



OPINION OF PROBABLE CONSTRUCTION COST

**CARL L. ESTES RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
COST SUMMARY					
1	CONSTRUCTION COST	1	LS	\$109,844,700.00	\$109,844,700.00
2	LAND ACQUISITION COST	1	LS	\$71,587,500.00	\$71,587,500.00
3	CONFLICT RESOLUTION COST	1	LS	\$36,681,620.00	\$36,681,620.00
4	ENVIRONMENTAL MITIGATION COST	1	LS	\$71,587,500.00	\$71,587,500.00
5	PERMIT AND STUDIES	1	LS	\$13,086,829.20	\$13,086,829.20
6	ENGINEERING FEES (4% OF ITEMS 1, 2, &3)	1	LS	\$8,724,552.80	\$8,724,552.80
				SUBTOTAL:	\$311,512,702.00
				CONTINGENCY:	20% \$62,302,500.00
PROJECT TOTAL					\$373,815,202.00



CONSTRUCTION COST DETAILS

CARL L. ESTES RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
DAM EMBANKMENT					
					\$56,845,274.72
1	DIVERSION AND CARE OF WATER	1	LS	\$720,000.00	\$720,000.00
2	CLEARING AND GRUBBING	600	AC	\$864.00	\$518,400.00
3	EXCAVATION	3,303,333	CY	\$2.88	\$9,513,599.04
4	COMPACTED FILL	7,448,999	CY	\$2.88	\$21,453,117.12
5	IMPERVIOUS FILL (CORE)	2,194,332	CY	\$2.88	\$6,319,676.16
6	RIPRAP BEDDING	68,206	CY	\$21.60	\$1,473,249.60
7	RIPRAP	227,354	TON	\$43.20	\$9,821,692.80
8	SLURRY TRENCH	130,500	SF	\$5.76	\$751,680.00
9	EMBANKMENT DRAINAGE AND INSTRUMENTATION	1	LS	\$950,000.00	\$950,000.00
10	TOPSOIL	110,700	CY	\$14.40	\$1,594,080.00
11	HYDROMULCH	5,977,800	SF	\$0.10	\$597,780.00
12	ROADWAY	783,000	SF	\$4.00	\$3,132,000.00
SPILLWAY					
					\$34,123,380.00
1	CLEARING AND GRUBBING	5	AC	\$864.00	\$4,320.00
2	EXCAVATION	205,000	CY	\$2.88	\$590,400.00
3	PILES	260	EA	\$864.00	\$224,640.00
4	CONCRETE WEIR	30,000	CY	\$300.00	\$9,000,000.00
5	CONCRETE SLAB	900	CY	\$250.00	\$225,000.00
6	CONCRETE WALLS	2,300	CY	\$325.00	\$747,500.00
7	CONCRETE STILLING BASIN	2,500	CY	\$250.00	\$625,000.00
8	TAINTER GATES (40' x 35')	5	EA	\$924,000.00	\$4,620,000.00
9	SUPERSTRUCTURE AND HOISTS	1	LS	\$500,000.00	\$500,000.00
10	NON-OVERFLOW SECTION	52,600	CY	\$325.00	\$17,095,000.00
11	DRAINAGE SYSTEM	1	LS	\$70,000.00	\$70,000.00
12	RIPRAP BEDDING	1,200	CY	\$21.60	\$25,920.00
13	RIPRAP	8,200	TON	\$43.20	\$354,240.00
14	HYDROMULCH	44,000	SF	\$0.10	\$4,400.00
15	FENCING	600	LF	\$21.60	\$12,960.00
16	4'-0" x 8'-0" SLUICE GATES	2	EA	\$12,000.00	\$24,000.00

SUBTOTAL:	\$90,968,654.72
MOBILIZATION:	5% \$4,548,400.00
SUBTOTAL:	\$95,517,100.00
OH & P:	15% \$14,327,600.00

CONSTRUCTION COST TOTAL	\$109,844,700.00
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LAND ACQUISITION COST DETAILS

CARL L. ESTES RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
LAND ACQUISITION COST					\$71,587,500.00
1	LAND ACQUISITION COST- 31125 AC	31,125	AC	\$2,300.00	\$71,587,500.00



CONFLICT RESOLUTION COST DETAILS

CARL L. ESTES RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONFLICT RESOLUTION COST					\$36,681,620.00
1	MAIN HIGHWAYS	1	LS	\$21,848,000.00	\$21,848,000.00
2	LIGHT-DUTY ROADS (ASSUME 75% ABANDONED)	1	LS	\$5,322,500.00	\$5,322,500.00
3	UNIMPROVED ROADS (ASSUME ALL ABANDONED)	1	LS	\$0.00	\$0.00
4	PIPELINES	1	LS	\$5,275,000.00	\$5,275,000.00
5	POWER LINES	1	LS	\$3,498,600.00	\$3,498,600.00
6	OIL WELLS	1	LS	\$168,760.00	\$168,760.00
7	GAS WELLS	1	LS	\$168,760.00	\$168,760.00
8	DWELLINGS	1	LS	\$400,000.00	\$400,000.00



