

**LOUISIANA HURRICANE PROTECTION
FEASIBILITY STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL**

STRUCTURES BRANCH
Organization Code: KP (B2L0900)
Overhead Rates Based on Current Rates

Alternative E-1 - raise all existing Lake Pontchartrain and Vicinity levees, floodwalls and structures to provide Category 4 or 5 protection. It would include construction of structures where the outfall canals enter Lake Pontchartrain instead of parallel protection work. (See map)

What: Develop structural designs for raising current HPP to hurricane category 4 level.

- Request surveys.
- Prepare designs and quantities for floodwalls, breakwaters, floodgates, navigation structures, and drainage structures. Assume Detailed Design Report would be prepared after authorization for major structures.
- Determine relocations and R/W impacts.
- Prepare write-up for Feasibility Report.
- Prepare E&D estimate for DDR, P&S, and EDC work after project is authorized.
- Coordinate with other NOD elements.

Why: To develop the Structural Design features.

Who:

One GS-14 Branch Chief
One GS-13 FTL
One GS-12 Technical Manager
One GS-12 Project Engineer
One GS-11 CE Technician
One GS-5 Secretary

When: After collection of base data and survey information.

How: Standard structural practices and criteria will be used.

4
A0002027

**LOUISIANA HURRICANE PROTECTION
FEASIBILITY STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL**

Time and Cost:

STRUCTURE REACHES-St. Charles Parish

No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	Bayou Trepagnier	9	\$5,425		1	2	8	32	32
2	Goodhope	9	\$5,425		1	2	8	32	32
3	Cross Bayou	9	\$5,425		1	2	8	32	32
4	St. Rose, Sta 328+50 B/L	9	\$5,425		1	2	8	32	32
5	Alameda Canal, Sta 411+73 B/L	9	\$5,425		1	2	8	32	32
6	Walker/Parish Line Canal	9	\$5,425		1	2	8	32	32
7	I-310 Interchange	9	\$5,425		1	2	8	32	32
8	RR gate, Sta 502+77.43 B/L	9	\$5,425		1	2	8	32	32
9	TEXT	0	\$3,720		1	0	0	0	0
10	QUANTITIES	6	\$3,531		1	2	2	40	0
Total		56	\$32,551		6	12	48	192	192

STRUCTURE REACHES-Jefferson Parish

No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	FLOODWALL AT RETURN LEVEE	38	\$21,619		4	10	22	136	128
2	FLOODWALL BETWEEN DUNCAN P.S. & ELMWOOD P.S.	25	\$14,068		2	4	8	96	88
3	FLOODWALL BETWEEN ELMWOOD P.S. & SUBURBAN P.S.	24	\$13,587		2	4	8	96	80
4	FLOODWALL BETWEEN SUBURBAN P.S. & BONNABEL P.S.	11	\$6,312		1	2	4	48	32
5	FLOODWALL BETWEEN BONNABEL P.S. & HAMMOND HWY	11	\$6,312		1	2	4	48	32
6	FLOODWALL AT JEFF & ORLEANS	41	\$24,056		4	14	28	168	112
7	TEXT	6	\$3,720		1	4	2	40	0
8	QUANTITIES	6	\$3,531		1	2	2	40	0
Total		160	\$93,205		15	42	78	672	472

**LOUISIANA HURRICANE PROTECTION
FEASIBILITY STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL**

STRUCTURE REACHES-Orleans Parish-Butterfly Gates at Canal Openings

No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	17th Street Canal-Butterfly Alternative	21	\$12,459		8	16	24	40	80
2	17th Street Canal to Orleans Canal Levee & Floodwall	44	\$25,248		4	8	16	192	128
3	Orleans Avenue-Butterfly Alternative	21	\$12,459		8	16	24	40	80
4	Orleans Avenue Canal to London Ave Canal	11	\$6,312		1	2	4	48	32
5	Bayou St. John	54	\$31,396		11	22	36	184	176
6	London Ave Canal-Butterfly Alternative	21	\$12,459		8	16	24	40	80
7	London Ave Canal to IHNC-Ponchartrain Beach	11	\$6,312		1	2	4	48	32
8	London Ave Canal to IHNC-Leroy Johnson near Seabrook	11	\$6,312		1	2	4	48	32
9	London Ave Canal to IHNC-Leroy Johnson at Reserve Base	11	\$6,312		1	2	4	48	32
10	Seabrook CS	13	\$7,519		4	8	16	32	40
11	West Bank -IHNC: FLOODGATES& FLOODWALLS	228	\$132,554		21	42	84	1008	672
12	TEXT	6	\$3,720		1	4	2	40	0
13	QUANTITIES	6	\$3,531		1	2	2	40	0
Total		193	\$266,595		42	84	136	640	640

