Piling (100' Treated)	142800 LF	3,655,680	913,920	4,569,600	32.00
05_0062. 1. 3 Handrail	2200.00 LF	52,800	13,200	66,000	30.00
05_0062. 1. 4 36" Riprap	33700 TON	485,280	121,320	606,600	18.00
05_0062. 1. 5 12" Bedding Material	7500.00 CY	210,000	52,500	262,500	35.00
05_0062. 1. 6 Filter Fabric	22500 SY	45,000	11,250	56,250	2.50
TOTAL Upper and Lower		9,056,760	2,264,190	11,320,950	
TOTAL Approach Walls		9,056,760	2,264,190	11,320,950	
05_0063 Lock Structure					
05_0063. 1 Gate Bay					
05_0063. 1. 1 Reinforced Concrete					
05_0063. 1. 1_ 1 Base Slab	18400 CY	2,649,600	662,400	3,312,000	180.00
05_0063. 1. 1_ 2 Walls	7800.00 CY	1,747,200	436,800	2,184,000	280.00
05_0063. 1. 1_ 3 Walkway	150.00 CY	15,600	3,900	19,500	130.00
TOTAL Reinforced Concrete		4,412,400	1,103,100	5,515,500	
05_0063. 1. 2 Unreinforced Concrete					
05_0063. 1. 2_ 1 4" Stabilization Slab	310.00 CY	17,360	4,340	21,700	70.00
TOTAL Unreinforced Concrete		17,360	4,340	21,700	
05_0063. 1. 3 Miscellaneous Metalwork					
05_0063. 1. 3_ 1 Handrail	1380.00 LF	33,120	8,280	41,400	30.00
05_0063. 1. 3_ 2 Miscellaneous	74000 LBS	148,000	37,000	185,000	2.50
TOTAL Miscellaneous Metalwork		181,120	45,280	226,400	

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
05_0063. 1. 4 Special Construction					
05_0063. 1. 4_ 1 Instrumentation		16,000	4,000	20,000	
05_0063. 1. 4_ 2 Control House (Pre-fabricated)	2.00 EA	80,000	20,000	100,000	50000
TOTAL Special Construction		96,000	24,000	120,000	
TOTAL Gate Bay		4,706,880	1,176,720	5,883,600	
05_0063. 2 Chamber					
05_0063. 2. 1 Reinforced Concrete					
05_0063. 2. 1_ 1 Walls	10800 CY	2,419,200	604,800	3,024,000	280.00
05_0063. 2. 1_ 2 Slab	19200 CY	2,764,800	691,200	3,456,000	180.00
05_0063. 2. 1_ 3 Walkway	360.00 CY	37,440	9,360	46,800	130.00
TOTAL Reinforced Concrete		5,221,440	1,305,360	6,526,800	
05_0063. 2. 2 Unreinforced Concrete					
05_0063. 2. 2_ 1 4" Stabilization Slab	1275.00 CY	71,400	17,850	89,250	70.00
TOTAL Unreinforced Concrete		71,400	17,850	89,250	
05_0063. 2. 3 Miscellaneous Metalwork					
05_0063. 2. 3_ 1 Handrails	4800.00 LF	115,200	28,800	144,000	30.00
TOTAL Miscellaneous Metalwork		115,200	28,800	144,000	
TOTAL Chamber		5,408,040	1,352,010	6,760,050	
TOTAL Lock Structure		10,114,920	2,528,730	12,643,650	
05_0066 Electrical					
05_0066. 1 Miscellaneous Systems					
05_0066. 1. 1 Power and Lighting		680,000	170,000	850,000	
05_0066. 1. 2 Emergency Generator	1.00 EA	160,000	40,000	200,000	200000
TOTAL Miscellaneous Systems		840,000	210,000	1,050,000	
TOTAL Electrical		840,000	210,000	1,050,000	

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
05_0099 Associated General Items					
05_0099. 1 Site Work					
05_0099. 1. 5 Gages	2.00 EA	800	200	1,000	500.00
05_0099. 1. 6 Seeding, Fertlizing, and Mulch	33.00 ACR	39,600	9,900	49,500	1500.00
TOTAL Site Work		40,400	10,100	50,500	
TOTAL Associated General Items		40,400	10,100	50,500	
TOTAL LOCKS (75' x 1200')		38,814,772	8,454,383	47,269,155	
09 Channels and Canals					
09_ 02 Sitework					
09_ 02. 1 Mob & Demob - mechanical dredge		125,000	0	125,000	
09_ 02. 2 East Access Channel dredging	1080000 CY	2,808,000	0	2,808,000	2.60
TOTAL Sitework		2,933,000	0	2,933,000	
TOTAL Channels and Canals		2,933,000	0	2,933,000	
11 LEVEE AND FLOODWALLS					
11_ 01 Levees					
11_ 01.03 Care and Diversion of Water					
11_ 01.03.02 Site Work					
11_ 01.03.02_ 1 Erosion Protection	7000.00 LF	14,000	3,500	17,500	2.50
TOTAL Site Work		14,000	3,500	17,500	
TOTAL Care and Diversion of Water		14,000	3,500	17,500	
11_ 01.04 Permanent Access					
11_ 01.04.02 Site Work					
11_ 01.04.02_ 1 Road Surfacing	723.00 CY	20,244	5,061	25,305	35.00
TOTAL Site Work		20,244	5,061	25,305	
TOTAL Permanent Access		20,244	5,061	25,305	

