



American River Watershed Project

Post-Authorization Change Report And Interim General Reevaluation Report

American River Watershed

Common Features Project

Natomas Basin

Sacramento and Sutter Counties, California



Sacramento
Area Flood
Control
Agency



**US Army Corps
of Engineers**®

Sacramento District

National Economic Development (NED) Plan

****TOTAL PROJECT COST SUMMARY****

6/3/2010

THIS ESTIMATE IS BASED ON THE SCOPE CONTAINED IN THE POST AUTHORIZATION CHANGE REPORT REPORT, NED PLAN

PROJECT: NATOMAS PACR

U. S. ARMY CORPS OF ENGINEER, SACRAMENTO DISTRICT

LOCATION: CALIFORNIA

P.O.C.: JOE W. YEE, CHIEF, COST ENGINEERING SECTION

Current MCACES Estimate Prepared: 1-Oct-2010

Effective Price Level (EPL): 1-Oct-2010

ACCOUNT NO. FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)FULLY FUNDED ESTIMATE.		
					FEATURE OMB MIDPT(%)	COST (\$K)	CNTG (\$K)

Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.

Total							
FEDERAL COSTS							
6 FISH & WILDLIFE FACILITIES	14,516	4,911		19,427			
Reach B	1,676	0	0	1,676	0	0	0
Reach C	1,911	0	0	1,911	0	0	0
Reach E	4,449	2,001	45	6,450	0	0	0
Reach H	6,480	2,910	45	9,390	0	0	0
11 LEVEES & FLOODWALLS	214,488	49,941		264,429	0	0	0
Reach A	48,346	21,775	45	70,121	0	0	0
Reach B	55,243	4,200	17	59,443	0	0	0
Reach C	23,512	323	15	23,835	0	0	0
Reach D	34,840	0		34,840	0	0	0
Reach E	26,156	11,769	45	37,925	0	0	0
Reach H	26,391	11,874	45	38,265	0	0	0
18 CULT. RESRC. PRESERV. (1)	2,616	582		3,198	0	0	0
Reach A	546	245	45	791	0	0	0
Reach B	875	26	3	901	0	0	0
Reach C	473	(5)	-1	468	0	0	0
Reach E	345	151	44	496	0	0	0
Reach H	377	165	44	542	0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS	231,620	55,434		287,054	0	0	0
1 LANDS & DAMAGES, Admin (2)	2,959	443		3,402	0	0	0
Reach A	666	99	15	765	0	0	0
Reach B	821	124	15	945	0	0	0
Reach C	256	39	15	295	0	0	0
Reach D	85	13	15	98	0	0	0
Reach E	346	51	15	397	0	0	0
Reach H	785	117	15	902	0	0	0
30 PLAN/ENGINEERING/DESIGN	95,082	6,320		101,402	0	0	0
Reach A	10,008	2,610	45	12,618	0	0	0
Reach B	35,679	242	15	35,921	0	0	0
Reach C	23,627	39	15	23,666	0	0	0
Reach D	9,633	0		9,633	0	0	0
Reach E	7,885	1,653	45	9,538	0	0	0
Reach H	8,250	1,776	45	10,026	0	0	0
31 CONSTRUCTION MANAGE'MT	25,094	4,386		29,480	0	0	0
Reach A	3,868	1,740	45	5,608	0	0	0
Reach B	6,226	335	16	6,561	0	0	0
Reach C	4,366	26	15	4,392	0	0	0
Reach D	5,556	0		5,556	0	0	0
Reach E	2,448	1,102	45	3,550	0	0	0
Reach H	2,630	1,183	45	3,813	0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION	354,755	66,583		421,338	0	0	0
NON-FEDERAL CONTRIBUTION (-)	27,278	7,111		34,389	0	0	0
SECTION 104 (-)	44,498	(7,112)		37,386	0	0	0
Reach A	3,594	0		3,594	0	0	0
Reach B	3,975	1,078		5,053	0	0	0
Reach C	2,021	444		2,465	0	0	0
Reach D	28,028	(9,016)		19,012	0	0	0
Reach E	3,429	252		3,681	0	0	0
Reach H	3,451	130		3,581	0	0	0
TOTAL FEDERAL COSTS	\$282,979	\$66,584		\$349,563	\$0	\$0	\$0
NON-FEDERAL COSTS							
1 LANDS AND DAMAGES	123,819	39,417		163,236	0	0	0
Reach A	25,122	6,174	25	31,296	0	0	0
Reach B	45,066	16,085	36	61,151	0	0	0
Reach C	11,753	4,426	38	16,179	0	0	0
Reach D	4,874	2,536	52	7,410	0	0	0
Reach E	26,109	8,579	33	34,688	0	0	0
Reach H	10,895	1,617	15	12,512	0	0	0
2 RELOCATIONS	79,889	23,314		103,203	0	0	0
Reach A	12,180	5,432	45	17,612	0	0	0
Reach B	25,777	4,134	20	29,911	0	0	0
Reach C	19,485	3,661	23	23,146	0	0	0
Reach D	3,873	1,728	45	5,601	0	0	0
Reach E	4,262	1,918	45	6,180	0	0	0
Reach H	14,312	6,441	45	20,753	0	0	0
SECTION 104	206,392	4,505		210,897	0	0	0
Reach A	3,594	0		3,594	0	0	0
Reach B	94,135	4,137	15	98,272	0	0	0
Reach C	52,258	368	15	52,626	0	0	0
Reach D	49,143	0		49,143	0	0	0
Reach E	3,681	0		3,681	0	0	0
Reach H	3,581	0		3,581	0	0	0

******CONTRACT COST SUMMARY(CONT'D)******

Current MCACES Estimate Prepared: 1-Oct-2010
Effective Price Level (EPL): 1-Oct-2010

ACCOUNT		COST	CNTG	CNTG	TOTALFULLY FUNDED ESTIMATE.			
NO.	FEATURE DESCRIPTION	(\$K)	(\$K)	(%)	(\$K)	FEATURE OMB MIDPT(%)	COST (\$K)	CNTG (\$K)	FULLY FUNDED (\$K)
Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.									
30	PLAN/ENGINEERING/DESIGN	10,838	2,109		12,947		0	0	0
	Reach A	2 735	326	45	1,061		0	0	0
	Reach B	1,365	248	20	1,613		0	0	0
	Reach C	5,962	439	23	6,401		0	0	0
	Reach D	800	208	45	1,008		0	0	0
	Reach E	256	115	45	371		0	0	0
	Reach H	1,720	773	45	2,493		0	0	0
31	CONSTRUCTION MANAGE'MT	6,358	1,865		8,223		0	0	0
	Reach A	2 974	435	45	1,409		0	0	0
	Reach B	1,778	331	20	2,109		0	0	0
	Reach C	1,810	292	22	2,102		0	0	0
	Reach D	310	139	45	449		0	0	0
	Reach E	341	153	45	494		0	0	0
	Reach H	1,145	515	45	1,660		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		427,296	71,210		498,506		0	0	0
NON-FEDERAL CONTRIBUTION (+)		27,278	7,111		34,389		0	0	0
	Reach A	5,095	1,941		7,036		0	0	0
	Reach B	8,682	1,289		9,971		0	0	0
	Reach C	4,634	462		5,096		0	0	0
	Reach D	1,624	689		2,313		0	0	0
	Reach E	3,613	1,370		4,983		0	0	0
	Reach H	3,630	1,360		4,990		0	0	0
SECTION 104 (-) Remaining Allowable		161,894	11,617		173,511		0	0	0
	Reach B	90,160	3,059		93,219		0	0	0
	Reach C	50,237	(76)		50,161		0	0	0
	Reach D	21,115	9,016		30,131		0	0	0
TOTAL NON-FEDERAL COSTS		\$292,680	\$66,704		\$359,384		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Total		\$575,659	\$133,288		\$708,947		\$0	\$0	\$0
Reach A									
FEDERAL COSTS									
11	LEVEES & FLOODWALLS	48,346	21,775	45	70,121		0	0	0
18	CULT. RESRC. PRESERV. (1)	546	245	45	791		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		48,892	22,020		70,912		0	0	0
1	LANDS & DAMAGES, Admin (2)	666	99	15	765		0	0	0
30	PLAN/ENGINEERING/DESIGN	10,008	2,610		12,618		0	0	0
	FEDERAL	A 6,414	2,610	45	9,024		0	0	0
	NON-FEDERAL - Section 104	A 3,594	0		3,594		0	0	0
31	CONSTRUCTION MANAGE'MT	3,868	1,740	45	5,608		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		63,434	26,469		89,903		0	0	0
NON-FEDERAL CONTRIBUTION (-)		5,095	1,941		7,036		0	0	0
SECTION 104 (-)		3,594	0		3,594		0	0	0
TOTAL FEDERAL COSTS		\$54,745	\$24,528		\$79,273		\$0	\$0	\$0
NON-FEDERAL COSTS									
1	LANDS AND DAMAGES	25,122	6,174	25	31,296		0	0	0
2	RELOCATIONS	12,180	5,432	45	17,612		0	0	0
SECTION 104		3,594	0		3,594		0	0	0
	30 PED Section 104	C 3,594	0		3,594		0	0	0
30	PLAN/ENGINEERING/DESIGN	735	326	45	1,061		0	0	0
31	CONSTRUCTION MANAGE'MT	974	435	45	1,409		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		42,605	12,367		54,972		0	0	0
NON-FEDERAL CONTRIBUTION (+)		5,095	1,941		7,036		0	0	0
TOTAL NON-FEDERAL COSTS		\$47,700	\$14,308		\$62,008		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach A		\$102,445	\$38,836		\$141,281		\$0	\$0	\$0
Reach B									
FEDERAL COSTS									
6	FISH & WILDLIFE FACILITIES	1,676	0		1,676		0	0	0
	FEDERAL	6 1,635	0	0	1,635		0	0	0
	NON-FEDERAL - Section 104	6 41	0		41		0	0	0

******CONTRACT COST SUMMARY(CONT'D)******

Current MCACES Estimate Prepared: 1-Oct-2010					FULLY FUNDED ESTIMATE.		
Effective Price Level (EPL): 1-Oct-2010						FEATURE		FULLY
ACCOUNT		COST	CNTG	CNTG	TOTAL	OMB	COST	FUNDED
NO.	FEATURE DESCRIPTION	(\$K)	(\$K)	(%)	(\$K)	MIDPT(%)	(\$K)	(\$K)
Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.								
11	LEVEES & FLOODWALLS	55,243	4,200		59,443		0	0
	FEDERAL	1,270	571	45	1,841		0	0
	NON-FEDERAL - Section 104	53,973	3,629	15	57,602		0	0
18	CULT. RESRC. PRESERV. (1)	875	26	3	901		0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		57,794	4,226		62,020		0	0
1	LANDS & DAMAGES, Admin (2)	821	124	15	945		0	0
30	PLAN/ENGINEERING/DESIGN	35,679	242		35,921		0	0
	FEDERAL	1,682	24	16	1,706		0	0
	NON-FEDERAL - Section 104	33,997	218	15	34,215		0	0
31	CONSTRUCTION MANAGE'MT	6,226	335		6,561		0	0
	FEDERAL	102	45	44	147		0	0
	NON-FEDERAL - Section 104	6,124	290	15	6,414		0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		100,520	4,927		105,447		0	0
NON-FEDERAL CONTRIBUTION (-)		8,682	1,289		9,971		0	0
SECTION 104 (-)		3,975	1,078		5,053		0	0
TOTAL FEDERAL COSTS		\$87,863	\$2,560		\$90,423		\$0	\$0
NON-FEDERAL COSTS								
1	LANDS AND DAMAGES	45,066	16,085	36	61,151		0	0
2	RELOCATIONS	25,777	4,134	20	29,911		0	0
SECTION 104		94,135	4,137		98,272		0	0
	06 Fish and Wild Life	41	0		41		0	0
	11 Levee and Floodwall	53,973	3,629	15	57,602		0	0
	30 PED	33,997	218	15	34,215		0	0
	31 CM	6,124	290	15	6,414		0	0
30	PLAN/ENGINEERING/DESIGN	1,365	248	20	1,613		0	0
31	CONSTRUCTION MANAGE'MT	1,778	331	20	2,109		0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		168,121	24,935		193,056		0	0
NON-FEDERAL CONTRIBUTION (+)		8,682	1,289		9,971		0	0
SECTION 104 (-) Remaining Allowable		90,160	3,059		93,219		0	0
TOTAL NON-FEDERAL COSTS		\$86,643	\$23,165		\$109,808		\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach B		\$174,506	\$25,725		\$200,231		\$0	\$0
Reach C								
FEDERAL COSTS								
6	FISH & WILDLIFE FACILITIES	1,911	0		1,911		0	0
	FEDERAL	225	0	0	225		0	0
	NON-FEDERAL - Section 104	1,686	0		1,686		0	0
11	LEVEES & FLOODWALLS	23,512	323	15	23,835		0	0
18	CULT. RESRC. PRESERV. (1)	473	(5)	-1	468		0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		25,896	318		26,214		0	0
1	LANDS & DAMAGES, Admin (2)	256	39	15	295		0	0
30	PLAN/ENGINEERING/DESIGN	23,627	39		23,666		0	0
	FEDERAL	933	20	16	953		0	0
	NON FEDERAL - Section 104	22,694	19	15	22,713		0	0
31	CONSTRUCTION MANAGE'MT	4,366	26	15	4,392		0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		54,145	422		54,567		0	0
NON-FEDERAL CONTRIBUTION (-)		4,634	462		5,096		0	0
SECTION 104 (-)		2,021	444		2,465		0	0
TOTAL FEDERAL COSTS		\$47,490	(\$484)		\$47,006		\$0	\$0
NON-FEDERAL COSTS								
1	LANDS AND DAMAGES	11,753	4,426	38	16,179		0	0
2	RELOCATIONS	19,485	3,661	23	23,146		0	0
SECTION 104		52,258	368		52,626		0	0
	06 Fish and Wild Life	1,686	0		1,686		0	0
	11 Levee and Floodwall	23,512	323	15	23,835		0	0

******CONTRACT COST SUMMARY(CONT'D)******

Current MCACES Estimate Prepared: 1-Oct-2010					FULLY FUNDED ESTIMATE.		
Effective Price Level (EPL): 1-Oct-2010						FEATURE		FULLY
ACCOUNT		COST	CNTG	CNTG	TOTAL	OMB	COST	FUNDED
NO.	FEATURE DESCRIPTION	(\$K)	(\$K)	(%)	(\$K)	MIDPT(%)	(\$K)	(\$K)
Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.								
	30 PED	22,694	19	15	22,713		0	0
	31 CM	4,366	26	15	4,392		0	0
	30 PLAN/ENGINEERING/DESIGN	5,962	439	23	6,401		0	0
	31 CONSTRUCTION MANAGE'MT	1,810	292	22	2,102		0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		91,268	9,186		100,454		0	0
NON-FEDERAL CONTRIBUTION (+)		4,634	462		5,096		0	0
SECTION 104 (-) Remaining Allowable		50,237	(76)		50,161		0	0
TOTAL NON-FEDERAL COSTS		\$45,665	\$9,724		\$55,389		\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach C		\$93,155	\$9,240		\$102,395		\$0	\$0
Reach D								
FEDERAL COSTS								
	11 LEVEES & FLOODWALLS	34,840	0		34,840		0	0
	NON FEDERAL - Section 104	34,840	0		34,840		0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		34,840	0		34,840		0	0
	1 LANDS & DAMAGES, Admin. (1)	85	13	15	98		0	0
	30 PLAN/ENGINEERING/DESIGN	9,633	0		9,633		0	0
	FEDERAL	886	0		886		0	0
	NON FEDERAL - Section 104	8,747	0		8,747		0	0
	31 CONSTRUCTION MANAGE'MT	5,556	0		5,556		0	0
	NON FEDERAL - Section 104	5,556	0		5,556		0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		50,114	13		50,127		0	0
NON-FEDERAL CONTRIBUTION (-)		1,624	689		2,313		0	0
SECTION 104 (-)		28,028	(9,016)		19,012		0	0
TOTAL FEDERAL COSTS		\$20,462	\$8,340		\$28,802		\$0	\$0
NON-FEDERAL COSTS								
	1 LANDS AND DAMAGES	4,874	2,536	52	7,410		0	0
	2 RELOCATIONS	3,873	1,728	45	5,601		0	0
	SECTION 104	49,143	0		49,143		0	0
	11 Levee and Floodwall	34,840	0		34,840		0	0
	30 PED	8,747	0		8,747		0	0
	31 CM	5,556	0		5,556		0	0
	30 PLAN/ENGINEERING/DESIGN	800	208	45	1,008		0	0
	31 CONSTRUCTION MANAGE'MT	310	139	45	449		0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		59,000	4,611		63,611		0	0
NON-FEDERAL CONTRIBUTION (+)		1,624	689		2,313		0	0
SECTION 104 (-) Remaining Allowable		21,115	9,016		30,131		0	0
TOTAL NON-FEDERAL COSTS		\$39,509	(\$3,716)		\$35,793		\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach D		\$59,971	\$4,624		\$64,595		\$0	\$0
Reach E								
FEDERAL COSTS								
	6 FISH & WILDLIFE FACILITIES	4,449	2,001	45	6,450		0	0
	11 LEVEES & FLOODWALLS	26,156	11,769	45	37,925		0	0
	18 CULT. RESRC. PRESERV. (1)	345	151	44	496		0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		30,950	13,921		44,871		0	0
	1 LANDS & DAMAGES, Admin (2)	346	51	15	397		0	0
	30 PLAN/ENGINEERING/DESIGN	7,885	1,653		9,538		0	0
	FEDERAL	4,204	1,653	45	5,857		0	0
	NON-FEDERAL - Section 104	3,681	0		3,681		0	0
	31 CONSTRUCTION MANAGE'MT	2,448	1,102	45	3,550		0	0
SUBTOTAL FEDERAL &		41,629	16,727		58,356		0	0

******CONTRACT COST SUMMARY(CONT'D)******

Current MCACES Estimate Prepared: 1-Oct-2010 Effective Price Level (EPL): 1-Oct-2010				FULLY FUNDED ESTIMATE.				
ACCOUNT		COST	CNTG	CNTG	TOTAL	FEATURE		FULLY	
NO. FEATURE DESCRIPTION		(\$K)	(\$K)	(%)	(\$K)	OMB	COST	CNTG	
						MIDPT(%)	(\$K)	(\$K)	
Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.									
NON-FEDERAL CONTRIBUTION									
NON-FEDERAL CONTRIBUTION (-)		3,613	1,370		4,983		0	0	0
SECTION 104 (-)		3,429	252		3,681		0	0	0
TOTAL FEDERAL COSTS		\$34,587	\$15,105		\$49,692		\$0	\$0	\$0
NON-FEDERAL COSTS									
1 LANDS AND DAMAGES		26,109	8,579	33	34,688		0	0	0
2 RELOCATIONS		4,262	1,918	45	6,180		0	0	0
SECTION 104		3,681	0		3,681		0	0	0
30 PED	C	3,681	0		3,681		0	0	0
30 PLAN/ENGINEERING/DESIGN		256	115	45	371		0	0	0
31 CONSTRUCTION MANAGE'MT		341	153	45	494		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		34,649	10,765		45,414		0	0	0
NON-FEDERAL CONTRIBUTION (+)		3,613	1,370		4,983		0	0	0
TOTAL NON-FEDERAL COSTS		\$38,010	\$12,387		\$50,397		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach E		\$72,597	\$27,492		\$100,089		\$0	\$0	\$0
Reach H									
FEDERAL COSTS									
6 FISH & WILDLIFE FACILITIES		6,480	2,910	45	9,390		0	0	0
11 LEVEES & FLOODWALLS		26,391	11,874	45	38,265		0	0	0
18 CULT. RESRC. PRESERV. (1)		377	165	44	542		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		33,248	14,949		48,197		0	0	0
1 LANDS & DAMAGES, Admin (2)		785	117	15	902		0	0	0
30 PLAN/ENGINEERING/DESIGN		8,250	1,776		10,026		0	0	0
FEDERAL	A	4,669	1,776	45	6,445		0	0	0
NON-FEDERAL - Section 104	A	3,581	0		3,581		0	0	0
31 CONSTRUCTION MANAGE'MT		2,630	1,183	45	3,813		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		44,913	18,025		62,938		0	0	0
NON-FEDERAL CONTRIBUTION (-)		3,630	1,360		4,990		0	0	0
SECTION 104 (-)		3,451	130		3,581		0	0	0
TOTAL FEDERAL COSTS		\$37,832	\$16,535		\$54,367		\$0	\$0	\$0
NON-FEDERAL COSTS									
1 LANDS AND DAMAGES		10,895	1,617	15	12,512		0	0	0
2 RELOCATIONS		14,312	6,441	45	20,753		0	0	0
SECTION 104		3,581	0		3,581		0	0	0
30 PED	C	3,581	0		3,581		0	0	0
30 PLAN/ENGINEERING/DESIGN		1,720	773	45	2,493		0	0	0
31 CONSTRUCTION MANAGE'MT		1,145	515	45	1,660		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		31,653	9,346		40,999		0	0	0
NON-FEDERAL CONTRIBUTION (+)		3,630	1,360		4,990		0	0	0
TOTAL NON-FEDERAL COSTS		\$35,153	\$10,836		\$45,989		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach H		\$72,985	\$27,371		\$100,356		\$0	\$0	\$0

(1) Cultural Resources Preservation costs associated with mitigation and/or data recovery up to one percent of the total Federal cost are not subject to cost sharing.
 (2) Federal administrative costs for non-Federal land acquisition.
 (3) 01 Account for Land and Damages cost are from Real Estates.

****DETAILED ESTIMATE OF FIRST COST****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
Reach A								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				5,075	800	15.8	-
A01180302	Gross Appraisal/Report				19,573	2,900	14.8	-
A01180303	Prelim Real Estate Acquistn Maps				7,586	1,100	14.5	-
A01180304	Physical Takngs Analysis Reports				1,036	200	19.3	-
A01180305	Prelim Attys Opinion of Compsnbl				1,036	200	19.3	-
A01180306	Rights of Entry				11,550	1,700	14.7	-
A01180307	All Other Real Estate Analy/Docs				7,667	1,200	15.7	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				185,640	27,800	15.0	-
A01230305	Real Estate Appraisal Documents				26,180	3,900	14.9	-
A01230307	Real Estate Rts of Entry/TempPermt				12,495	600	4.8	-
A01230317	Real Estate LERRD Crediting Docs				388,180	58,582	15.1	-
Subtotal, Construction Costs:					\$666,018			
Contingencies @ average of					14.9 % +/- *		\$98,982	A
A01	LANDS AND DAMAGES, Administration							
					TOTAL:	\$765,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	2,222,520	1,000,134	45.0	-
110104	Permanent Access Roads and Parking:							
11010402	Site Work:							
	New Class 2 AB Maint Road - A2							
	Place 4" Aggregate Base	7,000	TN	39.00	273,000	122,850	45.0	-
	New Class 2 AB Maint Road - A1							
	Place 4" Aggregate Base	2,400	TN	43.51	104,424	46,991	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Debris Removal	10,000	CY	25.30	253,000	113,850	45.0	-
	Clearing	47.6	ACR	11,205	533,358	240,011	45.0	-
	Stripping and Foundation	47.6	ACR	6,093	290,027	130,512	45.0	-
	Excavation, Common	417,400	CY	18.26	7,621,724	3,429,776	45.0	-
	Inspection Trench Excavation	6,000	CY	2.24	13,440	6,048	45.0	-
	Embankment from Borrow	521,750	CY	4.70	2,452,225	1,103,501	45.0	-
	Place & Remove Temporary Fill	186,900	CY	34.87	6,517,203	2,932,741	45.0	-
	Cutoff Walls	1,659,900	SF	16.83	27,936,117	12,590,736	45.1	-
	Seeding	31	ACR	4,156	128,836	57,976	45.0	-
Subtotal, Construction Costs:					\$48,345,874			
Contingencies @ average of					45.0 % +/- *		\$21,775,126	
11	LEVEES AND FLOODWALLS							
					TOTAL:	\$70,121,000		
18	CULTURAL RESOURCE PRESERVATION							
	1% of Federal Obligations							
					546,000	245,000	44.9	
Subtotal, Construction Costs:					\$546,000			
Contingencies @ average of					44.9 % +/- *		\$245,000	A
18	CULTURAL RESOURCE PRESERVATION							
					TOTAL:	\$791,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS							
					FY 2009	123,900		
					FY 2010	488,200		
Subtotal, Construction Costs:					612,100			
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				293,750	132,188	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230101	Survey Markers				190,060	85,527	45.0	-
30230101	Hydraulics Studies				345,580	155,511	45.0	-
30230101	Hydrology				172,770	77,747	45.0	-
30230101	Structural Design				51,840	23,328	45.0	-
30230102	Civil Design Analysis				190,060	85,527	45.0	-
30230102	Prepare Specs- Front End				86,380	38,871	45.0	-
30230102	Civil Design Prepare Tec Specs				129,590	58,316	45.0	-
30230102	Civil Design Prepare Plans				302,390	136,076	45.0	-
30230102	Review P&S(ITR)				129,590	58,316	45.0	-
30230104	BCOE Review and Certification				86,380	38,871	45.0	-
30230104	Revise P&S				86,380	38,871	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				345,580	155,511	45.0	-
30230105	Revegetation Plan				401,740	180,783	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				112,310	50,540	45.0	-
30230403	Mitigation Analysis Report				103,680	46,656	45.0	-
30230404	Fish and Wildlife Coordination Act Report				129,590	58,316	45.0	-
30230410	NPDES Permit/SPPCP				43,200	19,440	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				172,770	77,747	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				215,990	97,196	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				172,770	77,747	45.0	-
30230703	Cost Estimates-Contract				172,770	77,747	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				86,380	38,871	45.0	-
30230801	Other Studies (ECIFP)				34,560	15,552	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				86,380	38,871	45.0	-
30230903	Repro				43,200	19,440	45.0	-
30230907	Award Contract				17,280	7,776	45.0	-
302310	ENGINEERING & DESIGN DURING				345,580	155,511	45.0	-
30231402	Amendments to P&S				86,380	38,871	45.0	-
3024	VALUE ENGINEERING ANALYSIS				112,310	50,540	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				103,680	46,656	45.0	-
302501	Local Sponsor Audit				86,380	38,871	45.0	-
302501	USACE Audit				86,380	38,871	45.0	-
302501	OMRR&R Manual				172,770	77,747	45.0	-
3026	PROGRAMS AND PROJECT MGMT				604,980	272,261	45.0	-
	Subtotal					\$6,413,530		
	Contingencies @ average of			45.0 % +/- *			\$2,610,670	A
30	PLANNING, ENGINEERING & DESIGN				TOTAL:		\$9,024,200	
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS					3,594,000		
	SECTION 104	FY 2007			42,385			
	SECTION 104	FY 2008			55,625			
	SECTION 104	FY 2009			763,703			
	SECTION 104	FY 2010			2,732,287			
	Subtotal					\$3,594,000		
30	PLANNING, ENGINEERING & DESIGN - Section 104				TOTAL:		\$3,594,000	
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				1,289,210	579,813	45.0	-
31231102	Area Office S&A Documents				403,010	181,355	45.0	-
31231103	District Office S&A Documents				80,450	36,203	45.0	-
31231103	Contract Mods & Negotiations				48,350	21,758	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				889,560	400,302	45.0	-
312602	Funds Control Documents				161,280	72,576	45.0	-
312603	Trip Reports				80,450	36,203	45.0	-
312604	Upward reporting Documents				48,350	21,758	45.0	-
312605	Budgetary Documents				64,590	29,066	45.0	-
312606	Project Authorization Documents				80,450	36,203	45.0	-
312607	Annual Notification Ltr				40,220	18,099	45.0	-
312608	Fact Sheets				240,570	108,257	45.0	-
312609	Correspondance(Congress/State)				80,450	36,203	45.0	-
312610	Schedule and Cost Changes				96,690	43,511	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
312611	Project Work Directives				48,350	21,758	45.0	-
312612	Project Closeout Coord Documents				48,350	21,758	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				80,450	36,203	45.0	-
312614	All Other Programs/PM Documents				48,350	21,758	45.0	-
312615	Mitigation Construction				38,680	17,406	45.0	-
	Subtotal					\$3,867,810		
	Contingencies @ average of	45.0 % +/- *					\$1,740,190	A
31	CONSTRUCTION MANAGEMENT (S & I)				TOTAL:		\$5,608,000	
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				285,600	28,600	10.0	-
01230302	Real Estate Acquisition Documents				2,296,700	229,700	10.0	-
01230303	Real Estate Condemnation Documents				2,623,950	262,400	10.0	-
01230305	Real Estate Appraisal Documents				357,000	35,700	10.0	-
01230306	Real Estate PL 91-646 Asst. Doc				35,000	3,500	10.0	-
01230307	Real Estate Rts of Entry/TempPermt				267,750	26,800	10.0	-
01230315	Real Estate Payment Documents				19,255,954	5,587,346	29.0	-
	Subtotal, Construction Costs:					\$25,121,954		
	Contingencies @ average of	24.6 % +/- *					\$6,174,046	A
01	LANDS AND DAMAGES				TOTAL:		\$31,296,000	
02	RELOCATIONS							
0201	ROADS, Construction Activities							
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	11,749	5,287	45.0	-
020318	Utilities							
02031802	Site Work:							
	Irrigation Canal Relocation - A1	1	JOB	LS	37,858	17,036	45.0	-
	Irrigation Canal Relocation - A2	1	JOB	LS	111,471	0	0.0	-
	Sac City Pumping Plant Sump 160							
	Mob, Demob & Preparatory Work	1	JOB	LS	217,587	97,914	45.0	-
	Traffic Control	1	JOB	LS	18,409	8,284	45.0	-
	Temporary Fencing	1,000	LF	5.83	5,830	2,624	45.0	-
	Erosion Control	1	JOB	LS	3,780	1,701	45.0	-
	Clearing and Grubbing	0.50	ACR	5,476	2,738	1,232	45.0	-
	Stripping	0.50	ACR	3,592	1,796	808	45.0	-
	Excavate, fill & compact soil to remove existing piping	4,180	CY	5.52	23,074	10,383	45.0	-
	Remove existing piping (2-54" WSP)	450	LF	32.28	14,526	6,537	45.0	-
	Remove existing piping (2-42" WSP)	450	LF	26.82	12,069	5,431	45.0	-
	Remove existing piping (1-12" WSP)	225	LF	22.57	5,078	2,285	45.0	-
	Remove existing air relief valves & riser structure	1	JOB	LS	3,287	1,479	45.0	-
	Remove existing fence	175	LF	7.38	1,292	581	45.0	-
	Remove existing block wall	20	LF	10.76	215	97	45.1	-
	AC Pavement removal (Garden Highway)	17,000	SF	3.24	55,080	24,786	45.0	-
	WSP - 54-inch (2)	450	LF	681.98	306,891	138,101	45.0	-
	WSP - 42-inch (2)	450	VLF	607.50	273,375	123,019	45.0	-
	WSP - 12-inch	225	VLF	83.44	18,774	8,448	45.0	-
	Siphon Breakers	5	EA	10,187	50,935	22,921	45.0	-
	Backfill for Pipe Xing above levee	1,650	CY	24.53	40,475	18,214	45.0	-
	Crushed Aggregate Subbase	1,785	TN	34.76	62,047	27,921	45.0	-
	AC Pavement (Garden Highway)	595	TN	111.41	66,289	29,830	45.0	-
	Remove & Replace 715 HP Drainage Pump & Motor	2	EA	280,230	560,460	252,207	45.0	-
	Remove & Replace 420 HP Drainage Pump & Motor	2	EA	186,149	372,298	167,534	45.0	-
	Remove & Replace 50 HP Drainage Pump & Motor	1	EA	60,837	60,837	27,377	45.0	-
	Install New Electric Equipment	1	JOB	LS	339,555	152,800	45.0	-
	Security Fencing	150	LF	58.60	8,790	3,956	45.0	-
	Locate & Relocate Utils prior to excavation	1	JOB	LS	13,582	6,112	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Topsoil, borrow	10,890	CY	14.12	153,767	69,195	45.0	-
	Hydroseed & Mulch	0.50	ACR	3,192.58	1,596	718	45.0	-
	RD 1000 Pumping Plant No 1 A (EOPC)							
	Mob, Demob & Preparatory Work	1	JOB	LS	45,713	20,571	45.0	-
	Erosion Control	1	JOB	LS	10,000	4,500	45.0	-
	Removal of Existing Flap Gates	1	JOB	LS	3,000	1,350	45.0	-
	Removal of Existing Sluice Gatea	1	JOB	LS	8,000	3,600	45.0	-
	Remove existing WSP (6-48")							
	Cast-in-place Concrete Slab	10	CY	1,000	10,000	4,500	45.0	-
	Cast-in-place concrete Wall	5	CY	2,500	12,500	5,625	45.0	-
	Install Heavy Duty Slide Gates with Electric Actuators	4	EA	158,250	633,000	284,850	45.0	-
	Flap Gates (Rectangular)	4	EA	28,188	112,752	50,738	45.0	-
	Power and Controls for Gate Actuators	1	JOB	LS	50,000	22,500	45.0	-
	Misc. Metalwork & Gate Stem Enclosure	1	JOB	LS	75,000	33,750	45.0	-
	RD 1000 Pumping Plant No 1 B							
	Mob, Demob & Preparatory Work	1	JOB	LS	180,643	81,289	45.0	-
	Traffic Control	1	JOB	LS	119,844	53,930	45.0	-
	Temporary Fencing	2,600	LF	5.83	15,158	6,821	45.0	-
	Erosion Control	1	ACR	1,890.00	1,890	851	45.0	-
	AC Pavement removal	2,500	SF	2.35	5,875	2,644	45.0	-
	Excavate, fill & compact soil to remove existing piping	833	CY	5.52	4,598	2,069	45.0	-
	Remove existing WSP (6-48")	300	LF	27.12	8,136	3,661	45.0	-
	Positive Closure Vault	1	JOB	LS	70,108	31,549	45.0	-
	Closure Valve, 48-inch	6	EA	14,142.79	84,857	38,186	45.0	-
	Dismantling Joint, 48-inch	6	EA	16,298.66	97,792	44,006	45.0	-
	Siphon Breakers (6-48")	6	EA	10,186.66	61,120	27,504	45.0	-
	Backfill for Pipe Xing above levee	222	CY	40.74	9,044	4,070	45.0	-
	Crushed Aggregate Subbase	180	TON	36.39	6,550	2,948	45.0	-
	ABC	75	TON	39.31	2,948	1,327	45.0	-
	AC Pavement	27	TON	123.71	3,340	1,503	45.0	-
	Remove & Replace, Drainage Pumps & Motors	6	EA	186,149.48	1,116,897	502,604	45.0	-
	Electrical Control Equipment	1	JOB	LS	336,160	151,272	45.0	-
	Locate & Relocate Utils prior to excavation	1	JOB	LS	13,582	6,112	45.0	-
	Bryte Bend Well Relocation	1	JOB	LS	312,500	140,625	45.0	-
	Riverside Canal, SREL 3 (EOPC) Relocation							
	Corp May 2012-Oct 31 2012							
	Mob & Demob	1	JOB	LS	50,000	22,500	45.0	-
	Demolition	1	JOB	LS	37,500	16,875	45.0	-
	Clearing & Grubbing	7	ACR	3,125	21,875	9,844	45.0	-
	Stripping	7	ACR	3,750	26,250	11,813	45.0	-
	Compacted Embankment	58,400	CY	6.25	365,000	164,250	45.0	-
	General Excavation	380	CY	4.38	1,664	749	45.0	-
	Concrete Canal Lining	380	CY	312.50	118,750	53,438	45.0	-
	Class 2 Aggregate Base	1,900	TON	31.25	59,375	26,719	45.0	-
	Field Irrigation Turnout	3	EA	7,500	22,500	10,125	45.0	-
	Erosion Control Seeding	3.60	ACR	5,000	18,000	8,100	45.0	-
	Water Control Facilities	1	JOB	LS	63,750	28,688	45.0	-
	Misc Sitework	1	JOB	LS	8,750	3,938	45.0	-
	Riverside Canal, SREL 3B (EOPC) Relocation							
	May 2012-Oct 31 2012							
	Mob & Demob	1	JOB	LS	187,500	84,375	45.0	-
	Demolition	1	JOB	LS	93,750	42,188	45.0	-
	Clearing & Grubbing	17	ACR	3,125	53,125	23,906	45.0	-
	Stripping	17	ACR	3,750	63,750	28,688	45.0	-
	Compacted Embankment	83,600	CY	6.25	522,500	235,125	45.0	-
	General Excavation	300	CY	4.38	1,314	591	45.0	-
	Concrete Canal Lining	2,300	CY	312.50	718,750	323,438	45.0	-
	Class 2 Aggregate Base	3,800	TON	31.25	118,750	53,438	45.0	-
	Field Irrigation Turnout	5	EA	7,500	37,500	16,875	45.0	-
	Erosion Control Seeding	5.00	ACR	5,000	25,000	11,250	45.0	-
	30-IN HDPE Pipeline	5,900	LF	275	1,622,500	730,619	45.0	-
	Water Control Facilities	1	JOB	LS	150,000	67,500	45.0	-
	Misc Sitework	1	JOB	LS	20,000	9,000	45.0	-
02031815	Mechanical							
	Private Irrigation Facility Relocation (Tennet-Labvitch)							
	Mob/Demob	1	JOB	LS	67,911	30,560	45.0	-
	Temporary Protective Fencing	240	LF	5.83	1,399	630	45.0	-
	Demolition	1	JOB	LS	4,897	2,204	45.0	-
	Domestic Well Abandonment - APN 274-0260-0XX	1	JOB	LS	5,840	2,628	45.0	-
	10-inch Gate Valve in Box	2	EA	3,130.42	6,261	2,817	45.0	-
	3-inch Siphon/Air Valve in Vault	2	EA	6,791.00	13,582	6,112	45.0	-
	10-inch WSP	50	LF	378.69	18,935	8,521	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Bollards	4	EA	615.43	2,462	1,108	45.0	-
	Well							
	Mob/Demob	1	JOB	LS	20,373	9,168	45.0	-
	Well Site Cleanup	1	JOB	LS	1,358	611	45.0	-
	Well Disinfection	1	JOB	LS	2,988	1,345	45.0	-
	Water Quality Testing	1	JOB	LS	2,037	917	45.0	-
	40 HP Vertical Turbine Well Pump	1	EA	52,260.00	52,260	23,517	45.0	-
	Well Development and Testing	1	JOB	LS	70,972	31,937	45.0	-
	Sanitary Sealing	50	VLF	83.45	4,173	1,878	45.0	-
	Filter Pack	250	VLF	109.81	27,453	12,354	45.0	-
	Wire Wrapped Well Screen	100	VLF	576.26	57,626	25,932	45.0	-
	Blank Casing (16-IN diameter)	110	VLF	322.11	35,432	15,944	45.0	-
	16-IN Well Casing	80	VLF	322.11	25,769	11,596	45.0	-
	Borehole drilling (26-IN diameter)	300	VLF	209.64	62,892	28,301	45.0	-
	30-IN Conductor Casing	50	VLF	593.75	29,688	13,360	45.0	-
	Outer Borehole Drilling (36-IN diameter)	50	VLF	209.64	10,482	4,717	45.0	-
	Test Boring	350	VLF	116.47	40,765	18,344	45.0	-
	Water Lines	200	LF	160.46	32,092	14,441	45.0	-
02031815	Electrical							
	Utility Pole Relocation - Reach A1	20	EA	10,000	200,000	90,000	45.0	-
	Utility Pole Relocation - Reach A2	60	EA	10,000	600,000	270,000	45.0	-
020399	Associated General Items:							
02039902	Site Work:							
	Retaining Wall	150	LF	409.77	61,466	27,660	45.0	-
	Rock Reventment							
	Import & Place Quarry Stone	925	TON	50.66	46,861	21,087	45.0	-
	Subtotal, Construction Costs:				\$12,180,344			
	Contingencies @ average of	44.6 % +/- *				\$5,431,494		A
02	RELOCATIONS				TOTAL:	\$17,611,838		
30	PLANNING, ENGINEERING & DESIGN - Relocation					730,820	326,239	44.6 -
30	SUNK COSTS					3,931		
		FY 2007		889				
		FY 2010		3,042				
	Subtotal					\$734,751		
	Contingencies @ average of	44.4 % +/- *				\$326,239		A
30	PLANNING, ENGINEERING & DESIGN - Relocation				TOTAL:	\$1,060,990		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation					974,430	434,557	44.6 -
	Subtotal					\$974,430		
	Contingencies @ average of	44.6 % +/- *				\$434,557		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				TOTAL:	\$1,408,987		
	Reach B							
	FEDERAL							
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				6,363	954	15.0	-
A01180302	Gross Appraisal/Report				24,543	3,681	15.0	-
A01180303	Prelim Real Estate Acquistn Maps				9,512	1,427	15.0	-
A01180304	Physical Takngs Analysis Reports				1,299	195	15.0	-
A01180305	Prelim Attys Opinion of Compsnbl				1,299	195	15.0	-
A01180307	All Other Real Estate Analy/Docs				8,344	1,252	15.0	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				238,680	35,802	15.0	-
A01230305	Real Estate Appraisal Documents				33,660	5,049	15.0	-
A01230317	Real Estate LERRD Crediting Docs				497,660	75,085	15.1	-
	Subtotal, Construction Costs:				\$821,360			
	Contingencies @ average of	15.1 % +/- *				\$123,640		A