STRUCTURE REACHES-Orleans Parish, Raise the Flood Protection

No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	17th Street Canal	85	\$48,775		26	52	80	216	304
2	17th Street Canal to Orleans Canal Levee & Floodwall	44	\$25,003		4	8	16	192	128
3	Orleans Avenue Canal	79	\$45,650		26	51	78	192	288
4	Orleans Avenue Canal to London Ave Canal	11	\$6,251		1	2	4	48	32
5	Bayou St. John	53	\$18,342		9	22	36	184	176
6	London Ave Canal	100	\$57,741		34	67	102	232	368
7	London Ave Canal to IHNC-Ponchartrain Beach	11	\$6,251		1	2	4	48	32
8	London Ave Canal to IHNC-Leroy Johnson near Seabrook	11	\$6,251		1	2	4	48	32
9	London Ave Canal to IHNC-Leroy Johnson at Reserve Base	11	\$6,251		1	2	4	48	32
10	Seabrook CS	13	\$7,274		4	8	16	32	40
11	West Bank -IHNC: FLOODGATES& FLOODWALLS	228	\$131,265		21	42	84	1008	672
12	TEXT	6	\$3,689		1	4	2	40	0
13	QUANTITIES	6	\$3,501		1	2	2	40	0
Total		405	\$220,514		102	208	328	1208	1392

**LOUISIANA HURRICANE PROTECTION
FEASIBILITY STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL**

STRUCTURE REACHES-Orleans Parish(NO East)									
No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	IHNC East Levee:	124	\$71,903		18	35	62	496	384
2	New Orleans Airport to South Point	83	\$58,972		16	15	30	360	240
3	Bayou Sauvage	76	\$43,755		7	14	28	336	224
4	Citrus Back along MRGO/GIWW	51	\$28,541		8	12	24	176	184
5	TEXT	6	\$3,689		1	4	2	40	0
6	QUANTITIES	6	\$3,501		1	2	2	40	0
Total		345	\$210,360		49	82	148	1448	1032
STRUCTURE REACHES-St Bernard Parish									
No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	FLORIDA AVENUE	16	\$9,468		2	3	6	72	48
2	PARISH ROAD	11	\$6,312		1	2	4	48	32
3	BAYOU Bienvenue	26	\$15,018		3	5	10	104	88
4	BAYOU Dupre	6	\$8,706		2	1	2	24	16
5	Verret FG	11	\$6,312		1	2	4	48	32
6	PS 8	10	\$5,550		1	2	4	32	40
7	Creedmore DS	10	\$5,550		1	2	4	32	40
8	Caernarvon (2 gates)	11	\$6,312		1	2	4	48	32
9	Caernarvon FWD	6	\$3,637		1	1	2	24	24
10	TEXT	6	\$3,720		1	4	2	40	0
11	QUANTITIES	6	\$3,531		1	2	2	40	0
Total		100	\$63,228		11	19	38	408	328

LOUISIANA HURRICANE PROTECTION
FEASIBILITY STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

Time and Cost:

STRUCTURE REACHES-St. Charles Parish									
No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	Bayou Trepagnier	9	\$5,425		1	2	8	32	32
2	Goodhope	9	\$5,425		1	2	8	32	32
3	Cross Bayou	9	\$5,425		1	2	8	32	32
4	St. Rose, Sta 328+50 B/L	9	\$5,425		1	2	8	32	32
5	Alameda Canal, Sta 411+73 B/L	9	\$5,425		1	2	8	32	32
6	Walker/Parish Line Canal	9	\$5,425		1	2	8	32	32
7	I-310 Interchange	9	\$5,425		1	2	8	32	32
8	RR gate, Sta 502+77.43 B/L	9	\$5,425		1	2	8	32	32
9	TEXT	0	\$3,720		1	0	0	0	0
10	QUANTITIES	6	\$3,531		1	2	2	40	0
Total		56	\$32,551		6	12	48	192	192

STRUCTURE REACHES-Jefferson Parish									
No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	FLOODWALL AT RETURN LEVEE	38	\$21,619		4	10	22	136	128
2	FLOODWALL BETWEEN DUNCAN P.S. & ELMWOOD P.S.	25	\$14,068		2	4	8	96	88
3	FLOODWALL BETWEEN ELMWOOD P.S. & SUBURBAN P.S.	24	\$13,587		2	4	8	96	80
4	FLOODWALL BETWEEN SUBURBAN P.S. & BONNABEL P.S.	11	\$6,312		1	2	4	48	32
5	FLOODWALL BETWEEN BONNABEL P.S. & HAMMOND HWY	11	\$6,312		1	2	4	48	32
6	FLOODWALL AT JEFF & ORLEANS	41	\$24,056		4	14	28	168	112
7	TEXT	6	\$3,720		1	4	2	40	0
8	QUANTITIES	6	\$3,531		1	2	2	40	0
Total		160	\$93,205		15	42	78	672	472

