Government Estimate of Reasonable Modification Costs

Lake Pontchartrain, LA and Vicinity, HLP, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Blvd. Floodwall, Orleans Parish, LA

DACW29-94-C-0079

CIN 05: Close Gaps to Elevation 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37
Definitization of UCO-01

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS FOOT OF PRYTANIA STREET NEW ORLEANS, LOUISIANA

COMMANDER: Kenneth H. Clow, Colonel, CE

Renaed

DATE OF ESTIMATE: 14 September 1995

ESTIMATOR: Donna Urban

FOR OFFICIAL USE ONLY

REASONABLE CONTRACT ESTIMATE WORKSHEET

PROJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, London Ave. Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Blvd. Floodwall, Orleans Parish, LA

SUBJECT: Emergency Flood Closures - Close Gaps to Elevation 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37, Definitization of UCO-01

Plan of Operations

This modification provides for the installation and removal of emergency closures on the west side of the canal in the vicinity of Robert E. Lee Blvd. and from sta. 109+53 to sta. 108+37 due to Hurricane Erin.

Commencing on July 31, 1995, the following work was performed in preparation of Hurricane Erin.

INSTALLATION

- Pulled up new sheet piles in the vicinity of WB/L Sta. $119+65\pm$ up to Elev. +11.5' from Elev. +5.75' (7/31/95)
- Pulled up 6 pieces of new sheet pile between WB/L Stas. 108+93 and 108+82 to an elevation of +11.5' from Elev. +5.75' (7/31/95)
- Knocked down the existing concrete cap from between WB/L Stas. 108+10 and 108+45 because these piles were already cut at Elev. +6.75'. (7/31/95)
- Pulled up 22 pieces of CZ-101 x 21'-9" pile, up to Elev. +11.5', between WB/L Stas. 108+40 and 108+82. (8/1/95)
- Attached 1-3"x3" angle iron with rubber seal to W. Monolith #134 (WB/L Sta. 108+95) with anchor bolts (12" O.C.) (8/1/95)
- Drove 2 pieces of CZ-101x 21'-9" piles between existing piles and new piles to make closure at WB/L Sta. 108+40. (8/1/95)
- Partially welded 1 3"x3" angle iron to sheet piles at WB/L Sta. 109+63. (8/1/95)
- Pulled up 15 pieces of CZ-101 x 21'-9" between W. Monoliths #134 and #136 to approximate Elev. +11.0'. (8/1/95)

Plan of Operations (Continued)

INSTALLATION (Continued)

- Completed closure between new I-Wall and old concrete cap in vicinity of WB/L Sta. 119+65±. (8/1/95)
- Sandbagged on protected side of closure at WB/L Sta. 119+65± to Elev. +6.5'. (8/1/95)
- Welded up holes in sheet pile that were previously cut out for resteel installation. (8/1/95)
- Welded sheet piles to angle irons at closure tie-ins. (8/1/95)
- Installed 2 3" angle irons with rubber seals (1 at 109+24 and 1 at 109+53). (8/2/95)
- Welded 100% angle iron to sheet pile at WB/L Sta. 108+95. (8/2/95)
- Pulled up 15 pieces of CZ-101 piles to Elev. +11.5' between WB/L Sta. 109+24 to 109+53. (8/2/95)
- Placed visqueen and sandbags at all tie-ins. (8/2/95)

REMOVAL

Commencing on August 4, 1995, the following work was performed after being directed by the Area Engineer to remove the gap closure:

- Removed the breach closures between WB/L stas. 108+40 and 109+53. (8/4/95)
- Removed 1 foot of backfilled material from protected side of sheet piles between WB/L stas. 108+40 and 108+95 and 109+24 and 109+53. (8/4/95)
- Redrove 46 pieces of CZ-101 x 21'-9" pile to a top Elev. +5.75' from +11.5'. (8/4/95)
- Removed sandbags and visqueen from WB/L Stas. 109+53, 109+24, 108+95 and 108+40±. (8/4/95)
- Removed plugs to cover resteel holes in sheet piles. (8/4/95)
- Replaced all resteel and rewelded #6 rebars to the tops of sheet piles for west monoliths #132, #133 and #135 for cathodic protection. (8/7/95)

Plan of Operations (Continued)

REMOVAL (Continued)

• Reshot correct elevations for permanent sheet piles that were redriven to final grade of +5.75', between WB/L stas. 108+40 to 109+53. (8/8/95)

Labor & Equipment

When preparing the Government estimate, it was determined that in some instances the labor hours exceeded the equipment hours. In these instances, the difference in the hours between the labor and equipment was expended filling sandbags.