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
A01	LANDS AND DAMAGES, Administration				TOTAL:		\$945,000	
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							
	AECOM, 2010, estimates \$150,000 per acre for mitigation bank	10.90	ACR	150,000	1,635,000	0	0.0	-
	Subtotal, Construction Costs:				<u>\$1,635,000</u>			
06	FISH AND WILDLIFE FACILITIES				TOTAL:		\$1,635,000	
06	FISH AND WILDLIFE FACILITIES - Section 104 ??????							
06	SUNK COSTS				41,000			
	Section 104	FY 2009		14,470				
	Section 104	FY 2010		26,530				
	Subtotal, Construction Costs:				<u>\$41,000</u>			
06	FISH AND WILDLIFE FACILITIES - Section 104 ??????				TOTAL:		\$41,000	
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110199	Associated General Items:							
11019902	Site Work:							
	W Drainage Canal (EOPC) April 2012- Oct 2012							
	Corp							
	Mob & Demob	1	JOB	LS	60,471	27,212	45.0	-
	Demolition	1	JOB	LS	125,000	56,250	45.0	-
	Clearing & Grubbing	1	JOB	LS	112,500	50,625	45.0	-
	Stripping	23	ACR		9,375	215,625	97,031	45.0
	Excavation	56,173	CY		11.88	667,054	299,819	44.9
	Fill	20,400	CY		4.38	89,250	40,163	45.0
	Subtotal, Construction Costs:					<u>\$1,269,900</u>		
	Contingencies @ average of	45.0	% +/- *				<u>\$571,100</u>	
11	LEVEES AND FLOODWALLS				TOTAL:		\$1,841,000	
11	LEVEES AND FLOODWALLS - Section 104							
11	SUNK COSTS				29,802,244			
	Demo, Structure Demo, Tree Removal, Contract FY 2010 4047 May 2010 Sep 31 2010 FY10 Complete				198,647			
	GGs Drainage Canal, Schoolhouse Rd Pipeline FY 2010 & Teal Bend Pipeline, Contract 4046 May 2010 Sep 31 2010 FY10 Complete				5,176,326			
	Levees, Contract 4046 May 2010 May 2010 Sep 31 2010 FY10 Complete				19,193,057			
	Airport N Borrow Sites 2, 2A & 6 & S Sutter, Contract 4046 May 2010 Sep 31 2010 FY10 Complete				5,234,214			
1101	LEVEES							
110199	Associated General Items:							
11019902	Site Work:							
	Levees, (SREL 3) (EOPC) April 2011- Oct 2011 Non-Fed							
	Mob/Demob	1	JOB	LS	1,150,976	172,646	15.0	-
	SWPP	1	JOB	LS	60,000	9,000	15.0	-
	Temporary Protective Fencing	2,200	LF	4.50	9,900	1,485	15.0	-
	Mowing & Discing	21.90	ACR	1,500	32,850	4,928	15.0	-
	Clearing & Grubbing	150.10	ACR	2,000	300,200	45,030	15.0	-
	Levee & Canal Stripping	150.10	ACR	3,500	525,350	78,803	15.0	-
	Demolition	1	JOB	LS	50,000	7,500	15.0	-
	Excavate Stability Berm	76,700	CY	12.00	920,400	138,060	15.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Levee Foundations & Misc Excavation	197,400	CY	7.00	1,381,800	207,270	15.0	-
	Inspection Trench Excavation	89,000	CY	7.00	623,000	93,450	15.0	-
	Random Fill	1,271,100	CY	4.15	5,275,065	791,260	15.0	-
	Levee Embankment Fill	1,150,200	CY	7.21	8,292,942	1,247,624	15.0	-
	DSM Cutoff Wall	239,900	SF	10.81	2,593,319	388,998	15.0	-
	Erosion Control Seeding	188.20	SY	3,500	658,700	98,805	15.0	-
	Class 2 Aggregate Base	33,200	TN	60	1,992,000	298,800	15.0	-
	Unsuitable Debris	5,000	TN	52.40	262,000	39,300	15.0	-
	Construct Interim Termination	1	JOB	LS	34,755	5,213	15.0	-
	Remove Interim Termination	1	JOB	LS	7,241	1,086	15.0	-
	Subtotal, Construction Costs:				\$53,972,742			
	Contingencies @ average of	15.0 % +/- *				\$3,629,258		
11	LEVEES AND FLOODWALLS - Section 104			TOTAL:		\$57,602,000		
18	CULTURAL RESOURCE PRESERVATION							
	1% of Federal Obligations				875,000	26,000	3.0	
	Subtotal, Construction Costs:				\$875,000			
	Contingencies @ average of	3.0 % +/- *				\$26,000		A
18	CULTURAL RESOURCE PRESERVATION			TOTAL:		\$901,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				1,530,100			
		FY 2009		309,700				
		FY 2010		1,220,400				
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				7,720	1,158	15.0	-
30230101	Survey Markers				4,990	749	15.0	-
30230101	Hydraulics Studies				9,080	1,362	15.0	-
30230101	Hydrology				4,540	681	15.0	-
30230101	Structural Design				1,360	204	15.0	-
30230102	Civil Design Analysis				4,990	749	15.0	-
30230102	Prepare Specs- Front End				2,270	341	15.0	-
30230102	Civil Design Prepare Tec Specs				3,400	510	15.0	-
30230102	Civil Design Prepare Plans				7,940	1,191	15.0	-
30230102	Review P&S(ITR)				3,400	510	15.0	-
30230104	BCOE Review and Certification				2,270	341	15.0	-
30230104	Revise P&S				2,270	341	15.0	-
30230105	Geotechnical Studies(Geol and Soils)				9,080	1,362	15.0	-
30230105	Revegetation Plan				10,550	1,583	15.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				2,950	443	15.0	-
30230403	Mitigation Analysis Report				2,720	408	15.0	-
30230404	Fish and Wildlife Coordination Act Report				3,400	510	15.0	-
30230410	NPDES Permit/SPPCP				1,130	170	15.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				4,540	681	15.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				5,670	851	15.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				4,540	681	15.0	-
30230703	Cost Estimates-Contract				4,540	681	15.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				2,270	341	15.0	-
30230801	Other Studies (ECIFP)				910	137	15.1	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				2,270	341	15.0	-
30230903	Repro				1,130	170	15.0	-
30230907	Award Contract				450	68	15.1	-
302310	ENGINEERING & DESIGN DURING							
30231402	Amendments to P&S				9,080	1,362	15.0	-
3024	VALUE ENGINEERING ANALYSIS				2,270	341	15.0	-
3025	CLOSE OUT				2,950	443	15.0	-
302501	Physical Closeout Documents				2,720	408	15.0	-
302501	Local Sponsor Audit				2,270	341	15.0	-
302501	USACE Audit				2,270	341	15.0	-
302501	OMRR&R Manual				4,540	681	15.0	-
3026	PROGRAMS AND PROJECT MGMT				15,890	2,749	17.3	-
	Subtotal				\$1,682,470			

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
	Contingencies @ average of	Effective Price Level (EPL): 1-Oct-2010 15.2 % +/- *				\$23,230		A
30	PLANNING, ENGINEERING & DESIGN			TOTAL:		\$1,705,700		
30	PLANNING, ENGINEERING & DESIGN - Section 104			6% of Remaining	1,450,230	217,896	15.0	-
30	SUNK COSTS				32,546,874			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		333,581				
	SECTION 104	FY 2007		797,924				
	SECTION 104	FY 2008		6,152,775				
	SECTION 104	FY 2009		12,765,860				
	SECTION 104	FY 2010		12,496,734				
	Subtotal				\$33,997,104			
	Contingencies @ average of			15.0 % +/- *		\$217,896		A
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:		\$34,215,000		
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				33,860	14,911	44.0	-
31231102	Area Office S&A Documents				10,590	4,766	45.0	-
31231103	District Office S&A Documents				2,110	950	45.0	-
31231103	Contract Mods & Negotiations				1,270	572	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				23,370	10,517	45.0	-
312602	Funds Control Documents				4,240	1,908	45.0	-
312603	Trip Reports				2,110	950	45.0	-
312604	Upward reporting Documents				1,270	572	45.0	-
312605	Budgetary Documents				1,700	765	45.0	-
312606	Project Authorization Documents				2,110	950	45.0	-
312607	Annual Notification Ltr				1,060	477	45.0	-
312608	Fact Sheets				6,320	2,844	45.0	-
312609	Correspondance(Congress/State)				2,110	950	45.0	-
312610	Schedule and Cost Changes				2,540	1,143	45.0	-
312611	Project Work Directives				1,270	572	45.0	-
312612	Project Closeout Coord Documents				1,270	572	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				2,110	950	45.0	-
312614	All Other Programs/PM Documents				1,270	572	45.0	-
312615	Mitigation Construction				1,020	459	45.0	-
	Subtotal				\$101,600			
	Contingencies @ average of			44.7 % +/- *		\$45,400		A
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:		\$147,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			8% of Remaining	1,933,640	290,046	15.0	-
31	SUNK COSTS				4,190,314			
	SECTION 104	FY 2008		2,129				
	SECTION 104	FY 2009		432,608				
	SECTION 104	FY 2010		3,755,577				
	Subtotal				\$6,123,954			
	Contingencies @ average of			15.0 % +/- *		\$290,046		A
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			TOTAL:		\$6,414,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				367,200	18,400	5.0	-
01230302	Real Estate Acquisition Documents				2,952,900	442,900	15.0	-
01230303	Real Estate Condemnation Documents				3,373,650	168,700	5.0	-
01230305	Real Estate Appraisal Documents				459,000	68,900	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				25,000	3,800	15.2	-
01230307	Real Estate Rts of Entry/TempPermt				344,250	17,200	5.0	-
01230315	Real Estate Payment Documents				37,543,918	15,365,182	40.9	-
	Subtotal, Construction Costs:				\$45,065,918			

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
	Contingencies @ average of						\$16,085,082	A
		Effective Price Level (EPL): 1-Oct-2010						
								35.7 % +/- *
01	LANDS AND DAMAGES							
								TOTAL: \$61,151,000
02	RELOCATIONS							
02	SUNK COSTS				4,711,874			
	Relocations, Roads, Contract 4046 May 2010 FY 2010 Sep 31 2010 FY10 Complete			1,040,476				
	Elkhorn Irr Canal, Phase 2A, Contract 4047 May 2010 Sep 31 2010 FY10 Complete			1,766,328				
	Relocations, Private Irr Fac, Contract 4047 May 2010 Sep 31 2010 FY10 Complete			1,524,578				
	Elkhorn PP, Contract 4046 May 2010 Sep 31 2010 FY10 Complete			374,028				
	Underground Electrical Conduit for Street Light Contract 4046 May 2010 Sep 31 2010 FY10 Complete			1,925				
	Relocate Street Light Contract 4046 May 2010 Sep 31 2010 FY10 Complete			4,539				
0201	ROADS, Construction Activities							
020139	Road Surfacing							
02013902	Site Work:							
	Relocations, Road, (EOPC) (SREL 3) April 2011- Oct 2011							
	Mob/Demob	1	JOB	LS	51,174	7,676	15.0	-
	Temporary Traffic Control System	1	JOB	LS	100,000	15,000	15.0	-
	Drainage Inlet Type "F" (including grate)	5	EA	1,300	6,500	975	15.0	-
	RCP, 24-inch, under roadway	120	LF	202.98	24,358	3,654	15.0	-
	RCP, 24-inch (non-paved areas)	221.50	LF	134.60	29,814	4,472	15.0	-
	Manhole	4	EA	3,153.10	12,612	1,892	15.0	-
	Rock Slope Protection - Type 1	86.70	TN	85	7,370	1,106	15.0	-
	Rock Slope Protection - Type 2	264.20	TN	70	18,494	2,774	15.0	-
	Bedding Material	55.20	TN	65	3,588	538	15.0	-
	Saw Cutting	900	LF	4.00	3,600	540	15.0	-
	Remove AC Surfacing	5,050	SY	20	101,000	15,150	15.0	-
	Roadway Excavation	4,350	CY	30	130,500	19,575	15.0	-
	Asphalt Concrete Paving	1,720	TN	120	206,400	30,960	15.0	-
	Lime Modified Soil	1,950	CY	20	39,000	5,850	15.0	-
	Class 2 Aggregate Base	2,560	TN	60	153,600	23,040	15.0	-
	Compacted Subbase	4,800	CY	33.15	159,120	23,868	15.0	-
	Furnish & Install New Sign	4	EA	237.04	948	142	15.0	-
	Remove Roadside Sign	1	EA	59.26	59	9	15.3	-
	Relocate Roadside Sign	9	EA	399.54	3,596	539	15.0	-
	Sign, Roadside - One Post	10	EA	321.94	3,219	483	15.0	-
	4-inch Solid Yellow Thermoplastic Stripe	2,010	LF	0.59	1,186	178	15.0	-
	4-inch Solid White Thermoplastic Stripe	4,510	LF	0.59	2,661	399	15.0	-
	12-inch Solid White Thermoplastic Stripe	120	LF	6.43	772	116	15.0	-
	Thermoplastic Pavement Marking	70	SF	6.43	450	68	15.1	-
	Pavement Marker (retro reflective)	170	EA	4.29	729	109	15.0	-
	Pipe Gate	8	EA	1,737.75	13,902	2,085	15.0	-
	Riverside Canal, SREL 3 (EOPC) April 2011- Oct 2011							
	Mob & Demob	1	JOB	LS	200,000	30,000	15.0	-
	Demolition	1	JOB	LS	150,000	22,500	15.0	-
	Clearing & Grubbing	28	ACR	3,125	87,500	13,125	15.0	-
	Stripping	28	ACR	3,750	105,000	15,750	15.0	-
	Compacted Embankment	233,600	CY	6.25	1,460,000	219,000	15.0	-
	General Excavation	1,520	CY	4.38	6,650	997	15.0	-
	Concrete Canal Lining	1,520	CY	312.50	475,000	71,250	15.0	-
	Class 2 Aggregate Base	7,600	TN	31.25	237,500	35,625	15.0	-
	Field Irrigation Turnout	14	EA	7,500	105,000	15,750	15.0	-
	Erosion Control Seeding	14.40	ACR	5,000	72,000	10,800	15.0	-
	Plant 3 Intake Channel Pipe Crossing	1	JOB	LS	868,750	130,313	15.0	-
	Plant 3 Recirculation Outfall	1	JOB	LS	218,750	32,813	15.0	-
	Riverside Pumping Plant Outfall	1	JOB	LS	182,500	27,375	15.0	-
	Water Control Facilities	1	JOB	LS	255,000	38,250	15.0	-
	Misc Sitework	1	JOB	LS	35,000	5,250	15.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020318	Utilities							
02031815	Mechanical							
	Pumping Plants							
	Elkhorn PP, Remaining (EOPC) April 2011- Oct 2011	1	JOB	LS	2,921,059	438,159	15.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	RD1000 PP No5 (EOPC) April 2011- Oct 2011	1	JOB	LS	3,951,254	592,688	15.0	-
	RD1000 PP No 3 (EOPC) April 2011- Oct 2011	1	JOB	LS	3,816,902	572,535	15.0	-
	Riverside PP, Ph1 (EOPC) April 2011- Oct 2011	1	JOB	LS	297,101	44,565	15.0	-
	Riverside PP, Ph2 (EOPC) April 2011- Oct 2011	1	JOB	LS	1,298,444	194,767	15.0	-
	Levee Improvements for delayed PP relocations, EOPC							
	Mob/Demob	1	JOB	LS	125,000	56,250	45.0	-
	Storm Water Pollution Control	18	ACR	5,000.00	90,000	40,500	45.0	-
	Traffic Control	1	JOB	LS	25,000	11,250	45.0	-
	Clearing & Grubbing	18	ACR	3,125.00	56,250	25,313	45.0	-
	Levee Stripping	18	ACR	6,250.00	112,500	50,625	45.0	-
	Borrow Site Surface Layer Removal, Stockpile & Respread	21	ACR	6,875.00	144,375	64,969	45.0	-
	Borrow Site Excavation	168,000	CY	6.25	1,050,000	472,500	45.0	-
	Levee Embankment Degrade	45,100	CY	5.00	225,500	101,475	45.0	-
	Canal Cut	20,000	CY	5.00	100,000	45,000	45.0	-
	Embankment Fill	220,100	CY	3.75	825,375	371,419	45.0	-
	Cutoff Wall	164,400	SF	8.13	1,336,572	601,810	45.0	-
	Revegetation	18	ACR	2,812.50	50,625	22,781	45.0	-
	Cutoff Wall - reduced	(110,000)	SF	8.13	(894,300)	(402,435)	45.0	-
	Subtotal, Construction Costs:				\$25,776,833			
	Contingencies @ average of	19.6 % +/- *				\$4,134,167		A
02	RELOCATIONS					\$29,911,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation	6% of Remaining			1,263,900	247,645	19.6	-
30	SUNK COSTS				101,455			
		FY 2008		3,064				
		FY 2009		26,561				
		FY 2010		71,830				
	Subtotal				\$1,365,355			
	Contingencies @ average of	18.1 % +/- *				\$247,645		A
30	PLANNING, ENGINEERING & DESIGN - Relocation					\$1,613,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation	8% of Remaining			1,685,200	330,679	19.6	-
31	SUNK COSTS				93,121			
		FY 2007		3,554				
		FY 2008		1,975				
		FY 2009		169				
		FY 2010		87,423				
	Subtotal				\$1,778,321			
	Contingencies @ average of	18.6 % +/- *				\$330,679		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation					\$2,109,000		
Reach C								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				1,551	200	12.9	-
A01180302	Gross Appraisal/Report				5,984	900	15.0	-
A01180303	Prelim Real Estate Acquistn Maps				2,319	300	12.9	-
A01180304	Physical Takngs Analysis Reports				317	0	0.0	-
A01180305	Prelim Attys Opinion of Compsnbl				317	0	0.0	-
A01180307	All Other Real Estate Anly/Docs				5,815	900	15.5	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				73,320	11,000	15.0	-
A01230305	Real Estate Appraisal Documents				10,340	1,600	15.5	-
A01230317	Real Estate LERRD Crediting Docs				156,340	23,797	15.2	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Subtotal, Construction Costs:				\$256,303			
	Contingencies @ average of	15.1 % +/- *				\$38,697		A
A01	LANDS AND DAMAGES, Administration						\$295,000	
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							
	AECOM, 2010, estimates \$150,000 per acre for mitigation bank	1.50	ACR	150,000	225,000	0	0.0	-
	Subtotal, Construction Costs:				\$225,000			
06	FISH AND WILDLIFE FACILITIES						\$225,000	
06	FISH AND WILDLIFE FACILITIES - Section 104							
06	SUNK COSTS				1,686,000			
	FW Mitigation, Contract 4029 3/31/09-9/28/09 except for Maintenance	FY 2009		621,350				
	Maintenance	FY 2010		517,403				
	FW Mitigation, Contract 4055 6 2010 - Sep 30 2010	FY 2009		191,663				
	Maintenance	FY 2010		355,584				
	Subtotal, Construction Costs:				\$1,686,000			
06	FISH AND WILDLIFE FACILITIES - Section 104						\$1,686,000	
11	LEVEES AND FLOODWALLS - Section 104							
11	SUNK COSTS				21,377,559			
	Levees, Contract 3980 5/09 -7/10 95% in FY09	FY 2009		1,610,528				
	Levees, Contract 3980 5% in FY10	FY 2010		84,765				
	Levees, Contract 4032 8/15/09 - 9/30/10	FY 2009		2,881,552				
	Levees, Contract 4032 8/15/09 - 9/30/10	FY 2010		2,881,552				
	Levees_2, Contract 4032 5/1/10 - 9/30/10	FY 2010		1,111,865				
	Levees, Borrow Sites, Contract 4032 8/15/09 - 9/30/10	FY 2009		4,498,733				
	Levees, Borrow Sites, Contract 4032 8/15/09 - 9/30/10	FY 2010		4,498,733				
	Levees, Contract 4046 (portion within Reach C) May 2010 Sep 31 2010 FY10 Complete	FY 2010		2,321,806				
	Levees, Borrow Sites, Contract 4046 (for portion supplying borrow to Reach C) May 2010 Sep 31 2010 FY10 Complete	FY 2010		1,488,025				
1101	LEVEES							
	Levees, Airport West Ditch Improvements, EOPC 5/1/11- 9/20/11 Non - Fed							
	Mob/Demob	1	JOB	LS	95,750	14,363	15.0	-
	Storm Water Pollution Control	1	JOB	LS	12,500	1,875	15.0	-
	Protective Barrier Fencing	8,300	LF	5.63	46,688	7,003	15.0	-
	Exclusionary Silt Fencing	500	LF	2.50	1,250	188	15.0	-
	Remove & Dispose, AC Surfacing	8,600	SY	7.50	64,500	9,675	15.0	-
	Remove & Waste Concre Canal Lining at Reservoir Road Canal & Jacob's Slough Drain	1	JOB	LS	12,500	1,875	15.0	-
	Remove & Waste Concrete Drop structure and Appurtenances (Sta 34+15)	1	JOB	LS	37,500	5,625	15.0	-
	Remove & Waste Concrete Weir Structure (Sta 31+45)	1	JOB	LS	6,250	937	15.0	-
	Remove & Waste Culverts Under Airport Fence	1	JOB	LS	7,500	1,125	15.0	-
	Remove & Waste Concrete Slope Protection (9 locations)	1	JOB	LS	11,250	1,688	15.0	-
	Remove & Waste Field Drain Pipe	430	LF	18.75	8,063	1,209	15.0	-
	Remove & Waste 54" CMP Culvert (Sta 27+34)	1	JOB	LS	6,250	937	15.0	-
	Remove & Waste 54" CMP Culvert (Sta 67+76)	1	JOB	LS	6,250	937	15.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Remove & Waste Irrigation Pump & Pipeline (Sta 68+20)	1	JOB	LS	12,500	1,875	15.0	-
	Remove & Waste Concrete Structures (Sta 77+10)	1	JOB	LS	1,250	188	15.0	-
	Remove & Waste 24" Steel Irrigation Supply Pipe (Sta 93+06)	100	SF	15.00	1,500	225	15.0	-
	Site Stripping	23.70	ACR	3,750	88,875	13,331	15.0	-
	Excavation	26,000	CY	4.38	113,750	17,063	15.0	-
	Canal Embankment	49,000	CY	6.25	306,250	45,938	15.0	-
	Rock Slope Protection - Type 4	1,100	TN	75.00	82,500	12,375	15.0	-
	Rock Slope Protection Bedding Material	600	TN	62.50	37,500	5,625	15.0	-
	Dewatering	1	JOB	LS	12,500	1,875	15.0	-
	Concrete Slope Protection	140	TN	437.50	61,250	9,187	15.0	-
	12-inch CMP	665	LF	56.25	37,406	5,611	15.0	-
	18-inch RCP	32	LF	87.50	2,800	420	15.0	-
	24-inch RCP	32	LF	125	4,000	600	15.0	-
	30-inch RCP	32	LF	231.25	7,400	1,110	15.0	-
	36-inch RCP	64	LF	312.50	20,000	3,000	15.0	-
	48-inch RCP	64	LF	375.00	24,000	3,600	15.0	-
	RCP, 54-inch	32	LF	443.75	14,200	2,130	15.0	-
	RCP - 60-inch	248	LF	537.50	133,300	19,995	15.0	-
	Class 2 Aggregate Base	6,410	TN	31.25	200,313	30,047	15.0	-
	Asphalt Concrete Paving	3,550	TN	150.00	532,500	82,301	15.5	-
	Saw Cutting	100	LF	5.00	500	75	15.0	-
	Seeding - Type 2 Mix	24.60	ACR	5,000	123,000	18,450	15.0	-
	Remove & Replace Airport Signage	1	JOB	LS	1,250	188	15.0	-
	Subtotal, Construction Costs:				\$23,512,354			
	Contingencies @ average of	15.1 % +/- *				\$322,646		
11	LEVEES AND FLOODWALLS - Section 104				TOTAL:	\$23,835,000		
18	CULTURAL RESOURCE PRESERVATION							
	1% of Federal Obligations				473,000	(5,000)	-1.1	
	Subtotal, Construction Costs:				\$473,000			
18	CULTURAL RESOURCE PRESERVATION				TOTAL:	\$468,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS					805,400		
		FY 2009			163,000			
		FY 2010			642,400			
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				6,490	973	15.0	-
30230101	Survey Markers				4,200	630	15.0	-
30230101	Hydraulics Studies				7,630	1,145	15.0	-
30230101	Hydrology				3,810	572	15.0	-
30230101	Structural Design				1,140	171	15.0	-
30230102	Civil Design Analysis				4,200	630	15.0	-
30230102	Prepare Specs- Front End				1,910	287	15.0	-
30230102	Civil Design Prepare Tec Specs				2,860	429	15.0	-
30230102	Civil Design Prepare Plans				6,680	1,002	15.0	-
30230102	Review P&S(ITR)				2,860	429	15.0	-
30230104	BCOE Review and Certification				1,910	287	15.0	-
30230104	Revise P&S				1,910	287	15.0	-
30230105	Geotechnical Studies(Geol and Soils)				7,630	1,145	15.0	-
30230105	Revegetation Plan				8,870	1,331	15.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				2,480	372	15.0	-
30230403	Mitigation Analysis Report				2,290	344	15.0	-
30230404	Fish and Wildlife Coordination Act Report				2,860	429	15.0	-
30230410	NPDES Permit/SPPCP				950	143	15.1	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				3,810	572	15.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				4,770	716	15.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				3,810	572	15.0	-
30230703	Cost Estimates-Contract				3,810	572	15.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				1,910	287	15.0	-
30230801	Other Studies (ECIFP)				760	114	15.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				1,910	287	15.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230903	Repro				950	143	15.1	-
30230907	Award Contract				380	57	15.0	-
302310	ENGINEERING & DESIGN DURING				7,630	1,145	15.0	-
30231402	Amendments to P&S				1,910	287	15.0	-
3024	VALUE ENGINEERING ANALYSIS				2,480	372	15.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				2,290	344	15.0	-
302501	Local Sponsor Audit				1,910	287	15.0	-
302501	USACE Audit				1,910	287	15.0	-
302501	OMRR&R Manual				3,810	572	15.0	-
3026	PROGRAMS AND PROJECT MGMT				13,360	2,390	17.9	-
	Subtotal				\$933,490			
	Contingencies @ average of	15.3 % +/- *				\$19,610		A
30	PLANNING, ENGINEERING & DESIGN					\$953,100		
30	PLANNING, ENGINEERING & DESIGN - Section 104			6% of Remaining	128,088	19,213	15.0	-
30	SUNK COSTS				22,565,699			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		613,025				
	SECTION 104	FY 2007		4,087,669				
	SECTION 104	FY 2008		9,490,873				
	SECTION 104	FY 2009		7,095,786				
	SECTION 104	FY 2010		1,278,346				
	Subtotal				\$22,693,787			
	Contingencies @ average of	15.0 % +/- *				\$19,213		A
30	PLANNING, ENGINEERING & DESIGN - Section 104					\$22,713,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			8% of Remaining	170,784	25,618	15.0	-
31	SUNK COSTS				4,195,598			
	SECTION 104	FY 2007		20,441				
	SECTION 104	FY 2008		160,500				
	SECTION 104	FY 2009		1,307,370				
	SECTION 104	FY 2010		2,707,287				
	Subtotal				\$4,366,382			
	Contingencies @ average of	15.0 % +/- *				\$25,618		A
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104					\$4,392,000		
NON-FEDERAL								
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				112,800	5,600	5.0	-
01230302	Real Estate Acquisition Documents				907,100	136,100	15.0	-
01230303	Real Estate Condemnation Documents				1,036,350	51,800	5.0	-
01230305	Real Estate Appraisal Documents				141,000	21,200	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				20,000	3,000	15.0	-
01230307	Real Estate Rts of Entry/TempPermt				105,750	5,300	5.0	-
01230315	Real Estate Payment Documents				9,430,076	4,202,924	44.6	-
	Subtotal, Construction Costs:				\$11,753,076			
	Contingencies @ average of	37.7 % +/- *				\$4,425,924		A
01	LANDS AND DAMAGES					\$16,179,000		
02	RELOCATIONS							
02	SUNK COSTS				3,234,249			
	Relocations, Roadways, Contract 3980 5/09 - 7/10 95% in FY09	FY 2009		603,475				
	Relocations, Roadways, Contract 3980 5/09 - 7/10 5% in FY10			31,762				
	Relocations, Roadways, Contract 4032 8/15/09 9/30/10 20% for FY09	FY 2009		128,510				