ENVIRONMENTAL MITIGATION COST DETAILS

CARL L. ESTES RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
ENVIRONMENTAL MITIGATION COST					\$71,587,500.00
1	ENVIRONMENTAL MITIGATION COST (ASSUME EQUAL TO LAND ACQUISITION COST 1:1 RATIO)	1	LS	\$71,587,500.00	\$71,587,500.00



PERMIT AND STUDIES COST DETAILS

CARL L. ESTES RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PERMIT AND STUDIES					\$13,086,829.20
1	PERMIT AND STUDIES MEDIUM CLASSIFICATION (6% OF ITEMS 1, 2, & 3 ON SUMMARY SHEET)	1	LS	\$13,086,829.20	\$13,086,829.20



OPINION OF PROBABLE CONSTRUCTION COST

**BIG SANDY RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
COST SUMMARY					
1	CONSTRUCTION COST	1	LS	\$14,145,800.00	\$14,145,800.00
2	LAND ACQUISITION COST	1	LS	\$12,663,800.00	\$12,663,800.00
3	CONFLICT RESOLUTION COST	1	LS	\$21,768,800.00	\$21,768,800.00
4	ENVIRONMENTAL MITIGATION COST	1	LS	\$12,663,800.00	\$12,663,800.00
5	PERMIT AND STUDIES	1	LS	\$2,914,704.00	\$2,914,704.00
6	ENGINEERING FEES (10% OF ITEMS 1, 2, &3)	1	LS	\$4,857,840.00	\$4,857,840.00
				SUBTOTAL:	\$69,014,744.00
				CONTINGENCY:	20% \$13,802,900.00
PROJECT TOTAL					\$82,817,644.00



CONSTRUCTION COST DETAILS

BIG SANDY RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
DAM EMBANKMENT					\$5,600,918.64
1	DIVERSION AND CARE OF WATER	1	LS	\$720,000.00	\$720,000.00
2	CLEARING AND GRUBBING	50	AC	\$864.00	\$43,200.00
3	EXCAVATION	273,944	CY	\$2.88	\$788,958.72
4	COMPACTED FILL	669,844	CY	\$2.88	\$1,929,150.72
5	RIPRAP BEDDING	5,647	CY	\$21.60	\$121,975.20
6	RIPRAP	18,824	TON	\$43.20	\$813,196.80
7	SLURRY TRENCH	10,900	SF	\$5.76	\$62,784.00
8	SOIL CEMENT	11,000	CY	\$28.80	\$316,800.00
9	EMBANKMENT DRAINAGE AND INSTRUMENTATION	1	LS	\$330,000.00	\$330,000.00
10	TOPSOIL	9,153	CY	\$14.40	\$131,803.20
11	HYDROMULCH	494,250	SF	\$0.10	\$49,425.00
12	ROADWAY	65,250	SF	\$4.50	\$293,625.00
SPILLWAY					\$5,183,952.00
1	CLEARING AND GRUBBING	5	AC	\$864.00	\$4,320.00
2	EXCAVATION	38,000	CY	\$2.88	\$109,440.00
3	PILES	308	EA	\$864.00	\$266,112.00
4	CONCRETE WEIR	950	CY	\$300.00	\$285,000.00
5	CONCRETE SLAB	460	CY	\$250.00	\$115,000.00
6	CONCRETE WALLS	2,280	CY	\$325.00	\$741,000.00
7	TAINTER GATES (45'x 23.6')	4	EA	\$715,000.00	\$2,860,000.00
8	SUPERSTRUCTURE AND HOISTS	1	LS	\$288,000.00	\$288,000.00
9	DRAINAGE SYSTEM	1	LS	\$73,000.00	\$73,000.00
10	RIPRAP BEDDING	1,700	CY	\$21.60	\$36,720.00
11	RIPRAP	9,000	TON	\$43.20	\$388,800.00
12	HYDROMULCH	36,000	SF	\$0.10	\$3,600.00
13	FENCING	600	LF	\$21.60	\$12,960.00
OUTLET WORKS					\$930,088.00
1	CONCRETE INTAKE STRUCTURE	130	CY	\$504.00	\$65,520.00
2	66" CONDUIT	500	LF	\$324.00	\$162,000.00
3	CONCRETE STILLING BASIN	2,300	CY	\$250.00	\$575,000.00
4	RIPRAP	120	TON	\$43.20	\$5,184.00
5	EXCAVATION	4,300	CY	\$2.88	\$12,384.00
6	GATES AND ACCESS BRIDGE	1	LS	\$110,000.00	\$110,000.00
SUBTOTAL:					\$11,714,958.64
MOBILIZATION: 5%					\$585,700.00
SUBTOTAL:					\$12,300,700.00
OH & P: 15%					\$1,845,100.00
CONSTRUCTION COST TOTAL					\$14,145,800.00



LAND ACQUISITION COST DETAILS

BIG SANDY RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
LAND ACQUISITION COST					\$12,663,800.00
1	LAND ACQUISITION COST- 5506 AC	5,506	LS	\$2,300.00	\$12,663,800.00