Remaining Work

• In the vicinity of sta. 119+65, welds and angle irons will be removed, and sheet piles will be redriven to Elev. +5.75'

Reasonable Contract Estimate

Project:

DACW29-94-C-0079, C1N 05

Description: Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37

Worksheet	Description	Estimated	Unit	Unit	Estimated
no.		Quantity		Price	Amount
1	Emergency Flood Protection	1	LS	\$18,905.53	\$18,905.53
2	Redrive piling, remove welds and angle iron at Sta. 119+65	1	LS	\$1,078.69	\$1,078.69
3	FOOH	3	DAY	\$958.08	\$2,874.24
				Total:	\$22,858.4
		Estimator	DMU	Date:	
	DONNA M. ORBAN JULIAN	Checker	: јм	Date	

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Reasonable Contract Estimate - Detail Summary Sheet:

Project:
DACW29-94-C-0079, CIN 05
Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37

Bid Item			Equip	Mob &	Labor	Matils	Supply	Sub	Dist	Total	Unit	Amount
Designation	Qty	Unit		Demob				Total	24.21%	Cost	Cost	
Emergency Flood Protection	1	LS	\$4,524.19		\$8,281.33	\$1,757.19	\$657.50	\$15,220.21	\$3,685.32	\$18,905.53	\$18,905.53	\$18,905.53
Redrive piling, remove welds and angle iron at Sta. 119+65	1	LS	\$366.24		\$502.18			\$868.42	\$210.27	\$1,078.69	\$1,078.69	\$1,078.69
FOOH /	3	DAY						\$771.32	\$186.76	\$958.08	\$958.08	\$2,874.24
Overhead	13.90%											
Profit Bond Total:	7.98% 1.00% 24.21%											
Totals			\$4,890.43		\$8,783.51	\$1,757.19	\$657.50	\$16,859.94	\$4,082.35	\$20,942.29		\$22,858.46

Reasonable Contract Estimate Worksheet - Equipment and Labor

Project:
DACW29-94-C-0079, CIN 05
Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+87

Unit of Equipme	ent		No.	Hours	Rate	Amount
					- Aute	Amount
Mantis 3612 Crane	(Rented)(\$6,540/month) plus of	perating costs	1	24	37.16	891.84
Komatsu 200 Backh			1	30	34.87	1,046.10
MKT Geotechnical	V-5 Vibratory Hammer w/pov	wer pack	1	17	26.94	457.98
Case 580C loader/b	ackhoe		1	22	10.93	240.46
Tractor/Trailer (Lo	wboy), 35 ton, 2 axle		l îl	8	4.55	36.40
Multi Quip 170 amp	Welder		1	25.5	1.56	39.78
Komatsu D37P Doz	=		1	13	16.25	211.25
Blade for Komatsu			1	13	2.19	28.47
	, 50,000 GVW, 3 axle, 240 hp)	1	8	25.37	202.96
Koehring 535 Crane	;		1	4	35.11	140.45
Standby						
Case 580C loader/b			1	2	2.93	5.86
Komatsu D37P Doz			1	2	3.90	7.80
Koehring 535 Crane	;		1	16	11.29	180.59
Operating Costs						
Mantis 3612 Crane			1	24	24.30	583.20
Welder			i	25.5	1.45	36.98
Subtotal:	Na1.111				'	4,110.12
Mobilization and E Small Tools:		.00% of labor:				44.55
Total Equipment C		.00% OT IAOOF:				414.07 4,524.19
	Labor		No.	Hours	Rate	Amount
Carpenter Foreman		<i>(10)</i> () = ====	1	29	24.70	716.39
PEO Dozer & Back	noe	(KOMATSU)	1	26	22.05	573.22
Truck Driver PEO Crane			1	8	17.19	137.50
PEO Crane PEO Crane	(Overtime)			30	25.00 34.80	750.00
Cement Finisher	(Overune)		1 1	12	23.28	104.40 279.38
Cement Finisher	(Overtime)		1	2.5	32.41	81.03
Laborer	(- · • · • · · · · · · · · · · · · · · ·		l il	2.5	17.19	412.50
Laborer			l il	26	12.50	325.00
Laborer			l il	20	12.50	250.00
Laborer	(Overtime)		2	2.5	17.00	85.00
Laborer			1	22	11.78	259.19
Laborer	(Overtime)		1	1.5	16.40	24.60
Laborer	(0		1	31	12.50	387.50
Laborer Carpenter	(Overtime)		1	0.5	16.40	8.20
Carpenter Carpenter	(Overtime)		2 2	28 5.5	23.14 32.20	1,295.88 354.20
PEO Backhoe	(Crettine)	(CASE 580C)	1	26	16.20	421.28
PEO Backhoe	(Overtime)	(0.102 5000)	l il	3.5	22.55	78.93
Carpenter	(/		il	26	23.14	601.66
Carpenter	(Overtime)		1	5.5	32.22	177.21
Cement Finisher			1	14	23.28	325.94
Cement Finisher	(Overtime)		1	1	32.41	32.41
Iron Worker Forem	an		1	6	39.06	234.38
Iron Worker			2	6	24.64	295.69
PEO Pile Driver			1	2 2	23.14	46.28
Laborer			1	2	11.78	23.56
				Į		
Total Labor Cost:	nd labor.					8,281.33
Total equipment a Remarks:	nu iador:	Date:	14 Sep 95		Estimator:	12,805.52 DMU
The state of the s		D 4101			Checker:	JM
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DACW29-94-C-0079, CIN 05 LABOR & EQUIPMENT HOURS Item #1, Emergency Flood Protection