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Relocations, Roadways, Contract FY 2010				514,041			
4032	8/15/09 - 9/30/10 80% for FY10							
	Relocations, Roadways, Contract 4046 (portion within Reach C) May 2010 Sep 31 2010 FY10 Complete				318,195			
	Relocations, Private Irr Fac, Contract 3980 in FY09				262,063			
	Relocations, Private Irr Fac, Contract 3980 5% in FY10				13,793			
	Relocations, Private Irr Fac, Contract 4032 8/15/09 - 9/30/10 20% for FY09				166,565			
	Relocations, Private Irr Fac, Contract 4032 8/15/09 - 9/30/10 80% for FY10				666,259			
	Relocations, Private River Diversion Replacement, Contract 4053 5/1/10-9/30/10				529,586			
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
	Relocations, RD1000 PP No 2, EOPC 4/1/12-9/30/12 Fed							
	Mob/Demob	1	JOB	LS	489,738	97,948	20.0	-
	Storm Water Pollution Control	1	JOB	LS	93,750	18,750	20.0	-
	Exclusionary Silt Fencing	1,800	LF	2.50	4,500	900	20.0	-
	Protective Barrier Fencing	500	LF	5.63	2,813	563	20.0	-
	Demolition	1	JOB	LS	62,500	12,500	20.0	-
	Salvage & Reinstall P-6 Drain Pump	1	JOB	LS	70,000	14,000	20.0	-
	Clearing & Grubbing	6	ACR	3,125	18,750	3,750	20.0	-
	Stripping	6	ACR	3,750	22,500	4,500	20.0	-
	Dewatering	1	JOB	LS	562,500	112,500	20.0	-
	Excavation	28,210	CY	18.75	528,938	105,788	20.0	-
	Bedding Material	500	TN	62.50	31,250	6,250	20.0	-
	Drain Rock	2,200	TN	43.75	96,250	19,250	20.0	-
	Embankment	12,090	CY	15.00	181,350	36,270	20.0	-
	Random Fill	2,820	CY	3.13	8,813	1,763	20.0	-
	Structural Fill	550	CY	37.50	20,625	4,125	20.0	-
	Metal Sheet Piling	200	VLF	1,625	325,000	65,000	20.0	-
	Rock Slope Protection - Type 1	1,350	TN	75	101,250	20,250	20.0	-
	Rock Slope Protection - Type 2	6,465	TN	75	484,875	96,975	20.0	-
	Geotextile	750	SY	3.75	2,813	563	20.0	-
	Geogrid	2,370	SY	10.00	23,700	4,740	20.0	-
	Welded Steel Pipe, 18-inch	115	LF	187.50	21,563	4,313	20.0	-
	42-IN Flexible Expansion Joint	1	EA	81,250	81,250	16,250	20.0	-
	30-IN Flexible Expansion Joint	2	EA	53,750	107,500	21,500	20.0	-
	Welded Steel Pipe, 30-inch	1,420	LF	375	532,500	106,500	20.0	-
	Welded Steel Pipe, 42-inch	710	LF	500	355,000	71,000	20.0	-
	Welded Steel Pipe, 36-inch	250	LF	437.50	109,375	21,875	20.0	-
	Butterfly Valve with Riser, 42-inch	1	EA	20,625	20,625	4,125	20.0	-
	Butterfly Valve with Riser, 30-inch	2	EA	16,250	32,500	6,500	20.0	-
	Water Well	1	JOB	LS	75,000	15,000	20.0	-
	RCP, 18-inch	71	LF	87.50	6,213	1,243	20.0	-
	RCP, 42-inch	64	LF	140	8,960	1,792	20.0	-
	RCP, 48-inch	206	LF	412.50	84,975	16,995	20.0	-
	Precast Box Culvert (GGS)	35	LF	625	21,875	4,375	20.0	-
	Class 2 Aggregate Base	8,920	TN	31.25	278,750	55,750	20.0	-
	4-IN Removable Bollard	15	EA	625	9,375	1,875	20.0	-
	6" Chainlink Fence	525	LF	62.50	32,813	6,563	20.0	-
	6" Permanent Bollard	9	EA	625	5,625	1,125	20.0	-
	Pipe Gate	1	EA	3,750	3,750	750	20.0	-
	16' Double Swing Gate	1	EA	3,750	3,750	750	20.0	-
	Header Board	541	LF	7.50	4,058	812	20.0	-
	Treepot4 Container Planting	10	EA	25	250	50	20.0	-
	Treeland Container Planting	167	EA	25	4,175	835	20.0	-
	Cutting	76	EA	27.50	2,090	418	20.0	-
	Willow Wattle	150	LF	15	2,250	450	20.0	-
	Seeding - Type 1 Mix	0.50	ACR	4,125	2,063	413	20.0	-
	Seeding - Type 2 Mix	7.50	ACR	5,000	37,500	7,500	20.0	-
	Mulching	14	CY	93.75	1,313	263	20.0	-
	Watering Application	280	EA	250	70,000	14,000	20.0	-
	Weeding - Mowing	25	EA	1,562.50	39,063	7,813	20.0	-
	Weeding - Herbicide	25	EA	1,250	31,250	6,250	20.0	-
	Weeding - Handpull	27	EA	625	16,875	3,375	20.0	-
	Mulching (Shredded Cedar Bark)	3	EA	1,250	3,750	750	20.0	-
	Pruning	3	EA	2,500	7,500	1,500	20.0	-
	Cast-in-Place Concrete	1,928	CY	1,250	2,410,000	482,000	20.0	-
	Control Building	1	JOB	LS	143,750	28,750	20.0	-
	Stoplogs	1	EA	139,375	139,375	27,875	20.0	-
	RD1000 Pump & Motor No 2 (250 HP)	2	EA	156,250	312,500	62,500	20.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	RD1000 Pump & Motor No 1 (500 HP)	1	EA	218,750	218,750	43,750	20.0	-
	Siphon-Air Release Valve in Vault	3	EA	9,375	28,125	5,625	20.0	-
	18" Flap Gate	2	EA	4,375	8,750	1,750	20.0	-
	36" Flap Gate	1	EA	7,500	7,500	1,500	20.0	-
	30" Flap Gate	2	EA	6,250	12,500	2,500	20.0	-
	42" Flap Gate	1	EA	8,750	8,750	1,750	20.0	-
	18-IN Gate Valve	1	EA	3,125	3,125	625	20.0	-
	Butterfly Valve with Riser, 30-inch	2	EA	6,875	13,750	2,750	20.0	-
	Butterfly Valve with Riser, 42-inch	1	EA	20,625	20,625	4,125	20.0	-
	Elkhorn Overflow Outfall	1	JOB	LS	5,000	1,000	20.0	-
	Flow Meter Vault	1	JOB	LS	43,750	8,750	20.0	-
	Plant 2 Intake	1	JOB	LS	12,500	2,500	20.0	-
	Plant 2 Outfall	1	JOB	LS	62,500	12,500	20.0	-
	Plant 2 Sump	1	JOB	LS	62,500	12,500	20.0	-
	Positive Closure Vault	1	JOB	LS	41,406	8,281	20.0	-
	Trashrakes	2	EA	206,250	412,500	82,500	20.0	-
	Equipment Cathodic Protection	1	JOB	LS	25,000	5,000	20.0	-
	Ppiping Cathodic Protection	2,202	LF	62.50	137,625	27,525	20.0	-
	Flow Meter	1	EA	52,500	52,500	10,500	20.0	-
	RD1000 Electrical	1	JOB	LS	450,000	90,000	20.0	-
	NMWC Electrical	1	JOB	LS	456,250	91,250	20.0	-
	Relocations, Prichard PP, EOPC 4/1/12-9/30/12							
	Fed							
	Mob/Demob	1	JOB	LS	208,318	41,664	20.0	-
	Protective Barrier Fencing	150	LF	5.63	844	169	20.0	-
	Exclusionary Silt Fencing	150	LF	2.50	375	75	20.0	-
	Saw Cutting	38	LF	5.00	190	38	20.0	-
	Clearing & Grubbing	1.25	ACR	3,125	3,906	781	20.0	-
	Prichard Pumping Plant Partial Demolition	1	JOB	LS	125,000	25,000	20.0	-
	Stripping	0.35	ACR	3,750	1,313	263	20.0	-
	Roadway Excavation	48	CY	62.50	3,000	600	20.0	-
	Excavation	14,250	CY	18.75	267,188	53,438	20.0	-
	Structural Fill	9,050	CY	15.28	138,239	27,648	20.0	-
	Random Fill	5,500	CY	15.28	84,013	16,803	20.0	-
	Geogrid	550	SY	12.50	6,875	1,375	20.0	-
	Pile Jackets	1,500	VLF	125	187,500	37,500	20.0	-
	Timber Pile	375	VLF	150	56,250	11,250	20.0	-
	Butterfly Valve with Riser, 36-inch	2	EA	18,125	36,250	7,250	20.0	-
	Butterfly Valve with Riser, 30-inch	1	EA	16,250	16,250	3,250	20.0	-
	Siphon-Air Release Valve in Vault	3	EA	5,625	16,875	3,375	20.0	-
	Prichard Pumping Plant Structure	1	JOB	LS	375,000	75,000	20.0	-
	Prichard Flow Meter Vault	1	JOB	LS	43,750	8,750	20.0	-
	Prichard Positive Closure Vault	1	JOB	LS	43,750	8,750	20.0	-
	Temporary Pumping at Prichard Pumping Plant	1	JOB	LS	958,750	191,750	20.0	-
	Class 2 Aggregate Base	412	TN	31.25	12,875	2,575	20.0	-
	Asphalt Concrete Paving	62.50	TN	150	9,375	1,875	20.0	-
	Seeding - Type 1 Mix	0.50	ACR	4,125	2,063	413	20.0	-
	Seeding - Type 2 Mix	0.60	ACR	5,000	3,000	600	20.0	-
	Cast-In-Place Concrete	210	CY	937.50	196,875	39,375	20.0	-
	Bollards	11	EA	625	6,875	1,375	20.0	-
	Removable Bollards	2	EA	625	1,250	250	20.0	-
	Welded Steel Pipe, 36-inch	920	LF	462.50	425,500	85,100	20.0	-
	Welded Steel Pipe, 30-inch	457	LF	406.25	185,656	37,131	20.0	-
	Pritchard North & Middle Pump	2	EA	227,500	455,000	91,000	20.0	-
	Pritchard South Pump	1	EA	158,750	158,750	31,750	20.0	-
	Electromagnetic Flow Meter, 36-inch	2	EA	28,937.50	57,875	11,575	20.0	-
	Electromagnetic Flow Meter, 30-inch	1	EA	23,437.50	23,438	4,688	20.0	-
	Raceway - Prichard Pumping Plant	1	JOB	LS	56,250	11,250	20.0	-
	Low Voltage Wire & Cable - Prichard Pumping Plant	1	JOB	LS	31,250	6,250	20.0	-
	Misc Electrical Work - Prichard Pumping Plant	1	JOB	LS	18,750	3,750	20.0	-
	Grounding System - Prichard Pumping Plant	1	JOB	LS	6,250	1,250	20.0	-
	Motor Control Center - Prichard Pumping Plant	1	JOB	LS	150,000	30,000	20.0	-
	Levee Improvements for delayed PP relocations, EOPC							
	Mob/Demob	1	JOB	LS	125,000	56,250	45.0	-
	Storm Water Pollution Control	9	ACR	5,000.00	45,000	20,250	45.0	-
	Traffic Control	1	JOB	LS	12,500	5,625	45.0	-
	Clearing & Grubbing	9	ACR	3,125.00	28,125	12,656	45.0	-
	Levee Stripping	9	ACR	6,250.00	56,250	25,313	45.0	-
	Borrow Site Surface Layer Removal, Stockpile & Respread	10.42	ACR	6,875.00	71,638	32,237	45.0	-
	Borrow Site Excavation	84,015	CY	6.25	525,094	236,292	45.0	-
	Levee Embankment Degrade	22,553	CY	5.00	112,765	50,744	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Canal Cut	9,994	CY	5.00	49,970	22,487	45.0	-
	Embankment Fill	110,052	CY	3.75	412,695	185,713	45.0	-
	Cutoff Wall	82,200	SF	8.13	668,286	300,559	45.0	-
	Revegetation	8	ACR	2,812.50	22,500	10,125	45.0	-
	Cutoff Wall - reduced	(60,000)	SF	8.13	(487,800)	(219,510)	45.0	-
	Subtotal, Construction Costs:				\$19,485,422			
	Contingencies @ average of	22.5 % +/- *				\$3,660,578		A
02	RELOCATIONS			TOTAL:		\$23,146,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				1,950,140	439,252	22.5	-
30	SUNK COSTS				4,011,608			
		FY 2006		211,258				
		FY 2007		697,430				
		FY 2008		1,099,862				
		FY 2009		1,254,613				
		FY 2010		748,445				
	Subtotal				\$5,961,748			
	Contingencies @ average of	7.4 % +/- *				\$439,252		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$6,401,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				1,300,090	292,480	22.5	-
31	SUNK COSTS				509,430			
		FY 2009		22,367				
		FY 2010		487,063				
	Subtotal				\$1,809,520			
	Contingencies @ average of	16.2 % +/- *				\$292,480		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$2,102,000		
Reach D								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				657	100	15.2	-
A01180302	Gross Appraisal/Report				2,535	400	15.8	-
A01180303	Prelim Real Estate Acquistn Maps				984	100	10.2	-
A01180304	Physical Takngs Analysis Reports				134	0	0.0	-
A01180305	Prelim Attys Opinion of Compsnbl				134	0	0.0	-
A01180307	All Other Real Estate Analy/Docs				5,345	800	15.0	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				21,840	3,300	15.1	-
A01230305	Real Estate Appraisal Documents				3,080	500	16.2	-
A01230317	Real Estate LERRD Crediting Docs				50,080	8,011	16.0	-
	Subtotal, Construction Costs:				\$84,789			
	Contingencies @ average of	15.6 % +/- *				\$13,211		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$98,000		
11	LEVEES AND FLOODWALLS - Section 104							
11	SUNK COSTS				34,840,000			
	Levees, C4006	FY 2009		2,983,263				
	Levees, C3947	FY 2009		13,835,769				
	Levees, C3980	FY 2009		12,876,002				
	Levees, Borrow Sites, C3980	FY 2009		3,288,676				
	Levees, C4046	FY 2009		1,856,290				
	Subtotal, Construction Costs:				\$34,840,000			
11	LEVEES AND FLOODWALLS - Section 104			TOTAL:		\$34,840,000		

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				885,500			
		FY 2009		179,300				
		FY 2010		706,200				
	Subtotal				<u>\$885,500</u>			
30	PLANNING, ENGINEERING & DESIGN			TOTAL:			\$885,500	
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS				8,747,000			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		839,205				
	SECTION 104	FY 2007		1,604,108				
	SECTION 104	FY 2008		2,457,465				
	SECTION 104	FY 2009		3,359,641				
	SECTION 104	FY 2010		486,581				
	Subtotal				<u>\$8,747,000</u>			
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:			\$8,747,000	
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104							
31	SUNK COSTS				5,556,000			
	SECTION 104	FY 2007		384,279				
	SECTION 104	FY 2008		1,373,654				
	SECTION 104	FY 2009		2,797,057				
	SECTION 104	FY 2010		1,001,010				
	Subtotal				<u>\$5,556,000</u>			
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			TOTAL:			\$5,556,000	
NON-FEDERAL								
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				33,600	3,400	10.1	-
01230302	Real Estate Acquisition Documents				270,200	27,000	10.0	-
01230303	Real Estate Condemnation Documents				308,700	30,900	10.0	-
01230305	Real Estate Appraisal Documents				42,000	4,200	10.0	-
01230306	Real Estate PL 91-646 Asst. Doc				15,000	1,500	10.0	-
01230307	Real Estate Rts of Entry/TempPermt				31,500	3,200	10.2	-
01230315	Real Estate Payment Documents				4,173,458	2,465,342	59.1	-
	Subtotal, Construction Costs:				<u>\$4,874,458</u>			
	Contingencies @ average of	52.0 % +/- *				<u>\$2,535,542</u>		A
01	LANDS AND DAMAGES			TOTAL:			\$7,410,000	
02	RELOCATIONS							
02	SUNK COSTS				24,200			
	Utility Relocations, C3980	FY 2009		24,200				
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020318	Utilities							
02031815	Mechanical							
	Mechanical/Electrical							
	Mobilization/Demobilization @ 5%	1	JOB	LS	42,000	18,900	45.0	-
	Pumps and Motors	3	EA	162,000	486,000	218,700	45.0	-
	Electrical control equipment	1	JOB	LS	195,000	87,750	45.0	-
	Repair platform structural components	1	JOB	LS	150,000	67,500	45.0	-
	Install security fencing	100	LF	45	4,500	2,025	45.0	-
	Mechanical/Electrical - For Northern Pump							
	Mobilization/Demobilization @ 5%	1	JOB	LS	61,000	27,450	45.0	-
	Pumps and Motors	5	EA	162,000	810,000	364,500	45.0	-
	Electrical control equipment	1	JOB	LS	205,000	92,250	45.0	-
	Repair platform structural components	1	JOB	LS	200,000	90,000	45.0	-
	Install security fencing	120	LF	45	5,400	2,430	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Relocations, RD1000 PP No 4, EOPC Corp 5/1/14-9/30/14							
	Mob/Demob	1	JOB	LS	80,453	36,204	45.0	-
	Excavate-Fill for new building footing	72	CY	18.75	1,350	608	45.0	-
	Remove & salvage existing steel building	750	SF	68.75	51,563	23,203	45.0	-
	Remove & salvage existing pumps	3	EA	937.50	2,813	1,266	45.0	-
	Install RD1000 drainage pumps & motors (3)	3	EA	302,875	908,625	405,492	44.6	-
	Footings	60	CY	1,875	112,500	50,625	45.0	-
	Install raised floor grating	750	SF	106.25	79,688	35,860	45.0	-
	Install new beams-east side	2	EA	6,875	13,750	6,188	45.0	-
	Construct new CMU walled building	750	SF	125	93,750	42,188	45.0	-
	Install New electric equipment	1	JOB	LS	275,438	123,947	45.0	-
	Install 2400V Transformer	1	JOB	LS	68,750	30,938	45.0	-
	3/4" Gravel	165	CY	5.00	825	371	45.0	-
	Subtotal, Construction Costs:				\$3,872,605			
	Contingencies @ average of	44.9 % +/- *				\$1,728,395		A
02	RELOCATIONS			TOTAL:		\$5,601,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				461,810	207,504	44.9	-
30	SUNK COSTS				338,326			
		FY 2009		189,890				
		FY 2010		148,436				
	Subtotal				\$800,136			
	Contingencies @ average of	25.9 % +/- *				\$207,504		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$1,007,640		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				307,870	138,550	45.0	-
31	SUNK COSTS				2,340			
		FY 2009		2,340				
	Subtotal				\$310,210			
	Contingencies @ average of	44.7 % +/- *				\$138,550		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$448,760		
Reach E								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				2,445	400	16.4	-
A01180302	Gross Appraisal/Report				9,432	1,400	14.8	-
A01180303	Prelim Real Estate Acquistn Maps				3,656	500	13.7	-
A01180304	Physical Takngs Analysis Reports				499	100	20.0	-
A01180305	Prelim Attys Opinion of Compnsbl				499	100	20.0	-
A01180306	Rights of Entry				1,260	200	15.9	-
A01180307	All Other Real Estate Analy/Docs				1,285	200	15.6	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				99,840	15,000	15.0	-
A01230305	Real Estate Appraisal Documents				14,080	2,100	14.9	-
A01230307	Real Estate Rts of Entry/TempPermt				6,720	300	4.5	-
A01230317	Real Estate LERRD Crediting Docs				206,080	30,904	15.0	-
	Subtotal, Construction Costs:				\$345,796			
	Contingencies @ average of	14.8 % +/- *				\$51,204		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$397,000		
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							
	Mobilization/Demobilization	1	JOB	LS	88,000	39,600	45.0	-
	Demolition	1	JOB	LS	10,000	4,500	45.0	-
	Clearing and Grubbing	13.50	ACR	2,500	33,750	15,188	45.0	-
	Stripping	13.50	ACR	3,000	40,500	18,225	45.0	-
	Canal Embankment	29,600	CY	5.00	148,000	66,600	45.0	-
	Excavation	31,900	CY	4.00	127,600	57,420	45.0	-
	6" Class 2 Aggregate Base	1,700	TN	25.00	42,500	19,125	45.0	-
	24-inch Reinforced Concrete Pipe	95	LF	100	9,500	4,275	45.0	-
	48-inch Reinforced Concrete Pipe	275	LF	300	82,500	37,125	45.0	-
	Field Irrigation Turnout	2	EA	6,500	13,000	5,850	45.0	-
	Exclusionary Fencing	8,700	LF	4.50	39,150	17,618	45.0	-
	Erosion Control Seeding	3.90	ACR	4,000	15,600	7,020	45.0	-
	Native Seeding	8.50	ACR	4,000	34,000	15,300	45.0	-
	Replace Chappell #1 Pumps (110 hp, 103 cfs)	1	JOB	LS	715,000	321,750	45.0	-
	Replace Chappell #2 Pumps (70 hp, 84 cfs)	1	JOB	LS	45,000	20,250	45.0	-
	Borrow site Mitigation Grading	432,300	CY	6.95	3,004,485	1,351,569	45.0	-
	Subtotal, Construction Costs:				\$4,448,585			
	Contingencies @ average of	45.0 % +/- *				\$2,001,415		A
06	FISH AND WILDLIFE FACILITIES			TOTAL:		\$6,450,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	276,394	124,377	45.0	-
110103	Care & Diversion of Water:							
11010302	Site Work:							
	SWPPP	1	JOB	LS	1,261,416	567,637	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Clearing	56.00	ACR	2,939	164,584	74,063	45.0	-
	Levee Stripping	64,695	CY	2.71	175,323	78,895	45.0	-
	Levee Degradation	137,542	CY	3.75	515,783	232,102	45.0	-
	Borrow Site Surface Layer Removal	58,887	CY	16.78	988,124	444,656	45.0	-
	Borrow site	64.50	ACR	25,580	1,649,929	742,468	45.0	-
	Grading, Import & Place	323,383	CY	13.40	4,333,332	1,949,999	45.0	-
	Place 6" Aggregate Base	9,325	TN	62.04	578,523	260,335	45.0	-
	Import & Place Quarry Stone	45,890	TN	52.11	2,391,328	1,076,098	45.0	-
	Vinyl Sheet Pile	347,800	SF	8.59	2,987,602	1,344,421	45.0	-
	Mob, Demob & Prep Work, Slurry Wall	1	JOB	LS	517,676	232,954	45.0	-
	Soil Benteinite	801,119	SF	12.35	9,893,820	4,451,722	45.0	-
	Export unsuitable soils	21,979	CY	11.45	251,660	113,247	45.0	-
	Seeding	38.80	ACR	4,382	170,022	76,510	45.0	-
	Subtotal, Construction Costs:				\$26,155,516			
	Contingencies @ average of	45.0 % +/- *				\$11,769,484		
11	LEVEES AND FLOODWALLS			TOTAL:		\$37,925,000		
18	CULTURAL RESOURCE PRESERVATION							
	1% of Federal Obligations				345,000	151,000	43.8	
	Subtotal, Construction Costs:				\$345,000			
	Contingencies @ average of	43.8 % +/- *				\$151,000		A
18	CULTURAL RESOURCE PRESERVATION			TOTAL:		\$496,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				531,600			
		FY 2009			107,600			
		FY 2010			424,000			
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				185,950	83,678	45.0	-
30230101	Survey Markers				120,310	54,140	45.0	-
30230101	Hydraulics Studies				218,760	98,442	45.0	-
30230101	Hydrology				109,370	49,217	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230101	Structural Design				32,810	14,765	45.0	-
30230102	Civil Design Analysis				120,310	54,140	45.0	-
30230102	Prepare Specs- Front End				54,680	24,606	45.0	-
30230102	Civil Design Prepare Tec Specs				82,040	36,918	45.0	-
30230102	Civil Design Prepare Plans				191,420	86,139	45.0	-
30230102	Review P&S(ITR)				82,040	36,918	45.0	-
30230104	BCOE Review and Certification				54,680	24,606	45.0	-
30230104	Revise P&S				54,680	24,606	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				218,760	98,442	45.0	-
30230105	Revegetation Plan				254,310	114,440	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				71,100	31,995	45.0	-
30230403	Mitigation Analysis Report				65,630	29,534	45.0	-
30230404	Fish and Wildlife Coordination Act Report				82,040	36,918	45.0	-
30230410	NPDES Permit/SPPCP				27,350	12,308	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				109,370	49,217	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				136,730	61,529	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				109,370	49,217	45.0	-
30230703	Cost Estimates-Contract				109,370	49,217	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				54,680	24,606	45.0	-
30230801	Other Studies (ECIFP)				21,880	9,846	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				54,680	24,606	45.0	-
30230903	Repro				27,350	12,308	45.0	-
30230907	Award Contract				10,940	4,923	45.0	-
302310	ENGINEERING & DESIGN DURING				218,760	98,442	45.0	-
30231402	Amendments to P&S				54,680	24,606	45.0	-
3024	VALUE ENGINEERING ANALYSIS				71,100	31,995	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				65,630	29,534	45.0	-
302501	Local Sponsor Audit				54,680	24,606	45.0	-
302501	USACE Audit				54,680	24,606	45.0	-
302501	OMRR&R Manual				109,370	49,217	45.0	-
3026	PROGRAMS AND PROJECT MGMT				382,970	172,433	45.0	-
	Subtotal					\$4,204,080		
	Contingencies @ average of		45.0 % +/- *				\$1,652,720	A
30	PLANNING, ENGINEERING & DESIGN				TOTAL:		\$5,856,800	
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS					3,681,000		
	SECTION 104	FY 2007			192,788			
	SECTION 104	FY 2008			1,470,735			
	SECTION 104	FY 2009			1,294,064			
	SECTION 104	FY 2010			723,413			
	Subtotal					\$3,681,000		
30	PLANNING, ENGINEERING & DESIGN - Section 104				TOTAL:		\$3,681,000	
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				816,100	367,032	45.0	-
31231102	Area Office S&A Documents				255,120	114,804	45.0	-
31231103	District Office S&A Documents				50,930	22,919	45.0	-
31231103	Contract Mods & Negotiations				30,600	13,770	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				563,120	253,404	45.0	-
312602	Funds Control Documents				102,100	45,945	45.0	-
312603	Trip Reports				50,930	22,919	45.0	-
312604	Upward reporting Documents				30,600	13,770	45.0	-
312605	Budgetary Documents				40,890	18,401	45.0	-
312606	Project Authorization Documents				50,930	22,919	45.0	-
312607	Annual Notification Ltr				25,460	11,457	45.0	-
312608	Fact Sheets				152,290	68,531	45.0	-
312609	Correspondance(Congress/State)				50,930	22,919	45.0	-
312610	Schedule and Cost Changes				61,210	27,545	45.0	-
312611	Project Work Directives				30,600	13,770	45.0	-
312612	Project Closeout Coord Documents				30,600	13,770	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				50,930	22,919	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
312614	All Other Programs/PM Documents				30,600	13,770	45.0	-
312615	Mitigation Construction				24,480	11,016	45.0	-
	Subtotal				\$2,448,420			
	Contingencies @ average of	45.0 % +/- *				\$1,101,580		A
31	CONSTRUCTION MANAGEMENT (S & I)				TOTAL:	\$3,550,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				153,600	15,400	10.0	-
01230302	Real Estate Acquisition Documents				1,235,200	123,500	10.0	-
01230303	Real Estate Condemnation Documents				1,411,200	141,100	10.0	-
01230305	Real Estate Appraisal Documents				192,000	19,200	10.0	-
01230307	Real Estate Rts of Entry/TempPermt				144,000	14,400	10.0	-
01230315	Real Estate Payment Documents				22,730,260	8,265,140	36.4	-
01230315	Real Estate Payment Documents Land Acquisition (9 AC @ 27,000/AC): MITIGATION				243,000	85,050	35.0	-
	Subtotal, Construction Costs:				\$26,109,260			
	Contingencies @ average of	32.9 % +/- *				\$8,578,740		A
01	LANDS AND DAMAGES				TOTAL:	\$34,688,000		
02	RELOCATIONS							
0201	ROADS, Construction Activities							
020101	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	320,170	144,077	45.0	-
020139	Road Surfacing							
02013902	Site Work: Access road at berm adjacent to canal relocations Strip grass & place in non-structural locations	1,083	CY	25.15	27,237	12,257	45.0	-
	Process original grade	117,000	SF	0.12	14,040	6,318	45.0	-
	Cut to fill	10,140	CY	14.21	144,089	64,840	45.0	-
	Finish grade building pad Fifield Road	117,000	SF	0.49	57,330	25,799	45.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	93,787	42,204	45.0	-
020318	Utilities							
02031815	Mechanical							
	24"-48" Culverts Crossing	4	EA	63,318	253,272	113,972	45.0	-
	12" Discharge Pipe Crossing	1	JOB	LS	59,986	26,994	45.0	-
	Well Relocation	8	EA	341,443	2,731,544	1,229,543	45.0	-
	Private Irrigation Relocation							
	300+92 15 HP w/ 12" discharge	1	EA	78,864	78,864	35,489	45.0	-
	APN 35-080-022	1	EA	97,066	97,066	43,680	45.0	-
	APN 35-120-003	1	EA	5,661	5,661	2,547	45.0	-
	Canal Relocations							
	Drainage Canals	5,900	LF	3.69	21,771	9,797	45.0	-
	Irrigation Canals	1,900	LF	3.69	7,011	3,155	45.0	-
02031815	Electrical							
	Utility Pole Relocation	35	EA	10,000	350,000	157,500	45.0	-
	Subtotal, Construction Costs:				\$4,261,828			
	Contingencies @ average of	45.0 % +/- *				\$1,918,172		A
02	RELOCATIONS				TOTAL:	\$6,180,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation							
	Subtotal				\$255,710	115,290	45.1	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
		Effective Price Level (EPL): 1-Oct-2010						
	Contingencies @ average of	45.1 % +/- *				\$115,290		A
30	PLANNING, ENGINEERING & DESIGN - Relocation					\$371,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				340,950	153,050	44.9 -	
	Subtotal				\$340,950			
	Contingencies @ average of	44.9 % +/- *				\$153,050		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation					\$494,000		
Reach H								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				6,705	1,000	14.9 -	
A01180302	Gross Appraisal/Report				25,862	3,900	15.1 -	
A01180303	Prelim Real Estate Acquistn Maps				10,023	1,500	15.0 -	
A01180304	Physical Takngs Analysis Reports				1,369	200	14.6 -	
A01180305	Prelim Attys Opinion of Compsnbl				1,369	200	14.6 -	
A01180306	Rights of Entry				1,890	300	15.9 -	
A01180307	All Other Real Estate Analy/Docs				13,523	2,000	14.8 -	
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				218,400	32,800	15.0 -	
A01230305	Real Estate Appraisal Documents				30,800	4,600	14.9 -	
A01230307	Real Estate Rts of Entry/TempPermt				14,700	700	4.8 -	
A01230317	Real Estate LERRD Crediting Docs				460,800	69,359	15.1 -	
	Subtotal, Construction Costs:				\$785,441			
	Contingencies @ average of	14.8 % +/- *				\$116,559		A
A01	LANDS AND DAMAGES, Administration					\$902,000		
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							
	Mob/Demob	1	JOB	LS	100,000	45,000	45.0 -	
	Preservation Fencing Installation	1,950	LF	5.34	10,413	4,686	45.0 -	
	Preservation Fencing Removal	1,950	LF	1.39	2,711	1,220	45.0 -	
	Aggregate Base	240	TON	99.11	23,786	10,704	45.0 -	
	Irrigation System Installation	1	JOB	LS	1,080,000	486,000	45.0 -	
	Irrigation System Removal	1	JOB	LS	89,330	40,199	45.0 -	
	Treepot4 Container Planting	15,800	EA	15.27	241,266	108,570	45.0 -	
	Deepot Container Planting	25,670	EA	15.27	391,981	176,391	45.0 -	
	Treband Container Planting	6,535	EA	15.27	99,789	44,905	45.0 -	
	Plant Protection Cages	48,000	EA	18.71	898,080	404,136	45.0 -	
	Seeding - Type 1 Mix	40	ACR	1,198	47,920	21,564	45.0 -	
	Mulching	3,810	CY	91.61	349,034	157,065	45.0 -	
	Irrigation Application	1,176	EA	705.45	829,609	373,324	45.0 -	
	Weeding - Mowing	15	EA	15,265	228,975	103,039	45.0 -	
	Weeding - Herbicide	9	EA	25,920	233,280	104,976	45.0 -	
	Weeding - Hand Pull	15	EA	73,200	1,098,000	494,595	45.0 -	
	Irrigation System Maintenance	3	YR	71,900	215,700	97,065	45.0 -	
	Cage Maintenance	3	YR	41,000	123,000	55,350	45.0 -	
	Mulching (shredded cedar bark)	3	YR	66,175	198,525	89,336	45.0 -	
	Pruning	1	JOB	LS	110,240	49,608	45.0 -	
	Additional Tree Band Plantings	2,970	EA	22.62	67,181	30,231	45.0 -	
	Gates	4	EA	6,589	26,356	11,860	45.0 -	
	AECOM, 2010, estimates \$150,000 per acre for mitigation bank	0.10	ACR	150,000	15,000	0	0.0 -	
	Subtotal, Construction Costs:				\$6,480,176			
	Contingencies @ average of	44.9 % +/- *				\$2,909,824		A
06	FISH AND WILDLIFE FACILITIES					\$9,390,000		

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	3,243,091	1,459,391	45.0	-
110103	Care & Diversion of Water:							
11010302	Site Work: SWPPP	48	ACR	22,374	1,073,952	483,278	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Debris Removal	47,312	CY	25.05	1,185,166	533,325	45.0	-
	Clearing	48	ACR	11,854	568,969	256,036	45.0	-
	Stripping and Foundation	48	ACR	6,048	290,304	130,637	45.0	-
	Levee Degrading	236,561	CY	10.48	2,479,159	1,115,622	45.0	-
	Surface Layer Removal, Stockpile & Respread	20	ACR	12,142	242,840	109,278	45.0	-
	Borrow Site Excavation & Hauling	160,216	CY	11.11	1,780,000	801,000	45.0	-
	Levee Fill (embankment)	349,465	CY	11.75	4,106,214	1,847,796	45.0	-
	SB Cutoff Wall	966,960	SF	8.71	8,422,222	3,788,528	45.0	-
	Jet Grouting	27,948	SF	101.64	2,840,635	1,278,286	45.0	-
	Seeding	38	ACR	4,161	158,118	71,153	45.0	-
	Subtotal, Construction Costs:				\$26,390,670			
	Contingencies @ average of	45.0 % +/- *				\$11,874,330		
11	LEVEES AND FLOODWALLS			TOTAL:		\$38,265,000		
18	CULTURAL RESOURCE PRESERVATION							
	1% of Federal Obligations				377,000	165,000	43.8	
	Subtotal, Construction Costs:				\$377,000			
	Contingencies @ average of	43.8 % +/- *				\$165,000		A
18	CULTURAL RESOURCE PRESERVATION			TOTAL:		\$542,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				724,900			
		FY 2009			146,700			
		FY 2010			578,200			
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				199,720	89,874	45.0	-
30230101	Survey Markers				129,220	58,149	45.0	-
30230101	Hydraulics Studies				234,970	105,737	45.0	-
30230101	Hydrology				117,470	52,862	45.0	-
30230101	Structural Design				35,240	15,858	45.0	-
30230102	Civil Design Analysis				129,220	58,149	45.0	-
30230102	Prepare Specs- Front End				58,730	26,429	45.0	-
30230102	Civil Design Prepare Tec Specs				88,110	39,650	45.0	-
30230102	Civil Design Prepare Plans				205,600	92,520	45.0	-
30230102	Review P&S(ITR)				88,110	39,650	45.0	-
30230104	BCOE Review and Certification				58,730	26,429	45.0	-
30230104	Revise P&S				58,730	26,429	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				234,970	105,737	45.0	-
30230105	Revegetation Plan				273,150	122,918	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				76,360	34,362	45.0	-
30230403	Mitigation Analysis Report				70,490	31,721	45.0	-
30230404	Fish and Wildlife Coordination Act Report				88,110	39,650	45.0	-
30230410	NPDES Permit/SPPCP				29,370	13,217	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				117,470	52,862	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				146,850	66,083	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				117,470	52,862	45.0	-
30230703	Cost Estimates-Contract				117,470	52,862	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				58,730	26,429	45.0	-
30230801	Other Studies (ECIFP)				23,500	10,575	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				58,730	26,429	45.0	-
30230903	Repro				29,370	13,217	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230907	Award Contract				11,750	5,288	45.0	-
302310	ENGINEERING & DESIGN DURING				234,970	105,737	45.0	-
30231402	Amendments to P&S				58,730	26,429	45.0	-
3024	VALUE ENGINEERING ANALYSIS				76,360	34,362	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				70,490	31,721	45.0	-
302501	Local Sponsor Audit				58,730	26,429	45.0	-
302501	USACE Audit				58,730	26,429	45.0	-
302501	OMRR&R Manual				117,470	52,862	45.0	-
3026	PROGRAMS AND PROJECT MGMT				411,330	185,333	45.1	-
	Subtotal				\$4,669,350			
	Contingencies @ average of	45.0 % +/- *				\$1,775,250		A
30	PLANNING, ENGINEERING & DESIGN			TOTAL:		\$6,444,600		
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS				3,581,000			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		2,904				
	SECTION 104	FY 2007		99,760				
	SECTION 104	FY 2008		1,568,103				
	SECTION 104	FY 2009		1,262,720				
	SECTION 104	FY 2010		647,513				
	Subtotal				\$3,581,000			
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:		\$3,581,000		
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				876,550	394,277	45.0	-
31231102	Area Office S&A Documents				274,010	123,305	45.0	-
31231103	District Office S&A Documents				54,700	24,615	45.0	-
31231103	Contract Mods & Negotiations				32,870	14,792	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				604,820	272,169	45.0	-
312602	Funds Control Documents				109,660	49,347	45.0	-
312603	Trip Reports				54,700	24,615	45.0	-
312604	Upward reporting Documents				32,870	14,792	45.0	-
312605	Budgetary Documents				43,920	19,764	45.0	-
312606	Project Authorization Documents				54,700	24,615	45.0	-
312607	Annual Notification Ltr				27,350	12,308	45.0	-
312608	Fact Sheets				163,570	73,607	45.0	-
312609	Correspondance(Congress/State)				54,700	24,615	45.0	-
312610	Schedule and Cost Changes				65,740	29,583	45.0	-
312611	Project Work Directives				32,870	14,792	45.0	-
312612	Project Closeout Coord Documents				32,870	14,792	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				54,700	24,615	45.0	-
312614	All Other Programs/PM Documents				32,870	14,792	45.0	-
312615	Mitigation Construction				26,300	11,835	45.0	-
	Subtotal				\$2,629,770			
	Contingencies @ average of	45.0 % +/- *				\$1,183,230		A
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:		\$3,813,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				336,000	16,800	5.0	-
01230302	Real Estate Acquisition Documents				2,702,000	405,300	15.0	-
01230303	Real Estate Condemnation Documents				3,087,000	154,400	5.0	-
01230305	Real Estate Appraisal Documents				420,000	63,000	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				235,000	11,800	5.0	-
01230307	Real Estate Rts of Entry/TempPermt				315,000	15,800	5.0	-
01230315	Real Estate Payment Documents				3,800,000	949,900	25.0	-
	Subtotal, Construction Costs:				\$10,895,000			
	Contingencies @ average of	14.8 % +/- *				\$1,617,000		A

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON	
						(\$)*	(%)*		
Effective Price Level (EPL): 1-Oct-2010									
01	LANDS AND DAMAGES				TOTAL:		\$12,512,000		
02	RELOCATIONS				TOTAL:		\$20,753,000		
0201	ROADS, Construction Activities								
020101	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	1,065,572	479,507	45.0	-	
020107 02010703	Bridge, Super Structure - Prestressed Box Girder Concrete Bridge Modifications, West El Camino Bridge	18,370	SF	374	6,870,380	3,091,671	45.0	-	
020113 02011302	Traffic Control Site Work: Traffic Control	1	JOB	LS	271,938	122,372	45.0	-	
020139 02013902	Road Surfacing Site Work: Road Relocations Dead End Roads Natoma Street Arden-Garden Connector Northgate Blvd Bike Trail @ Levee Crown	5 715 1,550 500 22,150	EA LF LF LF LF	27,390 353.77 831 1,003 59	136,950 252,946 1,288,050 501,500 1,312,388	61,628 113,826 579,623 225,675 590,587	45.0 45.0 45.0 45.0 45.0	-	
0203	CEMETERIES, UTILITIES, AND STRUCTURES,								
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	10,878	4,895	45.0	-	
020318 02031815	Utilities Mechanical 6" Gas Main 8" Water Main Fiber Optic Relocation Sac City Pumping Plant Sump 102 RD 1000 Pumping Plant No 8	260 112 190 1 1	LF LF LF JOB JOB	142.89 215 147.27 LS LS	37,151 24,080 27,981 922,941 1,029,650	16,718 10,836 12,591 415,323 463,343	45.0 45.0 45.0 45.0 45.0	-	
02031815	Electrical Utility Pole Relocation	56	EA	10,000	560,000	252,000	45.0	-	
	Subtotal, Construction Costs:				\$14,312,405				
	Contingencies @ average of	45.0	% +/- *			\$6,440,595		A	
02	RELOCATIONS				TOTAL:		\$20,753,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation					1,717,490	772,740	45.0	-
30	SUNK COSTS				889 1,881	2,770			
	FY 2007 FY 2010								
	Subtotal					\$1,720,260			
	Contingencies @ average of	44.9	% +/- *			\$772,740		A	
30	PLANNING, ENGINEERING & DESIGN - Relocation				TOTAL:		\$2,493,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation					1,144,990	515,010	45.0	-
	Subtotal					\$1,144,990			
	Contingencies @ average of	45.0	% +/- *			\$515,010		A	
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				TOTAL:		\$1,660,000		

Locally Preferred Plan (LPP)

****TOTAL PROJECT COST SUMMARY****

6/3/2010

THIS ESTIMATE IS BASED ON THE SCOPE CONTAINED IN THE POST AUTHORIZATION CHANGE REPORT REPORT, LPP PLAN

PROJECT: NATOMAS PACR

U. S. ARMY CORPS OF ENGINEER, SACRAMENTO DISTRICT

LOCATION: CALIFORNIA

P.O.C.: JOE W. YEE, CHIEF, COST ENGINEERING SECTION

Current MCACES Estimate Prepared: 1-Oct-2010

Effective Price Level (EPL): 1-Oct-2010

.....FULLY FUNDED ESTIMATE.....