CONFLICT RESOLUTION COST DETAILS

BIG SANDY RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONFLICT RESOLUTION COST					\$21,768,800.00
1	MAIN HIGHWAYS	1	LS	\$15,048,000.00	\$15,048,000.00
2	LIGHT-DUTY ROADS (ASSUME 75% ABANDONED)	1	LS	\$3,352,000.00	\$3,352,000.00
3	UNIMPROVED ROADS (ASSUME ALL ABANDONED)	1	LS	\$0.00	\$0.00
4	PIPELINES	1	LS	\$2,125,000.00	\$2,125,000.00
5	OIL WELLS	1	LS	\$843,800.00	\$843,800.00
6	DWELLINGS	1	LS	\$400,000.00	\$400,000.00



ENVIRONMENTAL MITIGATION COST DETAILS

**BIG SANDY RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
ENVIRONMENTAL MITIGATION COST					\$12,663,800.00
1	ENVIRONMENTAL MITIGATION COST (ASSUME EQUAL TO LAND ACQUISITION COST 1:1 RATIO)	1	LS	\$12,663,800.00	\$12,663,800.00



PERMIT AND STUDIES COST DETAILS

**BIG SANDY RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PERMIT AND STUDIES					\$2,914,704.00
1	PERMIT AND STUDIES MEDIUM CLASSIFICATION (6% OF ITEMS 1, 2, & 3 ON SUMMARY SHEET)	1	LS	\$2,914,704.00	\$2,914,704.00



OPINION OF PROBABLE CONSTRUCTION COST

**WATERS BLUFF RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
COST SUMMARY					
1	CONSTRUCTION COST	1	LS	\$71,974,600.00	\$71,974,600.00
2	LAND ACQUISITION COST	1	LS	\$104,638,500.00	\$104,638,500.00
3	CONFLICT RESOLUTION COST	1	LS	\$89,443,640.00	\$89,443,640.00
4	ENVIRONMENTAL MITIGATION COST	1	LS	\$104,638,500.00	\$104,638,500.00
5	PERMIT AND STUDIES	1	LS	\$26,605,674.00	\$26,605,674.00
6	ENGINEERING FEES (4% OF ITEMS 1, 2, & 3)	1	LS	\$10,642,269.60	\$10,642,269.60
				SUBTOTAL:	\$407,943,183.60
				CONTINGENCY:	20% \$81,588,600.00
PROJECT TOTAL					\$489,531,783.60



CONSTRUCTION COST DETAILS

WATERS BLUFF RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
DAM EMBANKMENT					\$7,790,404.00
1	DIVERSION AND CARE OF WATER	1	LS	\$1,278,000.00	\$1,278,000.00
2	CLEARING AND GRUBBING	90	AC	\$532.50	\$47,925.00
3	EXCAVATION	860,200	CY	\$2.84	\$2,442,968.00
4	RANDOM FILL	716,400	CY	\$0.85	\$610,372.80
5	IMPERVIOUS EMBANKMENT CORE	329,100	CY	\$0.85	\$280,393.20
6	SOIL CEMENT	55,450	CY	\$24.14	\$1,338,563.00
7	FILTER MATERIAL	78,500	CY	\$17.04	\$1,337,640.00
8	ACCESS ROAD AND ROAD ON DAM	32,200	SY	\$6.39	\$205,758.00
9	STRIPPING AND INSPECTION TRENCH	116,800	CY	\$2.13	\$248,784.00
SPILLWAY					\$51,815,921.80
1	SILL CONCRETE	24,850	CY	\$200.00	\$4,970,000.00
2	PIER CONCRETE	19,300	CY	\$250.00	\$4,825,000.00
3	BASIN CONCRETE	22,340	CY	\$250.00	\$5,585,000.00
4	TRAINING WALL CONCRETE	18,800	CY	\$325.00	\$6,110,000.00
5	CEMENT	24,740	TON	\$106.50	\$2,634,810.00
6	REINFORCING STEEL	5,700	TON	\$1,136.00	\$6,475,200.00
7	TANTER GATES (40' x 28') **	11	EA	\$742,500.00	\$8,167,500.00
8	GATE ANCHORAGE	1	LS	\$976,960.00	\$976,960.00
9	GATE MACHINERY	1	LS	\$2,577,300.00	\$2,577,300.00
9	MAINTENANCE BULKHEADS	110,000	LB	\$4.26	\$468,600.00
10	MISC. METALS AND EMBEDS	233,450	LB	\$5.68	\$1,325,996.00
11	SPILLWAY BRIDGE	1	LS	\$535,340.00	\$535,340.00
12	FOUNDATION DRAINAGE	1	LS	\$1,299,300.00	\$1,299,300.00
13	APPROACH SLAB	9,450	CY	\$250.00	\$2,362,500.00
14	STONE PROTECTION	31,850	TON	\$65.32	\$2,080,442.00
15	GRADED FILTER RIPRAP	4,950	CY	\$17.04	\$84,348.00
16	UPSTREAM IMPERVIOUS BLANKET	11,650	CY	\$0.85	\$9,925.80
17	NON-OVERFLOW SECTION	1	LS	\$1,327,700.00	\$1,327,700.00
SUBTOTAL:					\$59,606,325.80
MOBILIZATION: 5%					\$2,980,300.00
SUBTOTAL:					\$62,586,600.00
OH & P: 15%					\$9,388,000.00