LOUISIANA HURRICANE PROTECTION
FEASIBILITY STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-Orleans Parish-Butterfly Gates at Canal Openings									
No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	17th Street Canal-Butterfly Alternative	21	\$12,459		8	16	24	40	80
2	17th Street Canal to Orleans Canal Levee & Floodwall	44	\$25,248		4	8	16	192	128
3	Orleans Avenue-Butterfly Alternative	21	\$12,459		8	16	24	40	80
4	Orleans Avenue Canal to London Ave Canal	11	\$6,312		1	2	4	48	32
5	Bayou St. John	54	\$31,396		11	22	36	184	176
6	London Ave Canal-Butterfly Alternative	21	\$12,459		8	16	24	40	80
7	London Ave Canal to IHNC-Ponchartrain Beach	11	\$6,312		1	2	4	48	32
8	London Ave Canal to IHNC-Leroy Johnson near Seabrook	11	\$6,312		1	2	4	48	32
9	London Ave Canal to IHNC-Leroy Johnson at Reserve Base	11	\$6,312		1	2	4	48	32
10	Seabrook CS	13	\$7,519		4	8	16	32	40
11	West Bank -IHNC; FLOODGATES& FLOODWALLS	228	\$132,554		21	42	84	1008	672
12	TEXT	6	\$3,720		1	4	2	40	0
13	QUANTITIES	6	\$3,531		1	2	2	40	0
	Total	193	\$266,595		42	84	136	640	640

STRUCTURE REACHES-Orleans Parish, Raise the Flood Protection									
No.	Description	Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
1	17th Street Canal	85	\$48,775		26	52	80	216	304
2	17th Street Canal to Orleans Canal Levee & Floodwall	44	\$25,003		4	8	16	192	128
3	Orleans Avenue Canal	79	\$45,650		26	51	78	192	288
4	Orleans Avenue Canal to London Ave Canal	11	\$6,251		1	2	4	48	32
5	Bayou St. John	53	\$18,342		9	22	36	184	176
6	London Ave Canal	100	\$57,741		34	67	102	232	368
7	London Ave Canal to IHNC-Ponchartrain Beach	11	\$6,251		1	2	4	48	32
8	London Ave Canal to IHNC-Leroy Johnson near Seabrook	11	\$6,251		1	2	4	48	32
9	London Ave Canal to IHNC-Leroy Johnson at Reserve Base	11	\$6,251		1	2	4	48	32
10	Seabrook CS	13	\$7,274		4	8	16	32	40
11	West Bank -IHNC; FLOODGATES& FLOODWALLS	228	\$131,265		21	42	84	1008	672
12	TEXT	6	\$3,689		1	4	2	40	0
13	QUANTITIES	6	\$3,501		1	2	2	40	0
	Total	405	\$220,514		102	208	328	1208	1392

LOUISIANA HURRICANE PROTECTION
FEASIBILITY STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-Orleans Parish(NO East)		Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
No.	Description								
1	IHNC East Levee:	124	\$71,903		18	35	62	496	384
2	New Orleans Airport to South Point	83	\$58,972		16	15	30	360	240
3	Bayou Sauvage	76	\$43,755		7	14	28	336	224
4	Citrus Back along MRGO/GIWW	51	\$28,541		8	12	24	176	184
5	TEXT	6	\$3,689		1	4	2	40	0
6	QUANTITIES	6	\$3,501		1	2	2	40	0
Total		345	\$210,360		49	82	148	1448	1032
STRUCTURE REACHES-St Bernard Parish		Labor Days	Costs	Duration	Branch Chief (Manhours)	FTL (Manhours)	Technical (Manhours)	Project/Staff (Manhours)	CE Tech (Manhours)
No.	Description								
1	FLORIDA AVENUE	16	\$9,468		2	3	6	72	48
2	PARISH ROAD	11	\$6,312		1	2	4	48	32
3	BAYOU Bienvenue	26	\$15,018		3	5	10	104	88
4	BAYOU Dupre	6	\$8,706		2	1	2	24	16
5	Verret FG	11	\$6,312		1	2	4	48	32
6	PS 8	10	\$5,550		1	2	4	32	40
7	Creedmore DS	10	\$5,550		1	2	4	32	40
8	Caernarvon (2 gates)	11	\$6,312		1	2	4	48	32
9	Caernarvon FWD	6	\$3,637		1	1	2	24	24
10	TEXT	6	\$3,720		1	4	2	40	0
11	QUANTITIES	6	\$3,531		1	2	2	40	0
Total		100	\$63,228		11	19	38	408	328