LABOR

	7/31/95	8/1/95	8/2/95	8/3/95	8/4/95	8/7/95	8/8/95	TOTAL HOURS
Supt.(Tassin) (SALARIED)	4	11	11	2	6	4		40 40
CQC (Justice) (SALARIED)	4	9	5.5	2	6	0	2	28.5
Carp. Foreman (Verdun)	0	11	7	2	6	3	0	29
Operator (Backhoe, Dozer) (Comeaux)	4	8	0	0	6	6	2	26
Truck Driver (Harper)	_ 4	0	0	0	0	4	0	8
Operator (Crane) (Leonard)	4	8	7	_ 2	6	3	0	30
Cement Finisher (Lee)	4	8	0	0	0	0	0	12
Labor (8.00) (Jackson)	4	8	0	2	6	6	0	26
Labor (11.00) (Thome)	4	8	4	2	6	0	0	24
Labor (8.00) (Dillon)	4	8	0	2	6	0	0	20
Carpenter (Brown)	4	8	8	2	6	0	0	28
Carpenter (Turgeau)	4	8	8	2	6	0	0	28
Labor (7.54) (Thompson)	4	8	8	2	0	0	0	22
Labor (7.54) (Bailey)	4	8	8	2	6	3	0	31
Operator (Backhoe) (Audibert)	4	8	8	0	6	0	0	26
Cement Finisher (Jones)	4	8	0	2	0	0	0	14
Carpenter (Delaune)	4	8	8	0	6	0	0	26
Ironworker Foreman (J. Dunnam)	0	2	0	0	0	4	0	6
Iron Worker (C. Dunnam)	0	2	0	0	0	4	0	6
Iron Worker (M. Dunnam)	0	2	0	0	0	4	0	6
Pile Driver (Thibodaux)	0	0	0	0	0	0	2	2
Labor (7.54) (Rodi)	0	0	0	0	0	0	2	2
Operator (Crane) (Audibert)	0	0	0	0	0	0	2	2

OVERTIME

	7/31/95	8/1/95	TOTAL
			HOURS
Operator (Crane) (Leonard)	3	0	3
Cement Finisher (Lee)	2.5	0	2.5
Labor (8.00) (Jackson)	2.5	0	2.5
Labor (8.00) (Dillon)	2.5	0	2.5
Carpenter (Brown)	2.5	3	5.5
Carpenter (Turgeau)	2.5	3	5.5
Labor (7.54) (Thompson)	0.5	1	1.5
Labor (7.54) (Bailey)	0.5	0	0.5
Operator (Backhoe) (Audibert)	1	2.5	3.5
Cement Finisher (Jones)	1	0	1
Carpenter (Delaune)	2.5	3	5.5