CONSTRUCTION COST TOTAL **\$71,974,600.00**

NOTE: COST ADJUSTED FROM OCTOBER 1985 TO DECEMBER 1998

** PRICE QUOTE FROM SUPPLIER



LAND ACQUISITION COST DETAILS

**WATERS BLUFF RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
LAND ACQUISITION COST					\$104,638,500.00
1	LAND ACQUISITION COST- 45,495 AC	45,495	AC	\$2,300.00	\$104,638,500.00



CONFLICT RESOLUTION COST DETAILS

WATERS BLUFF RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONFLICT RESOLUTION COST					\$89,443,640.00
1	MAIN HIGHWAYS	1	LS	\$38,008,000.00	\$38,008,000.00
2	LIGHT-DUTY ROADS (ASSUME 75% ABANDONED)	1	LS	\$9,582,500.00	\$9,582,500.00
3	UNIMPROVED ROADS (ASSUME ALL ABANDONED)	1	LS	\$0.00	\$0.00
4	PIPELINES	1	LS	\$17,175,000.00	\$17,175,000.00
5	POWER LINES	1	LS	\$1,500,000.00	\$1,500,000.00
6	RAILROADS	1	LS	\$9,250,000.00	\$9,250,000.00
7	OIL WELLS	1	LS	\$253,140.00	\$253,140.00
8	DWELLINGS	1	LS	\$1,000,000.00	\$1,000,000.00
9	FISH HATCHERY	1	LS	\$750,000.00	\$750,000.00
10	PUMP STATION	1	LS	\$1,250,000.00	\$1,250,000.00
11	AQUADUCT	1	LS	\$1,850,000.00	\$1,850,000.00
12	WATER / WASTEWATER PLANT	1	LS	\$8,750,000.00	\$8,750,000.00
13	GAGING STATION	1	LS	\$75,000.00	\$75,000.00



ENVIRONMENTAL MITIGATION COST DETAILS

WATERS BLUFF RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
ENVIRONMENTAL MITIGATION COST					\$104,638,500.00
1	ENVIRONMENTAL MITIGATION COST (ASSUME EQUAL TO LAND ACQUISITION COST 1:1 RATIO)	1	LS	\$104,638,500.00	\$104,638,500.00



PERMIT AND STUDIES COST DETAILS

**WATERS BLUFF RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PERMIT AND STUDIES					\$26,605,674.00
1	PERMIT AND STUDIES HIGH CLASSIFICATION (10% OF ITEMS 1, 2, & 3 ON SUMMARY SHEET)	1	LS	\$26,605,674.00	\$26,605,674.00



OPINION OF PROBABLE CONSTRUCTION COST

PRAIRIE CREEK RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
COST SUMMARY					
1	CONSTRUCTION COST	1	LS	\$18,184,400.00	\$18,184,400.00
2	LAND ACQUISITION COST	1	LS	\$6,555,000.00	\$6,555,000.00
3	CONFLICT RESOLUTION COST	1	LS	\$10,848,540.00	\$10,848,540.00
4	ENVIRONMENTAL MITIGATION COST	1	LS	\$6,555,000.00	\$6,555,000.00
5	PERMIT AND STUDIES	1	LS	\$711,758.80	\$711,758.80
6	ENGINEERING FEES (10% OF ITEMS 1, 2, & 3)	1	LS	\$3,558,794.00	\$3,558,794.00
				SUBTOTAL:	\$46,413,492.80
				CONTINGENCY:	20% \$9,282,700.00
PROJECT TOTAL					\$55,696,192.80