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
11_ 01.99 Associated General Items					
11_ 01.99.02 Site Work					
11_ 01.99.02_ 1 Clearing and Grubbing					
11_ 01.99.02_ 1_ 1 Borrow Area	38.00 ACR	76,000	19,000	95,000	2500.00
11_ 01.99.02_ 1_ 2 Levee	16.00 ACR	6,400	1,600	8,000	500.00
TOTAL Clearing and Grubbing		82,400	20,600	103,000	
11_ 01.99.02_ 2 Excavation and Embankment					
11_ 01.99.02_ 2_ 1 Embankment-Fully Compacted	36600 CY	102,480	25,620	128,100	3.50
11_ 01.99.02_ 2_ 2 Embankment-Semicompacted	301000 CY	722,400	180,600	903,000	3.00
TOTAL Excavation and Embankment		824,880	206,220	1,031,100	
11_ 01.99.02_ 3 Seeding, Fertilizing, and Mulch	15.00 ACR	18,000	4,500	22,500	1500.00
11_ 01.99.02_ 4 Fencing	1500.00 LF	4,800	1,200	6,000	4.00
TOTAL Site Work		930,080	232,520	1,162,600	
TOTAL Associated General Items		930,080	232,520	1,162,600	
TOTAL Levees		964,324	241,081	1,205,405	
11_ 02 Floodwalls					
11_ 02.03 Care and Diversion of Water					
11_ 02.03.02 Site Work					
11_ 02.03.02_ 1 Erosion Protection	6800.00 LF	13,600	3,400	17,000	2.50
TOTAL Site Work		13,600	3,400	17,000	
TOTAL Care and Diversion of Water		13,600	3,400	17,000	
11_ 02.04 Permanent Access					
11_ 02.04.02 Site Work					
11_ 02.04.02_ 1 Clearing and Grubbing	2.00 ACR	4,000	1,000	5,000	2500.00
11_ 02.04.02_ 2 Road Surfacing	280.00 CY	7,840	1,960	9,800	35.00
TOTAL Site Work		11,840	2,960	14,800	

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY	UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
TOTAL Permanent Access			11,840	2,960	14,800	
11_ 02.99 Associated General Items						
11_ 02.99.02 Site Work						
11_ 02.99.02_ 1 T-wall						
11_ 02.99.02_ 1_ 1 PZ-22 Steel Sheet Piling	820.00	SF	8,200	2,050	10,250	12.50
11_ 02.99.02_ 1_ 2 Special T-type Sheet Piling	75.00	SF	810	203	1,013	13.50
11_ 02.99.02_ 1_ 3 Paint Sheet Pile	1640.00	SF	2,624	656	3,280	2.00
11_ 02.99.02_ 1_ 4 14x14 PPC - Piling	3200.00	LF	61,440	15,360	76,800	24.00
11_ 02.99.02_ 1_ 5 Unreinforced Concrete	12.00	CY	672	168	840	70.00
11_ 02.99.02_ 1_ 6 Reinforced Concrete Walls	70.00	CY	18,480	4,620	23,100	330.00
11_ 02.99.02_ 1_ 7 Reinforced Concrete Slab	60.00	CY	9,600	2,400	12,000	200.00
11_ 02.99.02_ 1_ 8 3-Bulb Waterstops	30.00	LF	240	60	300	10.00
11_ 02.99.02_ 1_ 9 Expansion Joint Filler Material	90.00	SF	216	54	270	3.00
11_ 02.99.02_ 1_ 10 Neoprene Sheets	95.00	SF	3,800	950	4,750	50.00
TOTAL T-wall			106,083	26,521	132,603	
11_ 02.99.02_ 2 I-wall						
11_ 02.99.02_ 2_ 1 PZ-27 Steel Sheet Piling	16525	SF	198,300	49,575	247,875	15.00
11_ 02.99.02_ 2_ 2 Paint Sheet Pile	33050	SF	52,880	13,220	66,100	2.00
11_ 02.99.02_ 2_ 3 Cut Sheet Pile	670.00	LF	1,340	335	1,675	2.50
11_ 02.99.02_ 2_ 4 Structural Excavation	250.00	CY	1,600	400	2,000	8.00
11_ 02.99.02_ 2_ 5 Backfill-Fully Compacted	125.00	CY	1,000	250	1,250	10.00
11_ 02.99.02_ 2_ 6 Unreinforced Concrete	26.00	CY	1,456	364	1,820	70.00
11_ 02.99.02_ 2_ 7 Reinforced Concrete Cap-Walls	540.00	CY	129,600	32,400	162,000	300.00
11_ 02.99.02_ 2_ 8 L-Type Waterstop Material	35.00	LF	980	245	1,225	35.00
11_ 02.99.02_ 2_ 9 3-Bulb Waterstops	180.00	LF	1,440	360	1,800	10.00
11_ 02.99.02_ 2_ 10 Expansion Joint Filler Material	360.00	SF	864	216	1,080	3.00
11_ 02.99.02_ 2_ 11 Seeding, Fertilizing, & Mulch	2.00	ACR	2,400	600	3,000	1500.00
TOTAL I-wall			391,860	97,965	489,825	
TOTAL Site Work			497,942	124,486	622,428	
TOTAL Associated General Items			497,942	124,486	622,428	
TOTAL Floodwalls			523,382	130,846	654,228	
TOTAL LEVEE AND FLOODWALLS			1,487,706	371,927	1,859,633	
25 Mitigation						
25_ 1 Mitigation						