ACCOUNT NO.	FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)FULLY FUNDED ESTIMATE.....		
						OMB MIDPT(%)	COST (\$K)	CNTG (\$K)

Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.

Total								
FEDERAL COSTS								
6	FISH & WILDLIFE FACILITIES	14,455	4,885		19,340			0
	Reach B	1,676	0	0	1,676			0
	Reach C	1,911	0	0	1,911			0
	Reach E	4,388	1,975	45	6,363			0
	Reach H	6,480	2,910	45	9,390			0
11	LEVEES & FLOODWALLS	291,405	83,534		374,939			0
	Reach A	48,346	21,775	45	70,121			0
	Reach B	56,248	5,632	21	61,880			0
	Reach C	23,512	323	15	23,835			0
	Reach D	39,523	95	43	39,618			0
	Reach E	28,780	12,951	45	41,731			0
	Reach F	30,879	13,901	45	44,780			0
	Reach G	26,900	12,106	45	39,006			0
	Reach H	26,391	11,874	45	38,265			0
	Reach I	10,826	4,877	45	15,703			0
18	CULT. RESRC. PRESERV. (1)	2,616	582		3,198			0
	Up to 1% of Federal Total - NED	2,616	582		3,198			0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		308,476	89,001		397,477			0
1	LANDS & DAMAGES, Admin (2)	3,590	537		4,127			0
	Construction	3,590	537		4,127			0
	Reach A	666	99	15	765			0
	Reach B	821	124	15	945			0
	Reach C	256	39	15	295			0
	Reach D	85	13	15	98			0
	Reach E	346	51	15	397			0
	Reach F	279	42	15	321			0
	Reach G	210	31	15	241			0
	Reach H	785	117	15	902			0
	Reach I	142	21	15	163			0
30	PLAN/ENGINEERING/DESIGN	108,864	10,312		119,176			0
	Construction	108,864	10,312		119,176			0
	Reach A	10,008	2,610	45	12,618			0
	Reach B	35,739	372	22	36,111			0
	Reach C	23,627	39	15	23,666			0
	Reach D	9,677	20	45	9,697			0
	Reach E	8,193	1,791	45	9,984			0
	Reach F	6,504	1,667	45	8,171			0
	Reach G	3,233	1,453	45	4,686			0
	Reach H	8,250	1,776	45	10,026			0
	Reach I	3,633	584	45	4,217			0
31	CONSTRUCTION MANAGE'NT	30,894	6,944		37,838			0
	Construction	30,894	6,944		37,838			0
	Reach A	3,868	1,740	45	5,608			0
	Reach B	6,306	318	15	6,624			0
	Reach C	4,366	26	15	4,392			0
	Reach D	5,582	12	46	5,594			0
	Reach E	2,654	1,194	45	3,848			0
	Reach F	2,470	1,112	45	3,582			0
	Reach G	2,152	969	45	3,121			0
	Reach H	2,630	1,183	45	3,813			0
	Reach I	866	390	45	1,256			0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		451,824	106,794		558,618			0
NON-FEDERAL CONTRIBUTION(-)		124,347	47,322		171,669			0
SECTION 104 (-) - NED		44,498	(7,112)		37,386			0
TOTAL FEDERAL NED COSTS		\$282,979	\$66,584		\$349,563			\$0
NON-FEDERAL COSTS								
1	LANDS AND DAMAGES	148,302	50,528		198,830			0
	Construction	148,302	50,528		198,830			0
	Reach A	25,122	6,174	25	31,296			0
	Reach B	45,066	16,085	36	61,151			0
	Reach C	11,753	4,426	38	16,179			0
	Reach D	4,874	2,536	52	7,410			0
	Reach E	26,109	8,579	33	34,688			0
	Reach F	9,203	4,546	49	13,749			0
	Reach G	13,105	5,214	40	18,319			0
	Reach H	10,895	1,617	15	12,512			0
	Reach I	2,175	1,351	62	3,526			0
2	RELOCATIONS	115,688	38,388		154,076			0
	Reach A	12,180	5,432	45	17,612			0
	Reach B	25,777	4,134	20	29,911			0
	Reach C	19,485	3,661	23	23,146			0
	Reach D	9,811	3,365	48	13,176			0
	Reach E	7,868	3,541	45	11,409			0
	Reach F	11,229	5,052	45	16,281			0

******CONTRACT COST SUMMARY(CONT'D)******

Current MCACES Estimate Prepared: 1-Oct-2010
Effective Price Level (EPL): 1-Oct-2010

.....FULLY FUNDED ESTIMATE.....

ACCOUNT NO. FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	FULLY FUNDED ESTIMATE.....		
						FEATURE OMB MIDPT(%)	COST (\$K)	CNTG (\$K)

Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.

Reach G	11,111	5,000	45	16,111		0	0	0
Reach H	14,312	6,441	45	20,753		0	0	0
Reach I	3,915	1,762	45	5,677		0	0	0
SECTION 104 - NED	206,392	4,505		210,897		0	0	0
30 PLAN/ENGINEERING/DESIGN	15,393	4,183		19,576		0	0	0
Reach A	735	326	45	1,061	2	0	0	0
Reach B	1,365	248	20	1,613		0	0	0
Reach C	5,962	439	23	6,401		0	0	0
Reach D	1,177	404	48	1,581		0	0	0
Reach E	944	425	45	1,369		0	0	0
Reach F	1,347	607	45	1,954		0	0	0
Reach G	1,667	750	45	2,417		0	0	0
Reach H	1,720	773	45	2,493		0	0	0
Reach I	476	211	45	687		0	0	0
31 CONSTRUCTION MANAGE'MT	9,219	3,172		12,391		0	0	0
Reach A	974	435	45	1,409	2	0	0	0
Reach B	1,778	331	20	2,109		0	0	0
Reach C	1,810	292	22	2,102		0	0	0
Reach D	561	270	48	831		0	0	0
Reach E	629	284	45	913		0	0	0
Reach F	898	404	45	1,302		0	0	0
Reach G	1,111	500	45	1,611		0	0	0
Reach H	1,145	515	45	1,660		0	0	0
Reach I	313	141	45	454		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)	494,994	100,776		595,770		0	0	0
NON-FEDERAL CONTRIBUTION (+)	124,347	47,322		171,669		0	0	0
Non-Federal Contribution - NED	27,278	7,111		34,389		0	0	0
Additional Cost Above NED	97,069	40,211		137,280		0	0	0
SECTION 104 (-) - NED	161,894	11,617		173,511		0	0	0
TOTAL NON-FEDERAL COSTS	\$457,447	\$136,481		\$593,928		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Total	\$740,426	\$203,065		\$943,491		\$0	\$0	\$0
Reach A								
FEDERAL COSTS								
11 LEVEES & FLOODWALLS	48,346	21,775	45	70,121		0	0	0
18 CULT. RESRC. PRESERV. (1 Up to 1% of Federal Total - NED	546	245		791		0	0	0
	546	245		791		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS	48,892	22,020		70,912		0	0	0
1 LANDS & DAMAGES, Admin (2 Construction	666	99		765		0	0	0
	666	99	15	765		0	0	0
30 PLAN/ENGINEERING/DESIGN Construction	10,008	2,610		12,618		0	0	0
FEDERAL	10,008	2,610		12,618		0	0	0
NON FEDERAL - Section 104	6,414	2,610	45	9,024	A	0	0	0
	3,594	0		3,594	A	0	0	0
31 CONSTRUCTION MANAGE'MT Construction	3,868	1,740		5,608		0	0	0
	3,868	1,740	45	5,608		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION	63,434	26,469		89,903		0	0	0
NON-FEDERAL CONTRIBUTION(-)	5,095	1,941		7,036		0	0	0
SECTION 104 (-) - NED	3,594	0		3,594		0	0	0
TOTAL FEDERAL NED COSTS	\$54,745	\$24,528		\$79,273		\$0	\$0	\$0
NON-FEDERAL COSTS								
1 LANDS AND DAMAGES Construction	25,122	6,174		31,296		0	0	0
	25,122	6,174	25	31,296		0	0	0
2 RELOCATIONS	12,180	5,432	45	17,612		0	0	0
SECTION 104 - NED	3,594	0		3,594		0	0	0
30 PLAN/ENGINEERING/DESIGN	735	326	45	1,061		0	0	0
31 CONSTRUCTION MANAGE'MT	974	435	45	1,409		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)	42,605	12,367		54,972		0	0	0
NON-FEDERAL CONTRIBUTION (+)	5,095	1,941		7,036		0	0	0
TOTAL NON-FEDERAL COSTS	\$47,700	\$14,308		\$62,008		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach A	\$102,445	\$38,836		\$141,281		\$0	\$0	\$0

****CONTRACT COST SUMMARY(CONT'D)****

Current MCACES Estimate Prepared: 1-Oct-2010
 Effective Price Level (EPL): 1-Oct-2010

.....FULLY FUNDED ESTIMATE.....

ACCOUNT	COST	CNTG	CNTG	TOTAL	FEATURE	COST	CNTG	FULLY
NO. FEATURE DESCRIPTION	(\$K)	(\$K)	(%)	(\$K)	OMB	(\$K)	(\$K)	FUNDED
					MIDPT(%)			(\$K)

Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.

Reach B

FEDERAL COSTS

6 FISH & WILDLIFE FACILITIES		1,676	0	1,676		0	0	0
FEDERAL	6	1,635	0 0	1,635		0	0	0
NON FEDERAL - Section 104	6	41	0	41		0	0	0
11 LEVEES & FLOODWALLS		56,248	5,632	61,880		0	0	0
FEDERAL	11	1,270	571 45	1,841		0	0	0
NON FEDERAL - Section 104	11	54,978	5,061 20	60,039		0	0	0
18 CULT. RESRC. PRESERV. (1)		875	26	901		0	0	0
Up to 1% of Federal Total - NED		875	26	901		0	0	0

SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		58,799	5,658	64,457		0	0	0
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1 LANDS & DAMAGES, Admin (2)		821	124	945		0	0	0
Construction		821	124 15	945		0	0	0
30 PLAN/ENGINEERING/DESIGN		35,739	372	36,111		0	0	0
Construction		35,739	372	36,111		0	0	0
FEDERAL	A	1,682	69 45	1,751		0	0	0
NON FEDERAL - Section 104	A	34,057	303 20	34,360		0	0	0
31 CONSTRUCTION MANAGE'NT		6,306	318	6,624		0	0	0
Construction		6,306	318	6,624		0	0	0
FEDERAL	A	102	15 15	117		0	0	0
NON FEDERAL - Section 104	A	6,204	303 15	6,507		0	0	0

SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		101,665	6,472	108,137		0	0	0
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NON-FEDERAL CONTRIBUTION(-)		9,827	2,834	12,661		0	0	0
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SECTION 104 (-) - NED		3,975	1,078	5,053		0	0	0
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TOTAL FEDERAL NED COSTS		\$87,863	\$2,560	\$90,423		\$0	\$0	\$0
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NON-FEDERAL COSTS

1 LANDS AND DAMAGES		45,066	16,085	61,151		0	0	0
Construction		45,066	16,085 36	61,151		0	0	0
2 RELOCATIONS		25,777	4,134 20	29,911		0	0	0
SECTION 104 - NED		94,135	4,137	98,272		0	0	0
30 PLAN/ENGINEERING/DESIGN		1,365	248 20	1,613		0	0	0
31 CONSTRUCTION MANAGE'NT		1,778	331 20	2,109		0	0	0

SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		168,121	24,935	193,056		0	0	0
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NON-FEDERAL CONTRIBUTION (+)		9,827	2,834	12,661		0	0	0
Non-Federal Contribution - NED		8,682	1,289	9,971		0	0	0
Additional Cost Above NED		1,145	1,545	2,690		0	0	0

SECTION 104 (-) - NED		90,160	3,059	93,219		0	0	0
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TOTAL NON-FEDERAL COSTS		\$87,788	\$24,710	\$112,498		\$0	\$0	\$0
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TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach B		\$175,651	\$27,270	\$202,921		\$0	\$0	\$0
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Reach C

FEDERAL COSTS

6 FISH & WILDLIFE FACILITIES		1,911	0	1,911		0	0	0
FEDERAL	6	225	0 0	225		0	0	0
NON FEDERAL - Section 104	6	1,686	0	1,686		0	0	0
11 LEVEES & FLOODWALLS		23,512	323 15	23,835		0	0	0
18 CULT. RESRC. PRESERV. (1)		473	(5)	468		0	0	0
Up to 1% of Federal Total - NED		473	(5)	468		0	0	0

SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		25,896	318	26,214		0	0	0
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1 LANDS & DAMAGES, Admin (2)		256	39	295		0	0	0
Construction		256	39 15	295		0	0	0
30 PLAN/ENGINEERING/DESIGN		23,627	39	23,666		0	0	0
Construction		23,627	39	23,666		0	0	0
FEDERAL	A	933	20 16	953		0	0	0
NON FEDERAL - Section 104	A	22,694	19 15	22,713		0	0	0
31 CONSTRUCTION MANAGE'NT		4,366	26	4,392		0	0	0
Construction		4,366	26	4,392		0	0	0
NON FEDERAL - Section 104	A	4,366	26 15	4,392		0	0	0

SUBTOTAL FEDERAL &		54,145	422	54,567		0	0	0
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****CONTRACT COST SUMMARY(CONT'D)****

Current MCACES Estimate Prepared: 1-Oct-2010

Effective Price Level (EPL): 1-Oct-2010

ACCOUNT NO. FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)FULLY FUNDED ESTIMATE.....		
					FEATURE OMB MIDPT(%)	COST (\$K)	CNTG (\$K)

Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.

NON-FEDERAL CONTRIBUTION									
NON-FEDERAL CONTRIBUTION(-)	4,634	462		5,096			0	0	0
SECTION 104 (-) - NED	2,021	444		2,465			0	0	0
TOTAL FEDERAL NED COSTS	\$47,490	(\$484)		\$47,006			\$0	\$0	\$0
NON-FEDERAL COSTS									
1 LANDS AND DAMAGES	11,753	4,426		16,179			0	0	0
Construction	11,753	4,426	38	16,179			0	0	0
2 RELOCATIONS	19,485	3,661	23	23,146			0	0	0
SECTION 104 - NED	52,258	368		52,626			0	0	0
30 PLAN/ENGINEERING/DESIGN	5,962	439	23	6,401			0	0	0
31 CONSTRUCTION MANAGE'MT	1,810	292	22	2,102			0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)	91,268	9,186		100,454			0	0	0
NON-FEDERAL CONTRIBUTION (+)	4,634	462		5,096			0	0	0
Non-Federal Contribution - NED	4,634	462		5,096			0	0	0
Additional Cost Above NED	0	0		0			0	0	0
SECTION 104 (-) - NED	50,237	(76)		50,161			0	0	0
TOTAL NON-FEDERAL COSTS	\$45,665	\$9,724		\$55,389			\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach C	\$93,155	\$9,240		\$102,395			\$0	\$0	\$0
Reach D									
FEDERAL COSTS									
11 LEVEES & FLOODWALLS	39,523	95		39,618			0	0	0
FEDERAL	11 220	95	43	315			0	0	0
NON FEDERAL - Section 104	11 39,303	0		39,303			0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS	39,523	95		39,618			0	0	0
1 LANDS & DAMAGES, Admin. (1 Construction	85	13		98			0	0	0
Construction	85	13	15	98			0	0	0
30 PLAN/ENGINEERING/DESIGN	9,677	20		9,697			0	0	0
Construction	9,677	20		9,697			0	0	0
FEDERAL	A 930	20	45	950			0	0	0
NON FEDERAL - Section 104	A 8,747	0		8,747			0	0	0
31 CONSTRUCTION MANAGE'MT	5,582	12		5,594			0	0	0
Construction	5,582	12		5,594			0	0	0
FEDERAL	A 26	12	46	38			0	0	0
NON FEDERAL - Section 104	A 5,556	0		5,556			0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION	54,867	140		55,007			0	0	0
NON-FEDERAL CONTRIBUTION(-)	6,377	816		7,193			0	0	0
SECTION 104 (-) - NED	28,028	(9,016)		19,012			0	0	0
TOTAL FEDERAL NED COSTS	\$20,462	\$8,340		\$28,802			\$0	\$0	\$0
NON-FEDERAL COSTS									
1 LANDS AND DAMAGES	4,874	2,536		7,410			0	0	0
Construction	4,874	2,536	52	7,410			0	0	0
2 RELOCATIONS	9,811	3,365	48	13,176			0	0	0
SECTION 104 - NED	49,143	0		49,143			0	0	0
30 PLAN/ENGINEERING/DESIGN	1,177	404	48	1,581			0	0	0
31 CONSTRUCTION MANAGE'MT	561	270	48	831			0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)	65,566	6,575		72,141			0	0	0
NON-FEDERAL CONTRIBUTION (+)	6,377	816		7,193			0	0	0
Non-Federal Contribution - NED	1,624	689		2,313			0	0	0
Additional Cost Above NED	4,753	127		4,880			0	0	0
SECTION 104 (-) - NED	21,115	9,016		30,131			0	0	0
TOTAL NON-FEDERAL COSTS	\$50,828	(\$1,625)		\$49,203			\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach D	\$71,290	\$6,715		\$78,005			\$0	\$0	\$0
Reach E									

******CONTRACT COST SUMMARY(CONT'D)******

Current MCACES Estimate Prepared: 1-Oct-2010

Effective Price Level (EPL): 1-Oct-2010

ACCOUNT	COST	CNTG	CNTG	TOTALFULLY FUNDED ESTIMATE.....			
NO. FEATURE DESCRIPTION	(\$K)	(\$K)	(%)	(\$K)	FEATURE OMB MIDPT(%)	COST (\$K)	CNTG (\$K)	FULLY FUNDED (\$K)

Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.

FEDERAL COSTS								
6 FISH & WILDLIFE FACILITIES	4,388	1,975	45	6,363		0	0	0
11 LEVEES & FLOODWALLS	28,780	12,951	45	41,731		0	0	0
18 CULT. RESRC. PRESERV. (1 Up to 1% of Federal Total - NED	345 345	151 151		496 496		0 0	0 0	0 0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS	33,513	15,077		48,590		0	0	0
1 LANDS & DAMAGES, Admin (2 Construction	346 346	51 51		397 397		0 0	0 0	0 0
30 PLAN/ENGINEERING/DESIGN Construction	8,193 8,193	1,791 1,791		9,984 9,984		0 0	0 0	0 0
FEDERAL	4,512	1,791	45	6,303		0	0	0
NON FEDERAL - Section 104	3,681	0		3,681		0	0	0
31 CONSTRUCTION MANAGE'MT Construction	2,654 2,654	1,194 1,194		3,848 3,848		0 0	0 0	0 0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION	44,706	18,113		62,819		0	0	0
NON-FEDERAL CONTRIBUTION(-)	6,690	2,756		9,446		0	0	0
SECTION 104 (-) - NED	3,429	252		3,681		0	0	0
TOTAL FEDERAL NED COSTS	\$34,587	\$15,105		\$49,692		\$0	\$0	\$0
NON-FEDERAL COSTS								
1 LANDS AND DAMAGES Construction	26,109 26,109	8,579 8,579		34,688 34,688		0 0	0 0	0 0
2 RELOCATIONS	7,868	3,541	45	11,409		0	0	0
SECTION 104 - NED	3,681	0		3,681		0	0	0
30 PLAN/ENGINEERING/DESIGN	944	425	45	1,369		0	0	0
31 CONSTRUCTION MANAGE'MT	629	284	45	913		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)	39,231	12,829		52,060		0	0	0
NON-FEDERAL CONTRIBUTION (+) Non-Federal Contribution - NED	6,690 3,613	2,756 1,370		9,446 4,983		0 0	0 0	0 0
Additional Cost Above NED	3,077	1,386		4,463		0	0	0
TOTAL NON-FEDERAL COSTS	\$45,669	\$15,837		\$61,506		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach E	\$80,256	\$30,942		\$111,198		\$0	\$0	\$0
Reach F								
11 LEVEES & FLOODWALLS	30,879	13,901	45	44,780		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS	30,879	13,901		44,780		0	0	0
1 LANDS & DAMAGES, Admin. (1 Construction	279 279	42 42		321 321		0 0	0 0	0 0
30 PLAN/ENGINEERING/DESIGN Construction	6,504 6,504	1,667 1,667		8,171 8,171		0 0	0 0	0 0
FEDERAL	3,706	1,667	45	5,373		0	0	0
NON FEDERAL - Section 104	2,798	0		2,798		0	0	0
31 CONSTRUCTION MANAGE'MT Construction	2,470 2,470	1,112 1,112		3,582 3,582		0 0	0 0	0 0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION	40,132	16,722		56,854		0	0	0
NON-FEDERAL CONTRIBUTION(-)	40,132	16,722		56,854		0	0	0
TOTAL FEDERAL NED COSTS	\$0	\$0		\$0		\$0	\$0	\$0
NON-FEDERAL COSTS								
1 LANDS AND DAMAGES Construction	9,203 9,203	4,546 4,546		13,749 13,749		0 0	0 0	0 0
2 RELOCATIONS	11,229	5,052	45	16,281		0	0	0
30 PLAN/ENGINEERING/DESIGN	1,347	607	45	1,954		0	0	0
31 CONSTRUCTION MANAGE'MT	898	404	45	1,302		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)	22,677	10,609		33,286		0	0	0

****CONTRACT COST SUMMARY(CONT'D)****

Current MCACES Estimate Prepared: 1-Oct-2010					FULLY FUNDED ESTIMATE.....		
Effective Price Level (EPL): 1-Oct-2010						FEATURE		FULLY
ACCOUNT		COST	CNTG	CNTG	TOTAL	OMB	COST	FUNDED
NO.	FEATURE DESCRIPTION	(\$K)	(\$K)	(%)	(\$K)	MIDPT(%)	(\$K)	(\$K)
Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.								
	NON-FEDERAL CONTRIBUTION (+)	40,132	16,722		56,854		0	0
	Additional Cost Above NED	40,132	16,722		56,854		0	0
	TOTAL NON-FEDERAL COSTS	\$62,809	\$27,331		\$90,140		\$0	\$0
	TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach F	\$62,809	\$27,331		\$90,140		\$0	\$0
	Reach G							
	11 LEVEES & FLOODWALLS	26,900	12,106	45	39,006		0	0
	SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS	26,900	12,106		39,006		0	0
	1 LANDS & DAMAGES, Admin. (1)	210	31		241		0	0
	Construction	210	31	15	241		0	0
	30 PLAN/ENGINEERING/DESIGN	3,233	1,453		4,686		0	0
	Construction	3,233	1,453		4,686		0	0
	FEDERAL	3,228	1,453	45	4,681		0	0
	NON FEDERAL - Section 104	5	0		5		0	0
	31 CONSTRUCTION MANAGE'MT	2,152	969		3,121		0	0
	Construction	2,152	969	45	3,121		0	0
	SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION	32,495	14,559		47,054		0	0
	NON-FEDERAL CONTRIBUTION(-)	32,495	14,559		47,054		0	0
	TOTAL FEDERAL NED COSTS	\$0	\$0		\$0		\$0	\$0
	NON-FEDERAL COSTS							
	1 LANDS AND DAMAGES	13,105	5,214		18,319		0	0
	Construction	13,105	5,214	40	18,319		0	0
	2 RELOCATIONS	11,111	5,000	45	16,111		0	0
	30 PLAN/ENGINEERING/DESIGN	1,667	750	45	2,417		0	0
	31 CONSTRUCTION MANAGE'MT	1,111	500	45	1,611		0	0
	SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)	26,994	11,464		38,458		0	0
	NON-FEDERAL CONTRIBUTION (+)	32,495	14,559		47,054		0	0
	Additional Cost Above NED	32,495	14,559		47,054		0	0
	TOTAL NON-FEDERAL COSTS	\$59,489	\$26,023		\$85,512		\$0	\$0
	TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach G	\$59,489	\$26,023		\$85,512		\$0	\$0
	Reach H							
	FEDERAL COSTS							
	6 FISH & WILDLIFE FACILITIES	6,480	2,910	45	9,390		0	0
	11 LEVEES & FLOODWALLS	26,391	11,874	45	38,265		0	0
	18 CULT. RESRC. PRESERV. (1)	377	165		542		0	0
	Up to 1% of Federal Total - NED	377	165		542		0	0
	SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS	33,248	14,949		48,197		0	0
	1 LANDS & DAMAGES, Admin (2)	785	117		902		0	0
	Construction	785	117	15	902		0	0
	30 PLAN/ENGINEERING/DESIGN	8,250	1,776		10,026		0	0
	Construction	8,250	1,776		10,026		0	0
	FEDERAL	4,669	1,776	45	6,445		0	0
	NON FEDERAL - Section 104	3,581	0		3,581		0	0
	31 CONSTRUCTION MANAGE'MT	2,630	1,183		3,813		0	0
	Construction	2,630	1,183	45	3,813		0	0
	SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION	44,913	18,025		62,938		0	0
	NON-FEDERAL CONTRIBUTION(-)	3,630	1,360		4,990		0	0
	SECTION 104 (-) - NED	3,451	130		3,581		0	0
	TOTAL FEDERAL NED COSTS	\$37,832	\$16,535		\$54,367		\$0	\$0
	NON-FEDERAL COSTS							
	1 LANDS AND DAMAGES	10,895	1,617		12,512		0	0
	Construction	10,895	1,617	15	12,512		0	0
	2 RELOCATIONS	14,312	6,441	45	20,753		0	0

****CONTRACT COST SUMMARY(CONT'D)****

Current MCACES Estimate Prepared: 1-Oct-2010 Effective Price Level (EPL): 1-Oct-2010					FULLY FUNDED ESTIMATE.....			
ACCOUNT		COST	CNTG	CNTG	TOTAL				
NO. FEATURE DESCRIPTION		(\$K)	(\$K)	(%)	(\$K)	OMB	COST	CNTG	FULLY FUNDED
						MIDPT(%)	(\$K)	(\$K)	(\$K)
Index Codes: 0 - no esc. applied; A - Administration; C - Combined indexes; All other codes used coincides with the Code of Accounts.									
SECTION 104 - NED		3,581	0		3,581		0	0	0
30 PLAN/ENGINEERING/DESIGN		1,720	773	45	2,493		0	0	0
31 CONSTRUCTION MANAGE'MT		1,145	515	45	1,660		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		31,653	9,346		40,999		0	0	0
NON-FEDERAL CONTRIBUTION (+)		3,630	1,360		4,990		0	0	0
TOTAL NON-FEDERAL COSTS		\$35,153	\$10,836		\$45,989		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach H		\$72,985	\$27,371		\$100,356		\$0	\$0	\$0
Reach I									
11 LEVEES & FLOODWALLS		10,826	4,877	45	15,703		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONSTRUCTION COSTS		10,826	4,877		15,703		0	0	0
1 LANDS & DAMAGES, Admin. (1 Construction		142	21		163		0	0	0
		142	21	15	163		0	0	0
30 PLAN/ENGINEERING/DESIGN		3,633	584		4,217		0	0	0
Construction		3,633	584		4,217		0	0	0
FEDERAL	A	1,299	584	45	1,883		0	0	0
NON FEDERAL - Section 104	A	2,334	0		2,334		0	0	0
31 CONSTRUCTION MANAGE'MT		866	390		1,256		0	0	0
Construction		866	390	45	1,256		0	0	0
SUBTOTAL FEDERAL & NON-FEDERAL CONTRIBUTION		15,467	5,872		21,339		0	0	0
NON-FEDERAL CONTRIBUTION(-)		15,467	5,872		21,339		0	0	0
TOTAL FEDERAL NED COSTS		\$0	\$0		\$0		\$0	\$0	\$0
NON-FEDERAL COSTS									
1 LANDS AND DAMAGES Construction		2,175	1,351		3,526		0	0	0
		2,175	1,351	62	3,526		0	0	0
2 RELOCATIONS		3,915	1,762	45	5,677		0	0	0
30 PLAN/ENGINEERING/DESIGN		476	211	45	687		0	0	0
31 CONSTRUCTION MANAGE'MT		313	141	45	454		0	0	0
SUBTOTAL NON-FEDERAL (INCLUDES FED IRRIGATION SHARE)		6,879	3,465		10,344		0	0	0
NON-FEDERAL CONTRIBUTION (+) Additional Cost Above NED		15,467	5,872		21,339		0	0	0
		15,467	5,872		21,339		0	0	0
TOTAL NON-FEDERAL COSTS		\$22,346	\$9,337		\$31,683		\$0	\$0	\$0
TOTAL FEDERAL AND NON-FEDERAL COSTS, Reach I		\$22,346	\$9,337		\$31,683		\$0	\$0	\$0

****DETAILED ESTIMATE OF FIRST COST****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
Reach A								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				5,075	800	15.8	-
A01180302	Gross Appraisal/Report				19,573	2,900	14.8	-
A01180303	Prelim Real Estate Acquistn Maps				7,586	1,100	14.5	-
A01180304	Physical Takngs Analysis Reports				1,036	200	19.3	-
A01180305	Prelim Attys Opinion of Compsnbl				1,036	200	19.3	-
A01180306	Rights of Entry				11,550	1,700	14.7	-
A01180307	All Other Real Estate Analy/Docs				7,667	1,200	15.7	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				185,640	27,800	15.0	-
A01230305	Real Estate Appraisal Documents				26,180	3,900	14.9	-
A01230307	Real Estate Rts of Entry/TempPermt				12,495	600	4.8	-
A01230317	Real Estate LERRD Crediting Docs				388,180	58,582	15.1	-
Subtotal, Construction Costs:					\$666,018			
Contingencies @ average of		14.9 % +/- *				\$98,982		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$765,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:		1	JOB	LS	2,222,520	1,000,134	45.0 -
110104	Permanent Access Roads and Parking:							
11010402	Site Work:							
	New Class 2 AB Maint Road - A2							
	Place 4" Aggregate Base	7,000	TN		39.00	273,000	122,850	45.0 -
	New Class 2 AB Maint Road - A1							
	Place 4" Aggregate Base	2,400	TN		43.51	104,424	46,991	45.0 -
110199	Associated General Items:							
11019902	Site Work:							
	Debris Removal	10,000	CY		25.30	253,000	113,850	45.0 -
	Clearing	47.6	ACR		11,205	533,358	240,011	45.0 -
	Stripping and Foundation	47.6	ACR		6,093	290,027	130,512	45.0 -
	Excavation, Common	417,400	CY		18.26	7,621,724	3,429,776	45.0 -
	Inspection Trench Excavation	6,000	CY		2.24	13,440	6,048	45.0 -
	Embankment from Borrow	521,750	CY		4.70	2,452,225	1,103,501	45.0 -
	Place & Remove Temporary Fill	186,900	CY		34.87	6,517,203	2,932,741	45.0 -
	Cutoff Walls	1,659,900	SF		16.83	27,936,117	12,590,736	45.1 -
	Seeding	31	ACR		4,156	128,836	57,976	45.0 -
Subtotal, Construction Costs:					\$48,345,874			
Contingencies @ average of		45.0 % +/- *				\$21,775,126		
11	LEVEES AND FLOODWALLS			TOTAL:		\$70,121,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS							
						612,100		
		FY 2009			123,900			
		FY 2010			488,200			
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE					293,750	132,188	45.0 -
30230101	Survey Markers					190,060	85,527	45.0 -
30230101	Hydraulics Studies					345,580	155,511	45.0 -
30230101	Hydrology					172,770	77,747	45.0 -
30230101	Structural Design					51,840	23,328	45.0 -
30230102	Civil Design Analysis					190,060	85,527	45.0 -
30230102	Prepare Specs- Front End					86,380	38,871	45.0 -
30230102	Civil Design Prepare Tec Specs					129,590	58,316	45.0 -
30230102	Civil Design Prepare Plans					302,390	136,076	45.0 -
30230102	Review P&S(ITR)					129,590	58,316	45.0 -
30230104	BCOE Review and Certification					86,380	38,871	45.0 -