CONSTRUCTION COST DETAILS

PRAIRIE CREEK RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
DAM EMBANKMENT					\$8,462,016.00
1	DIVERSION AND CARE OF WATER	1	LS	\$720,000.00	\$720,000.00
2	CLEARING AND GRUBBING	33	AC	\$864.00	\$28,512.00
3	EXCAVATION	53,200	CY	\$2.88	\$153,216.00
4	COMPACTED FILL	1,362,000	CY	\$2.88	\$3,922,560.00
5	SLURRY TRENCH	173,000	SF	\$5.76	\$996,480.00
6	SOIL CEMENT	65,800	CY	\$28.80	\$1,895,040.00
7	EMBANKMENT DRAINAGE AND INSTRUMENTATION	1	LS	\$423,360.00	\$423,360.00
8	TOPSOIL	10,100	CY	\$14.40	\$145,440.00
9	HYDROMULCH	660,000	SF	\$0.10	\$66,528.00
10	ROADWAY	1	LS	\$110,880.00	\$110,880.00
SPILLWAY					\$6,144,590.00
1	CLEARING AND GRUBBING	10	AC	\$864.00	\$8,640.00
2	EXCAVATION	356,000	CY	\$2.88	\$1,025,280.00
3	PILES	590	EA	\$864.00	\$509,760.00
4	CONCRETE WEIR	1,330	CY	\$300.00	\$399,000.00
5	CONCRETE SLAB	2,200	CY	\$250.00	\$550,000.00
6	CONCRETE WALLS	7,190	CY	\$325.00	\$2,336,750.00
7	TAINTER GATES (24' x 20') **	2	EA	\$319,000.00	\$638,000.00
8	SUPERSTRUCTURE AND HOISTS	1	LS	\$144,000.00	\$144,000.00
9	DRAINAGE SYSTEM	1	LS	\$72,000.00	\$72,000.00
10	RIPRAP BEDDING	960	CY	\$21.60	\$20,736.00
11	RIPRAP	9,620	TON	\$43.20	\$415,584.00
12	HYDROMULCH	75,000	SF	\$0.10	\$7,560.00
13	FENCING	800	LF	\$21.60	\$17,280.00
OUTLET WORKS					\$452,848.00
1	CONCRETE INTAKE STRUCTURE	250	CY	\$504.00	\$126,000.00
2	66" CONDUIT	500	LF	\$324.00	\$162,000.00
3	CONCRETE STILLING BASIN	160	CY	\$250.00	\$40,000.00
4	RIPRAP	110	TON	\$43.20	\$4,752.00
5	EXCAVATION	4,200	CY	\$2.88	\$12,096.00
6	GATES AND ACCESS BRIDGE	1	LS	\$108,000.00	\$108,000.00
SUBTOTAL:					\$15,059,454.00
MOBILIZATION: 5%					\$753,000.00
SUBTOTAL:					\$15,812,500.00
OH & P: 15%					\$2,371,900.00
CONSTRUCTION COST TOTAL					\$18,184,400.00

NOTE: COST ADJUSTED FROM JUNE 1984 TO DECEMBER 1998.
** PRICE QUOTE FROM SUPPLIER



LAND ACQUISITION COST DETAILS

**PRAIRIE CREEK RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
LAND ACQUISITION COST					\$6,555,000.00
1	LAND ACQUISITION COST- 2850 AC	2,850	AC	\$2,300.00	\$6,555,000.00



CONFLICT RESOLUTION COST DETAILS

PRAIRIE CREEK RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONFLICT RESOLUTION COST					\$10,848,540.00
1	MAIN HIGHWAYS	1	LS	\$8,452,500.00	\$8,452,500.00
2	LIGHT-DUTY ROADS (ASSUME 75% ABANDONED)	1	LS	\$1,546,000.00	\$1,546,000.00
3	UNIMPROVED ROADS (ASSUME ALL ABANDONED)	1	LS	\$0.00	\$0.00
4	OIL WELLS	1	LS	\$675,040.00	\$675,040.00
5	DWELLINGS	1	LS	\$175,000.00	\$175,000.00



ENVIRONMENTAL MITIGATION COST DETAILS

PRAIRIE CREEK RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
ENVIRONMENTAL MITIGATION COST					\$6,555,000.00
1	ENVIRONMENTAL MITIGATION COST (ASSUME EQUAL TO LAND ACQUISITION COST 1:1 RATIO)	1	LS	\$6,555,000.00	\$6,555,000.00



PERMIT AND STUDIES COST DETAILS

PRAIRIE CREEK RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PERMIT AND STUDIES					\$711,758.80
1	PERMIT AND STUDIES LOW CLASSIFICATION (2% OF ITEMS 1, 2, & 3 ON SUMMARY SHEET)	1	LS	\$711,758.80	\$711,758.80



OPINION OF PROBABLE CONSTRUCTION COST

STATE HWY 322 (STAGE I & II)
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
COST SUMMARY					
1	CONSTRUCTION COST	1	LS	\$43,844,200.00	\$43,844,200.00
2	LAND ACQUISITION COST	1	LS	\$18,715,100.00	\$18,715,100.00
3	CONFLICT RESOLUTION COST	1	LS	\$15,574,380.00	\$15,574,380.00
4	ENVIRONMENTAL MITIGATION COST	1	LS	\$18,715,100.00	\$18,715,100.00
5	PERMIT AND STUDIES	1	LS	\$1,562,673.60	\$1,562,673.60
6	ENGINEERING FEES (10% OF ITEMS 1, 2, &3)	1	LS	\$7,813,368.00	\$7,813,368.00
				SUBTOTAL:	\$106,224,821.60
				CONTINGENCY:	20% \$21,245,000.00
PROJECT TOTAL					\$127,469,821.60