LOUISIANA HURRICANE PROTECTION FEASIBILITY
STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-St. Charles Parish

WORK ITEM	BR CHIEF(GS14/5)				FTL(GS13/5)				TECH MGR(GS12/9)				STRUC ENGR(GS12/5)				CADD TECH(GS10/5)			
	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price
DESIGN EFFORT		\$43.92	\$67.42	\$111.34		\$37.17	\$57.06	\$94.23		\$35.17	\$53.99	\$89.16		\$30.66	\$47.06	\$77.72		\$23.73	\$36.43	\$60.16
Bayou Trepagnier																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Goodhope																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Cross Bayou																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
St. Rose, Sta 328+50 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Alamedia Canal, Sta 411+73 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Walker/Parish Line Canal																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
I-310 Interchange																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
RR gate, Sta 502+77.43 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
TEXT																				
GENERAL (WRITE-UP)	0.5	\$21.96	\$33.71	\$55.67	4.0	\$148.68	\$228.22	\$376.90	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
QUANTITIES	0.5	\$21.96	\$33.71	\$55.67	2.0	\$74.34	\$114.11	\$188.45	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
SUBTOTAL HOURS	9.0			\$1,002.03	22.0			\$2,072.97	68.0			\$6,062.60	336.0			\$26,114.96	256.0			\$15,399.82

LOUISIANA HURRICANE PROTECTION FEASIBILITY
STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-Jefferson Parish

WORK ITEM	BR CHIEF(GS14/5)				FTL(GS13/5)				TECH MGR(GS12/9)				STRUC ENGR(GS12/5)				CADD TECH(GS10/5)			
	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price
DESIGN EFFORT		\$43.92	\$67.42	\$111.34		\$37.17	\$57.06	\$94.23		\$35.17	\$53.99	\$69.16		\$30.66	\$47.06	\$77.72		\$23.73	\$36.43	\$60.16
FLOODWALL AT RETURN LEVEE																				
DETERMINE FLOODWALL ALIGNMENT	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
DETERMINE MONOLITH LAYOUT	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
DESIGN "T" WALL FLOODWALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
DESIGN "T" WALL FLOODWALL & GATES	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
DESIGN FLOODWALL TIE-IN	1.0	\$43.92	\$67.42	\$111.34	2.0	\$74.34	\$114.11	\$188.45	2.0	\$70.34	\$107.97	\$178.31	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
RAISE I-10 RAMP	1.0	\$43.92	\$67.42	\$111.34	4.0	\$148.68	\$228.22	\$376.90	8.0	\$281.36	\$431.89	\$713.25	40	\$1,226.40	\$1,882.52	\$3,108.92	24	\$569.52	\$874.21	\$1,443.73
	4.0			445.3	10.0			942.3	22.0			1961.4	136.0			10570.3	128.0			7699.9
FLOODWALL BETWEEN DUNCAN P.S. & ELMWOOD P.S.																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
MODIFICATION OF DUNCAN P.S. "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
MODIFICATION OF ELMWOOD P.S. "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
	2.0			222.7	4.0			376.9	8.0			713.2	96.0			7461.4	88.0			5293.7
FLOODWALL BETWEEN ELMWOOD P.S. & SUBURBAN P.S.																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF ELMWOOD P.S. "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
MODIFICATION OF SUBURBAN P.S. "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
	2.0			222.7	4.0			376.9	8.0			713.2	96.0			7461.4	80.0			4812.4
FLOODWALL BETWEEN SUBURBAN P.S. & BONNABEL P.S.																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0			1925.0
FLOODWALL BETWEEN BONNABEL P.S. & HAMMOND HWY																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0			1925.0
FLOODWALL AT JEFF & ORLEANS																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	20	\$474.60	\$728.51	\$1,203.11
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	20	\$474.60	\$728.51	\$1,203.11
RAISE HAMMOND HWY	1.0	\$43.92	\$67.42	\$111.34	4.0	\$148.68	\$228.22	\$376.90	8.0	\$281.36	\$431.89	\$713.25	40	\$1,226.40	\$1,882.52	\$3,108.92	24	\$569.52	\$874.21	\$1,443.73
RAISE OR FLOOD PROOF VET. BLVD BRIDGE	1.0	\$43.92	\$67.42	\$111.34	4.0	\$148.68	\$228.22	\$376.90	8.0	\$281.36	\$431.89	\$713.25	40	\$1,226.40	\$1,882.52	\$3,108.92	24	\$569.52	\$874.21	\$1,443.73
RAISE I-10	1.0	\$43.92	\$67.42	\$111.34	4.0	\$148.68	\$228.22	\$376.90	8.0	\$281.36	\$431.89	\$713.25	40	\$1,226.40	\$1,882.52	\$3,108.92	24	\$569.52	\$874.21	\$1,443.73
	4.0			445.3	14.0			1319.2	28.0			2496.4	168.0			13057.5	112.0			6737.4
TEXT																				
GENERAL (WRITE-UP)	0.5	\$21.96	\$33.71	\$55.67	4.0	\$148.68	\$228.22	\$376.90	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
QUANTITIES	0.5	\$21.96	\$33.71	\$55.67	2.0	\$74.34	\$114.11	\$188.45	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
SUBTOTAL HOURS	15.0			\$1,670.06	42.0			\$3,957.49	78.0			\$6,954.16	672.0			\$52,229.92	472.0			\$28,393.42