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230104	Revise P&S				86,380	38,871	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				345,580	155,511	45.0	-
30230105	Revegetation Plan				401,740	180,783	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				112,310	50,540	45.0	-
30230403	Mitigation Analysis Report				103,680	46,656	45.0	-
30230404	Fish and Wildlife Coordination Act Report				129,590	58,316	45.0	-
30230410	NPDES Permit/SPPCP				43,200	19,440	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				172,770	77,747	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				215,990	97,196	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				172,770	77,747	45.0	-
30230703	Cost Estimates-Contract				172,770	77,747	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				86,380	38,871	45.0	-
30230801	Other Studies (ECIFP)				34,560	15,552	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				86,380	38,871	45.0	-
30230903	Repro				43,200	19,440	45.0	-
30230907	Award Contract				17,280	7,776	45.0	-
302310	ENGINEERING & DESIGN DURING				345,580	155,511	45.0	-
30231402	Amendments to P&S				86,380	38,871	45.0	-
3024	VALUE ENGINEERING ANALYSIS				112,310	50,540	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				103,680	46,656	45.0	-
302501	Local Sponsor Audit				86,380	38,871	45.0	-
302501	USACE Audit				86,380	38,871	45.0	-
302501	OMRR&R Manual				172,770	77,747	45.0	-
3026	PROGRAMS AND PROJECT MGMT				604,980	272,261	45.0	-
	Subtotal				\$6,413,530			
	Contingencies @ average of	45.0 % +/- *				\$2,610,670		A
30	PLANNING, ENGINEERING & DESIGN					\$9,024,200		
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS				3,593,804			
	SECTION 104	FY 2007		42,385				
	SECTION 104	FY 2008		55,625				
	SECTION 104	FY 2009		763,703				
	SECTION 104	FY 2010		2,732,091				
	Subtotal				\$3,593,804			
30	PLANNING, ENGINEERING & DESIGN - Section 104					\$3,593,804		
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				1,289,210	579,813	45.0	-
31231102	Area Office S&A Documents				403,010	181,355	45.0	-
31231103	District Office S&A Documents				80,450	36,203	45.0	-
31231103	Contract Mods & Negotiations				48,350	21,758	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				889,560	400,302	45.0	-
312602	Funds Control Documents				161,280	72,576	45.0	-
312603	Trip Reports				80,450	36,203	45.0	-
312604	Upward reporting Documents				48,350	21,758	45.0	-
312605	Budgetary Documents				64,590	29,066	45.0	-
312606	Project Authorization Documents				80,450	36,203	45.0	-
312607	Annual Notification Ltr				40,220	18,099	45.0	-
312608	Fact Sheets				240,570	108,257	45.0	-
312609	Correspondance(Congress/State)				80,450	36,203	45.0	-
312610	Schedule and Cost Changes				96,690	43,511	45.0	-
312611	Project Work Directives				48,350	21,758	45.0	-
312612	Project Closeout Coord Documents				48,350	21,758	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				80,450	36,203	45.0	-
312614	All Other Programs/PM Documents				48,350	21,758	45.0	-
312615	Mitigation Construction				38,680	17,406	45.0	-
	Subtotal				\$3,867,810			
	Contingencies @ average of	45.0 % +/- *				\$1,740,190		A

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:			\$5,608,000	
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				285,600		28,600	10.0 -
01230302	Real Estate Acquisition Documents				2,296,700		229,700	10.0 -
01230303	Real Estate Condemnation Documents				2,623,950		262,400	10.0 -
01230305	Real Estate Appraisal Documents				357,000		35,700	10.0 -
01230306	Real Estate PL 91-646 Asst. Doc				35,000		3,500	10.0 -
01230307	Real Estate Rts of Entry/TempPermt				267,750		26,800	10.0 -
01230315	Real Estate Payment Documents				19,255,954		5,587,346	29.0 -
	Subtotal, Construction Costs:						\$25,121,954	
	Contingencies @ average of		24.6 % +/- *				\$6,174,046	A
01	LANDS AND DAMAGES			TOTAL:			\$31,296,000	
02	RELOCATIONS							
0201	ROADS, Construction Activities							
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	11,749		5,287	45.0 -
020318	Utilities							
02031802	Site Work:							
	Irrigation Canal Relocation - A1	1	JOB	LS	37,858		17,036	45.0 -
	Irrigation Canal Relocation - A2	1	JOB	LS	111,471		0	0.0 -
	Sac City Pumping Plant Sump 160							
	Mob, Demob & Preparatory Work	1	JOB	LS	217,587		97,914	45.0 -
	Traffic Control	1	JOB	LS	18,409		8,284	45.0 -
	Temporary Fencing	1,000	LF	5.83	5,830		2,624	45.0 -
	Erosion Control	1	JOB	LS	3,780		1,701	45.0 -
	Clearing and Grubbing	0.50	ACR	5,476	2,738		1,232	45.0 -
	Stripping	0.50	ACR	3,592	1,796		808	45.0 -
	Excavate, fill & compact soil to remove existing piping	4,180	CY	5.52	23,074		10,383	45.0 -
	Remove existing piping (2-54" WSP)	450	LF	32.28	14,526		6,537	45.0 -
	Remove existing piping (2-42" WSP)	450	LF	26.82	12,069		5,431	45.0 -
	Remove existing piping (1-12" WSP)	225	LF	22.57	5,078		2,285	45.0 -
	Remove existing air relief valves & riser structure	1	JOB	LS	3,287		1,479	45.0 -
	Remove existing fence	175	LF	7.38	1,292		581	45.0 -
	Remove existing block wall	20	LF	10.76	215		97	45.1 -
	AC Pavement removal (Garden Highway)	17,000	SF	3.24	55,080		24,786	45.0 -
	WSP - 54-inch (2)	450	LF	681.98	306,891		138,101	45.0 -
	WSP - 42-inch (2)	450	VLF	607.50	273,375		123,019	45.0 -
	WSP - 12-inch	225	VLF	83.44	18,774		8,448	45.0 -
	Siphon Breakers	5	EA	10,187	50,935		22,921	45.0 -
	Backfill for Pipe Xing above levee	1,650	CY	24.53	40,475		18,214	45.0 -
	Crushed Aggregate Subbase	1,785	TN	34.76	62,047		27,921	45.0 -
	AC Pavement (Garden Highway)	595	TN	111.41	66,289		29,830	45.0 -
	Remove & Replace 715 HP Drainage Pump & Motor	2	EA	280,230	560,460		252,207	45.0 -
	Remove & Replace 420 HP Drainage Pump & Motor	2	EA	186,149	372,298		167,534	45.0 -
	Remove & Replace 50 HP Drainage Pump & Motor	1	EA	60,837	60,837		27,377	45.0 -
	Install New Electric Equipment	1	JOB	LS	339,555		152,800	45.0 -
	Security Fencing	150	LF	58.60	8,790		3,956	45.0 -
	Locate & Relocate Utils prior to excavation	1	JOB	LS	13,582		6,112	45.0 -
	Topsoil, borrow	10,890	CY	14.12	153,767		69,195	45.0 -
	Hydroseed & Mulch	0.50	ACR	3,192.58	1,596		718	45.0 -
	RD 1000 Pumping Plant No 1 A (EOPC)							
	Mob, Demob & Preparatory Work	1	JOB	LS	45,713		20,571	45.0 -
	Erosion Control	1	JOB	LS	10,000		4,500	45.0 -
	Removal of Existing Flap Gates	1	JOB	LS	3,000		1,350	45.0 -
	Removal of Existing Sluice Gate	1	JOB	LS	8,000		3,600	45.0 -
	Cast-in-place Concrete Slab	10	CY	1,000	10,000		4,500	45.0 -
	Cast-in-place concrete Wall	5	CY	2,500	12,500		5,625	45.0 -

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Install Heavy Duty Slide Gates with Electric Actuators	4	EA	158,250	633,000	284,850	45.0	-
	Flap Gates (Rectangular)	4	EA	28,188	112,752	50,738	45.0	-
	Power and Controls for Gate Actuators	1	JOB	LS	50,000	22,500	45.0	-
	Misc. Metalwork & Gate Stem Enclosure	1	JOB	LS	75,000	33,750	45.0	-
	RD 1000 Pumping Plant No 1 B							
	Mob, Demob & Preparatory Work	1	JOB	LS	180,643	81,289	45.0	-
	Traffic Control	1	JOB	LS	119,844	53,930	45.0	-
	Temporary Fencing	2,600	LF	5.83	15,158	6,821	45.0	-
	Erosion Control	1	ACR	1,890.00	1,890	851	45.0	-
	AC Pavement removal	2,500	SF	2.35	5,875	2,644	45.0	-
	Excavate, fill & compact soil to remove existing piping	833	CY	5.52	4,598	2,069	45.0	-
	Remove existing WSP (6-48")	300	LF	27.12	8,136	3,661	45.0	-
	Positive Closure Vault	1	JOB	LS	70,108	31,549	45.0	-
	Closure Valve, 48-inch	6	EA	14,142.79	84,857	38,186	45.0	-
	Dismantling Joint, 48-inch	6	EA	16,298.66	97,792	44,006	45.0	-
	Siphon Breakers (6-48")	6	EA	10,186.66	61,120	27,504	45.0	-
	Backfill for Pipe Xing above levee	222	CY	40.74	9,044	4,070	45.0	-
	Crushed Aggregate Subbase	180	TON	36.39	6,550	2,948	45.0	-
	ABC	75	TON	39.31	2,948	1,327	45.0	-
	AC Pavement	27	TON	123.71	3,340	1,503	45.0	-
	Remove & Replace, Drainage Pumps & Motors	6	EA	186,149.48	1,116,897	502,604	45.0	-
	Electrical Control Equipment	1	JOB	LS	336,160	151,272	45.0	-
	Locate & Relocate Utils prior to excavation	1	JOB	LS	13,582	6,112	45.0	-
	Bryte Bend Well Relocation	1	JOB	LS	312,500	140,625	45.0	-
	Riverside Canal, SREL 3 (EOPC) Relocation							
	Corp May 2012-Oct 31 2012							
	Mob & Demob	1	JOB	LS	50,000	22,500	45.0	-
	Demolition	1	JOB	LS	37,500	16,875	45.0	-
	Clearing & Grubbing	7	ACR	3,125	21,875	9,844	45.0	-
	Stripping	7	ACR	3,750	26,250	11,813	45.0	-
	Compacted Embankment	58,400	CY	6.25	365,000	164,250	45.0	-
	General Excavation	380	CY	4.38	1,664	749	45.0	-
	Concrete Canal Lining	380	CY	312.50	118,750	53,438	45.0	-
	Class 2 Aggregate Base	1,900	TON	31.25	59,375	26,719	45.0	-
	Field Irrigation Turnout	3	EA	7,500	22,500	10,125	45.0	-
	Erosion Control Seeding	3.60	ACR	5,000	18,000	8,100	45.0	-
	Water Control Facilities	1	JOB	LS	63,750	28,688	45.0	-
	Misc Sitework	1	JOB	LS	8,750	3,938	45.0	-
	Riverside Canal, SREL 3B (EOPC) Relocation							
	May 2012-Oct 31 2012							
	Mob & Demob	1	JOB	LS	187,500	84,375	45.0	-
	Demolition	1	JOB	LS	93,750	42,188	45.0	-
	Clearing & Grubbing	17	ACR	3,125	53,125	23,906	45.0	-
	Stripping	17	ACR	3,750	63,750	28,688	45.0	-
	Compacted Embankment	83,600	CY	6.25	522,500	235,125	45.0	-
	General Excavation	300	CY	4.38	1,314	591	45.0	-
	Concrete Canal Lining	2,300	CY	312.50	718,750	323,438	45.0	-
	Class 2 Aggregate Base	3,800	TON	31.25	118,750	53,438	45.0	-
	Field Irrigation Turnout	5	EA	7,500	37,500	16,875	45.0	-
	Erosion Control Seeding	5.00	ACR	5,000	25,000	11,250	45.0	-
	30-IN HDPE Pipeline	5,900	LF	275	1,622,500	730,619	45.0	-
	Water Control Facilities	1	JOB	LS	150,000	67,500	45.0	-
	Misc Sitework	1	JOB	LS	20,000	9,000	45.0	-
02031815	Mechanical							
	Private Irrigation Facility Relocation (Tennet-Labvitch)							
	Mob/Demob	1	JOB	LS	67,911	30,560	45.0	-
	Temporary Protective Fencing	240	LF	5.83	1,399	630	45.0	-
	Demolition	1	JOB	LS	4,897	2,204	45.0	-
	Domestic Well Abandonment - APN 274-0260-0XX	1	JOB	LS	5,840	2,628	45.0	-
	10-inch Gate Valve in Box	2	EA	3,130.42	6,261	2,817	45.0	-
	3-inch Siphon/Air Valve in Vault	2	EA	6,791.00	13,582	6,112	45.0	-
	10-inch WSP	50	LF	378.69	18,935	8,521	45.0	-
	Bollards	4	EA	615.43	2,462	1,108	45.0	-
	Well							
	Mob/Demob	1	JOB	LS	20,373	9,168	45.0	-
	Well Site Cleanup	1	JOB	LS	1,358	611	45.0	-
	Well Disinfection	1	JOB	LS	2,988	1,345	45.0	-
	Water Quality Testing	1	JOB	LS	2,037	917	45.0	-
	40 HP Vertical Turbine Well Pump	1	EA	52,260.00	52,260	23,517	45.0	-
	Well Development and Testing	1	JOB	LS	70,972	31,937	45.0	-
	Sanitary Sealing	50	VLF	83.45	4,173	1,878	45.0	-
	Filter Pack	250	VLF	109.81	27,453	12,354	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Wire Wrapped Well Screen	100	VLF	576.26	57,626	25,932	45.0	-
	Blank Casing (16-IN diameter)	110	VLF	322.11	35,432	15,944	45.0	-
	16-IN Well Casing	80	VLF	322.11	25,769	11,596	45.0	-
	Borehole drilling (26-IN diameter)	300	VLF	209.64	62,892	28,301	45.0	-
	30-IN Conductor Casing	50	VLF	593.75	29,688	13,360	45.0	-
	Outer Borehole Drilling (36-IN diameter)	50	VLF	209.64	10,482	4,717	45.0	-
	Test Boring	350	VLF	116.47	40,765	18,344	45.0	-
	Water Lines	200	LF	160.46	32,092	14,441	45.0	-
02031815	Electrical							
	Utility Pole Relocation - Reach A1	20	EA	10,000	200,000	90,000	45.0	-
	Utility Pole Relocation - Reach A2	60	EA	10,000	600,000	270,000	45.0	-
020399	Associated General Items:							
02039902	Site Work:							
	Retaining Wall	150	LF	409.77	61,466	27,660	45.0	-
	Rock Reventment							
	Import & Place Quarry Stone	925	TON	50.66	46,861	21,087	45.0	-
	Subtotal, Construction Costs:				\$12,180,344			
	Contingencies @ average of	44.6 % +/- *				\$5,431,494		A
02	RELOCATIONS			TOTAL:		\$17,611,838		
30	PLANNING, ENGINEERING & DESIGN - Relocation				730,820	326,239	44.6	-
30	SUNK COSTS				3,931			
		FY 2007		889				
		FY 2010		3,042				
	Subtotal				\$734,751			
	Contingencies @ average of	44.4 % +/- *				\$326,239		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$1,060,990		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				974,430	434,557	44.6	-
	Subtotal				\$974,430			
	Contingencies @ average of	44.6 % +/- *				\$434,557		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$1,408,987		
Reach B								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				6,363	954	15.0	-
A01180302	Gross Appraisal/Report				24,543	3,681	15.0	-
A01180303	Prelim Real Estate Acquistn Maps				9,512	1,427	15.0	-
A01180304	Physical Takngs Analysis Reports				1,299	195	15.0	-
A01180305	Prelim Attys Opinion of Compnsbl				1,299	195	15.0	-
A01180307	All Other Real Estate Analy/Docs				8,344	1,252	15.0	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				238,680	35,802	15.0	-
A01230305	Real Estate Appraisal Documents				33,660	5,049	15.0	-
A01230317	Real Estate LERRD Crediting Docs				497,660	75,085	15.1	-
	Subtotal, Construction Costs:				\$821,360			
	Contingencies @ average of	15.1 % +/- *				\$123,640		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$945,000		
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	AECOM, 2010, estimates \$150,000 per acre for mitigation bank	10.90	ACR	150,000	1,635,000	0	0.0	-
	Subtotal, Construction Costs:				<u>\$1,635,000</u>			
06	FISH AND WILDLIFE FACILITIES			TOTAL:				\$1,635,000
06	FISH AND WILDLIFE FACILITIES - Section 104 ??????							
06	SUNK COSTS				40,720			
	Section 104	FY 2009		14,470				
	Section 104	FY 2010		26,250				
	Subtotal, Construction Costs:				<u>\$40,720</u>			
06	FISH AND WILDLIFE FACILITIES - Section 104 ??????			TOTAL:				\$40,720
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110199	Associated General Items:							
11019902	Site Work:							
	W Drainage Canal (EOPC) April 2012- Oct 2012 Corp							
	Mob & Demob	1	JOB	LS	60,471	27,212	45.0	-
	Demolition	1	JOB	LS	125,000	56,250	45.0	-
	Clearing & Grubbing	1	JOB	LS	112,500	50,625	45.0	-
	Stripping	23	ACR		9,375	215,625	97,031	45.0
	Excavation	56,173	CY		11.88	667,054	299,819	44.9
	Fill	20,400	CY		4.38	89,250	40,163	45.0
	Subtotal, Construction Costs:					\$1,269,900		
	Contingencies @ average of	45.0	% +/- *				<u>\$571,100</u>	
11	LEVEES AND FLOODWALLS			TOTAL:				\$1,841,000
11	LEVEES AND FLOODWALLS - Section 104							
11	SUNK COSTS				29,802,244			
	Demo, Structure Demo, Tree Removal, Contract FY 2010 4047 May 2010 Sep 31 2010 FY10 Complete			198,647				
	GGs Drainage Canal, Schoolhouse Rd Pipeline FY 2010 & Teal Bend Pipeline, Contract 4046 May 2010 Sep 31 2010 FY10 Complete			5,176,326				
	Levees, Contract 4046 May 2010 May 2010 Sep 31 2010 FY10 Complete		FY 2010	19,193,057				
	Airport N Borrow Sites 2, 2A & 6 & S Sutter, Contract 4046 May 2010 Sep 31 2010 FY10 Complete		FY 2010	5,234,214				
1101	LEVEES							
110199	Associated General Items:							
11019902	Site Work:							
	Levees, (SREL 3) (EOPC) April 2011- Oct 2011 Non-Fed							
	Mob/Demob	1	JOB	LS	1,150,976	230,195	20.0	-
	SWPP	1	JOB	LS	60,000	12,000	20.0	-
	Temporary Protective Fencing	2,200	LF	4.50	9,900	1,980	20.0	-
	Mowing & Discing	21.90	ACR	1,500	32,850	6,570	20.0	-
	Clearing & Grubbing	150.10	ACR	2,000	300,200	60,040	20.0	-
	Levee & Canal Stripping	150.10	ACR	3,500	525,350	105,070	20.0	-
	Demolition	1	JOB	LS	50,000	10,000	20.0	-
	Excavate Stability Berm	76,700	CY	12.00	920,400	184,080	20.0	-
	Levee Foundations & Misc Excavation	197,400	CY	7.00	1,381,800	276,360	20.0	-
	Inspection Trench Excavation	89,000	CY	7.00	623,000	124,600	20.0	-
	Random Fill	1,271,100	CY	4.15	5,275,065	1,055,013	20.0	-
	Levee Embankment Fill	1,150,200	CY	7.21	8,292,942	1,684,530	20.3	-
	DSM Cutoff Wall	239,900	SF	15.00	3,598,500	719,700	20.0	-
	Erosion Control Seeding	188.20	SY	3,500	658,700	131,740	20.0	-
	Class 2 Aggregate Base	33,200	TN	60	1,992,000	398,400	20.0	-
	Unsuitable Debris	5,000	TN	52.40	262,000	52,400	20.0	-
	Construct Interim Termination	1	JOB	LS	34,755	6,951	20.0	-
	Remove Interim Termination	1	JOB	LS	7,241	1,448	20.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Subtotal, Construction Costs:				\$54,977,923			
	Contingencies @ average of	20.1 % +/- *					\$5,061,077	
11	LEVEES AND FLOODWALLS - Section 104			TOTAL:			\$60,039,000	
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				1,530,100			
		FY 2009		309,700				
		FY 2010		1,220,400				
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				7,720	3,474	45.0	-
30230101	Survey Markers				4,990	2,246	45.0	-
30230101	Hydraulics Studies				9,080	4,086	45.0	-
30230101	Hydrology				4,540	2,043	45.0	-
30230101	Structural Design				1,360	612	45.0	-
30230102	Civil Design Analysis				4,990	2,246	45.0	-
30230102	Prepare Specs- Front End				2,270	1,022	45.0	-
30230102	Civil Design Prepare Tec Specs				3,400	1,530	45.0	-
30230102	Civil Design Prepare Plans				7,940	3,573	45.0	-
30230102	Review P&S(ITR)				3,400	1,530	45.0	-
30230104	BCOE Review and Certification				2,270	1,022	45.0	-
30230104	Revise P&S				2,270	1,022	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				9,080	4,086	45.0	-
30230105	Revegetation Plan				10,550	4,748	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				2,950	1,328	45.0	-
30230403	Mitigation Analysis Report				2,720	1,224	45.0	-
30230404	Fish and Wildlife Coordination Act Report				3,400	1,530	45.0	-
30230410	NPDES Permit/SPPCP				1,130	509	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				4,540	2,043	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				5,670	2,552	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				4,540	2,043	45.0	-
30230703	Cost Estimates-Contract				4,540	2,043	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				2,270	1,022	45.0	-
30230801	Other Studies (ECIFP)				910	410	45.1	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				2,270	1,022	45.0	-
30230903	Repro				1,130	509	45.0	-
30230907	Award Contract				450	203	45.1	-
302310	ENGINEERING & DESIGN DURING				9,080	4,086	45.0	-
30231402	Amendments to P&S				2,270	1,022	45.0	-
3024	VALUE ENGINEERING ANALYSIS				2,950	1,328	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				2,720	1,224	45.0	-
302501	Local Sponsor Audit				2,270	1,022	45.0	-
302501	USACE Audit				2,270	1,022	45.0	-
302501	OMRR&R Manual				4,540	2,043	45.0	-
3026	PROGRAMS AND PROJECT MGMT				15,890	6,805	42.8	-
	Subtotal				\$1,682,470			
	Contingencies @ average of	44.8 % +/- *					\$68,230	A
30	PLANNING, ENGINEERING & DESIGN			TOTAL:			\$1,750,700	
30	PLANNING, ENGINEERING & DESIGN - Section 104	6% of Remaining			1,510,541	302,585	20.0	-
30	SUNK COSTS				32,546,874			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		333,581				
	SECTION 104	FY 2007		797,924				
	SECTION 104	FY 2008		6,152,775				
	SECTION 104	FY 2009		12,765,860				
	SECTION 104	FY 2010		12,496,734				
	Subtotal				\$34,057,415			
	Contingencies @ average of	20.0 % +/- *					\$302,585	A
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:			\$34,360,000	

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				33,860	5,233	15.5	-
31231102	Area Office S&A Documents				10,590	1,589	15.0	-
31231103	District Office S&A Documents				2,110	317	15.0	-
31231103	Contract Mods & Negotiations				1,270	191	15.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				23,370	3,506	15.0	-
312602	Funds Control Documents				4,240	636	15.0	-
312603	Trip Reports				2,110	317	15.0	-
312604	Upward reporting Documents				1,270	191	15.0	-
312605	Budgetary Documents				1,700	255	15.0	-
312606	Project Authorization Documents				2,110	317	15.0	-
312607	Annual Notification Ltr				1,060	159	15.0	-
312608	Fact Sheets				6,320	948	15.0	-
312609	Correspondance(Congress/State)				2,110	317	15.0	-
312610	Schedule and Cost Changes				2,540	381	15.0	-
312611	Project Work Directives				1,270	191	15.0	-
312612	Project Closeout Coord Documents				1,270	191	15.0	-
312613	Quarterly Cost Rpt to Local Sponsor				2,110	317	15.0	-
312614	All Other Programs/PM Documents				1,270	191	15.0	-
312615	Mitigation Construction				1,020	153	15.0	-
	Subtotal				\$101,600			
	Contingencies @ average of		15.2 % +/- *			\$15,400		A
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:		\$117,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104		8% of Remaining		2,014,054	302,512	15.0	-
31	SUNK COSTS				4,190,434			
	SECTION 104	FY 2008		2,129				
	SECTION 104	FY 2009		432,608				
	SECTION 104	FY 2010		3,755,697				
	Subtotal				\$6,204,488			
	Contingencies @ average of		15.0 % +/- *			\$302,512		A
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			TOTAL:		\$6,507,000		
NON-FEDERAL								
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				367,200	18,400	5.0	-
01230302	Real Estate Acquisition Documents				2,952,900	442,900	15.0	-
01230303	Real Estate Condemnation Documents				3,373,650	168,700	5.0	-
01230305	Real Estate Appraisal Documents				459,000	68,900	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				25,000	3,800	15.2	-
01230307	Real Estate Rts of Entry/TempPermt				344,250	17,200	5.0	-
01230315	Real Estate Payment Documents				37,543,918	15,365,182	40.9	-
	Subtotal, Construction Costs:				\$45,065,918			
	Contingencies @ average of		35.7 % +/- *			\$16,085,082		A
01	LANDS AND DAMAGES			TOTAL:		\$61,151,000		
02	RELOCATIONS							
02	SUNK COSTS				4,711,874			
	Relocations, Roads, Contract 4046	May 2010	FY 2010	1,040,476				
	Sep 31 2010 FY10 Complete							
	Elkhorn Irr Canal, Phase 2A, Contract 4047		FY 2010	1,766,328				
	May 2010 Sep 31 2010 FY10 Complete							
	Relocations, Private Irr Fac, Contract 4047	May	FY 2010	1,524,578				
	2010 Sep 31 2010 FY10 Complete							
	Elkhorn PP, Contract 4046	May 2010 Sep 31	FY 2010	374,028				
	2010 FY10 Complete							
	Underground Electrical Conduit for Street Light		FY 2010	1,925				
	Contract 4046	May 2010 Sep 31 2010 FY10						
	Complete							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Relocate Street Light Contract 4046 May 2010	FY 2010			4,539			
	Sep 31 2010 FY10 Complete							
0201	ROADS, Construction Activities							
020139	Road Surfacing							
02013902	Site Work:							
	Relocations, Road, (EOPC) (SREL 3) April 2011- Oct 2011							
	Mob/Demob	1	JOB	LS	51,174	7,676	15.0	-
	Temporary Traffic Control System	1	JOB	LS	100,000	15,000	15.0	-
	Drainage Inlet Type "F" (including grate)	5	EA	1,300	6,500	975	15.0	-
	RCP, 24-inch, under roadway	120	LF	202.98	24,358	3,654	15.0	-
	RCP, 24-inch (non-paved areas)	221.50	LF	134.60	29,814	4,472	15.0	-
	Manhole	4	EA	3,153.10	12,612	1,892	15.0	-
	Rock Slope Protection - Type 1	86.70	TN	85	7,370	1,106	15.0	-
	Rock Slope Protection - Type 2	264.20	TN	70	18,494	2,774	15.0	-
	Bedding Material	55.20	TN	65	3,588	538	15.0	-
	Saw Cutting	900	LF	4.00	3,600	540	15.0	-
	Remove AC Surfacing	5,050	SY	20	101,000	15,150	15.0	-
	Roadway Excavation	4,350	CY	30	130,500	19,575	15.0	-
	Asphalt Concrete Paving	1,720	TN	120	206,400	30,960	15.0	-
	Lime Modified Soil	1,950	CY	20	39,000	5,850	15.0	-
	Class 2 Aggregate Base	2,560	TN	60	153,600	23,040	15.0	-
	Compacted Subbase	4,800	CY	33.15	159,120	23,868	15.0	-
	Furnish & Install New Sign	4	EA	237.04	948	142	15.0	-
	Remove Roadside Sign	1	EA	59.26	59	9	15.3	-
	Relocate Roadside Sign	9	EA	399.54	3,596	539	15.0	-
	Sign, Roadside - One Post	10	EA	321.94	3,219	483	15.0	-
	4-inch Solid Yellow Thermoplastic Stripe	2,010	LF	0.59	1,186	178	15.0	-
	4-inch Solid White Thermoplastic Stripe	4,510	LF	0.59	2,661	399	15.0	-
	12-inch Solid White Thermoplastic Stripe	120	LF	6.43	772	116	15.0	-
	Thermoplastic Pavement Marking	70	SF	6.43	450	68	15.1	-
	Pavement Marker (retro reflective)	170	EA	4.29	729	109	15.0	-
	Pipe Gate	8	EA	1,737.75	13,902	2,085	15.0	-
	Riverside Canal, SREL 3 (EOPC) April 2011- Oct 2011							
	Mob & Demob	1	JOB	LS	200,000	30,000	15.0	-
	Demolition	1	JOB	LS	150,000	22,500	15.0	-
	Clearing & Grubbing	28	ACR	3,125	87,500	13,125	15.0	-
	Stripping	28	ACR	3,750	105,000	15,750	15.0	-
	Compacted Embankment	233,600	CY	6.25	1,460,000	219,000	15.0	-
	General Excavation	1,520	CY	4.38	6,650	997	15.0	-
	Concrete Canal Lining	1,520	CY	312.50	475,000	71,250	15.0	-
	Class 2 Aggregate Base	7,600	TN	31.25	237,500	35,625	15.0	-
	Field Irrigation Turnout	14	EA	7,500	105,000	15,750	15.0	-
	Erosion Control Seeding	14.40	ACR	5,000	72,000	10,800	15.0	-
	Plant 3 Intake Channel Pipe Crossing	1	JOB	LS	868,750	130,313	15.0	-
	Plant 3 Recirculation Outfall	1	JOB	LS	218,750	32,813	15.0	-
	Riverside Pumping Plant Outfall	1	JOB	LS	182,500	27,375	15.0	-
	Water Control Facilities	1	JOB	LS	255,000	38,250	15.0	-
	Misc Sitework	1	JOB	LS	35,000	5,250	15.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020318	Utilities							
02031815	Mechanical							
	Pumping Plants							
	Elkhorn PP, Remaining (EOPC) April 2011- Oct 2011	1	JOB	LS	2,921,059	438,159	15.0	-
	RD1000 PP No5 (EOPC) April 2011- Oct 2011	1	JOB	LS	3,951,254	592,688	15.0	-
	RD1000 PP No 3 (EOPC) April 2011- Oct 2011	1	JOB	LS	3,816,902	572,535	15.0	-
	Riverside PP, Ph1 (EOPC) April 2011- Oct 2011	1	JOB	LS	297,101	44,565	15.0	-
	Riverside PP, Ph2 (EOPC) April 2011- Oct 2011	1	JOB	LS	1,298,444	194,767	15.0	-
	Levee Improvements for delayed PP relocations, EOPC							
	Mob/Demob	1	JOB	LS	125,000	56,250	45.0	-
	Storm Water Pollution Control	18	ACR	5,000.00	90,000	40,500	45.0	-
	Traffic Control	1	JOB	LS	25,000	11,250	45.0	-
	Clearing & Grubbing	18	ACR	3,125.00	56,250	25,313	45.0	-
	Levee Stripping	18	ACR	6,250.00	112,500	50,625	45.0	-
	Borrow Site Surface Layer Removal, Stockpile & Respread	21	ACR	6,875.00	144,375	64,969	45.0	-
	Borrow Site Excavation	168,000	CY	6.25	1,050,000	472,500	45.0	-
	Levee Embankment Degrade	45,100	CY	5.00	225,500	101,475	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Canal Cut	20,000	CY	5.00	100,000	45,000	45.0	-
	Embankment Fill	220,100	CY	3.75	825,375	371,419	45.0	-
	Cutoff Wall	164,400	SF	8.13	1,336,572	601,810	45.0	-
	Revegetation	18	ACR	2,812.50	50,625	22,781	45.0	-
	Cutoff Wall - reduced	(110,000)	SF	8.13	(894,300)	(402,435)	45.0	-
	Subtotal, Construction Costs:				\$25,776,833			
	Contingencies @ average of	19.6 % +/- *				\$4,134,167		A
02	RELOCATIONS			TOTAL:		\$29,911,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation	6% of Remaining			1,263,900	247,645	19.6	-
30	SUNK COSTS				101,455			
		FY 2008		3,064				
		FY 2009		26,561				
		FY 2010		71,830				
	Subtotal				\$1,365,355			
	Contingencies @ average of	18.1 % +/- *				\$247,645		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$1,613,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation	8% of Remaining			1,685,200	330,679	19.6	-
31	SUNK COSTS				93,121			
		FY 2007		3,554				
		FY 2008		1,975				
		FY 2009		169				
		FY 2010		87,423				
	Subtotal				\$1,778,321			
	Contingencies @ average of	18.6 % +/- *				\$330,679		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$2,109,000		
Reach B - 2								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				6,363	954	15.0	-
A01180302	Gross Appraisal/Report				24,543	3,681	15.0	-
A01180303	Prelim Real Estate Acquistn Maps				9,512	1,427	15.0	-
A01180304	Physical Takngs Analysis Reports				1,299	195	15.0	-
A01180305	Prelim Attys Opinion of Compsnbl				1,299	195	15.0	-
A01180307	All Other Real Estate Analy/Docs				8,344	1,252	15.0	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				238,680	35,802	15.0	-
A01230305	Real Estate Appraisal Documents				33,660	5,049	15.0	-
A01230317	Real Estate LERRD Crediting Docs				497,660	75,085	15.1	-
	Subtotal, Construction Costs:				\$821,360			
	Contingencies @ average of	15.1 % +/- *				\$123,640		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$945,000		
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							
	AECOM, 2010, estimates \$150,000 per acre for mitigation bank	10.90	ACR	150,000	1,635,000	0	0.0	-
	Subtotal, Construction Costs:				\$1,635,000			
06	FISH AND WILDLIFE FACILITIES			TOTAL:		\$1,635,000		