EQUIPMENT

EGOII INC.III									
	7/31/95	8/1/95	8/2/95	8/3/95	8/4/95	8/7/95			STANDBY HOURS
Mantis 3612 Crane (Rented)	4	8	5	0	6	1	0	24	0
Komatsu 200 Backhoe (#1)	4	8	6	2	5	2	_ 2	29	0
MKT V-5 Vibratory Hammer w/ Power Pack	4	4	3	0	6	0	0	17	0
Case 580C Loader/Backhoe	2	4	8	_ 2	5	1	0	22	2
Komatsu D37P Dozer	2	4	4	0	3	0	0	13	2
Tractor/Trailer (Lowboy)	4	0	0	0	0	4	0	8	0
Multi-Quip 170 amp Welder	4	10.5	11	0	0	0	0	25.5	0
Komatsu 200 Backhoe (#2)	0	0	0	0	0	1	0	1	0

Reasonable Contract Estimate Worksheet - Material and Supplies

Project:
DACW29-94-C-0079, CIN 05
Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37

Material	Unit	Quantity	Price	Amount
Sandbags	EA	500	0.23	115.00
Sand (Mason)	CY	25	20.00	500.00
Visqueen (20' X 100')	ROLL	1	57.00	57.00
CZ-101 x 21'-9" sheetpiling (2 pcs)	SF	157	5.80	910.60
Anchor Bolts	EA	50	0.59	29.50
				•
Sales Tax			9.00%	145.09
			Total	1,757.19
Supplies	Unit	Quantity	Totai Price	1,757.19 Amount
Supplies Sam Lloyd Welding Service (invoiced for 10 hrs)	Unit	Quantity 1		
			Price	Amount
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	Price 357.50	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1	957.50 300.00	Amount 357.50
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop;	LS	1 1	957.50 300.00	Amount 357.50 300.00
Sam Lloyd Welding Service (invoiced for 10 hrs) Angle Iron, 60 LF, 3"x3"x1/4"; 25# Welding Rods; 20' 3-Bulb Waterstop; Sinkoflex (15 pcs)	LS	1	957.50 300.00	Amount 357.50 300.00

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Reasonable Contract Estimate Worksheet - Equipment and Labor

Project:
DACW29-94-C-0079, CIN 05
Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37

Unit of Equipment Redrive pilings, remove welds & angle irons MKT Geotechnical V-5 Vibratory Hammer w/power pack Multi Quip 170 amp Welder Truck, International, 50,000 GVW, 3 axle, 240 hp Tractor/Trailer (Lowboy), 35 ton, 2 axle Mantis 3612 Crane (Rented)(\$6,540/month) Case 580C loader/backhoe Koehring 535 Crane Subtotal: Mobilization and Demobilization:	1 1 1 1 1 1	1 4 4 4 2 4 2	26.94 1.56 25.37 4.55 37.16 10.93 35.11	26.94 6.24 101.48 18.20 74.32 43.72 70.23
MKT Geotechnical V-5 Vibratory Hammer w/power pack Multi Quip 170 amp Welder Truck, International, 50,000 GVW, 3 axle, 240 hp Tractor/Trailer (Lowboy), 35 ton, 2 axle Mantis 3612 Crane (Rented)(\$6,540/month) Case 580C loader/backhoe Koehring 535 Crane	1 1 1 1	4 4 4 2 4	1.56 25.37 4.55 37.16 10.93	6.24 101.48 18.20 74.32 43.72
Multi Quip 170 amp Welder Truck, International, 50,000 GVW, 3 axle, 240 hp Tractor/Trailer (Lowboy), 35 ton, 2 axle Mantis 3612 Crane (Rented)(\$6,540/month) Case 580C loader/backhoe Koehring 535 Crane	1 1 1 1	4 4 4 2 4	1.56 25.37 4.55 37.16 10.93	6.24 101.48 18.20 74.32 43.72
Truck, International, 50,000 GVW, 3 axle, 240 hp Tractor/Trailer (Lowboy), 35 ton, 2 axle Mantis 3612 Crane (Rented)(\$6,540/month) Case 580C loader/backhoe Koehring 535 Crane	1 1 1 1	4 4 2 4	25.37 4.55 37.16 10.93	101.48 18.20 74.32 43.72
Tractor/Trailer (Lowboy), 35 ton, 2 axle Mantis 3612 Crane (Rented)(\$6,540/month) Case 580C loader/backhoe Koehring 535 Crane	1	4 2 4	4.55 37.16 10.93	18.20 74.32 43.72
Mantis 3612 Crane (Rented)(\$6,540/month) Case 580C loader/backhoe Koehring 535 Crane Subtotal:	1	4	10.93	43.72
Case 580C loader/backhoe Koehring 535 Crane Subtotal:	- 1	4		
Koehring 535 Crane Subtotal:	1	2	35.11	70.23
Mobilization and Demobilization:				341.13
Small Tools: 5.00% of labor:				25.11
Total Equipment Cost:				366.24
LaborN	lo.	Hours	Rate	Amount
Carpenter Foreman	1	4	24.70	98.81
PEO Dozer & Backhoe	1	2	22.05	44.09
PEO Crane	ī	2	25.00	50.00
Laborer	1	8	12.50	100.00
Truck Driver	1	4	17.19	68.75
Carpenter	i	2	23.14	46.28
Laborer	1	8	11.78	94.25
Laborer	- 1	Ĭ		
		l		
ì				
			1	
\				
<u>-</u>				502.18
Total Labor Cost:				868.42
Total Labor Cost: Total equipment and labor:			F 4" . 4	DMI
Total equipment and labor: Remarks: Date:	\ug 95		Estimator: Checker:	DMU JM