LOUISIANA HURRICANE PROTECTION FEASIBILITY
STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-St. Charles Parish

WORK ITEM	BR CHIEF(GS14/5)				FTL(GS13/5)				TECH MGR(GS12/9)				STRUC ENGR(GS12/5)				CADD TECH(GS10/5)			
	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price
DESIGN EFFORT		\$43.92	\$67.42	\$111.34		\$37.17	\$57.06	\$94.23		\$35.17	\$53.99	\$89.16		\$30.66	\$47.06	\$77.72		\$23.73	\$36.43	\$60.16
Bayou Trepagnier																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Goodhope																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Cross Bayou																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
St. Rose, Sta 328+50 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Alameda Canal, Sta 411+73 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
Walker/Parish Line Canal																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
I-310 Interchange																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
RR gate, Sta 502+77.43 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	8	\$189.84	\$291.40	\$481.24
MODIFICATION OF EXISTING GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	4.0	\$140.68	\$215.94	\$356.62	16	\$490.56	\$753.01	\$1,243.57	24	\$569.52	\$874.21	\$1,443.73
	1.0			111.3	2.0			188.5	8.0			713.2	32.0			2487.1	32.0			1925.0
TEXT																				
GENERAL (WRITE-UP)	0.5	\$21.96	\$33.71	\$55.67	4.0	\$148.68	\$228.22	\$376.90	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
QUANTITIES																				
QUANTITIES	0.5	\$21.96	\$33.71	\$55.67	2.0	\$74.34	\$114.11	\$188.45	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
SUBTOTAL HOURS	9.0			\$1,002.03	22.0			\$2,072.97	68.0			\$6,062.60	336.0			\$26,114.96	256.0			\$15,399.82

LOUISIANA HURRICANE PROTECTION FEASIBILITY
STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-Orleans Parish-Butterfly Gates at Canal Openings

WORK ITEM	BR CHIEF(GS14/5)				FTL(GS13/5)				TECH MGR(GS12/9)				STRUC ENGR(GS12/5)				CADD TECH(GS10/5)			
	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price
DESIGN EFFORT		\$43.92	\$67.42	\$111.34		\$37.17	\$57.06	\$94.23		\$35.17	\$53.99	\$89.16		\$30.66	\$47.06	\$77.72		\$23.73	\$36.43	\$60.16
17th Street Canal-Butterfly Alternative	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$1,295.66	\$2,139.74	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
17th Street Canal to Orleans Canal Levee & Floodwall																				
Lake Avenue-4 gates																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Pontchartrain Drive FG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Lakeshore Drive BRG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Topaz St. FG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	4.0			445.3	8.0			753.8	16.0			1426.5	192.0			14922.8	128.0		7699.9	
Orleans Avenue-Butterfly Alternative	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$1,295.66	\$2,139.74	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Orleans Avenue Canal to London Ave Canal																				
Marconi Dr. FG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0		1925.0	
Bayou St. John																				
Bayou St. John CS, Modification	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$1,295.66	\$2,139.74	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Bayou St. John Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Orleans Lakefront Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	11.0			1224.7	22.0			2073.0	36.0			3209.6	184.0			14301.1	176.0		10587.4	
London Ave Canal-Butterfly Alternative	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$1,295.66	\$2,139.74	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
London Ave Canal to IHNC-Ponchartrain Beach																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0		1925.0	
London Ave Canal to IHNC-Leroy Johnson near Seabrook																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0		1925.0	
London Ave Canal to IHNC-Leroy Johnson at Reserve Base																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0		1925.0	
Seabrook CS																				
MODIFICATION OF EXISTING CONTROL STRUCTURE	4	\$175.68	\$269.67	\$445.35	8.0	\$297.36	\$456.45	\$753.81	16.0	\$562.72	\$863.78	\$1,426.50	32	\$981.12	\$1,506.02	\$2,487.14	40	\$949.20	\$1,457.02	\$2,406.22