CONSTRUCTION COST DETAILS

STATE HWY 322 (STAGE I & II)
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
DAM EMBANKMENT					
					\$16,517,859.44
1	DIVERSION AND CARE OF WATER	1	LS	\$720,000.00	\$720,000.00
2	CLEARING AND GRUBBING	214	AC	\$864.00	\$184,896.00
3	EXCAVATION	863,516	CY	\$2.88	\$2,486,926.08
4	COMPACTED FILL	1,781,657	CY	\$2.88	\$5,131,172.16
5	RIPRAP BEDDING	12,300	CY	\$21.60	\$265,680.00
6	RIPRAP	41,000	TON	\$43.20	\$1,771,200.00
7	SLURRY TRENCH	550,000	SF	\$5.76	\$3,168,000.00
8	SOIL CEMENT	54,600	CY	\$28.80	\$1,572,480.00
9	EMBANKMENT DRAINAGE AND INSTRUMENTATION	1	LS	\$423,360.00	\$423,360.00
10	TOPSOIL	27,708	CY	\$14.40	\$398,995.20
11	HYDROMULCH	1,496,300	SF	\$0.10	\$149,630.00
12	ROADWAY	186,000	SF	\$1.32	\$245,520.00
SPILLWAY					
					\$12,375,480.00
1	CLEARING AND GRUBBING	10	AC	\$864.00	\$8,640.00
2	EXCAVATION	50,000	CY	\$2.88	\$144,000.00
3	CONCRETE WEIR	1,950	CY	\$300.00	\$585,000.00
4	CONCRETE SLAB	22,400	CY	\$250.00	\$5,600,000.00
5	CONCRETE WALLS	13,400	CY	\$325.00	\$4,355,000.00
6	RIPRAP BEDDING	5,400	CY	\$21.60	\$116,640.00
7	RIPRAP	36,000	TON	\$43.20	\$1,555,200.00
8	HYDROMULCH	110,000	SF	\$0.10	\$11,000.00
OUTLET WORKS					
					\$7,416,560.00
1	CONCRETE INTAKE STRUCTURE (42" CONDUIT)	130	CY	\$504.00	\$65,520.00
2	42" CONDUIT	420	LF	\$324.00	\$136,080.00
3	CONCRETE INTAKE STRUCTURE (36" CONDUIT)	115	CY	\$504.00	\$57,960.00
4	36" CONDUIT	350	LF	\$324.00	\$113,400.00
5	CONCRETE STILLING BASIN	26,800	CY	\$250.00	\$6,700,000.00
6	RIPRAP	1,500	TON	\$43.20	\$64,800.00
7	EXCAVATION	10,000	CY	\$2.88	\$28,800.00
8	GATES AND ACCESS BRIDGE	1	LS	\$250,000.00	\$250,000.00
SUBTOTAL:					\$36,309,899.44
MOBILIZATION: 5%					\$1,815,500.00
SUBTOTAL:					\$38,125,400.00
OH & P: 15%					\$5,718,800.00
CONSTRUCTION COST TOTAL					\$43,844,200.00



LAND ACQUISITION COST DETAILS

STATE HWY 322 (STAGE I & II)
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
LAND ACQUISITION COST					\$18,715,100.00
1	LAND ACQUISITION COST- 8137 AC (STAGE I AND STAGE II)	8,137	AC	\$2,300.00	\$18,715,100.00



CONFLICT RESOLUTION COST DETAILS

STATE HWY 322 (STAGE I & II)
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONFLICT RESOLUTION COST					\$15,574,380.00
1	MAIN HIGHWAYS	1	LS	\$11,902,500.00	\$11,902,500.00
2	LIGHT-DUTY ROADS (ASSUME 75% ABANDONED)	1	LS	\$3,187,500.00	\$3,187,500.00
3	UNIMPROVED ROADS (ASSUME ALL ABANDONED)	1	LS	\$0.00	\$0.00
4	PIPELINES	1	LS	\$275,000.00	\$275,000.00
5	GAS WELLS	1	LS	\$84,380.00	\$84,380.00
6	DWELLINGS	1	LS	\$125,000.00	\$125,000.00



ENVIRONMENTAL MITIGATION COST DETAILS

STATE HWY 322 (STAGE I & II)
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
ENVIRONMENTAL MITIGATION COST					\$18,715,100.00
1	ENVIRONMENTAL MITIGATION COST (ASSUME EQUAL TO LAND ACQUISITION COST 1:1 RATIO)	1	LS	\$18,715,100.00	\$18,715,100.00



PERMIT AND STUDIES COST DETAILS

STATE HWY 322 (STAGE I & II)
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PERMIT AND STUDIES					\$1,562,673.60
1	PERMIT AND STUDIES LOW CLASSIFICATION (2% OF ITEMS 1, 2, & 3 ON SUMMARY SHEET)	1	LS	\$1,562,673.60	\$1,562,673.60



OPINION OF PROBABLE CONSTRUCTION COST

**CARTHAGE RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
COST SUMMARY					
1	CONSTRUCTION COST	1	LS	\$42,309,200.00	\$42,309,200.00
2	LAND ACQUISITION COST	1	LS	\$118,450,000.00	\$118,450,000.00
3	CONFLICT RESOLUTION COST	1	LS	\$97,791,620.00	\$97,791,620.00
4	ENVIRONMENTAL MITIGATION COST	1	LS	\$118,450,000.00	\$118,450,000.00
5	PERMIT AND STUDIES	1	LS	\$25,855,082.00	\$25,855,082.00
6	ENGINEERING FEES (4% OF ITEMS 1, 2, &3)	1	LS	\$10,342,032.80	\$10,342,032.80
				SUBTOTAL:	\$413,197,934.80
				CONTINGENCY:	20% \$82,639,600.00
PROJECT TOTAL					\$495,837,534.80