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
25_ 1. 1 Mitigation					
25_ 1. 1. 2 Misc Mitigation					
25_ 1. 1. 2_ 1 Ditches and sediment trap		200,000	0	200,000	
TOTAL Misc Mitigation		200,000	0	200,000	
25_ 1. 1.1 Forest Development & Management					
25_ 1. 1.1 _ 1 Last year of construction		77,860	0	77,860	
25_ 1. 1.1 _ 2 1st year after project complete		4,580	0	4,580	
25_ 1. 1.1 _ 3 5th year after project complete		26,540	0	26,540	
25_ 1. 1.1 _ 4 6th year after project complete		5,200	0	5,200	
25_ 1. 1.1 _ 5 10th year after project complete		12,080	0	12,080	
25_ 1. 1.1 _ 6 11th year after project complete		5,945	0	5,945	
25_ 1. 1.1 _ 7 16th year after project complete		11,395	0	11,395	
25_ 1. 1.1 _ 8 20th year after project complete		3,945	0	3,945	
25_ 1. 1.1 _ 9 25th year after project complete		3,945	0	3,945	
25_ 1. 1.1 _ 10 35th year after project complete		15,795	0	15,795	
25_ 1. 1.1 _ 11 36th year after project complete		4,740	0	4,740	
25_ 1. 1.1 _ 12 40th year after project complete		23,700	0	23,700	
25_ 1. 1.1 _ 13 45th year after project complete		6,315	0	6,315	
TOTAL Forest Development & Management		202,040	0	202,040	
TOTAL Mitigation		402,040	0	402,040	
TOTAL Mitigation		402,040	0	402,040	
TOTAL Mitigation		402,040	0	402,040	
30 Engineering and Design					
30_1 Engineering and Design					
30_1 . 1 Engineering and Design					
30_1 . 1. 1 Engineering and Design					
30_1 . 1. 1_ 1 Engineering and Design		5,206,200	0	5,206,200	
TOTAL Engineering and Design		5,206,200	0	5,206,200	
TOTAL Engineering and Design		5,206,200	0	5,206,200	
TOTAL Engineering and Design		5,206,200	0	5,206,200	
TOTAL Engineering and Design		5,206,200	0	5,206,200	

** PROJECT INDIRECT SUMMARY - Level 6 **

	QUANTY UOM	DIRECT	MARKUPS	TOTAL COST	UNIT
31 Construction Management					
31_ 1 Construction Management					
31_ 1. 1 Construction Management					
31_ 1. 1. 1 Construction Management					
31_ 1. 1. 1_ 1 Construction Management		5,443,964	0	5,443,964	
TOTAL Construction Management		5,443,964	0	5,443,964	
TOTAL Construction Management		5,443,964	0	5,443,964	
TOTAL Construction Management		5,443,964	0	5,443,964	
TOTAL Construction Management		5,443,964	0	5,443,964	
TOTAL GIWW Lock Feasibility Study	1.00 EA	54,335,762	8,826,310	63,162,07263162072	
Contingency				15,784,418	
TOTAL INCL OWNER COSTS				78,946,490	