LOUISIANA HURRICANE PROTECTION FEASIBILITY STUDY
 PROJECT MANAGEMENT PLAN (PMP)
 STRUCTURES BRANCH
 ALTERNATIVE E-1
 HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-Orleans Parish, Raise the Flood Protection

WORK ITEM	BR CHIEF(GS14/5)				FTL(GS13/5)				TECH MGR(GS12/9)				STRUC ENGR(GS12/6)				CADD TECH(GS10/5)			
	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price
DESIGN EFFORT		\$43.92	\$67.42	\$111.34		\$37.17	\$57.06	\$94.23		\$35.17	\$53.99	\$89.16		\$30.66	\$47.06	\$77.72		\$23.73	\$36.43	\$60.16
17th Street Canal																				
RR Gate at Vets Bridge		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Floodproofing I-10	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Floodproofing Vets	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Floodproofing Hammond Hw	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
PS #6 Twall																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
17th street West Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	26.0			2894.8	52.0			4899.7	80.0			5905.2	216.0			16788.2	304.0			18287.3
17th Street Canal to Orleans Canal Levee & Floodwall																				
Lake Avenue-4 gates																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Pontchartrain Drive FG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Lakeshore Drive BRG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Topaz St. FG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	4.0			445.3	8.0			753.8	16.0			1181.0	192.0			14922.8	128.0			7699.9
Orleans Avenue Canal																				
Orleans Ave Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
PS #7 Twall																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Floodproofing REL @ Orleans Ave Canal	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Floodproofing Filmore @ Orleans Ave Canal	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Floodproofing Harrison @ Orleans Ave Canal	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
	25.5			2839.1	51.0			4805.5	78.0			5757.6	192.0			14922.8	288.0			17324.8
Orleans Avenue Canal to London Ave Canal																				
Marconi Dr. FG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			295.3	48.0			3730.7	32.0			1925.0

Bayou St. John																				
Bayou St. John CS, Modification	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Bayou St. John Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Orleans Lakefront Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	9.0			1224.7	22.0			2073.0	36.0			2657.3	184.0			14301.1	176.0			10587.4
London Ave Canal																				
London Ave. Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
PS #4 Twall																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
PS #3 Twall																				
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Floodproofing Leon C. Simon @ London Ave	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Floodproofing REL @ London Ave Canal	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Floodproofing Filmore @ London Ave Canal	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
Floodproofing Harrison @ London Ave Canal	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$927.48	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
	33.5			3729.8	67.0			6313.1	102.0			7529.1	232.0			18031.8	368.0			22137.2
London Ave Canal to IHNC-Ponchartrain Beach																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			295.3	48.0			3730.7	32.0			1925.0
London Ave Canal to IHNC-Leroy Johnson near Seabrook																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			295.3	48.0			3730.7	32.0			1925.0
London Ave Canal to IHNC-Leroy Johnson at Reserve Base																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$77.29	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			295.3	48.0			3730.7	32.0			1925.0
Seabrook CS																				
MODIFICATION OF EXISTING CONTROL STRUCTURE	4	\$175.68	\$269.67	\$445.35	8.0	\$297.36	\$456.45	\$753.81	16.0	\$562.72	\$618.32	\$1,181.04	32	\$981.12	\$1,506.02	\$2,487.14	40	\$949.20	\$1,457.02	\$2,406.22

LOUISIANA HURRICANE PROTECTION FEASIBILITY
STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-Orleans Parish(NO East)