DACW29-94-C-0079, CIN 05 LABOR & EQUIPMENT HOURS Item #2, Redrive Pilings, remove welds and angle iron at Sta. 119+65

LABOR

	TOTAL HOURS
Carpenter-Foreman (Verdun)	4
Operator (Comeau)	2
Operator (Leonard)	2
Laborer (Jackson)	8
Truck Driver (Harper)	4
Carpenter (Turgeau)	2
Laborer (Bailey)	8

EQUIPMENT

	TOTAL
	TOTAL
	HOURS
Truck	4
Tractor/Trailer (Lowboy)	4
MKT V-5 Vibratory Hammer w/ Power Pack	1
Multi-Quip 170 amp Welder	4
Mantis 3612 Crane	2
Case 580C Loader/Backhoe	4
Koehring 535 Crane	2

DISTRIBUTED COST Field Office Overhead

	Field Office Overnead		- A ware		
Occupation	Designation	No.	Day	Rate (Day)	Amount
	Superintendent	1	1	200.00	\$200.00
	QC Manager	1	1	160.00	\$160.00
	Draftsman				
	Rodman, Chainman				
	Clerk]	
	Timekeeper				
	Mechanic				
	Truck Driver				
	Guards, Janitor	1	1	60.00	\$60.00
	Foreman				
		<u> </u>			\$420.00
Comp. & Lia. Ins., Soc. Sec. & State Ins.			45.00%		\$189.00
		Subtotal:			\$609.00
_	Plant				
Rate includes rental	Automobile				
operating supplies,	Truck, stake				
field repairs	Truck, pickup	2	1	20.00	\$40.00
	Skiffboat				
	Deck Barge				
	Crew Boat				
		Subotal:			\$40.00
	Miscellaneous				
Field office expenses: office, first aid,			1	50.00	\$50.00
and safety supplies: communications					
electricity, fuel ice					
Maintenance, insurance on buildings					
Travel, living expenses, services					
Power to operate pumps and for job lights		1			
Interest on operating capital					
Env. Prot. \$12.32 X 1 Hr/Day			1	12.32	\$12.32
		Subtotal:			\$62.32
	Facilities			_	
Offices, warehouses, shops, or hosp. facilities					
Radio Telephones					\$40.00
Port-O-Let					\$20.00
		Subtotal:			\$60.00
	Field Office Overhead:				\$771.32

Wage Rate Calculations

Project:

DACW29-94-C-0079, CIN 05

Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37

Location:

Operational Shifts:

Estimator:

DMU

Checker:

JM

		Over	time		Taxes	& Ins				
Craft Description	Basic hourly rate	Mult of (b)	Amt. (b x c)	Sub total (b + d)	% of (e)	Amt. (e x f)	Sub total (e + g)	Fringe Benefits	Travel or Subsist	Total Cost (h+i+j)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Carpenter Foreman PEO Dozer & Backhoe Truck Driver PEO Crane Cement Finisher Laborer Laborer Laborer Carpenter PEO Backhoe Iron Worker PEO Pile Driver	15.81 14.11 11.00 16.00 14.90 11.00 8.00 7.54 14.81 10.37 25.00 15.77 14.81			15.81 14.11 11.00 16.00 14.90 11.00 8.00 7.54 14.81 10.37 25.00 15.77 14.81	0.5625 0.5625 0.5625 0.5625 0.5625 0.5625 0.5625 0.5625 0.5625 0.5625 0.5625	8.89 7.94 6.19 9.00 8.38 6.19 4.50 4.24 8.33 5.83 14.06 8.87 8.33	22.05 17.19 25.00 23.28 17.19 12.50 11.78 23.14 16.20 39.06 24.64			24.70 22.05 17.19 25.00 23.28 17.19 12.50 11.78 23.14 16.20 39.06 24.64 23.14

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Equipment Rate Calculations

Project:
DACW29-94-C-0079, CIN 05
Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+37

Location:

Operational Shifts:

Estimator:

DMU

Checker:

JM

Equipment	Unit	Year	Hourly	Owner	Standby	Key	Age Adj	Age Adj	Equip	Shift	DEP	FCCM	Adj	Adj	Adj
Description	No.	New	Rate	Expense	Rate	No.	Factor	Factor	Life				Owner	Hourly	Standby
			(2-1)	(2-1)	(2-1)	(3-1)	(3-1)	(3-2)	(App D)	(3-3)	(2-2)	(2-2)	Expense	Rate	Rate
Komatsu 200 Backhoe	H25KM003		34.87	18.36	11.02	H25	1	,	8,000	1.00	14.69	3.67	18.36	34.87	11.02
	P30MK001		26,94	10.95		-	1	1	6,000	1.00	7.61	1.79	10.95	26.94	
MICT George initial v 5 violatory 12 marries in positive parties					1	1									
Case 580C loader/backhoe	L50CS002		10.93	4.71	2.93	L50	1	1	10,000	1.00	3.57	1.14	4.71	10.93	
Tractor/Trailer (Lowboy), 35 ton, 2 axle	T45XX013		4.55	2.53	ı		1	1	10,000	1.00	1.83	0.70	2.53	4.55	
Multi Quip 170 amp Welder	W35H0002		1.56	0.19		W35	1	1	8,000	1.00	0.15	0.04	0.19	1.56	
Komatsu D37P Dozer	T15KM002		16.25	6.32		T15	1	1	10,000	1.00	4.84	1.48	6.32	16.25	
Blade for Komatsu D37P	T10KM002 T50		2.19	1.20	I	ı	1	1 1	10,000 8,000	1.00 1.00	0.94 7.36	0.26 1.76	1.20 9.12	2.19 25.37	
Truck, International, 50,000 GVW, 3 axle, 240 hp	C85N0009		25.37 40.36	9.12 22.81	14.47		0.77	0.78	15,000	1.00	16.69	6.12	17.56	35.11	
Koehring 535 Crane	C65140009		40.30	22.61	14.47	C83	0.77	0.78	15,000	1.00	10.09	0.12	17.50	33.11	11.25
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Profit Factor

Prime Contractor

Project:

DACW29-94-C-0079, CIN 05

Estimator:

DMU

Description: Close Gaps to Elev. 11.5 on West Side of Canal and Sta. 109+53 to Sta. 108+3 Checker:

JМ

Factor	Rate	Weight (0.03-0.012)	Value
1. Degree of Risk	20	0.050	1.00%
2. Relative Difficulty of Work	15	0.075	1.13%
3. Size of Job	15	0.120	1.80%
4. Period of Performance	15	0.030	0.45%
5. Contractor's Investment	5	0.075	0.38%
6. Assistance by Government	5	0.120	0.60%
7. Subcontracting	25	0.105	2.63%
·	Profit Factor:	_	7 09%

Reasons for Weights Assigned

1,	
Low Risk; post price	
2.	
Average	
3.	
Less than \$100,000.00	
4.	
No additional time required	
5.	
Average	
6.	
No assistance	
7.	
Subcontracting (20%)	