CONSTRUCTION COST DETAILS

CARTHAGE RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
DAM EMBANKMENT					\$24,967,341.92
1	DIVERSION AND CARE OF WATER	1	LS	\$720,000.00	\$720,000.00
2	CLEARING AND GRUBBING	420	AC	\$864.00	\$362,880.00
3	EXCAVATION	1,483,258	CY	\$2.88	\$4,271,783.04
4	COMPACTED FILL	2,863,406	CY	\$2.88	\$8,246,609.28
5	RIPRAP BEDDING	30,951	CY	\$21.60	\$668,541.60
6	RIPRAP	103,172	TON	\$43.20	\$4,457,030.40
7	SLURRY TRENCH	91,600	SF	\$5.76	\$527,616.00
8	SOIL CEMENT	82,300	CY	\$28.80	\$2,370,240.00
9	EMBANKMENT DRAINAGE AND INSTRUMENTATION	1	LS	\$700,000.00	\$700,000.00
10	TOPSOIL	50,194	CY	\$14.40	\$722,793.60
11	HYDROMULCH	2,710,480	SF	\$0.10	\$271,048.00
12	ROADWAY	366,400	SF	\$4.50	\$1,648,800.00
SPILLWAY					\$10,071,352.00
1	CLEARING AND GRUBBING	11	AC	\$864.00	\$9,504.00
2	EXCAVATION	53,600	CY	\$2.88	\$154,368.00
3	PILES	650	EA	\$864.00	\$561,600.00
4	CONCRETE WEIR	1,680	CY	\$300.00	\$504,000.00
5	CONCRETE SLAB	1,230	CY	\$250.00	\$307,500.00
6	CONCRETE WALLS	2,040	CY	\$325.00	\$663,000.00
6	CONCRETE STILLING BASIN	5,500	CY	\$250.00	\$1,375,000.00
7	TAINTER GATES (40' x 20')	10	EA	\$528,000.00	\$5,280,000.00
8	SUPERSTRUCTURE AND HOISTS	1	LS	\$800,000.00	\$800,000.00
9	DRAINAGE SYSTEM	1	LS	\$130,000.00	\$130,000.00
10	RIPRAP BEDDING	1,250	CY	\$21.60	\$27,000.00
11	RIPRAP	5,400	TON	\$43.20	\$233,280.00
12	HYDROMULCH	1,800	SF	\$0.10	\$180.00
13	FENCING	1,200	LF	\$21.60	\$25,920.00
SUBTOTAL:					\$35,038,693.92
MOBILIZATION: 5%					\$1,751,900.00
SUBTOTAL:					\$36,790,600.00
OH & P: 15%					\$5,518,600.00

CONSTRUCTION COST TOTAL	\$42,309,200.00
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LAND ACQUISITION COST DETAILS

**CARTHAGE RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
LAND ACQUISITION COST					\$118,450,000.00
1	LAND ACQUISITION COST- 51,500 AC	51,500	AC	\$2,300.00	\$118,450,000.00



CONFLICT RESOLUTION COST DETAILS

CARTHAGE RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
CONFLICT RESOLUTION COST					\$97,791,620.00
1	MAIN HIGHWAYS	1	LS	\$49,208,000.00	\$49,208,000.00
2	LIGHT-DUTY ROADS (ASSUME 75% ABANDONED)	1	LS	\$16,370,000.00	\$16,370,000.00
3	UNIMPROVED ROADS (ASSUME ALL ABANDONED)	1	LS	\$0.00	\$0.00
4	PIPELINES	1	LS	\$9,637,500.00	\$9,637,500.00
5	POWER LINES	1	LS	\$15,351,000.00	\$15,351,000.00
6	RAILROADS	1	LS	\$1,700,000.00	\$1,700,000.00
7	OIL WELLS	1	LS	\$1,181,320.00	\$1,181,320.00
8	GAS WELLS	1	LS	\$843,800.00	\$843,800.00
9	DWELLINGS	1	LS	\$450,000.00	\$450,000.00
10	CEMETERIES	1	LS	\$750,000.00	\$750,000.00
11	FISH FARM	1	LS	\$300,000.00	\$300,000.00
12	POWER PLANT	1	LS	\$2,000,000.00	\$2,000,000.00



ENVIRONMENTAL MITIGATION COST DETAILS

CARTHAGE RESERVOIR
SABINE RIVER AUTHORITY

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
ENVIRONMENTAL MITIGATION COST					\$118,450,000.00
1	ENVIRONMENTAL MITIGATION COST (ASSUME EQUAL TO LAND ACQUISITION COST 1:1 RATIO)	1	LS	\$118,450,000.00	\$118,450,000.00



