CELMN-CD-LA 18 Mar 97

MEMORANDUM THRU CELMN-CD-LA (Area Engr, ~~Elguezabal~~)
CELMN-CD-LA (Proj Engr, Siffert)

FOR CELMN-CD-C

SUBJECT: Narrative Completion Report, Contract DACW29-96-C-0065 Coastal Wetlands Planning, Protection and Restoration Act, Clear Marais Shore Protection, Calcasieu Parish Louisiana

A. SIGNIFICANT DATES/NUMBERS

Contract Award:	01 August 1996
Preconstruction Conference:	27 August 1996
Acknowledge NTP:	29 August 1996
Original Completion Date:	25 February 1997 (180 Days)
Revised Completion Date:	08 March 1997
Commencement Date:	13 December 1996
Actual Completion Date:	04 March 1997
Original Contract Amount:	2,694,000.00
Revised Contract Amount:	2,112,231.00

B. Prime Contractor: Luhr Bros.Inc. - Est % of Work - 100%

Subcontractor: None

C. ITEMS OF WORK

DESCRIPTION	EST. QUANT/UNIT	UNIT PRICE	FINAL QUANTITY	% OVER /UNDER
(1) 0001-MOB & DEMOB	Lump Sum	35,000.00	35,000.00	0
(2) 0002-Armor Stone	158,000 Tons	14.00	118,326 Tons	-25.1
(3) 0003-Separator Geotextile	138,000 SY	1.50	120,444 SY	-12.1
(4) 0004-Flotation Channel	Lump Sum	50,000.00	50,000.00	0
(5) 0005-Marker Plates	Lump Sum	190,000.00	190,000.00	0

D. EQUIPMENT

Spud Barge L-1100
- 1) 2 Drum Winch
- 1) 4600 Manitowoc Dragline (L-12255)
- 1) Miller Welding Machine (L-1175W)
- 1) Generator (1286G)
- 1) 14'Alumaweld Skiff
- 1) Rock Bucket (#32)

Spud Barge L-982
- 1) 4600 Manitowoc Dragline (L-12265)
- 1) 2 Drum Winch (L-1218M)
- 1) Generator (L-1094G)
- 1) Miller Welding Machine (L-1107W)
- 1) Rock Bucket (#29)
- 1) Clam Bucket (L-1147)
- 1) 14' Skiff (LWN52463D989)

CELMN-CD-LA 18 Mar 97
SUBJECT: Narrative Completion Report, Contract DACW29-96-C-0065, Coastal Wetlands Planning, Protection and Restoration Act, Clear Marais Shore Protection, Calcasieu Parish, Louisiana

Spud Barge L-980
1) 71-B Bucyrus Erie Dragline
2) Single Winches
1) Lester Lite Plant
1) Miller Welding Machine
1) 12' Aluminum Skiff
1) Rock Bucket (#28)

Spud Barge L-700 (Office Barge)
1) Office Trailer (L-44)
1) Generator (L-1349G)
2) Dirt Buckets (L-1191M & #52415)
1) Clam Bucket (L-827)
1) Single Drum Winch

Spud barge L-406 (Fabric Barge)
4) 8500lb. Capacity Winches

Outboard Motor Boats
LB-23 Survey Skiff W/2 50 HP Mariner Outboards
LB-39 Survey Skiff W/2 90 HP Yamaha Outboards
LB-55 Survey Skiff W/1 75 HP Mercury Outboard

TENDER BOATS
M/V Volunteer 850 HP
M/V George B 460 HP

E. ITEMS OF WORK, START/FINISH/PROGRESS/ETC.

ITEM#	DESCRIPTION	STARTED	FINISHED	PROGRESS
2)	Armor Stone	18 Dec 96	04 Mar 97	Good

Placed stone on dike using 2-4600 Manitowoc draglines and 1 71-B Bucyrus Erie dragline. The contractor had a man on C/L of the dike directing the placement of stone and constantly checking grade and alignment. Final quantity of stone placed in dike was 118,326 tons.

3)	Separator Geotextile	18 Dec 96	28 Feb 97	Good

Geotextile was placed using a 4600 Manitowoc dragline. An iron pipe was slid through the center of the roll of fabric and raised by the dragline and placed over centerline, which had been marked by engineers. The end of the roll was then pinned and held into place. Once the end was secure the operator walked the dragline to the opposite end of the barge, which would completely unroll fabric. The fabric was then pulled into position by laborers and the same dragline would secure the fabric in place by placing armor stone where needed.

On 07 Jan 97 the spud barge L-406 was mobilized to place Separator Geotextile. This barge was designed to lay filter cloth using anchors connected to special winches which allowed the barge to pull itself a distance of approximately 200ft, laying fabric as it moved. The contractor had laborers tie sand bags filled with stone

along the cloth's edges which would act as anchors as the cloth was placed into position. The Geotextile was held with little tension, using the winches to pull. The spud barge L-980 with the tender boat, MV George B, were slightly behind the fabric barge placing a layer of armor stone holding the Separator Geotextile in place. The final quantity of fabric placed was 120,444 square yards.

4) Flotation Channel 17 Dec 96 11 Jan 97 Good

Flotation was needed at Sta. 0+00 to Sta. 3+00 which was excavated 19 Dec 96. Material at this area could not be placed behind the dike due to the large amount of spoil material and specification in the contract that allowed for material to be piled only as high as the adjacent bank. This was changed to allow contractor to stockpile spoil material higher than the adjacent bank, but all other spoil material was placed behind the dike on the landward side.

5) Marker Plates 18 Dec 96 28 Feb 97 Good

Marker plates were placed every 1000 feet and at places directed by the plans and specifications. There were 38 marker plates set throughout the construction of the dike.

F. MODIFICATIONS

A no cost modification was written to leave an access gap in the dike at the land owner's request.

G. CLAIMS

None

H. ACCIDENTS/SAFETY

The contractor's overall Accident Prevention Plan was satisfactory. There were no lost time accidents on this contract. The contractor held weekly safety meetings and monthly fire drills. A total of 5,603 manhours were worked on this contract.

I. MATERIAL SUPPLIERS

Tower Rock Stone Company, St. Genevieve, Missouri
Tower Rock Stone Company, Grays Point Quarry
Nicolon Mirafi, Norcross, Georgia

J. SUGGESTIONS FOR IMPROVEMENTS TO FUTURE PLANS/SPEC'S/D'GS

In my opinion this dike could have been built using "C" stone which would have been more cost efficient and would have served the intended purpose. The dike should have been constructed with a minimum 3 ft crown with the side slopes at the natural angle of repose of the stone.

K. EEO GOALS/MINORITY SUBCONTRACTS/LOCAL HIRE CONTRACTS

CELMN-CD-LA 18 Mar 97
SUBJECT: Narrative Completion Report, Contract DACW29-96-C-0065, Coastal Wetlands Planning, Protection and Restoration Act, Clear Marais Shore Protection, Calcasieu Parish, Louisiana

The contractor met EEO goals as required. The contractor hired personnel from the Lake Charles Employment Office.

Joseph A Cormier
JOSEPH A. CORMIER
Construction Representative

CF:
CELMN-CD
~~CELMN~~-ED-C
CELMN-CT
CELMN-PA
CELMN-ED-CC
CELMN-CD-QM
CELMN-CD-LA-File

MAR 31 1997