WORK ITEM	BR CHIEF(GS14/5)				FTL(GS13/5)				TECH MGR(GS12/9)				STRUC ENGR(GS12/5)				CADD TECH(GS10/5)			
	Manhours	Direct Hourly	Overhead	Total Salary	Manhours	Direct Hourly	Overhead	Total Salary	Manhours	Direct Hourly	Overhead	Total Salary	Manhours	Direct Hourly	Overhead	Total Salary	Manhours	Direct Hourly	Overhead	Total Salary
		Salary	1.54	Price		Salary	1.54	Price		Salary	1.54	Price		Salary	1.54	Price		Salary	1.54	Price
DESIGN EFFORT																				
IHNC East Levee:		\$43.92	\$67.42	\$111.34		\$37.17	\$57.06	\$94.23		\$35.17	\$53.99	\$89.16		\$30.66	\$47.06	\$77.72		\$23.73	\$36.43	\$60.16
Betw. Hayne Blvd and Dwyer Rd		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Betw. Hayne Blvd and Dwyer Rd																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Dwyer and Jourdan Rd.																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Old Gentilly Rd.																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
RR near Old Gentilly																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Near Almonaster																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Plant Rd and Jourdan Rd.																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Betw. Almonaster and MRGO(2 gates)																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Jourdan Rd Terminal																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Iwalls																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Dwyer Rd. Pump Sta.																				
MODIFICATION OF EXISTING PS	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$1,295.66	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
17.5				1948.4	35.0			3297.9	62.0			5006.1	496.0			38550.7	384.0			23099.7

New Orleans Airport to South Point

Hayne Blvd																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Hayne Blvd Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Betw. Leroy Grumman & Hayne																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Leroy Grumman																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Crosses Road on Northside of Seabrook Bridge																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Downman and Lakeshore/Casino Blvd																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
St Charles PS Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Citrus PS Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Jahncke PS Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Collins PL Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
South Point DS																				
MODIFICATION OF EXISTING DS	8	\$351.36	\$539.34	\$890.70	16.0	\$594.72	\$912.90	\$1,507.62	24.0	\$844.08	\$1,295.66	\$1,771.56	40	\$1,226.40	\$1,882.52	\$3,108.92	80	\$1,898.40	\$2,914.04	\$4,812.44
	15.5			835.0	15.0			1413.4	30.0			2214.4	360.0			27980.3	240.0			14437.3

Bayou Sauvage																				
L&N RR tracks																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Hwy 90																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Hwy 11																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Sta. 665+00 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Sta. 799+00 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Sta. 927+00 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Sta. 1054+50 B/L																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	7.0		779.4	14.0			1319.2	28.0				2066.8	336.0			26115.0	224.0		13474.8	
Citrus Back along MRGO/GIWW																				
Dock Board wharf																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Michoud steam electric station																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$147.63	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
East bank Michoud canal(18 GATES)																				
MODIFICATION OF EXISTING "I" WALL	3.0	\$131.76	\$202.25	\$334.01	4.0	\$148.68	\$228.22	\$376.90	8.0	\$281.36	\$431.89	\$590.52	40	\$1,226.40	\$1,882.52	\$3,108.92	60	\$1,423.80	\$2,185.53	\$3,609.33
MODIFICATION OF EXISTING "T" WALL & GATE	3.0	\$131.76	\$202.25	\$334.01	4.0	\$148.68	\$228.22	\$376.90	8.0	\$281.36	\$431.89	\$590.52	40	\$1,226.40	\$1,882.52	\$3,108.92	60	\$1,423.80	\$2,185.53	\$3,609.33
	8.0		890.7	12.0			1130.7	24.0				1771.6	176.0			13679.3	184.0		11068.6	
TEXT																				
GENERAL (WRITE-UP)	0.5	\$21.96	\$33.71	\$55.67	4.0	\$148.68	\$228.22	\$376.90	2.0	\$70.34	\$107.97	\$147.63	40	\$1,226.40	\$1,882.52	\$3,108.92				
QUANTITIES	0.5	\$21.96	\$33.71	\$55.67	2.0	\$74.34	\$114.11	\$188.45	2.0	\$70.34	\$107.97	\$147.63	40	\$1,226.40	\$1,882.52	\$3,108.92				
SUBTOTAL HOURS	#REF!			#REF!	#REF!			#REF!	#REF!				#REF!	#REF!			#REF!	#REF!		#REF!

LOUISIANA HURRICANE PROTECTION FEASIBILITY
STUDY
PROJECT MANAGEMENT PLAN (PMP)
STRUCTURES BRANCH
ALTERNATIVE E-1
HURRICANE CATEGORY 4 LEVEL