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
06	FISH AND WILDLIFE FACILITIES - Section 104 ??????							
06	SUNK COSTS				40,720			
	Section 104			FY 2009	14,470			
	Section 104			FY 2010	26,250			
	Subtotal, Construction Costs:				<u>\$40,720</u>			
06	FISH AND WILDLIFE FACILITIES - Section 104 ??????			TOTAL:			\$40,720	
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110199	Associated General Items:							
11019902	Site Work:							
	W Drainage Canal (EOPC) April 2012- Oct 2012							
	Corp							
	Mob & Demob	1	JOB	LS	60,471	27,212	45.0	-
	Demolition	1	JOB	LS	125,000	56,250	45.0	-
	Clearing & Grubbing	1	JOB	LS	112,500	50,625	45.0	-
	Stripping	23	ACR	9,375	215,625	97,031	45.0	-
	Excavation	56,173	CY	11.88	667,054	300,174	45.0	-
	Fill	20,400	CY	4.38	89,250	40,163	45.0	-
	Subtotal, Construction Costs:					<u>\$1,269,900</u>		
	Contingencies @ average of	45.0	% +/- *					<u>\$571,455</u>
11	LEVEES AND FLOODWALLS			TOTAL:				\$1,841,355
11	LEVEES AND FLOODWALLS - Section 104							
11	SUNK COSTS				29,802,244			
	Demo, Structure Demo, Tree Removal, Contract FY 2010			198,647				
	4047 May 2010 Sep 31 2010 FY10 Complete							
	GGs Drainage Canal, Schoolhouse Rd Pipeline FY 2010			5,176,326				
	& Teal Bend Pipeline, Contract 4046 May 2010							
	Sep 31 2010 FY10 Complete							
	Levees, Contract 4046 May 2010 May 2010 FY 2010			19,193,057				
	Sep 31 2010 FY10 Complete							
	Airport N Borrow Sites 2, 2A & 6 & S Sutter, FY 2010			5,234,214				
	Contract 4046 May 2010 Sep 31 2010 FY10 Complete							
1101	LEVEES							
110199	Associated General Items:							
11019902	Site Work:							
	Levees, (SREL 3) (EOPC) April 2011- Oct 2011 Non-Fed							
	Mob/Demob	1	JOB	LS	1,150,976	230,195	20.0	-
	SWPP	1	JOB	LS	60,000	12,000	20.0	-
	Temporary Protective Fencing	2,200	LF	4.50	9,900	1,980	20.0	-
	Mowing & Discing	21.90	ACR	1,500	32,850	6,570	20.0	-
	Clearing & Grubbing	150.10	ACR	2,000	300,200	60,040	20.0	-
	Levee & Canal Stripping	150.10	ACR	3,500	525,350	105,070	20.0	-
	Demolition	1	JOB	LS	50,000	10,000	20.0	-
	Excavate Stability Berm	76,700	CY	12.00	920,400	184,080	20.0	-
	Levee Foundations & Misc Excavation	197,400	CY	7.00	1,381,800	276,360	20.0	-
	Inspection Trench Excavation	89,000	CY	7.00	623,000	124,600	20.0	-
	Random Fill	1,271,100	CY	4.15	5,275,065	1,055,013	20.0	-
	Levee Embankment Fill	1,150,200	CY	7.21	8,292,942	1,658,588	20.0	-
	DSM Cutoff Wall	239,900	SF	10.81	2,593,319	518,664	20.0	-
	Erosion Control Seeding	188.20	SY	3,500	658,700	131,740	20.0	-
	Class 2 Aggregate Base	33,200	TN	60	1,992,000	398,400	20.0	-
	Unsuitable Debris	5,000	TN	52.40	262,000	52,400	20.0	-
	Construct Interim Termination	1	JOB	LS	34,755	6,951	20.0	-
	Remove Interim Termination	1	JOB	LS	7,241	1,448	20.0	-
	Subtotal, Construction Costs:					<u>\$53,972,742</u>		
	Contingencies @ average of	20.0	% +/- *					<u>\$4,834,099</u>
11	LEVEES AND FLOODWALLS - Section 104			TOTAL:				\$58,806,841

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30	PLANNING, ENGINEERING & DESIGN							
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				9,640	0	0.0	-
30230101	Survey Markers				6,240	0	0.0	-
30230101	Hydraulics Studies				11,350	0	0.0	-
30230101	Hydrology				5,670	0	0.0	-
30230101	Structural Design				1,700	0	0.0	-
30230102	Civil Design Analysis				6,240	0	0.0	-
30230102	Prepare Specs- Front End				2,840	0	0.0	-
30230102	Civil Design Prepare Tec Specs				4,260	0	0.0	-
30230102	Civil Design Prepare Plans				9,930	0	0.0	-
30230102	Review P&S(ITR)				4,260	0	0.0	-
30230104	BCOE Review and Certification				2,840	0	0.0	-
30230104	Revise P&S				2,840	0	0.0	-
30230105	Geotechnical Studies(Geol and Soils)				11,350	0	0.0	-
30230105	Revegetation Plan				13,190	0	0.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				3,690	0	0.0	-
30230403	Mitigation Analysis Report				3,400	0	0.0	-
30230404	Fish and Wildlife Coordination Act Report				4,260	0	0.0	-
30230410	NPDES Permit/SPPCP				1,420	0	0.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				5,670	0	0.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				7,090	0	0.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				5,670	0	0.0	-
30230703	Cost Estimates-Contract				5,670	0	0.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				2,840	0	0.0	-
30230801	Other Studies (ECIFP)				1,130	0	0.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				2,840	0	0.0	-
30230903	Repro				1,420	0	0.0	-
30230907	Award Contract				570	0	0.0	-
302310	ENGINEERING & DESIGN DURING				11,350	0	0.0	-
30231402	Amendments to P&S				2,840	0	0.0	-
3024	VALUE ENGINEERING ANALYSIS				3,690	0	0.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				3,400	0	0.0	-
302501	Local Sponsor Audit				2,840	0	0.0	-
302501	USACE Audit				2,840	0	0.0	-
302501	OMRR&R Manual				5,670	0	0.0	-
3026	PROGRAMS AND PROJECT MGMT				19,860	0	0.0	-
	Subtotal				<u>\$190,510</u>			
30	PLANNING, ENGINEERING & DESIGN			TOTAL:			\$190,510	
30	PLANNING, ENGINEERING & DESIGN - Section 104			6% of Remaining	1,450,230	0	0.0	-
30	SUNK COSTS				32,546,874			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006			333,581			
	SECTION 104	FY 2007			797,924			
	SECTION 104	FY 2008			6,152,775			
	SECTION 104	FY 2009			12,765,860			
	SECTION 104	FY 2010			12,496,734			
	Subtotal				<u>\$33,997,104</u>			
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:			\$33,997,104	
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				33,860	0	0.0	-
31231102	Area Office S&A Documents				10,590	0	0.0	-
31231103	District Office S&A Documents				2,110	0	0.0	-
31231103	Contract Mods & Negotiations				1,270	0	0.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				23,370	0	0.0	-
312602	Funds Control Documents				4,240	0	0.0	-
312603	Trip Reports				2,110	0	0.0	-
312604	Upward reporting Documents				1,270	0	0.0	-
312605	Budgetary Documents				1,700	0	0.0	-
312606	Project Authorization Documents				2,110	0	0.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
312607	Annual Notification Ltr				1,060	0	0.0	-
312608	Fact Sheets				6,320	0	0.0	-
312609	Correspondance(Congress/State)				2,110	0	0.0	-
312610	Schedule and Cost Changes				2,540	0	0.0	-
312611	Project Work Directives				1,270	0	0.0	-
312612	Project Closeout Coord Documents				1,270	0	0.0	-
312613	Quarterly Cost Rpt to Local Sponsor				2,110	0	0.0	-
312614	All Other Programs/PM Documents				1,270	0	0.0	-
312615	Mitigation Construction				1,020	0	0.0	-
	Subtotal				\$101,600			
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:			\$101,600	
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104		8% of Remaining		1,933,640	0	0.0	-
31	SUNK COSTS				4,190,434			
	SECTION 104	FY 2008		2,129				
	SECTION 104	FY 2009		432,608				
	SECTION 104	FY 2010		3,755,697				
	Subtotal				\$6,124,074			
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			TOTAL:			\$6,124,074	
NON-FEDERAL								
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				367,200	18,400	5.0	-
01230302	Real Estate Acquisition Documents				2,952,900	442,900	15.0	-
01230303	Real Estate Condemnation Documents				3,373,650	168,700	5.0	-
01230305	Real Estate Appraisal Documents				459,000	68,900	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				25,000	3,800	15.2	-
01230307	Real Estate Rts of Entry/TempPermt				344,250	17,200	5.0	-
01230315	Real Estate Payment Documents				37,543,918	15,365,182	40.9	-
	Subtotal, Construction Costs:				\$45,065,918			
	Contingencies @ average of		35.7 % +/- *				\$16,085,082	A
01	LANDS AND DAMAGES			TOTAL:			\$61,151,000	
02	RELOCATIONS							
02	SUNK COSTS				4,711,874			
	Relocations, Roads, Contract 4046 May 2010 Sep 31 2010 FY10 Complete	FY 2010		1,040,476				
	Elkhorn Irr Canal, Phase 2A, Contract 4047 May 2010 Sep 31 2010 FY10 Complete	FY 2010		1,766,328				
	Relocations, Private Irr Fac, Contract 4047 May 2010 Sep 31 2010 FY10 Complete	FY 2010		1,524,578				
	Elkhorn PP, Contract 4046 May 2010 Sep 31 2010 FY10 Complete	FY 2010		374,028				
	Underground Electrical Conduit for Street Light Contract 4046 May 2010 Sep 31 2010 FY10 Complete	FY 2010		1,925				
	Relocate Street Light Contract 4046 May 2010 Sep 31 2010 FY10 Complete	FY 2010		4,539				
0201	ROADS, Construction Activities							
020139	Road Surfacing							
02013902	Site Work:							
	Relocations, Road, (EOPC) (SREL 3) April 2011- Oct 2011							
	Mob/Demob	1	JOB	LS	51,174	7,676	15.0	-
	Temporary Traffic Control System	1	JOB	LS	100,000	15,000	15.0	-
	Drainage Inlet Type "F" (including grate)	5	EA	1,300	6,500	975	15.0	-
	RCP, 24-inch, under roadway	120	LF	202.98	24,358	3,654	15.0	-
	RCP, 24-inch (non-paved areas)	221.50	LF	134.60	29,814	4,472	15.0	-
	Manhole	4	EA	3,153.10	12,612	1,892	15.0	-
	Rock Slope Protection - Type 1	86.70	TN	85	7,370	1,106	15.0	-
	Rock Slope Protection - Type 2	264.20	TN	70	18,494	2,774	15.0	-
	Bedding Material	55.20	TN	65	3,588	538	15.0	-
	Saw Cutting	900	LF	4.00	3,600	540	15.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Remove AC Surfacing	5,050	SY	20	101,000	15,150	15.0	-
	Roadway Excavation	4,350	CY	30	130,500	19,575	15.0	-
	Asphalt Concrete Paving	1,720	TN	120	206,400	30,960	15.0	-
	Lime Modified Soil	1,950	CY	20	39,000	5,850	15.0	-
	Class 2 Aggregate Base	2,560	TN	60	153,600	23,040	15.0	-
	Compacted Subbase	4,800	CY	33.15	159,120	23,868	15.0	-
	Furnish & Install New Sign	4	EA	237.04	948	142	15.0	-
	Remove Roadside Sign	1	EA	59.26	59	9	15.3	-
	Relocate Roadside Sign	9	EA	399.54	3,596	539	15.0	-
	Sign, Roadside - One Post	10	EA	321.94	3,219	483	15.0	-
	4-inch Solid Yellow Thermoplastic Stripe	2,010	LF	0.59	1,186	178	15.0	-
	4-inch Solid White Thermoplastic Stripe	4,510	LF	0.59	2,661	399	15.0	-
	12-inch Solid White Thermoplastic Stripe	120	LF	6.43	772	116	15.0	-
	Thermoplastic Pavement Marking	70	SF	6.43	450	68	15.1	-
	Pavement Marker (retro reflective)	170	EA	4.29	729	109	15.0	-
	Pipe Gate	8	EA	1,737.75	13,902	2,085	15.0	-
	Riverside Canal, SREL 3 (EOPC) April 2011- Oct 2011							
	Mob & Demob	1	JOB	LS	200,000	30,000	15.0	-
	Demolition	1	JOB	LS	150,000	22,500	15.0	-
	Clearing & Grubbing	28	ACR	3,125	87,500	13,125	15.0	-
	Stripping	28	ACR	3,750	105,000	15,750	15.0	-
	Compacted Embankment	233,600	CY	6.25	1,460,000	219,000	15.0	-
	General Excavation	1,520	CY	4.38	6,650	997	15.0	-
	Concrete Canal Lining	1,520	CY	312.50	475,000	71,250	15.0	-
	Class 2 Aggregate Base	7,600	TN	31.25	237,500	35,625	15.0	-
	Field Irrigation Turnout	14	EA	7,500	105,000	15,750	15.0	-
	Erosion Control Seeding	14.40	ACR	5,000	72,000	10,800	15.0	-
	Plant 3 Intake Channel Pipe Crossing	1	JOB	LS	868,750	130,313	15.0	-
	Plant 3 Recirculation Outfall	1	JOB	LS	218,750	32,813	15.0	-
	Riverside Pumping Plant Outfall	1	JOB	LS	182,500	27,375	15.0	-
	Water Control Facilities	1	JOB	LS	255,000	38,250	15.0	-
	Misc Sitework	1	JOB	LS	35,000	5,250	15.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020318	Utilities							
02031815	Mechanical							
	Pumping Plants							
	Elkhorn PP, Remaining (EOPC) April 2011- Oct 2011	1	JOB	LS	2,921,059	438,159	15.0	-
	RD1000 PP No5 (EOPC) April 2011- Oct 2011	1	JOB	LS	3,951,254	592,688	15.0	-
	RD1000 PP No 3 (EOPC) April 2011- Oct 2011	1	JOB	LS	3,816,902	572,535	15.0	-
	Riverside PP, Ph1 (EOPC) April 2011- Oct 2011	1	JOB	LS	297,101	44,565	15.0	-
	Riverside PP, Ph2 (EOPC) April 2011- Oct 2011	1	JOB	LS	1,298,444	194,767	15.0	-
	Subtotal, Construction Costs:				\$22,529,936			
	Contingencies @ average of	15.0 % +/- *				\$2,672,710		A
02	RELOCATIONS			TOTAL:		\$25,202,646		
30	PLANNING, ENGINEERING & DESIGN - Relocation	6% of Remaining			1,069,080	160,362	15.0	-
30	SUNK COSTS				101,455			
		FY 2008		3,064				
		FY 2009		26,561				
		FY 2010		71,830				
	Subtotal				\$1,170,535			
	Contingencies @ average of	13.7 % +/- *				\$160,362		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$1,330,897		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation	8% of Remaining			1,425,440	213,816	15.0	-
31	SUNK COSTS				93,121			
		FY 2007		3,554				
		FY 2008		1,975				
		FY 2009		169				
		FY 2010		87,423				
	Subtotal				\$1,518,561			

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON	
						(\$)*	(%)*		
Effective Price Level (EPL): 1-Oct-2010									
	Contingencies @ average of						14.1 % +/- *	\$213,816	A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation							\$1,732,377	
	Reach C								
	FEDERAL								
A01	LANDS AND DAMAGES, Administration								
A011803	GENERAL REVALUATION REPORT (GRR)								
A01180301	Real Estate Supplement/Plan				1,551	200	12.9	-	
A01180302	Gross Appraisal/Report				5,984	900	15.0	-	
A01180303	Prelim Real Estate Acquistn Maps				2,319	300	12.9	-	
A01180304	Physical Takngs Analysis Reports				317	0	0.0	-	
A01180305	Prelim Attys Opinion of Compsnbl				317	0	0.0	-	
A01180307	All Other Real Estate Analy/Docs				5,815	900	15.5	-	
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS								
A01230302	Real Estate Acquisition Documents				73,320	11,000	15.0	-	
A01230305	Real Estate Appraisal Documents				10,340	1,600	15.5	-	
A01230317	Real Estate LERRD Crediting Docs				156,340	23,797	15.2	-	
	Subtotal, Construction Costs:				\$256,303				
	Contingencies @ average of						15.1 % +/- *	\$38,697	A
A01	LANDS AND DAMAGES, Administration							\$295,000	
06	FISH AND WILDLIFE FACILITIES								
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation								
060373	Habitat and Feeding Facilities:								
06037302	Site Work:								
	AECOM, 2010, estimates \$150,000 per acre for mitigation bank	1.50	ACR		150,000	225,000	0	0.0	-
	Subtotal, Construction Costs:					\$225,000			
06	FISH AND WILDLIFE FACILITIES							\$225,000	
06	FISH AND WILDLIFE FACILITIES - Section 104								
06	SUNK COSTS					1,686,000			
	FW Mitigation, Contract 4029 3/31/09-9/28/09			FY 2009	621,350				
	except for Maintenance								
	Maintenance			FY 2010	517,403				
	FW Mitigation, Contract 4055 6 2010 - Sep 30			FY 2009	191,663				
	2010								
	Maintenance			FY 2010	355,584				
	Subtotal, Construction Costs:					\$1,686,000			
06	FISH AND WILDLIFE FACILITIES - Section 104							\$1,686,000	
11	LEVEES AND FLOODWALLS - Section 104								
11	SUNK COSTS					21,377,559			
	Levees, Contract 3980 5/09 -7/10 95% in FY09			FY 2009	1,610,528				
	Levees, Contract 3980 5% in FY10			FY 2010	84,765				
	Levees, Contract 4032 8/15/09 - 9/30/10			FY 2009	2,881,552				
	Levees, Contract 4032 8/15/09 - 9/30/10			FY 2010	2,881,552				
	Levees_2, Contract 4032 5/1/10 - 9/30/10			FY 2010	1,111,865				
	Levees, Borrow Sites, Contract 4032 8/15/09 - 9/30/10			FY 2009	4,498,733				
	Levees, Borrow Sites,			FY 2010	4,498,733				
	Contract 4032 8/15/09 - 9/30/10								
	Levees, Contract 4046 (portion within Reach C)			FY 2010	2,321,806				
	May 2010 Sep 31 2010 FY10 Complete								