PERMIT AND STUDIES COST DETAILS

**CARTHAGE RESERVOIR
SABINE RIVER AUTHORITY**

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425	JSV/JMC	JMN	December 14, 1998

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
PERMIT AND STUDIES					\$25,855,082.00
1	PERMIT AND STUDIES HIGH CLASSIFICATION (10% OF ITEMS 1, 2, & 3 ON SUMMARY SHEET)	1	LS	\$25,855,082.00	\$25,855,082.00



OPINION OF PROBABLE CONSTRUCTION COST

TOLEDO BEND PIPELINE
 SABINE RIVER AUTHORITY
 PRAIRIE CREEK - 87 mile pipeline

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425			February 22, 1999

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPTION 1 - 60" PIPELINE - 50,000 ACRE-FEET PER YEAR					
	PIPELINE	459,360	LF	\$127	\$58,338,720
	PUMP STATIONS	1	LS	\$6,100,000	\$6,100,000
	RIGHT-OF-WAY	1	LS	\$1,687,273	\$1,687,273
	CONFLICTS	1	LS	\$1,427,440	\$1,427,440
SUBTOTAL:					\$67,553,433
ENGINEERING: 7%					\$4,728,740
SUBTOTAL:					\$72,282,173
CONTINGENCY: 20%					\$14,456,435

PROJECT TOTAL (OPTION 1) \$86,738,608

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPTION 2 - 66" PIPELINE - 75,000 ACRE-FEET PER YEAR					
	PIPELINE	459,360	LF	\$158	\$72,578,880
	PUMP STATIONS	1	LS	\$8,200,000	\$8,200,000
	RIGHT-OF-WAY	1	LS	\$1,687,273	\$1,687,273
	CONFLICTS	1	LS	\$1,427,440	\$1,427,440
SUBTOTAL:					\$83,893,593
ENGINEERING: 7%					\$5,872,552
SUBTOTAL:					\$89,766,145
CONTINGENCY: 20%					\$17,953,229

PROJECT TOTAL (OPTION 2) \$107,719,374

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPTION 3 - 90" PIPELINE - 100,000 ACRE-FEET PER YEAR					
	PIPELINE	459,360	LF	\$234	\$107,490,240
	PUMP STATIONS	1	LS	\$7,800,000	\$7,800,000
	RIGHT-OF-WAY	1	LS	\$1,687,273	\$1,687,273
	CONFLICTS	1	LS	\$1,879,040	\$1,879,040
SUBTOTAL:					\$118,856,553
ENGINEERING: 7%					\$8,319,959
SUBTOTAL:					\$127,176,512
CONTINGENCY: 20%					\$25,435,302

PROJECT TOTAL (OPTION 3) \$152,611,814



OPINION OF PROBABLE CONSTRUCTION COST

TOLEDO BEND PIPELINE
 SABINE RIVER AUTHORITY
 HIGHWAY 322 - 65 mile pipeline

ACCOUNT NO.	ESTIMATOR	CHECKED BY	DATE
SRA96425			February 22, 1999

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPTION 1 - 60" PIPELINE - 50,000 ACRE-FEET PER YEAR					
	PIPELINE	343,200	LF	\$127	\$43,586,400
	PUMP STATIONS	1	LS	\$5,800,000	\$5,800,000
	RIGHT-OF-WAY	1	LS	\$1,260,606	\$1,260,606
	CONFLICTS	1	LS	\$895,360	\$895,360
SUBTOTAL:					\$51,542,366
ENGINEERING: 7%					\$3,607,966
SUBTOTAL:					\$55,150,332
CONTINGENCY: 20%					\$11,030,066

PROJECT TOTAL (OPTION 1) \$66,180,398

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPTION 2 - 78" PIPELINE - 75,000 ACRE-FEET PER YEAR					
	PIPELINE	343,200	LF	\$205	\$70,356,000
	PUMP STATIONS	1	LS	\$6,600,000	\$6,600,000
	RIGHT-OF-WAY	1	LS	\$1,260,606	\$1,260,606
	CONFLICTS	1	LS	\$895,360	\$895,360
SUBTOTAL:					\$79,111,966
ENGINEERING: 7%					\$5,537,838
SUBTOTAL:					\$84,649,804
CONTINGENCY: 20%					\$16,929,961

PROJECT TOTAL (OPTION 2) \$101,579,765

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
OPTION 3 - 90" PIPELINE - 100,000 ACRE-FEET PER YEAR					
	PIPELINE	343,200	LF	\$234	\$80,308,800
	PUMP STATIONS	1	LS	\$7,800,000	\$7,600,000
	RIGHT-OF-WAY	1	LS	\$1,687,273	\$1,260,606
	CONFLICTS	1	LS	\$1,879,040	\$1,179,360
SUBTOTAL:					\$90,348,766
ENGINEERING: 7%					\$6,324,414
SUBTOTAL:					\$96,673,180
CONTINGENCY: 20%					\$19,334,636

PROJECT TOTAL (OPTION 3) \$116,007,816