STRUCTURE REACHES-St Bernard Parish

WORK ITEM	BR CHIEF(GS14/5)				FTL(GS13/5)				TECH MGR(GS12/9)				STRUC ENGR(GS12/5)				CADD TECH(GS10/5)			
	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price	Manhours	Direct Hourly Salary	Overhead 1.54	Total Salary Price
DESIGN EFFORT																				
FLORIDA AVENUE																				
Florida Ave FG		\$43.92	\$67.42	\$111.34		\$37.17	\$57.06	\$94.23		\$35.17	\$53.99	\$89.16		\$30.66	\$47.06	\$77.72		\$23.73	\$36.43	\$60.16
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$0.00	\$0.00	\$0.00	1.0	\$0.00	\$0.00	\$0.00	2.0	\$0.00	\$0.00	\$0.00	24	\$0.00	\$0.00	\$0.00	16	\$0.00	\$0.00	\$0.00
Florida Ave , RR Gate		\$21.96	\$33.71	\$55.67		\$37.17	\$57.06	\$94.23		\$70.34	\$107.97	\$178.31		\$735.84	\$1,129.51	\$1,865.35		\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Florida Ave Iwall		\$21.96	\$33.71	\$55.67		\$37.17	\$57.06	\$94.23		\$70.34	\$107.97	\$178.31		\$735.84	\$1,129.51	\$1,865.35		\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.5			167.0	3.0			282.7	6.0			534.9	72.0			5596.1	48.0			2887.5
PARISH ROAD																				
Parish Road gate																				
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Parish Road Iwall		\$21.96	\$33.71	\$55.67		\$37.17	\$57.06	\$94.23		\$70.34	\$107.97	\$178.31		\$735.84	\$1,129.51	\$1,865.35		\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0			1925.0
BAYOU Bienvenue																				
Newport Gate																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "T" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
Bayou Bienvenue CS																				
MODIFICATION OF EXISTING CS	1.0	\$43.92	\$67.42	\$111.34	2.0	\$74.34	\$114.11	\$188.45	4.0	\$140.68	\$215.94	\$356.62	32	\$981.12	\$1,506.02	\$2,487.14	40	\$949.20	\$1,457.02	\$2,406.22
Bayou Bienvenue Iwall		\$21.96	\$33.71	\$55.67		\$37.17	\$57.06	\$94.23		\$70.34	\$107.97	\$178.31		\$735.84	\$1,129.51	\$1,865.35		\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	2.5			278.3	5.0			471.1	10.0			891.6	104.0			8083.2	88.0			5293.7

BAYOU Dupre																				
Bayou Dupre CS																				
MODIFICATION OF EXISTING CS	1.0	\$43.92	\$67.42	\$111.34	2.0	\$74.34	\$114.11	\$188.45	4.0	\$140.68	\$215.94	\$356.62	32	\$981.12	\$1,506.02	\$2,487.14	40	\$949.20	\$1,457.02	\$2,406.22
Bayou Dupre Iwall																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.5			55.7	1.0			94.2	2.0			178.3	24.0			1865.4	16.0			962.5
Verret FG																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "I" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0			1925.0
PS 8																				
MODIFICATION OF EXISTING PS	1.0	\$43.92	\$67.42	\$111.34	2.0	\$74.34	\$114.11	\$188.45	4.0	\$140.68	\$215.94	\$356.62	32	\$981.12	\$1,506.02	\$2,487.14	40	\$949.20	\$1,457.02	\$2,406.22
Creedmore DS																				
MODIFICATION OF EXISTING DS	1.0	\$43.92	\$67.42	\$111.34	2.0	\$74.34	\$114.11	\$188.45	4.0	\$140.68	\$215.94	\$356.62	32	\$981.12	\$1,506.02	\$2,487.14	40	\$949.20	\$1,457.02	\$2,406.22
Caernarvon (2 gates)																				
MODIFICATION OF EXISTING "I" WALL	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
MODIFICATION OF EXISTING "I" WALL & GATE	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	16	\$379.68	\$582.81	\$962.49
	1.0			111.3	2.0			188.5	4.0			356.6	48.0			3730.7	32.0			1925.0
Caernarvon FWD																				
MODIFICATION OF EXISTING FWD	0.5	\$21.96	\$33.71	\$55.67	1.0	\$37.17	\$57.06	\$94.23	2.0	\$70.34	\$107.97	\$178.31	24	\$735.84	\$1,129.51	\$1,865.35	24	\$569.52	\$874.21	\$1,443.73
TEXT																				
GENERAL (WRITE-UP)	0.5	\$21.96	\$33.71	\$55.67	4.0	\$148.68	\$228.22	\$376.90	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
QUANTITIES	0.5	\$21.96	\$33.71	\$55.67	2.0	\$74.34	\$114.11	\$188.45	2.0	\$70.34	\$107.97	\$178.31	40	\$1,226.40	\$1,882.52	\$3,108.92				
SUBTOTAL HOURS	#REF!			#REF!	#REF!			#REF!	#REF!			#REF!	#REF!			#REF!	#REF!			#REF!