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Levees, Borrow Sites, Contract 4046 (for portion FY 2010 supplying borrow to Reach C) May 2010 Sep 31 2010 FY10 Complete				1,488,025			
1101	LEVEES							
	Levees, Airport West Ditch Improvements, EOPC 5/1/11- 9/20/11 Non - Fed							
	Mob/Demob	1	JOB	LS	95,750	14,363	15.0	-
	Storm Water Pollution Control	1	JOB	LS	12,500	1,875	15.0	-
	Protective Barrier Fencing	8,300	LF	5.63	46,688	7,003	15.0	-
	Exclusionary Silt Fencing	500	LF	2.50	1,250	188	15.0	-
	Remove & Dispose, AC Surfacing	8,600	SY	7.50	64,500	9,675	15.0	-
	Remove & Waste Concre Canal Lining at Reservoir Road Canal & Jacob's Slough Drain	1	JOB	LS	12,500	1,875	15.0	-
	Remove & Waste Concrete Drop structure and Appurtenances (Sta 34+15)	1	JOB	LS	37,500	5,625	15.0	-
	Remove & Waste Concrete Weir Structure (Sta 31+45)	1	JOB	LS	6,250	937	15.0	-
	Remove & Waste Culverts Under Airport Fence	1	JOB	LS	7,500	1,125	15.0	-
	Remove & Waste Concrete Slope Protection (9 locations)	1	JOB	LS	11,250	1,688	15.0	-
	Remove & Waste Field Drain Pipe	430	LF	18.75	8,063	1,209	15.0	-
	Remove & Waste 54" CMP Culvert (Sta 27+34)	1	JOB	LS	6,250	937	15.0	-
	Remove & Waste 54" CMP Culvert (Sta 67+76)	1	JOB	LS	6,250	937	15.0	-
	Remove & Waste Irrigation Pump & Pipeline (Sta 68+20)	1	JOB	LS	12,500	1,875	15.0	-
	Remove & Waste Concrete Structures (Sta 77+10)	1	JOB	LS	1,250	188	15.0	-
	Remove & Waste 24" Steel Irrigation Supply Pipe (Sta 93+06)	100	SF	15.00	1,500	225	15.0	-
	Site Stripping	23.70	ACR	3,750	88,875	13,331	15.0	-
	Excavation	26,000	CY	4.38	113,750	17,063	15.0	-
	Canal Embankment	49,000	CY	6.25	306,250	45,938	15.0	-
	Rock Slope Protection - Type 4	1,100	TN	75.00	82,500	12,375	15.0	-
	Rock Slope Protection Bedding Material	600	TN	62.50	37,500	5,625	15.0	-
	Dewatering	1	JOB	LS	12,500	1,875	15.0	-
	Concrete Slope Protection	140	TN	437.50	61,250	9,187	15.0	-
	12-inch CMP	665	LF	56.25	37,406	5,611	15.0	-
	18-inch RCP	32	LF	87.50	2,800	420	15.0	-
	24-inch RCP	32	LF	125	4,000	600	15.0	-
	30-inch RCP	32	LF	231.25	7,400	1,110	15.0	-
	36-inch RCP	64	LF	312.50	20,000	3,000	15.0	-
	48-inch RCP	64	LF	375.00	24,000	3,600	15.0	-
	RCP, 54-inch	32	LF	443.75	14,200	2,130	15.0	-
	RCP - 60-inch	248	LF	537.50	133,300	19,995	15.0	-
	Class 2 Aggregate Base	6,410	TN	31.25	200,313	30,047	15.0	-
	Asphalt Concrete Paving	3,550	TN	150.00	532,500	82,301	15.5	-
	Saw Cutting	100	LF	5.00	500	75	15.0	-
	Seeding - Type 2 Mix	24.60	ACR	5,000	123,000	18,450	15.0	-
	Remove & Replace Airport Signage	1	JOB	LS	1,250	188	15.0	-
	Subtotal, Construction Costs:				\$23,512,354			
	Contingencies @ average of 15.1 % +/- *					\$322,646		
11	LEVEES AND FLOODWALLS - Section 104			TOTAL:		\$23,835,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				805,400			
			FY 2009		163,000			
			FY 2010		642,400			
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				6,490	973	15.0	-
30230101	Survey Markers				4,200	630	15.0	-
30230101	Hydraulics Studies				7,630	1,145	15.0	-
30230101	Hydrology				3,810	572	15.0	-
30230101	Structural Design				1,140	171	15.0	-
30230102	Civil Design Analysis				4,200	630	15.0	-
30230102	Prepare Specs- Front End				1,910	287	15.0	-
30230102	Civil Design Prepare Tec Specs				2,860	429	15.0	-
30230102	Civil Design Prepare Plans				6,680	1,002	15.0	-
30230102	Review P&S(ITR)				2,860	429	15.0	-
30230104	BCOE Review and Certification				1,910	287	15.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230104	Revise P&S				1,910	287	15.0	-
30230105	Geotechnical Studies(Geol and Soils)				7,630	1,145	15.0	-
30230105	Revegetation Plan				8,870	1,331	15.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				2,480	372	15.0	-
30230403	Mitigation Analysis Report				2,290	344	15.0	-
30230404	Fish and Wildlife Coordination Act Report				2,860	429	15.0	-
30230410	NPDES Permit/SPPCP				950	143	15.1	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				3,810	572	15.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				4,770	716	15.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				3,810	572	15.0	-
30230703	Cost Estimates-Contract				3,810	572	15.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				1,910	287	15.0	-
30230801	Other Studies (ECIFP)				760	114	15.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				1,910	287	15.0	-
30230903	Repro				950	143	15.1	-
30230907	Award Contract				380	57	15.0	-
302310	ENGINEERING & DESIGN DURING				7,630	1,145	15.0	-
30231402	Amendments to P&S				1,910	287	15.0	-
3024	VALUE ENGINEERING ANALYSIS				2,480	372	15.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				2,290	344	15.0	-
302501	Local Sponsor Audit				1,910	287	15.0	-
302501	USACE Audit				1,910	287	15.0	-
302501	OMRR&R Manual				3,810	572	15.0	-
3026	PROGRAMS AND PROJECT MGMT				13,360	2,390	17.9	-
	Subtotal					\$933,490		
	Contingencies @ average of		15.3 % +/- *				\$19,610	A
30	PLANNING, ENGINEERING & DESIGN			TOTAL:			\$953,100	
30	PLANNING, ENGINEERING & DESIGN - Section 104		6% of Remaining		128,088	19,231	15.0	-
30	SUNK COSTS				22,565,681			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		613,025				
	SECTION 104	FY 2007		4,087,669				
	SECTION 104	FY 2008		9,490,873				
	SECTION 104	FY 2009		7,095,786				
	SECTION 104	FY 2010		1,278,328				
	Subtotal					\$22,693,769		
	Contingencies @ average of		15.0 % +/- *				\$19,231	A
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:			\$22,713,000	
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104		8% of Remaining		170,784	25,618	15.0	-
31	SUNK COSTS				4,195,598			
	SECTION 104	FY 2007		20,441				
	SECTION 104	FY 2008		160,500				
	SECTION 104	FY 2009		1,307,370				
	SECTION 104	FY 2010		2,707,287				
	Subtotal					\$4,366,382		
	Contingencies @ average of		15.0 % +/- *				\$25,618	A
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			TOTAL:			\$4,392,000	
NON-FEDERAL								
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				112,800	5,600	5.0	-
01230302	Real Estate Acquisition Documents				907,100	136,100	15.0	-
01230303	Real Estate Condemnation Documents				1,036,350	51,800	5.0	-
01230305	Real Estate Appraisal Documents				141,000	21,200	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				20,000	3,000	15.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
01230307	Real Estate Rts of Entry/TempPermt				105,750	5,300	5.0	-
01230315	Real Estate Payment Documents				9,430,076	4,202,924	44.6	-
	Subtotal, Construction Costs:				\$11,753,076			
	Contingencies @ average of	37.7 % +/- *				\$4,425,924		A
01	LANDS AND DAMAGES			TOTAL:		\$16,179,000		
02	RELOCATIONS							
02	SUNK COSTS				3,234,249			
	Relocations, Roadways, Contract 3980 5/09 - 7/10 95% in FY09				603,475			
	Relocations, Roadways, Contract 3980 5/09 - 7/10 5% in FY10				31,762			
	Relocations, Roadways, Contract 4032 8/15/09 9/30/10 20% for FY09				128,510			
	Relocations, Roadways, Contract 4032 8/15/09 - 9/30/10 80% for FY10				514,041			
	Relocations, Roadways, Contract 4046 (portion within Reach C) May 2010 Sep 31 2010 FY10 Complete				318,195			
	Relocations, Private Irr Fac, Contract 3980 in FY09				262,063			
	Relocations, Private Irr Fac, Contract 3980 5% in FY10				13,793			
	Relocations, Private Irr Fac, Contract 4032 8/15/09 - 9/30/10 20% for FY09				166,565			
	Relocations, Private Irr Fac, Contract 4032 8/15/09 - 9/30/10 80% for FY10				666,259			
	Relocations, Private River Diversion Replacement, Contract 4053 5/1/10-9/30/10				529,586			
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
	Relocations, RD1000 PP No 2, EOPC 4/1/12-9/30/12 Fed							
	Mob/Demob	1	JOB	LS	489,738	97,948	20.0	-
	Storm Water Pollution Control	1	JOB	LS	93,750	18,750	20.0	-
	Exclusionary Silt Fencing	1,800	LF	2.50	4,500	900	20.0	-
	Protective Barrier Fencing	500	LF	5.63	2,813	563	20.0	-
	Demolition	1	JOB	LS	62,500	12,500	20.0	-
	Salvage & Reinstall P-6 Drain Pump	1	JOB	LS	70,000	14,000	20.0	-
	Clearing & Grubbing	6	ACR	3,125	18,750	3,750	20.0	-
	Stripping	6	ACR	3,750	22,500	4,500	20.0	-
	Dewatering	1	JOB	LS	562,500	112,500	20.0	-
	Excavation	28,210	CY	18.75	528,938	105,788	20.0	-
	Bedding Material	500	TN	62.50	31,250	6,250	20.0	-
	Drain Rock	2,200	TN	43.75	96,250	19,250	20.0	-
	Embankment	12,090	CY	15.00	181,350	36,270	20.0	-
	Random Fill	2,820	CY	3.13	8,813	1,763	20.0	-
	Structural Fill	550	CY	37.50	20,625	4,125	20.0	-
	Metal Sheet Piling	200	VLF	1,625	325,000	65,000	20.0	-
	Rock Slope Protection - Type 1	1,350	TN	75	101,250	20,250	20.0	-
	Rock Slope Protection - Type 2	6,465	TN	75	484,875	96,975	20.0	-
	Geotextile	750	SY	3.75	2,813	563	20.0	-
	Geogrid	2,370	SY	10.00	23,700	4,740	20.0	-
	Welded Steel Pipe, 18-inch	115	LF	187.50	21,563	4,313	20.0	-
	42-IN Flexible Expansion Joint	1	EA	81,250	81,250	16,250	20.0	-
	30-IN Flexible Expansion Joint	2	EA	53,750	107,500	21,500	20.0	-
	Welded Steel Pipe, 30-inch	1,420	LF	375	532,500	106,500	20.0	-
	Welded Steel Pipe, 42-inch	710	LF	500	355,000	71,000	20.0	-
	Welded Steel Pipe, 36-inch	250	LF	437.50	109,375	21,875	20.0	-
	Butterfly Valve with Riser, 42-inch	1	EA	20,625	20,625	4,125	20.0	-
	Butterfly Valve with Riser, 30-inch	2	EA	16,250	32,500	6,500	20.0	-
	Water Well	1	JOB	LS	75,000	15,000	20.0	-
	RCP, 18-inch	71	LF	87.50	6,213	1,243	20.0	-
	RCP, 42-inch	64	LF	140	8,960	1,792	20.0	-
	RCP, 48-inch	206	LF	412.50	84,975	16,995	20.0	-
	Precast Box Culvert (GGS)	35	LF	625	21,875	4,375	20.0	-
	Class 2 Aggregate Base	8,920	TN	31.25	278,750	55,750	20.0	-
	4-IN Removable Bollard	15	EA	625	9,375	1,875	20.0	-
	6" Chainlink Fence	525	LF	62.50	32,813	6,563	20.0	-
	6" Permanent Bollard	9	EA	625	5,625	1,125	20.0	-
	Pipe Gate	1	EA	3,750	3,750	750	20.0	-
	16' Double Swing Gate	1	EA	3,750	3,750	750	20.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Header Board	541	LF	7.50	4,058	812	20.0	-
	Treepot4 Container Planting	10	EA	25	250	50	20.0	-
	Treeland Container Planting	167	EA	25	4,175	835	20.0	-
	Cutting	76	EA	27.50	2,090	418	20.0	-
	Willow Wattle	150	LF	15	2,250	450	20.0	-
	Seeding - Type 1 Mix	0.50	ACR	4,125	2,063	413	20.0	-
	Seeding - Type 2 Mix	7.50	ACR	5,000	37,500	7,500	20.0	-
	Mulching	14	CY	93.75	1,313	263	20.0	-
	Watering Application	280	EA	250	70,000	14,000	20.0	-
	Weeding - Mowing	25	EA	1,562.50	39,063	7,813	20.0	-
	Weeding - Herbicide	25	EA	1,250	31,250	6,250	20.0	-
	Weeding - Handpull	27	EA	625	16,875	3,375	20.0	-
	Mulching (Shredded Cedar Bark)	3	EA	1,250	3,750	750	20.0	-
	Pruning	3	EA	2,500	7,500	1,500	20.0	-
	Cast-in-Place Concrete	1,928	CY	1,250	2,410,000	482,000	20.0	-
	Control Building	1	JOB	LS	143,750	28,750	20.0	-
	Stoplogs	1	EA	139,375	139,375	27,875	20.0	-
	RD1000 Pump & Motor No 2 (250 HP)	2	EA	156,250	312,500	62,500	20.0	-
	RD1000 Pump & Motor No 1 (500 HP)	1	EA	218,750	218,750	43,750	20.0	-
	Siphon-Air Release Valve in Vault	3	EA	9,375	28,125	5,625	20.0	-
	18" Flap Gate	2	EA	4,375	8,750	1,750	20.0	-
	36" Flap Gate	1	EA	7,500	7,500	1,500	20.0	-
	30" Flap Gate	2	EA	6,250	12,500	2,500	20.0	-
	42" Flap Gate	1	EA	8,750	8,750	1,750	20.0	-
	18-IN Gate Valve	1	EA	3,125	3,125	625	20.0	-
	Butterfly Valve with Riser, 30-inch	2	EA	6,875	13,750	2,750	20.0	-
	Butterfly Valve with Riser, 42-inch	1	EA	20,625	20,625	4,125	20.0	-
	Elkhorn Overflow Outfall	1	JOB	LS	5,000	1,000	20.0	-
	Flow Meter Vault	1	JOB	LS	43,750	8,750	20.0	-
	Plant 2 Intake	1	JOB	LS	12,500	2,500	20.0	-
	Plant 2 Outfall	1	JOB	LS	62,500	12,500	20.0	-
	Plant 2 Sump	1	JOB	LS	62,500	12,500	20.0	-
	Positive Closure Vault	1	JOB	LS	41,406	8,281	20.0	-
	Trashrakes	2	EA	206,250	412,500	82,500	20.0	-
	Equipment Cathodic Protection	1	JOB	LS	25,000	5,000	20.0	-
	Ppiping Cathodic Protection	2,202	LF	62.50	137,625	27,525	20.0	-
	Flow Meter	1	EA	52,500	52,500	10,500	20.0	-
	RD1000 Electrical	1	JOB	LS	450,000	90,000	20.0	-
	NMWC Electrical	1	JOB	LS	456,250	91,250	20.0	-
	Relocations, Prichard PP, EOPC 4/1/12-9/30/12							
	Fed							
	Mob/Demob	1	JOB	LS	208,318	41,664	20.0	-
	Protective Barrier Fencing	150	LF	5.63	844	169	20.0	-
	Exclusionary Silt Fencing	150	LF	2.50	375	75	20.0	-
	Saw Cutting	38	LF	5.00	190	38	20.0	-
	Clearing & Grubbing	1.25	ACR	3,125	3,906	781	20.0	-
	Prichard Pumping Plant Partial Demolition	1	JOB	LS	125,000	25,000	20.0	-
	Stripping	0.35	ACR	3,750	1,313	263	20.0	-
	Roadway Excavation	48	CY	62.50	3,000	600	20.0	-
	Excavation	14,250	CY	18.75	267,188	53,438	20.0	-
	Structural Fill	9,050	CY	15.28	138,239	27,648	20.0	-
	Random Fill	5,500	CY	15.28	84,013	16,803	20.0	-
	Geogrid	550	SY	12.50	6,875	1,375	20.0	-
	Pile Jackets	1,500	VLF	125	187,500	37,500	20.0	-
	Timber Pile	375	VLF	150	56,250	11,250	20.0	-
	Butterfly Valve with Riser, 36-inch	2	EA	18,125	36,250	7,250	20.0	-
	Butterfly Valve with Riser, 30-inch	1	EA	16,250	16,250	3,250	20.0	-
	Siphon-Air Release Valve in Vault	3	EA	5,625	16,875	3,375	20.0	-
	Prichard Pumping Plant Structure	1	JOB	LS	375,000	75,000	20.0	-
	Prichard Flow Meter Vault	1	JOB	LS	43,750	8,750	20.0	-
	Prichard Positive Closure Vault	1	JOB	LS	43,750	8,750	20.0	-
	Temporary Pumping at Prichard Pumping Plant	1	JOB	LS	958,750	191,750	20.0	-
	Class 2 Aggregate Base	412	TN	31.25	12,875	2,575	20.0	-
	Asphalt Concrete Paving	62.50	TN	150	9,375	1,875	20.0	-
	Seeding - Type 1 Mix	0.50	ACR	4,125	2,063	413	20.0	-
	Seeding - Type 2 Mix	0.60	ACR	5,000	3,000	600	20.0	-
	Cast-In-Place Concrete	210	CY	937.50	196,875	39,375	20.0	-
	Bollards	11	EA	625	6,875	1,375	20.0	-
	Removable Bollards	2	EA	625	1,250	250	20.0	-
	Welded Steel Pipe, 36-inch	920	LF	462.50	425,500	85,100	20.0	-
	Welded Steel Pipe, 30-inch	457	LF	406.25	185,656	37,131	20.0	-
	Pritchard North & Middle Pump	2	EA	227,500	455,000	91,000	20.0	-
	Pritchard South Pump	1	EA	158,750	158,750	31,750	20.0	-
	Electromagnetic Flow Meter, 36-inch	2	EA	28,937.50	57,875	11,575	20.0	-
	Electromagnetic Flow Meter, 30-inch	1	EA	23,437.50	23,438	4,688	20.0	-
	Raceway - Prichard Pumping Plant	1	JOB	LS	56,250	11,250	20.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Low Voltage Wire & Cable - Prichard Pumping Plant	1	JOB	LS	31,250	6,250	20.0	-
	Misc Electrical Work - Prichard Pumping Plant	1	JOB	LS	18,750	3,750	20.0	-
	Grounding System - Prichard Pumping Plant	1	JOB	LS	6,250	1,250	20.0	-
	Motor Control Center - Prichard Pumping Plant	1	JOB	LS	150,000	30,000	20.0	-
	Levee Improvements for delayed PP relocations, EOPC							
	Mob/Demob	1	JOB	LS	125,000	56,250	45.0	-
	Storm Water Pollution Control	9	ACR	5,000.00	45,000	20,250	45.0	-
	Traffic Control	1	JOB	LS	12,500	5,625	45.0	-
	Clearing & Grubbing	9	ACR	3,125.00	28,125	12,656	45.0	-
	Levee Stripping	9	ACR	6,250.00	56,250	25,313	45.0	-
	Borrow Site Surface Layer Removal, Stockpile & Respread	10.42	ACR	6,875.00	71,638	32,237	45.0	-
	Borrow Site Excavation	84,015	CY	6.25	525,094	236,292	45.0	-
	Levee Embankment Degrade	22,553	CY	5.00	112,765	50,744	45.0	-
	Canal Cut	9,994	CY	5.00	49,970	22,487	45.0	-
	Embankment Fill	110,052	CY	3.75	412,695	185,713	45.0	-
	Cutoff Wall	82,200	SF	8.13	668,286	300,559	45.0	-
	Revegetation	8	ACR	2,812.50	22,500	10,125	45.0	-
	Cutoff Wall - reduced	(60,000)	SF	8.13	(487,800)	(219,510)	45.0	-
	Subtotal, Construction Costs:				\$19,485,422			
	Contingencies @ average of	22.5 % +/- *				\$3,660,578		A
02	RELOCATIONS					\$23,146,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				1,950,140	439,252	22.5	-
30	SUNK COSTS				4,011,608			
		FY 2006			211,258			
		FY 2007			697,430			
		FY 2008			1,099,862			
		FY 2009			1,254,613			
		FY 2010			748,445			
	Subtotal				\$5,961,748			
	Contingencies @ average of	7.4 % +/- *				\$439,252		A
30	PLANNING, ENGINEERING & DESIGN - Relocation					\$6,401,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				1,300,090	292,480	22.5	-
31	SUNK COSTS				509,430			
		FY 2009			22,367			
		FY 2010			487,063			
	Subtotal				\$1,809,520			
	Contingencies @ average of	16.2 % +/- *				\$292,480		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation					\$2,102,000		
Reach D								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				657	100	15.2	-
A01180302	Gross Appraisal/Report				2,535	400	15.8	-
A01180303	Prelim Real Estate Acquistn Maps				984	100	10.2	-
A01180304	Physical Takngs Analysis Reports				134	0	0.0	-
A01180305	Prelim Attys Opinion of Compsnbl				134	0	0.0	-
A01180307	All Other Real Estate Analy/Docs				5,345	800	15.0	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				21,840	3,300	15.1	-
A01230305	Real Estate Appraisal Documents				3,080	500	16.2	-
A01230317	Real Estate LERRD Crediting Docs				50,080	8,011	16.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Subtotal, Construction Costs:				\$84,789			
	Contingencies @ average of	15.6 % +/- *				\$13,211		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$98,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
	State Route 99 Closure Structure							
L10%	Mobilization and Demobilization	1	JOB	LS	14,749	6,637	45.0	-
U20%	Traffic Control	1	LS	147,489	147,489	62,924	42.7	-
	Flashboard Structure	190	LF	292.53	55,581	25,011	45.0	-
	Signage	1	EA	1,799	1,799	810	45.0	-
	Subtotal, Construction Costs:				\$219,618			
	Contingencies @ average of	43.4 % +/- *				\$95,382		
11	LEVEES AND FLOODWALLS			TOTAL:		\$315,000		
11	LEVEES AND FLOODWALLS - Section 104							
11	SUNK COSTS				39,303,000			
	Levees, C4006	FY 2009		3,528,859				
	Levees, C3947	FY 2009		14,271,715				
	Levees, C3980	FY 2009		13,316,846				
	Levees, Borrow Sites, C3980	FY 2009		5,919,078				
	Levees, C4046	FY 2009		2,266,502				
	Subtotal, Construction Costs:				\$39,303,000			
11	LEVEES AND FLOODWALLS - Section 104			TOTAL:		\$39,303,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				885,900			
		FY 2009		179,300				
		FY 2010		706,600				
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				2,220	999	45.0	-
30230101	Survey Markers				1,440	648	45.0	-
30230101	Hydraulics Studies				2,620	1,179	45.0	-
30230101	Hydrology				1,310	590	45.0	-
30230101	Structural Design				390	176	45.1	-
30230102	Civil Design Analysis				1,440	648	45.0	-
30230102	Prepare Specs- Front End				650	293	45.1	-
30230102	Civil Design Prepare Tec Specs				980	441	45.0	-
30230102	Civil Design Prepare Plans				2,290	1,031	45.0	-
30230102	Review P&S(ITR)				980	441	45.0	-
30230104	BCOE Review and Certification				650	293	45.1	-
30230104	Revise P&S				650	293	45.1	-
30230105	Geotechnical Studies(Geol and Soils)				2,620	1,179	45.0	-
30230105	Revegetation Plan				3,040	1,368	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				850	383	45.1	-
30230403	Mitigation Analysis Report				780	351	45.0	-
30230404	Fish and Wildlife Coordination Act Report				980	441	45.0	-
30230410	NPDES Permit/SPPCP				330	149	45.2	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				1,310	590	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				1,640	738	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				1,310	590	45.0	-
30230703	Cost Estimates-Contract				1,310	590	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				650	293	45.1	-
30230801	Other Studies (ECIFP)				260	117	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				650	293	45.1	-
30230903	Repro				330	149	45.2	-
30230907	Award Contract				130	59	45.4	-
302310	ENGINEERING & DESIGN DURING				2,620	1,179	45.0	-
30231402	Amendments to P&S				650	293	45.1	-
3024	VALUE ENGINEERING ANALYSIS				850	383	45.1	-
3025	CLOSE OUT							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
302501	Physical Closeout Documents				780	351	45.0	-
302501	Local Sponsor Audit				650	293	45.1	-
302501	USACE Audit				650	293	45.1	-
302501	OMRR&R Manual				1,310	590	45.0	-
3026	PROGRAMS AND PROJECT MGMT				4,580	1,996	43.6	-
	Subtotal				\$929,800			
	Contingencies @ average of	44.9 % +/- *				\$19,700		A
30	PLANNING, ENGINEERING & DESIGN			TOTAL:		\$949,500		
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS				8,747,000			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		839,205				
	SECTION 104	FY 2007		1,604,108				
	SECTION 104	FY 2008		2,457,465				
	SECTION 104	FY 2009		3,359,641				
	SECTION 104	FY 2010		486,581				
	Subtotal				\$8,747,000			
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:		\$8,747,000		
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				8,780	3,723	42.4	-
31231102	Area Office S&A Documents				2,750	1,238	45.0	-
31231103	District Office S&A Documents				550	248	45.1	-
31231103	Contract Mods & Negotiations				330	149	45.2	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				6,060	2,727	45.0	-
312602	Funds Control Documents				1,100	495	45.0	-
312603	Trip Reports				550	248	45.1	-
312604	Upward reporting Documents				330	149	45.2	-
312605	Budgetary Documents				440	198	45.0	-
312606	Project Authorization Documents				550	248	45.1	-
312607	Annual Notification Ltr				270	122	45.2	-
312608	Fact Sheets				1,640	738	45.0	-
312609	Correspondance(Congress/State)				550	248	45.1	-
312610	Schedule and Cost Changes				660	297	45.0	-
312611	Project Work Directives				330	149	45.2	-
312612	Project Closeout Coord Documents				330	149	45.2	-
312613	Quarterly Cost Rpt to Local Sponsor				550	248	45.1	-
312614	All Other Programs/PM Documents				330	149	45.2	-
312615	Mitigation Construction				260	117	45.0	-
	Subtotal				\$26,360			
	Contingencies @ average of	44.2 % +/- *				\$11,640		A
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:		\$38,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104							
31	SUNK COSTS				5,556,000			
	SECTION 104	FY 2007		384,279				
	SECTION 104	FY 2008		1,373,654				
	SECTION 104	FY 2009		2,797,057				
	SECTION 104	FY 2010		1,001,010				
	Subtotal				\$5,556,000			
31	CONSTRUCTION MANAGEMENT (S & I) - Section 104			TOTAL:		\$5,556,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				33,600	3,400	10.1	-
01230302	Real Estate Acquisition Documents				270,200	27,000	10.0	-
01230303	Real Estate Condemnation Documents				308,700	30,900	10.0	-
01230305	Real Estate Appraisal Documents				42,000	4,200	10.0	-
01230306	Real Estate PL 91-646 Asst. Doc				15,000	1,500	10.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
01230307	Real Estate Rts of Entry/TempPermt				31,500	3,200	10.2	-
01230315	Real Estate Payment Documents				4,173,458	2,465,342	59.1	-
	Subtotal, Construction Costs:				\$4,874,458			
	Contingencies @ average of	52.0 % +/- *				\$2,535,542		A
01	LANDS AND DAMAGES							TOTAL: \$7,410,000
02	RELOCATIONS							
02	SUNK COSTS				2,822,961			
	Bridge Relocation, C4006 FY 10	FY 2009		220,000				
	Road Relocations, C3947	FY 2009		777,700				
	Road Relocations, C3980	FY 2009		562,461				
	Utility Relocations, C3980	FY 2009		1,262,800				
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020318	Utilities							
02031815	Mechanical							
	Relocations, Bennett & Northern Pump Stations, EOPC							
	Mob/Demob	1	JOB	LS	175,000	78,750	45.0	-
	Storm Water Pollution Control	9	ACR	5,000	45,000	20,250	45.0	-
	Traffic Control	1	JOB	LS	12,500	5,625	45.0	-
	Clearing & Grubbing	9	ACR	3,125	28,125	12,656	45.0	-
	Levee Stripping	9	ACR	6,250	56,250	25,313	45.0	-
	Borrow Site Surface Layer Removal, Stockpile & Respread	10.42	ACR	6,875	71,638	32,237	45.0	-
	Borrow Site Excavation	84,015	CY	6.25	525,094	236,292	45.0	-
	Levee Embankment Degrade	22,553	CY	5.00	112,765	50,744	45.0	-
	Canal Cut	9,994	CY	5.00	49,970	22,487	45.0	-
	Embankment Fill	110,052	CY	3.75	412,695	185,713	45.0	-
	Cutoff Wall	82,200	SF	8.13	668,286	300,729	45.0	-
	30" Steel Flap Gate	2	EA	10,000	20,000	9,000	45.0	-
	36" Steel Flap Gate	2	EA	13,750	27,500	12,375	45.0	-
	42" Steel Flap Gate	2	EA	16,250	32,500	14,625	45.0	-
	48" Steel Flap Gate	1	EA	20,000	20,000	9,000	45.0	-
	30" Welded Steel Pipe	751	LF	375	281,625	126,731	45.0	-
	36" Welded Steel Pipe	246	LF	437.50	107,625	48,431	45.0	-
	42" Welded Steel Pipe	497	LF	525	260,925	117,416	45.0	-
	48" Welded Steel Pipe	248	LF	625	155,000	69,750	45.0	-
	24" RCP CLIII	33	LF	93.75	3,094	1,392	45.0	-
	36" RCP CLIII	79	LF	137.50	10,863	4,888	45.0	-
	48" RCP CLIII	194	LF	187.50	36,375	16,369	45.0	-
	84" Manhole	1	EA	18,750	18,750	8,438	45.0	-
	24" Flared End Section	1	EA	1,875	1,875	844	45.0	-
	30" Gate Valve with CMP Riser	3	EA	18,750	56,250	25,313	45.0	-
	36" Gate Valve with CMP Riser	1	EA	22,500	22,500	10,125	45.0	-
	42" Gate Valve with CMP Riser	2	EA	30,000	60,000	27,000	45.0	-
	48" Gate Valve with CMP Riser	1	EA	37,500	37,500	16,875	45.0	-
	12" Siphon Breaker with CMP Riser	6	EA	22,500	135,000	60,750	45.0	-
	Pipe Inlet Structure	5	EA	6,250	31,250	14,063	45.0	-
	24" RCP Pipe Slide Gate	1	EA	10,000	10,000	4,500	45.0	-
	36" RCP Pipe Slide Gate	1	EA	12,500	12,500	5,625	45.0	-
	48" RCP Pipe Slide Gate	2	EA	18,750	37,500	16,875	45.0	-
	Remove & Dispose Existing WSP (various sizes)	1,051	LF	37.50	39,413	17,736	45.0	-
	Remove & Dispose Existing Drain Pipe (various sizes)	335	LF	25	8,375	3,769	45.0	-
	Remove & Dispose of Existing Headwall/Concrete Structure	1	JOB	LS	18,750	8,438	45.0	-
	Revegetation	9	ACR	2,812.50	25,313	11,391	45.0	-
	Cutoff Wall - reduced	(60,000)	SF\	8.13	(487,800)	0	0.0	-
	Mobilization/Demobilization @ 5%	1	JOB	LS	42,000	18,900	45.0	-
	Pumps and Motors	3	EA	162,000	486,000	218,700	45.0	-
	Electrical control equipment	1	JOB	LS	195,000	87,750	45.0	-
	Repair platform structural components	1	JOB	LS	150,000	67,500	45.0	-
	Install security fencing	100	LF	45	4,500	2,025	45.0	-
	Mobilization/Demobilization @ 5%	1	JOB	LS	61,000	27,450	45.0	-
	Pumps and Motors	5	EA	162,000	810,000	364,500	45.0	-
	Electrical control equipment	1	JOB	LS	205,000	92,250	45.0	-
	Repair platform structural components	1	JOB	LS	200,000	90,000	45.0	-
	Install security fencing	120	LF	45	5,400	2,430	45.0	-
	Relocations, RD1000 PP No 4, EOPC Corp 5/1/14-9/30/14							
	Mob/Demob	1	JOB	LS	80,453	36,204	45.0	-
	Excavate-Fill for new building footing	72	CY	18.75	1,350	608	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Remove & salvage existing steel building	750	SF	68.75	51,563	23,203	45.0	-
	Remove & salvage existing pumps	3	EA	937.50	2,813	1,266	45.0	-
	Install RD1000 drainage pumps & motors (3)	3	EA	302,875	908,625	409,210	45.0	-
	Footings	60	CY	1,875	112,500	50,625	45.0	-
	Install raised floor grating	750	SF	106.25	79,688	35,860	45.0	-
	Install new beams-east side	2	EA	6,875	13,750	6,188	45.0	-
	Construct new CMU walled building	750	SF	125	93,750	42,188	45.0	-
	Install New electric equipment	1	JOB	LS	275,438	123,947	45.0	-
	Install 2400V Transformer	1	JOB	LS	68,750	30,938	45.0	-
	3/4" Gravel	165	CY	5.00	825	371	45.0	-
	Subtotal, Construction Costs:				\$9,811,372			
	Contingencies @ average of	48.1 % +/- *				\$3,364,628		A
02	RELOCATIONS			TOTAL:		\$13,176,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				838,610	404,064	48.2	-
30	SUNK COSTS				338,326			
		FY 2009		189,890				
		FY 2010		148,436				
	Subtotal				\$1,176,936			
	Contingencies @ average of	34.3 % +/- *				\$404,064		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$1,581,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				559,070	269,590	48.2	-
31	SUNK COSTS				2,340			
		FY 2009		2,340				
	Subtotal				\$561,410			
	Contingencies @ average of	48.0 % +/- *				\$269,590		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$831,000		
Reach E								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				2,445	400	16.4	-
A01180302	Gross Appraisal/Report				9,432	1,400	14.8	-
A01180303	Prelim Real Estate Acquistn Maps				3,656	500	13.7	-
A01180304	Physical Takngs Analysis Reports				499	100	20.0	-
A01180305	Prelim Atty's Opinion of Compsnbl				499	100	20.0	-
A01180306	Rights of Entry				1,260	200	15.9	-
A01180307	All Other Real Estate Analy/Docs				1,285	200	15.6	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				99,840	15,000	15.0	-
A01230305	Real Estate Appraisal Documents				14,080	2,100	14.9	-
A01230307	Real Estate Rts of Entry/TempPermt				6,720	300	4.5	-
A01230317	Real Estate LERRD Crediting Docs				206,080	30,904	15.0	-
	Subtotal, Construction Costs:				\$345,796			
	Contingencies @ average of	14.8 % +/- *				\$51,204		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$397,000		
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							
	Mobilization/Demobilization	1	JOB	LS	88,000	39,600	45.0	-
	Demolition	1	JOB	LS	10,000	4,500	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Clearing and Grubbing	13.50	ACR	2,500	33,750	15,188	45.0	-
	Stripping	13.50	ACR	3,000	40,500	18,225	45.0	-
	Canal Embankment	29,600	CY	5.00	148,000	66,600	45.0	-
	Excavation	31,900	CY	4.00	127,600	57,420	45.0	-
	6" Class 2 Aggregate Base	1,700	TN	25.00	42,500	19,125	45.0	-
	24-inch Reinforced Concrete Pipe	95	LF	100	9,500	4,275	45.0	-
	48-inch Reinforced Concrete Pipe	275	LF	300	82,500	37,125	45.0	-
	Field Irrigation Turnout	2	EA	6,500	13,000	5,850	45.0	-
	Exclusionary Fencing	8,700	LF	4.50	39,150	17,618	45.0	-
	Erosion Control Seeding	3.90	ACR	4,000	15,600	7,020	45.0	-
	Native Seeding	8.50	ACR	4,000	34,000	15,300	45.0	-
	Replace Chappell #1 Pumps (110 hp, 103 cfs)	1	JOB	LS	715,000	321,750	45.0	-
	Replace Chappell #2 Pumps (70 hp, 84 cfs)	1	JOB	LS	45,000	20,250	45.0	-
	Borrow Area Grading for Mitigation	432,300	CY	6.81	2,943,963	1,325,091	45.0	-
	Subtotal, Construction Costs:				\$4,388,063			
	Contingencies @ average of	45.0 % +/- *				\$1,974,937		A
06	FISH AND WILDLIFE FACILITIES			TOTAL:		\$6,363,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	270,475	121,714	45.0	-
110103	Care & Diversion of Water:							
11010302	Site Work: SWPPP	126.70	ACR	9,746	1,234,818	555,668	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Clearing	62.20	ACR	2,873	178,701	80,415	45.0	-
	Levee Stripping	74,697	CY	2.56	191,224	86,051	45.0	-
	Levee Degradation	137,542	CY	3.67	504,779	227,151	45.0	-
	Borrow Site Surface Layer Removal	104,060	CY	16.10	1,675,366	753,915	45.0	-
	Borrow site	64.50	ACR	22,056	1,422,612	640,175	45.0	-
	Grading, Import & Place	503,814	CY	12.86	6,479,048	2,915,572	45.0	-
	Place 6" Aggregate Base	9,325	TN	60.73	566,307	254,838	45.0	-
	Import & Place Quarry Stone	52,943	TN	51.00	2,700,093	1,215,042	45.0	-
	Vinyl Sheet Pile	347,800	SF	8.41	2,924,998	1,316,249	45.0	-
	Mob, Demob & Prep Work, Slurry Wall	1	JOB	LS	506,771	228,047	45.0	-
	Soil Bentonite	801,119	SF	12.09	9,685,529	4,358,327	45.0	-
	Export unsuitable soils	21,979	CY	11.21	246,385	110,873	45.0	-
	Seeding	45.00	ACR	4,289	193,005	86,852	45.0	-
	Subtotal, Construction Costs:				\$28,780,111			
	Contingencies @ average of	45.0 % +/- *				\$12,950,889		
11	LEVEES AND FLOODWALLS			TOTAL:		\$41,731,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				531,600			
		FY 2009		107,600				
		FY 2010		424,000				
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				201,530	90,689	45.0	-
30230101	Survey Markers				130,390	58,676	45.0	-
30230101	Hydraulics Studies				237,090	106,691	45.0	-
30230101	Hydrology				118,530	53,339	45.0	-
30230101	Structural Design				35,560	16,002	45.0	-
30230102	Civil Design Analysis				130,390	58,676	45.0	-
30230102	Prepare Specs- Front End				59,260	26,667	45.0	-
30230102	Civil Design Prepare Tec Specs				88,910	40,010	45.0	-
30230102	Civil Design Prepare Plans				207,450	93,353	45.0	-
30230102	Review P&S(ITR)				88,910	40,010	45.0	-
30230104	BCOE Review and Certification				59,260	26,667	45.0	-
30230104	Revise P&S				59,260	26,667	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				237,090	106,691	45.0	-
30230105	Revegetation Plan				275,620	124,029	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				77,050	34,673	45.0	-
30230403	Mitigation Analysis Report				71,130	32,009	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230404	Fish and Wildlife Coordination Act Report				88,910	40,010	45.0	-
30230410	NPDES Permit/SPPCP				29,640	13,338	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				118,530	53,339	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				148,180	66,681	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				118,530	53,339	45.0	-
30230703	Cost Estimates-Contract				118,530	53,339	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				59,260	26,667	45.0	-
30230801	Other Studies (ECIFP)				23,710	10,670	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				59,260	26,667	45.0	-
30230903	Repro				29,640	13,338	45.0	-
30230907	Award Contract				11,850	5,333	45.0	-
302310	ENGINEERING & DESIGN DURING				237,090	106,691	45.0	-
30231402	Amendments to P&S				59,260	26,667	45.0	-
3024	VALUE ENGINEERING ANALYSIS				77,050	34,673	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				71,130	32,009	45.0	-
302501	Local Sponsor Audit				59,260	26,667	45.0	-
302501	USACE Audit				59,260	26,667	45.0	-
302501	OMRR&R Manual				118,530	53,339	45.0	-
3026	PROGRAMS AND PROJECT MGMT				415,050	186,817	45.0	-
	Subtotal					\$4,511,700		
	Contingencies @ average of		45.0 % +/- *				\$1,791,100	A
30	PLANNING, ENGINEERING & DESIGN				TOTAL:		\$6,302,800	
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS					3,681,000		
	SECTION 104	FY 2007		192,788				
	SECTION 104	FY 2008		1,470,735				
	SECTION 104	FY 2009		1,294,064				
	SECTION 104	FY 2010		723,413				
	Subtotal					\$3,681,000		
30	PLANNING, ENGINEERING & DESIGN - Section 104				TOTAL:		\$3,681,000	
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				884,480	398,390	45.0	-
31231102	Area Office S&A Documents				276,490	124,421	45.0	-
31231103	District Office S&A Documents				55,190	24,836	45.0	-
31231103	Contract Mods & Negotiations				33,170	14,927	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				610,290	274,631	45.0	-
312602	Funds Control Documents				110,650	49,793	45.0	-
312603	Trip Reports				55,190	24,836	45.0	-
312604	Upward reporting Documents				33,170	14,927	45.0	-
312605	Budgetary Documents				44,310	19,940	45.0	-
312606	Project Authorization Documents				55,190	24,836	45.0	-
312607	Annual Notification Ltr				27,600	12,420	45.0	-
312608	Fact Sheets				165,040	74,268	45.0	-
312609	Correspondance(Congress/State)				55,190	24,836	45.0	-
312610	Schedule and Cost Changes				66,340	29,853	45.0	-
312611	Project Work Directives				33,170	14,927	45.0	-
312612	Project Closeout Coord Documents				33,170	14,927	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				55,190	24,836	45.0	-
312614	All Other Programs/PM Documents				33,170	14,927	45.0	-
312615	Mitigation Construction				26,530	11,939	45.0	-
	Subtotal					\$2,653,530		
	Contingencies @ average of		45.0 % +/- *				\$1,194,470	A
31	CONSTRUCTION MANAGEMENT (S & I)				TOTAL:		\$3,848,000	
	NON-FEDERAL							
01	LANDS AND DAMAGES							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				153,600	15,400	10.0	-
01230302	Real Estate Acquisition Documents				1,235,200	123,500	10.0	-
01230303	Real Estate Condemnation Documents				1,411,200	141,100	10.0	-
01230305	Real Estate Appraisal Documents				192,000	19,200	10.0	-
01230307	Real Estate Rts of Entry/TempPermt				144,000	14,400	10.0	-
01230315	Real Estate Payment Documents				22,730,260	8,265,140	36.4	-
01230315	Real Estate Payment Documents Land Acquisition (9 AC @ 27,000/AC): MITIGATION				243,000	85,050	35.0	-
	Subtotal, Construction Costs:				\$26,109,260			
	Contingencies @ average of		32.9 % +/- *			\$8,578,740		A
01	LANDS AND DAMAGES			TOTAL:		\$34,688,000		
02	RELOCATIONS							
0201	ROADS, Construction Activities							
020101	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	313,426	141,042	45.0	-
020139	Road Surfacing							
02013902	Site Work: Access road at berm adjacent to canal relocations Strip grass & place in non-structural locations	1,083	CY	24.62	26,663	11,998	45.0	-
	Process original grade	117,000	SF	0.12	14,040	6,318	45.0	-
	Cut to fill	10,140	CY	13.91	141,047	63,471	45.0	-
	Finish grade building pad	117,000	SF	0.48	56,160	25,272	45.0	-
	Howsley Road							
	Demo AC to new setback	18,000	SF	0.80	14,400	6,480	45.0	-
	Strip grass & place in non-structural locations	25,000	SF	0.45	11,250	5,063	45.0	-
	Process original grade	43,000	SF	0.33	14,190	6,386	45.0	-
	Import fill material & Place	22,222	CY	11.87	263,775	118,699	45.0	-
	Drain "E"	100	LF	405.56	40,556	18,250	45.0	-
	36" RCP CL3 Storm drain system	66	LF	144.79	9,556	4,300	45.0	-
	24" RCP CL3 Storm drain system	429	LF	113.53	48,704	21,917	45.0	-
	12" RCP CL3 Storm drain system	20	LF	65.78	1,316	592	45.0	-
	60" ID Storm Drain Manhole	1	EA	7,193	7,193	3,237	45.0	-
	Sutter County Type "F" Drain Inlet	1	EA	1,682	1,682	757	45.0	-
	Storm pipe Inlet Structure (Detail D-15)	2	EA	5,033	10,066	4,530	45.0	-
	Storm pipe Inlet Structure (Detail D-16)	1	EA	5,503	5,503	2,476	45.0	-
	Retaining Wall	249	SF	184	45,921	20,664	45.0	-
	Finish grade road	17,860	SF	0.52	9,287	4,179	45.0	-
	Place Aggregate Base	2,041	TN	48.47	98,927	44,517	45.0	-
	Prime Coat	17,740	SF	0.17	3,016	1,357	45.0	-
	Place 4" 3/4" Asphaltic concrete	443.5	TN	120	53,220	23,949	45.0	-
	Pipe Gate	1	EA	2,445	2,445	1,100	45.0	-
	Striping	1	JOB	LS	2,056	925	45.0	-
	Fifield Road							
	Finish grade road	6,292	SF	0.74	4,656	2,095	45.0	-
	Place Aggregate Base	380	TN	59	22,420	10,089	45.0	-
	Prime Coat	1,920	SF	0.48	922	415	45.0	-
	Place 4" 3/4" Asphaltic concrete	48	TN	120	5,760	2,592	45.0	-
	Striping	1	JOB	LS	126	57	45.2	-
	Bridge Replacement	1	JOB	LS	3,011,266	1,355,499	45.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	91,811	41,315	45.0	-
020318	Utilities							
02031815	Mechanical							
	24"-48" Culverts Crossing	4	EA	61,984	247,936	111,571	45.0	-
	12" Discharge Pipe Crossing	1	JOB	LS	58,723	26,425	45.0	-
	Well Relocation	8	EA	334,250	2,674,000	1,203,300	45.0	-
	Private Irrigation Relocation							
	300+92 15 HP w/ 12" discharge	1	EA	77,203	77,203	34,741	45.0	-
	APN 35-080-022	1	EA	95,021	95,021	42,759	45.0	-
	APN 35-120-003	1	EA	5,541	5,541	2,493	45.0	-
	Canal Relocations							
	Drainage Canals	5,900	LF	3.61	21,299	9,585	45.0	-
	Irrigation Canals	1,900	LF	3.61	6,859	3,087	45.0	-
02031815	Electrical							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Utility Pole Relocation	35	EA	10,000	350,000	157,500	45.0	-
	Subtotal, Construction Costs:				\$7,867,942			
	Contingencies @ average of	45.0 % +/- *				\$3,541,002		A
02	RELOCATIONS			TOTAL:		\$11,408,944		
30	PLANNING, ENGINEERING & DESIGN - Relocation				944,150	424,675	45.0	-
	Subtotal				\$944,150			
	Contingencies @ average of	45.0 % +/- *				\$424,675		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$1,368,825		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				629,440	283,124	45.0	-
	Subtotal				\$629,440			
	Contingencies @ average of	45.0 % +/- *				\$283,124		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$912,564		
Reach F								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				2,050	300	14.6	-
A01180302	Gross Appraisal/Report				7,911	1,200	15.2	-
A01180303	Prelim Real Estate Acquistn Maps				3,066	500	16.3	-
A01180304	Physical Takngs Analysis Reports				419	100	23.9	-
A01180305	Prelim Attys Opinion of Compsnbl				419	100	23.9	-
A01180306	Rights of Entry				4,200	600	14.3	-
A01180307	All Other Real Estate Analy/Docs				6,078	900	14.8	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230301	Real Estate Planning Documents				0	11,500	0.0	-
A01230302	Real Estate Acquisition Documents				76,440	0	0.0	-
A01230305	Real Estate Appraisal Documents				10,780	1,600	14.8	-
A01230307	Real Estate Rts of Entry/TempPermt				5,145	300	5.8	-
A01230317	Real Estate LERRD Crediting Docs				162,780	24,612	15.1	-
	Subtotal, Construction Costs:				\$279,288			
	Contingencies @ average of	14.9 % +/- *				\$41,712		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$321,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	2,403,178	1,081,430	45.0	-
110103	Care & Diversion of Water:							
11010302	Site Work: SWPPP	1	JOB	LS	1,241,972	558,887	45.0	-
110104	Permanent Access Roads and Parking:							
11010402	Site Work:							
	Process subgrade for aggregate base	349,800	SF	0.09	31,482	14,167	45.0	-
	Finish grade crown and maintenance roads	349,800	SF	0.23	80,454	36,204	45.0	-
	Place 6" Aggregate Base	13,118	TN	51.68	677,938	305,072	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Clearing	110	ACR	3,084	339,240	152,658	45.0	-
	Degrade levee	180,000	CY	4.39	790,200	355,590	45.0	-
	Borrow site	122.6	ACR	41,884	5,134,978	2,310,740	45.0	-
	Grading, Import & Place	915,096	CY	14.76	13,506,817	6,083,093	45.0	-
	Export unsuitable soils	35,991	CY	11.10	399,500	179,775	45.0	-
	Soil-Bentonite Slurrywall	728,795	SF	8.13	5,925,103	2,666,296	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON	
						(\$)*	(%)*		
	Effective Price Level (EPL): 1-Oct-2010								
	Seeding		82.1	ACR	4,244	348,432	156,794	45.0	-
	Subtotal, Construction Costs:					\$30,879,294			
	Contingencies @ average of		45.0	% +/- *			\$13,900,706		
11	LEVEES AND FLOODWALLS				TOTAL:		\$44,780,000		
30	PLANNING, ENGINEERING & DESIGN								
302301	PLANS AND SPECIFICATION								
30230101	Surveys and Mapping, except RE					187,620	84,429	45.0	-
30230101	Survey Markers					121,390	54,626	45.0	-
30230101	Hydraulics Studies					220,730	99,329	45.0	-
30230101	Hydrology					110,350	49,658	45.0	-
30230101	Structural Design					33,110	14,900	45.0	-
30230102	Civil Design Analysis					121,390	54,626	45.0	-
30230102	Prepare Specs- Front End					55,180	24,831	45.0	-
30230102	Civil Design Prepare Tec Specs					82,770	37,247	45.0	-
30230102	Civil Design Prepare Plans					193,140	86,913	45.0	-
30230102	Review P&S(ITR)					82,770	37,247	45.0	-
30230104	BCOE Review and Certification					55,180	24,831	45.0	-
30230104	Revise P&S					55,180	24,831	45.0	-
30230105	Geotechnical Studies(Geol and Soils)					220,730	99,329	45.0	-
30230105	Revegetation Plan					256,600	115,470	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS								
30230401	Coordination w/other agencies					71,740	32,283	45.0	-
30230403	Mitigation Analysis Report					66,220	29,799	45.0	-
30230404	Fish and Wildlife Coordination Act Report					82,770	37,247	45.0	-
30230410	NPDES Permit/SPPCP					27,590	12,416	45.0	-
302305	HTRW STUDIES/REPORT								
30230502	HTRW Assessment Report					110,350	49,658	45.0	-
302306	CULTURAL RESOURCE								
30230601	Cultural Resource, Studies Doc.					137,960	62,082	45.0	-
302307	COST ESTIMATE								
30230701	Cost Estimates-Project					110,350	49,658	45.0	-
30230703	Cost Estimates-Contract					110,350	49,658	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS								
30230801	O&M, Plan					55,180	24,831	45.0	-
30230801	Other Studies (ECIFP)					22,070	9,932	45.0	-
302309	CONTRACT AWARD DOCUMENTS								
30230903	Advertise					55,180	24,831	45.0	-
30230903	Repro					27,590	12,416	45.0	-
30230907	Award Contract					11,040	4,968	45.0	-
302310	ENGINEERING & DESIGN DURING					220,730	99,329	45.0	-
30231402	Amendments to P&S					55,180	24,831	45.0	-
3024	VALUE ENGINEERING ANALYSIS					71,740	32,283	45.0	-
3025	CLOSE OUT								
302501	Physical Closeout Documents					66,220	29,799	45.0	-
302501	Local Sponsor Audit					55,180	24,831	45.0	-
302501	USACE Audit					55,180	24,831	45.0	-
302501	OMRR&R Manual					110,350	49,658	45.0	-
3026	PROGRAMS AND PROJECT MGMT					386,410	174,172	45.1	-
	Subtotal					\$3,705,520			
	Contingencies @ average of		45.0	% +/- *			\$1,667,780		A
30	PLANNING, ENGINEERING & DESIGN				TOTAL:		\$5,373,300		
30	PLANNING, ENGINEERING & DESIGN - Section 104								
30	SUNK COSTS					2,798,000			
	SECTION 104	FY 2007			96,879				
	SECTION 104	FY 2008			829,450				
	SECTION 104	FY 2009			1,115,558				
	SECTION 104	FY 2010			756,113				
	Subtotal					\$2,798,000			
30	PLANNING, ENGINEERING & DESIGN - Section 104				TOTAL:		\$2,798,000		
31	CONSTRUCTION MANAGEMENT (S & I)								
312311	SUPERVISION AND ADMINISTRATION								
31231101	Project Office Supervn and Admin					823,440	370,466	45.0	-
31231102	Area Office S&A Documents					257,410	115,835	45.0	-
31231103	District Office S&A Documents					51,380	23,121	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
31231103	Contract Mods & Negotiations				30,880	13,896	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				568,180	255,681	45.0	-
312602	Funds Control Documents				103,010	46,355	45.0	-
312603	Trip Reports				51,380	23,121	45.0	-
312604	Upward reporting Documents				30,880	13,896	45.0	-
312605	Budgetary Documents				41,250	18,563	45.0	-
312606	Project Authorization Documents				51,380	23,121	45.0	-
312607	Annual Notification Ltr				25,690	11,561	45.0	-
312608	Fact Sheets				153,660	69,147	45.0	-
312609	Correspondance(Congress/State)				51,380	23,121	45.0	-
312610	Schedule and Cost Changes				61,760	27,792	45.0	-
312611	Project Work Directives				30,880	13,896	45.0	-
312612	Project Closeout Coord Documents				30,880	13,896	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				51,380	23,121	45.0	-
312614	All Other Programs/PM Documents				30,880	13,896	45.0	-
312615	Mitigation Construction				24,700	11,115	45.0	-
	Subtotal				\$2,470,400			
	Contingencies @ average of	45.0	% +/- *			\$1,111,600		A
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:		\$3,582,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				117,600	5,900	5.0	-
01230302	Real Estate Acquisition Documents				945,700	141,900	15.0	-
01230303	Real Estate Condemnation Documents				1,080,450	54,000	5.0	-
01230305	Real Estate Appraisal Documents				147,000	22,100	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				35,000	5,300	15.1	-
01230307	Real Estate Rts of Entry/TempPermt				110,250	5,500	5.0	-
01230315	Real Estate Payment Documents				6,766,772	4,311,528	63.7	-
	Subtotal, Construction Costs:				\$9,202,772			
	Contingencies @ average of	49.4	% +/- *			\$4,546,228		A
01	LANDS AND DAMAGES			TOTAL:		\$13,749,000		
02	RELOCATIONS							
0201	ROADS, Construction Activities							
020101	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	310,121	139,554	45.0	-
020139	Road Surfacing							
02013902	Site Work:							
	Private driveways	10	EA	36,855	368,550	165,848	45.0	-
	Access road at berm adjacent to canal relocations							
	Strip Grass & place in non-structural fill area	1,083	CY	24.37	26,393	11,877	45.0	-
	Process original grade (COG)	117,000	SF	0.12	14,040	6,318	45.0	-
	Cut to fill (small 623 spread)	10,140	CY	13.76	139,526	62,787	45.0	-
	Finish grade road	117,000	SF	0.47	54,990	24,746	45.0	-
	Natomas Road							
	Remove existing road	55,714	SY	0.98	54,600	24,570	45.0	-
	Finish grade road	991,200	SF	0.18	178,416	80,287	45.0	-
	Place 11" Aggregate Base	67,675	TN	46.18	3,125,232	1,406,011	45.0	-
	Prime Coat	991,200	SF	0.13	128,856	57,985	45.0	-
	Place 3" 3/4" Asphaltic concrete	18,691	TN	98	1,828,354	822,759	45.0	-
	Striping	1	JOB	LS	79,903	35,956	45.0	-
	Bridge Replacement at Riego Road	1	JOB	LS	1,762,882	793,297	45.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	67,959	30,582	45.0	-
020318	Utilities							
02031815	Mechanical							
	Well Relocation	7	EA	330,065	2,310,455	1,039,705	45.0	-
	Drainage Canals	24,640	LF	3.58	88,211	39,695	45.0	-
	Irrigation Canals	2,800	LF	3.58	10,024	4,511	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
02031815	Electrical Utility Pole Relocation	68	EA	10,000	680,000	306,000	45.0	-
	Subtotal, Construction Costs:				\$11,228,512			
	Contingencies @ average of	45.0 % +/- *				\$5,052,488		A
02	RELOCATIONS			TOTAL:		\$16,281,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				1,347,420	606,580	45.0	-
	Subtotal				\$1,347,420			
	Contingencies @ average of	45.0 % +/- *				\$606,580		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$1,954,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				898,280	403,720	44.9	-
	Subtotal				\$898,280			
	Contingencies @ average of	44.9 % +/- *				\$403,720		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$1,302,000		
Reach G								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				1,683	300	17.8	-
A01180302	Gross Appraisal/Report				6,492	1,000	15.4	-
A01180303	Prelim Real Estate Acquistn Maps				2,516	400	15.9	-
A01180304	Physical Takngs Analysis Reports				344	100	29.1	-
A01180305	Prelim Attys Opinion of Compsnbl				344	100	29.1	-
A01180306	Rights of Entry				3,570	500	14.0	-
A01180307	All Other Real Estate Analy/Docs				5,884	900	15.3	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				56,160	8,400	15.0	-
A01230305	Real Estate Appraisal Documents				7,920	1,200	15.2	-
A01230307	Real Estate Rts of Entry/TempPermt				3,780	200	5.3	-
A01230317	Real Estate LERRD Crediting Docs				120,920	18,287	15.1	-
	Subtotal, Construction Costs:				\$209,613			
	Contingencies @ average of	15.0 % +/- *				\$31,387		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$241,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	1,256,581	565,461	45.0	-
110103	Care & Diversion of Water:							
11010302	Site Work: SWPPP	1	JOB	LS	947,686	426,459	45.0	-
110104	Permanent Access Roads and Parking:							
11010402	Site Work:							
	Process subgrade for aggregate base	282,750	SF	0.09	25,448	11,452	45.0	-
	Finish grade crown and maintenance roads	282,750	SF	0.23	65,033	29,265	45.0	-
	Place 6" Aggregate Base	10,406	TN	51.45	535,389	240,925	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Clearing	42.00	ACR	5,696	239,232	107,654	45.0	-
	Degrade levee	251,072	CY	4.35	1,092,163	491,473	45.0	-
	Borrow site Preparation	85.30	ACR	44,290	3,777,937	1,700,072	45.0	-
	Grading, Import & Place	730,713	CY	13.33	9,740,404	4,383,589	45.0	-
	Export unsuitable soils	50,214	CY	11.01	552,856	248,785	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Soil Bentonite Seeding	741,271	SF	11.44	8,480,140	3,816,063	45.0	-
		52.40	ACR	3,579	187,540	84,393	45.0	-
	Subtotal, Construction Costs:				\$26,900,409			
	Contingencies @ average of	45.0 % +/- *				\$12,105,591		
11	LEVEES AND FLOODWALLS			TOTAL:		\$39,006,000		
30	PLANNING, ENGINEERING & DESIGN							
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				163,450	73,553	45.0	-
30230101	Survey Markers				105,750	47,588	45.0	-
30230101	Hydraulics Studies				192,290	86,531	45.0	-
30230101	Hydrology				96,130	43,259	45.0	-
30230101	Structural Design				28,840	12,978	45.0	-
30230102	Civil Design Analysis				105,750	47,588	45.0	-
30230102	Prepare Specs- Front End				48,070	21,632	45.0	-
30230102	Civil Design Prepare Tec Specs				72,110	32,450	45.0	-
30230102	Civil Design Prepare Plans				168,250	75,713	45.0	-
30230102	Review P&S(ITR)				72,110	32,450	45.0	-
30230104	BCOE Review and Certification				48,070	21,632	45.0	-
30230104	Revise P&S				48,070	21,632	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				192,290	86,531	45.0	-
30230105	Revegetation Plan				223,540	100,593	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				62,490	28,121	45.0	-
30230403	Mitigation Analysis Report				57,690	25,961	45.0	-
30230404	Fish and Wildlife Coordination Act Report				72,110	32,450	45.0	-
30230410	NPDES Permit/SPPCP				24,040	10,818	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				96,130	43,259	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				120,180	54,081	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				96,130	43,259	45.0	-
30230703	Cost Estimates-Contract				96,130	43,259	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				48,070	21,632	45.0	-
30230801	Other Studies (ECIFP)				19,230	8,654	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				48,070	21,632	45.0	-
30230903	Repro				24,040	10,818	45.0	-
30230907	Award Contract				9,610	4,325	45.0	-
302310	ENGINEERING & DESIGN DURING				192,290	86,531	45.0	-
30231402	Amendments to P&S				48,070	21,632	45.0	-
3024	VALUE ENGINEERING ANALYSIS				62,490	28,121	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				57,690	25,961	45.0	-
302501	Local Sponsor Audit				48,070	21,632	45.0	-
302501	USACE Audit				48,070	21,632	45.0	-
302501	OMRR&R Manual				96,130	43,259	45.0	-
3026	PROGRAMS AND PROJECT MGMT				336,620	151,363	45.0	-
	Subtotal				\$3,228,070			
	Contingencies @ average of	45.0 % +/- *				\$1,452,530		A
30	PLANNING, ENGINEERING & DESIGN			TOTAL:		\$4,680,600		
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS				5,000			
	SECTION 104	FY 2010			5,000			
	Subtotal				\$5,000			
30	PLANNING, ENGINEERING & DESIGN - Section 104			TOTAL:		\$5,000		
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				717,340	323,272	45.1	-
31231102	Area Office S&A Documents				224,240	100,908	45.0	-
31231103	District Office S&A Documents				44,760	20,142	45.0	-
31231103	Contract Mods & Negotiations				26,900	12,105	45.0	-
3126	PROGRAMS AND PROJECT MGMT							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
312601	Proj Mgmt Documents				494,970	222,737	45.0	-
312602	Funds Control Documents				89,740	40,383	45.0	-
312603	Trip Reports				44,760	20,142	45.0	-
312604	Upward reporting Documents				26,900	12,105	45.0	-
312605	Budgetary Documents				35,940	16,173	45.0	-
312606	Project Authorization Documents				44,760	20,142	45.0	-
312607	Annual Notification Ltr				22,380	10,071	45.0	-
312608	Fact Sheets				133,860	60,237	45.0	-
312609	Correspondance(Congress/State)				44,760	20,142	45.0	-
312610	Schedule and Cost Changes				53,800	24,210	45.0	-
312611	Project Work Directives				26,900	12,105	45.0	-
312612	Project Closeout Coord Documents				26,900	12,105	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				44,760	20,142	45.0	-
312614	All Other Programs/PM Documents				26,900	12,105	45.0	-
312615	Mitigation Construction				21,520	9,684	45.0	-
	Subtotal				\$2,152,090			
	Contingencies @ average of	45.0 % +/- *				\$968,910		A
31	CONSTRUCTION MANAGEMENT (S & I)			TOTAL:		\$3,121,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				86,400	4,300	5.0	-
01230302	Real Estate Acquisition Documents				694,800	104,200	15.0	-
01230303	Real Estate Condemnation Documents				793,800	39,700	5.0	-
01230305	Real Estate Appraisal Documents				108,000	16,200	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				25,000	3,800	15.2	-
01230307	Real Estate Rts of Entry/TempPermt				81,000	4,100	5.1	-
01230315	Real Estate Payment Documents				11,316,112	5,041,588	44.6	-
	Subtotal, Construction Costs:				\$13,105,112			
	Contingencies @ average of	39.8 % +/- *				\$5,213,888		A
01	LANDS AND DAMAGES			TOTAL:		\$18,319,000		
02	RELOCATIONS							
0201	ROADS, Construction Activities							
020101	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	307,837	138,527	45.0	-
020139	Road Surfacing							
02013902	Site Work:							
	Private Driveways	23	EA	19,783	454,998	204,749	45.0	-
	Asphaltic concrete							
	Strip grass & place in non-structural locations	2,695	CY	24.19	65,192	29,336	45.0	-
	Process original grade (COG)	291,075	SF	0.12	34,929	15,718	45.0	-
	Cut to fill (small 623 spread)	25,227	CY	6.39	161,201	72,540	45.0	-
	Finish grade road	291,075	SF	0.47	136,805	61,562	45.0	-
	Natomas Road							
	Remove existing road	62,833	SY	0.96	60,320	27,144	45.0	-
	Finish grade road	754,000	SF	0.18	135,720	61,074	45.0	-
	Place 11" Aggregate Base	53,689	TN	45.73	2,455,198	1,104,839	45.0	-
	Prime Coat	754,000	SF	0.13	98,020	44,109	45.0	-
	Place 3" 3/4" Asphaltic concrete	14,828	TN	97.10	1,439,799	647,910	45.0	-
	Striping	1	JOB	LS	63,008	28,354	45.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	67,458	30,356	45.0	-
020318	Utilities							
02031815	Mechanical							
	Well Relocation	7	EA	328,290	2,298,030	1,034,114	45.0	-
	RD 1000 Plant #6 (1-30", 2-36", 1-42")	1	JOB	LS	2,753,402	1,239,363	45.0	-
	Canal Relocations	19,405	LF	3.55	68,888	31,000	45.0	-
02031815	Electrical							
	Utility Poles	51	EA	10,000	510,000	229,500	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
					Effective Price Level (EPL): 1-Oct-2010			
	Subtotal, Construction Costs:				\$11,110,805			
	Contingencies @ average of	45.0 % +/- *				\$5,000,195		A
02	RELOCATIONS			TOTAL:		\$16,111,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				1,666,620	750,380	45.0	-
	Subtotal				\$1,666,620			
	Contingencies @ average of	45.0 % +/- *				\$750,380		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$2,417,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				1,111,080	499,920	45.0	-
	Subtotal				\$1,111,080			
	Contingencies @ average of	45.0 % +/- *				\$499,920		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$1,611,000		
Reach H								
FEDERAL								
A01	LANDS AND DAMAGES, Administration							
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				6,705	1,000	14.9	-
A01180302	Gross Appraisal/Report				25,862	3,900	15.1	-
A01180303	Prelim Real Estate Acquistn Maps				10,023	1,500	15.0	-
A01180304	Physical Takngs Analysis Reports				1,369	200	14.6	-
A01180305	Prelim Attys Opinion of Compsnbl				1,369	200	14.6	-
A01180306	Rights of Entry				1,890	300	15.9	-
A01180307	All Other Real Estate Analy/Docs				13,523	2,000	14.8	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				218,400	32,800	15.0	-
A01230305	Real Estate Appraisal Documents				30,800	4,600	14.9	-
A01230307	Real Estate Rts of Entry/TempPermt				14,700	700	4.8	-
A01230317	Real Estate LERRD Crediting Docs				460,800	69,359	15.1	-
	Subtotal, Construction Costs:				\$785,441			
	Contingencies @ average of	14.8 % +/- *				\$116,559		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$902,000		
06	FISH AND WILDLIFE FACILITIES							
0603	WILDLIFE FACILITIES AND SANCTUARIES, Mitigation							
060373	Habitat and Feeding Facilities:							
06037302	Site Work:							
	Mob/Demob	1	JOB	LS	100,000	45,000	45.0	-
	Preservation Fencing Installation	1,950	LF	5.34	10,413	4,686	45.0	-
	Preservation Fencing Removal	1,950	LF	1.39	2,711	1,220	45.0	-
	Aggregate Base	240	TON	99.11	23,786	10,704	45.0	-
	Irrigation System Installation	1	JOB	LS	1,080,000	486,000	45.0	-
	Irrigation System Removal	1	JOB	LS	89,330	40,199	45.0	-
	Treepot4 Container Planting	15,800	EA	15.27	241,266	108,570	45.0	-
	Deepot Container Planting	25,670	EA	15.27	391,981	176,391	45.0	-
	Treeband Container Planting	6,535	EA	15.27	99,789	44,905	45.0	-
	Plant Protection Cages	48,000	EA	18.71	898,080	404,136	45.0	-
	Seeding - Type 1 Mix	40	ACR	1,198	47,920	21,564	45.0	-
	Mulching	3,810	CY	91.61	349,034	157,065	45.0	-
	Irrigation Application	1,176	EA	705.45	829,609	373,324	45.0	-
	Weeding - Mowing	15	EA	15,265	228,975	103,039	45.0	-
	Weeding - Herbicide	9	EA	25,920	233,280	104,976	45.0	-
	Weeding - Hand Pull	15	EA	73,200	1,098,000	494,595	45.0	-
	Irrigation System Maintenance	3	YR	71,900	215,700	97,065	45.0	-
	Cage Maintenance	3	YR	41,000	123,000	55,350	45.0	-
	Mulching (shredded cedar bark)	3	YR	66,175	198,525	89,336	45.0	-
	Pruning	1	JOB	LS	110,240	49,608	45.0	-
	Additional Tree Band Plantings	2,970	EA	22.62	67,181	30,231	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
	Gates	4	EA	6,589	26,356	11,860	45.0	-
	AECOM, 2010, estimates \$150,000 per acre for mitigation bank	0.10	ACR	150,000	15,000	0	0.0	-
	Subtotal, Construction Costs:				\$6,480,176			
	Contingencies @ average of	44.9 % +/- *				\$2,909,824		A
06	FISH AND WILDLIFE FACILITIES			TOTAL:		\$9,390,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	3,243,091	1,459,391	45.0	-
110103	Care & Diversion of Water:							
11010302	Site Work: SWPPP	48	ACR	22,374	1,073,952	483,278	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Debris Removal	47,312	CY	25.05	1,185,166	533,325	45.0	-
	Clearing	48	ACR	11,854	568,969	256,036	45.0	-
	Stripping and Foundation	48	ACR	6,048	290,304	130,637	45.0	-
	Levee Degrading	236,561	CY	10.48	2,479,159	1,115,622	45.0	-
	Surface Layer Removal, Stockpile & Respread	20	ACR	12,142	242,840	109,278	45.0	-
	Borrow Site Excavation & Hauling	160,216	CY	11.11	1,780,000	801,000	45.0	-
	Levee Fill (embankment)	349,465	CY	11.75	4,106,214	1,847,796	45.0	-
	SB Cutoff Wall	966,960	SF	8.71	8,422,222	3,788,528	45.0	-
	Jet Grouting	27,948	SF	101.64	2,840,635	1,278,286	45.0	-
	Seeding	38	ACR	4,161	158,118	71,153	45.0	-
	Subtotal, Construction Costs:				\$26,390,670			
	Contingencies @ average of	45.0 % +/- *				\$11,874,330		
11	LEVEES AND FLOODWALLS			TOTAL:		\$38,265,000		
30	PLANNING, ENGINEERING & DESIGN							
30	SUNK COSTS				724,900			
		FY 2009		146,700				
		FY 2010		578,200				
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				199,720	89,874	45.0	-
30230101	Survey Markers				129,220	58,149	45.0	-
30230101	Hydraulics Studies				234,970	105,737	45.0	-
30230101	Hydrology				117,470	52,862	45.0	-
30230101	Structural Design				35,240	15,858	45.0	-
30230102	Civil Design Analysis				129,220	58,149	45.0	-
30230102	Prepare Specs- Front End				58,730	26,429	45.0	-
30230102	Civil Design Prepare Tec Specs				88,110	39,650	45.0	-
30230102	Civil Design Prepare Plans				205,600	92,520	45.0	-
30230102	Review P&S(ITR)				88,110	39,650	45.0	-
30230104	BCOE Review and Certification				58,730	26,429	45.0	-
30230104	Revise P&S				58,730	26,429	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				234,970	105,737	45.0	-
30230105	Revegetation Plan				273,150	122,918	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				76,360	34,362	45.0	-
30230403	Mitigation Analysis Report				70,490	31,721	45.0	-
30230404	Fish and Wildlife Coordination Act Report				88,110	39,650	45.0	-
30230410	NPDES Permit/SPPCP				29,370	13,217	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				117,470	52,862	45.0	-
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				146,850	66,083	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				117,470	52,862	45.0	-
30230703	Cost Estimates-Contract				117,470	52,862	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				58,730	26,429	45.0	-
30230801	Other Studies (ECIFP)				23,500	10,575	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				58,730	26,429	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
30230903	Repro				29,370	13,217	45.0	-
30230907	Award Contract				11,750	5,288	45.0	-
302310	ENGINEERING & DESIGN DURING				234,970	105,737	45.0	-
30231402	Amendments to P&S				58,730	26,429	45.0	-
3024	VALUE ENGINEERING ANALYSIS				76,360	34,362	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				70,490	31,721	45.0	-
302501	Local Sponsor Audit				58,730	26,429	45.0	-
302501	USACE Audit				58,730	26,429	45.0	-
302501	OMRR&R Manual				117,470	52,862	45.0	-
3026	PROGRAMS AND PROJECT MGMT				411,330	185,333	45.1	-
	Subtotal				\$4,669,350			
	Contingencies @ average of	45.0	% +/- *			\$1,775,250		A
30	PLANNING, ENGINEERING & DESIGN				TOTAL:	\$6,444,600		
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS				3,581,000			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		2,904				
	SECTION 104	FY 2007		99,760				
	SECTION 104	FY 2008		1,568,103				
	SECTION 104	FY 2009		1,262,720				
	SECTION 104	FY 2010		647,513				
	Subtotal				\$3,581,000			
30	PLANNING, ENGINEERING & DESIGN - Section 104				TOTAL:	\$3,581,000		
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				876,550	394,277	45.0	-
31231102	Area Office S&A Documents				274,010	123,305	45.0	-
31231103	District Office S&A Documents				54,700	24,615	45.0	-
31231103	Contract Mods & Negotiations				32,870	14,792	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				604,820	272,169	45.0	-
312602	Funds Control Documents				109,660	49,347	45.0	-
312603	Trip Reports				54,700	24,615	45.0	-
312604	Upward reporting Documents				32,870	14,792	45.0	-
312605	Budgetary Documents				43,920	19,764	45.0	-
312606	Project Authorization Documents				54,700	24,615	45.0	-
312607	Annual Notification Ltr				27,350	12,308	45.0	-
312608	Fact Sheets				163,570	73,607	45.0	-
312609	Correspondance(Congress/State)				54,700	24,615	45.0	-
312610	Schedule and Cost Changes				65,740	29,583	45.0	-
312611	Project Work Directives				32,870	14,792	45.0	-
312612	Project Closeout Coord Documents				32,870	14,792	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				54,700	24,615	45.0	-
312614	All Other Programs/PM Documents				32,870	14,792	45.0	-
312615	Mitigation Construction				26,300	11,835	45.0	-
	Subtotal				\$2,629,770			
	Contingencies @ average of	45.0	% +/- *			\$1,183,230		A
31	CONSTRUCTION MANAGEMENT (S & I)				TOTAL:	\$3,813,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				336,000	16,800	5.0	-
01230302	Real Estate Acquisition Documents				2,702,000	405,300	15.0	-
01230303	Real Estate Condemnation Documents				3,087,000	154,400	5.0	-
01230305	Real Estate Appraisal Documents				420,000	63,000	15.0	-
01230306	Real Estate PL 91-646 Asst. Doc				235,000	11,800	5.0	-
01230307	Real Estate Rts of Entry/TempPermt				315,000	15,800	5.0	-
01230315	Real Estate Payment Documents				3,800,000	949,900	25.0	-
	Subtotal, Construction Costs:				\$10,895,000			
	Contingencies @ average of	14.8	% +/- *			\$1,617,000		A

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
01	LANDS AND DAMAGES			TOTAL:		\$12,512,000		
02	RELOCATIONS							
0201	ROADS, Construction Activities							
020101	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	1,065,572	479,507	45.0	-
020107 02010703	Bridge, Super Structure - Prestressed Box Girder Concrete Bridge Modifications, West El Camino Bridge	18,370	SF	374	6,870,380	3,091,671	45.0	-
020113 02011302	Traffic Control Site Work: Traffic Control	1	JOB	LS	271,938	122,372	45.0	-
020139 02013902	Road Surfacing Site Work: Road Relocations Dead End Roads Natoma Street Arden-Garden Connector Northgate Blvd Bike Trail @ Levee Crown	5 715 1,550 500 22,150	EA LF LF LF LF	27,390 353.77 831 1,003 59	136,950 252,946 1,288,050 501,500 1,312,388	61,628 113,826 579,623 225,675 590,587	45.0 45.0 45.0 45.0 45.0	-
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	10,878	4,895	45.0	-
020318 02031815	Utilities Mechanical 6" Gas Main 8" Water Main Fiber Optic Relocation Sac City Pumping Plant Sump 102 RD 1000 Pumping Plant No 8	260 112 190 1 1	LF LF LF JOB JOB	142.89 215 147.27 LS LS	37,151 24,080 27,981 922,941 1,029,650	16,718 10,836 12,591 415,323 463,343	45.0 45.0 45.0 45.0 45.0	-
02031815	Electrical Utility Pole Relocation	56	EA	10,000	560,000	252,000	45.0	-
	Subtotal, Construction Costs:				\$14,312,405			
	Contingencies @ average of	45.0 % +/- *				\$6,440,595		A
02	RELOCATIONS			TOTAL:		\$20,753,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				1,717,490	772,740	45.0	-
30	SUNK COSTS				2,770			
		FY 2007 FY 2010			889 1,881			
	Subtotal				\$1,720,260			
	Contingencies @ average of	44.9 % +/- *				\$772,740		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$2,493,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				1,144,990	515,010	45.0	-
	Subtotal				\$1,144,990			
	Contingencies @ average of	45.0 % +/- *				\$515,010		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$1,660,000		
	Reach I							
	FEDERAL							
A01	LANDS AND DAMAGES, Administration							

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
A011803	GENERAL REVALUATION REPORT (GRR)							
A01180301	Real Estate Supplement/Plan				920	100	10.9	-
A01180302	Gross Appraisal/Report				3,550	500	14.1	-
A01180303	Prelim Real Estate Acquistn Maps				1,375	200	14.5	-
A01180304	Physical Takngs Analysis Reports				188	0	0.0	-
A01180305	Prelim Attys Opinion of Compsnbl				188	0	0.0	-
A01180306	Rights of Entry				2,730	400	14.7	-
A01180307	All Other Real Estate Analy/Docs				484	100	20.7	-
A012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
A01230302	Real Estate Acquisition Documents				40,560	6,100	15.0	-
A01230305	Real Estate Appraisal Documents				5,720	900	15.7	-
A01230307	Real Estate Rts of Entry/TempPermt				2,730	100	3.7	-
A01230317	Real Estate LERRD Crediting Docs				83,720	12,435	14.9	-
Subtotal, Construction Costs:					\$142,165			
Contingencies @ average of					14.7 % +/- *	\$20,835		A
A01	LANDS AND DAMAGES, Administration			TOTAL:		\$163,000		
11	LEVEES AND FLOODWALLS							
1101	LEVEES							
110101	Mob., Demob. and Preparatory Work:	1	JOB	LS	2,426,883	1,092,097	45.0	-
110104	Permanent Access Roads and Parking:							
11010402	Site Work: Place 4" Aggregate Base	18,900	TN	44.35	838,215	377,197	45.0	-
110199	Associated General Items:							
11019902	Site Work:							
	Debris Removal	5,000	CY	28.70	143,500	64,575	45.0	-
	Clearing	18.1	ACR	9,514	172,208	77,494	45.0	-
	Stripping and Foundation	13,068	CY	10.16	132,771	59,747	45.0	-
	Levee Degrading	80,600	CY	8.65	697,190	313,736	45.0	-
	Surface Layer Removal, Stockpile & Respread	12	ACR	12,942	155,304	69,887	45.0	-
	Borrow Site Excavation & Hauling	74,800	CY	12.80	957,440	430,848	45.0	-
	Embankment from Borrow, Pervious or Random	74,800	CY	5.41	404,668	182,101	45.0	-
	Embankment from Levee Degrade Material(Stockpiled)	80,600	CY	11.96	963,976	433,789	45.0	-
	Place & Remove Temporary Fill	26,300	SY	32.38	851,594	383,217	45.0	-
	SB Cutoff Wall	359,400	SF	8.39	3,015,366	1,362,610	45.2	-
	Seeding	14	ACR	4,758	66,612	29,975	45.0	-
Subtotal, Construction Costs:					\$10,825,727			
Contingencies @ average of					45.1 % +/- *	\$4,877,273		
11	LEVEES AND FLOODWALLS			TOTAL:		\$15,703,000		
30	PLANNING, ENGINEERING & DESIGN							
302301	PLANS AND SPECIFICATION							
30230101	Surveys and Mapping, except RE				65,780	29,601	45.0	-
30230101	Survey Markers				42,560	19,152	45.0	-
30230101	Hydraulics Studies				77,380	34,821	45.0	-
30230101	Hydrology				38,690	17,411	45.0	-
30230101	Structural Design				11,610	5,225	45.0	-
30230102	Civil Design Analysis				42,560	19,152	45.0	-
30230102	Prepare Specs- Front End				19,340	8,703	45.0	-
30230102	Civil Design Prepare Tec Specs				29,020	13,059	45.0	-
30230102	Civil Design Prepare Plans				67,710	30,470	45.0	-
30230102	Review P&S(ITR)				29,020	13,059	45.0	-
30230104	BCOE Review and Certification				19,340	8,703	45.0	-
30230104	Revise P&S				19,340	8,703	45.0	-
30230105	Geotechnical Studies(Geol and Soils)				77,380	34,821	45.0	-
30230105	Revegetation Plan				89,960	40,482	45.0	-
302304	ENVIRONMENTAL STUDIES DOCUMENTS							
30230401	Coordination w/other agencies				25,150	11,318	45.0	-
30230403	Mitigation Analysis Report				23,220	10,449	45.0	-
30230404	Fish and Wildlife Coordination Act Report				29,020	13,059	45.0	-
30230410	NPDES Permit/SPPCP				9,670	4,352	45.0	-
302305	HTRW STUDIES/REPORT							
30230502	HTRW Assessment Report				38,690	17,411	45.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
302306	CULTURAL RESOURCE							
30230601	Cultural Resource, Studies Doc.				48,370	21,767	45.0	-
302307	COST ESTIMATE							
30230701	Cost Estimates-Project				38,690	17,411	45.0	-
30230703	Cost Estimates-Contract				38,690	17,411	45.0	-
302308	OTHER STUDIES/INVESTIGATIONS							
30230801	O&M, Plan				19,340	8,703	45.0	-
30230801	Other Studies (ECIFP)				7,740	3,483	45.0	-
302309	CONTRACT AWARD DOCUMENTS							
30230903	Advertise				19,340	8,703	45.0	-
30230903	Repro				9,670	4,352	45.0	-
30230907	Award Contract				3,870	1,742	45.0	-
302310	ENGINEERING & DESIGN DURING				77,380	34,821	45.0	-
30231402	Amendments to P&S				19,340	8,703	45.0	-
3024	VALUE ENGINEERING ANALYSIS				25,150	11,318	45.0	-
3025	CLOSE OUT							
302501	Physical Closeout Documents				23,220	10,449	45.0	-
302501	Local Sponsor Audit				19,340	8,703	45.0	-
302501	USACE Audit				19,340	8,703	45.0	-
302501	OMRR&R Manual				38,690	17,411	45.0	-
3026	PROGRAMS AND PROJECT MGMT				135,470	60,489	44.7	-
	Subtotal				\$1,299,080			
	Contingencies @ average of	45.0	% +/-	*		\$584,120		A
30	PLANNING, ENGINEERING & DESIGN					\$1,883,200		
30	PLANNING, ENGINEERING & DESIGN - Section 104							
30	SUNK COSTS				2,334,000			
	March 2006 to Sept 31 2006 - SECTION 104	FY 2006		28,739				
	SECTION 104	FY 2007		128,200				
	SECTION 104	FY 2008		354,075				
	SECTION 104	FY 2009		676,118				
	SECTION 104	FY 2010		1,146,868				
	Subtotal				\$2,334,000			
30	PLANNING, ENGINEERING & DESIGN - Section 104					\$2,334,000		
31	CONSTRUCTION MANAGEMENT (S & I)							
312311	SUPERVISION AND ADMINISTRATION							
31231101	Project Office Supervn and Admin				288,680	130,097	45.1	-
31231102	Area Office S&A Documents				90,240	40,608	45.0	-
31231103	District Office S&A Documents				18,010	8,105	45.0	-
31231103	Contract Mods & Negotiations				10,830	4,874	45.0	-
3126	PROGRAMS AND PROJECT MGMT							
312601	Proj Mgmt Documents				199,190	89,636	45.0	-
312602	Funds Control Documents				36,110	16,250	45.0	-
312603	Trip Reports				18,010	8,105	45.0	-
312604	Upward reporting Documents				10,830	4,874	45.0	-
312605	Budgetary Documents				14,460	6,507	45.0	-
312606	Project Authorization Documents				18,010	8,105	45.0	-
312607	Annual Notification Ltr				9,010	4,055	45.0	-
312608	Fact Sheets				53,870	24,242	45.0	-
312609	Correspondance(Congress/State)				18,010	8,105	45.0	-
312610	Schedule and Cost Changes				21,650	9,743	45.0	-
312611	Project Work Directives				10,830	4,874	45.0	-
312612	Project Closeout Coord Documents				10,830	4,874	45.0	-
312613	Quarterly Cost Rpt to Local Sponsor				18,010	8,105	45.0	-
312614	All Other Programs/PM Documents				10,830	4,874	45.0	-
312615	Mitigation Construction				8,660	3,897	45.0	-
	Subtotal				\$866,070			
	Contingencies @ average of	45.0	% +/-	*		\$389,930		A
31	CONSTRUCTION MANAGEMENT (S & I)					\$1,256,000		
	NON-FEDERAL							
01	LANDS AND DAMAGES							
012303	CONSTRUCTION CONTRACT(S) DOCUMENTS							
01230301	Real Estate Planning Documents				62,400	3,100	5.0	-

****DETAILED ESTIMATE OF FIRST COST(Cont'd)****

ACCOUNT NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	CONTINGENCY		REASON
						(\$)*	(%)*	
Effective Price Level (EPL): 1-Oct-2010								
01230302	Real Estate Acquisition Documents				501,800	75,300	15.0	-
01230303	Real Estate Condemnation Documents				573,300	28,700	5.0	-
01230305	Real Estate Appraisal Documents				78,000	11,700	15.0	-
01230307	Real Estate Rts of Entry/TempPermt				58,500	2,900	5.0	-
01230315	Real Estate Payment Documents				901,075	1,229,225	136.4	-
	Subtotal, Construction Costs:				\$2,175,075			
	Contingencies @ average of	62.1 % +/- *				\$1,350,925		A
01	LANDS AND DAMAGES			TOTAL:		\$3,526,000		
02	RELOCATIONS							
0201	ROADS, Construction Activities							
020101	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	287,909	129,559	45.0	-
020113	Traffic Control							
02011302	Site Work: Traffic Control	1	JOB	LS	38,872	17,492	45.0	-
020139	Road Surfacing							
02013902	Site Work: Asphaltic Concrete Pavement	4,400	TON	154.97	681,868	306,841	45.0	-
020139	Associated General Items							
02013902	Site Work: Demo pavement Haul Route Surface Road Repairs	13,500 1	SY JOB	19.05 LS	257,175 777,440	115,729 349,848	45.0 45.0	- -
0203	CEMETERIES, UTILITIES, AND STRUCTURES,							
020301	Mobilization, and Demobilization and Preparatory Work: Mobilization and Demobilization	1	JOB	LS	32,652	14,693	45.0	-
020318	Utilities							
02031815	Mechanical Sac City Pumping Plant Sump 58 Water Lines	1 2,006	JOB LF	LS 159.42	1,053,108 319,797	473,425 143,909	45.0 45.0	- -
02031815	Electrical							
	Utility Pole Relocation	40	EA	10,000	400,000	180,000	45.0	-
	Relocate Telephone Conduit	1	JOB	LS	10,204	4,592	45.0	-
	Relocate Electric Conduit (4-inch)	1	JOB	LS	21,872	9,842	45.0	-
	Relocate Electric Conduit (1-inch PVC)	1	JOB	LS	5,882	2,647	45.0	-
	Light Standard Relocations	4	EA	7,180	28,720	12,924	45.0	-
	Subtotal, Construction Costs:				\$3,915,499			
	Contingencies @ average of	45.0 % +/- *				\$1,761,501		A
02	RELOCATIONS			TOTAL:		\$5,677,000		
30	PLANNING, ENGINEERING & DESIGN - Relocation				469,860	211,203	45.0	-
30	SUNK COSTS				5,937			
		FY 2010			5,937			
	Subtotal				\$475,797			
	Contingencies @ average of	44.4 % +/- *				\$211,203		A
30	PLANNING, ENGINEERING & DESIGN - Relocation			TOTAL:		\$687,000		
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation				313,240	140,760	44.9	-
	Subtotal				\$313,240			
	Contingencies @ average of	44.9 % +/- *				\$140,760		A
31	CONSTRUCTION MANAGEMENT (S & I) - Relocation			TOTAL:		\$454,000		