

PROJECT COMPLETION REPORT¹

PROJECT NAME South Lake De Cade Freshwater Introduction

CWPPRA/STATE PROJECT NO. TE-39

Report Date: June 5, 2012 **BY:** Charles Slocum

1. Project Managers/Contracting Officer:

CPRA Project Manager	Bill Feazel	Telephone	(225) 342-4611
CPRA Construction Project Manager	Brian Babin	Telephone	(985) 447-0956
Federal Agency Project Manager	Loland Broussard	Telephone	(337) 291-3069
Federal Agency Contracting Officer	Vicki Supler	Telephone	(318) 473-7645

2. Location and description of projects as approved for construction by Task Force.

The Project is located in Terrebonne Parish, approximately 15 miles south of Houma, Louisiana.

The Task Force has approved construction for Construction Unit 1 (CU#1) only. Approximately 1.6 miles of foreshore rock dike is planned to protect the critical areas of the lake shoreline from breaching. Construction Unit 2 is not being pursued at this time.

3. Final, as-built features, boundaries and resulting acreage (use attachments if necessary).

Final constructed feature included 8,600 linear feet of foreshore rock dike revetment along the southwest rim of Lake Decade. For additional information see attached "As-Built" plans.

Actual Benefitted Acres: 207 Acres

4. Key project cost elements

(MIPR #'s = 93352319, 01103133, & 93352319)	CWPPRA Project Cost Estimates**	Cost Incurred as of Construction Completion
Construction (including contingency, S&A&S&I)	\$ 3,018,557	\$ 2,479,699.80
E & D (including S&A and Ph 1 COE Mgt)	\$ 535,505.00	\$ 529,535.41
Landrights	\$ 63,760.00	\$ 21,989.95
Monitoring	\$ 71,346.00	\$ 29,205.91
O & M	\$ 1,515,086	\$ 0.00
Phase 2 USACE Proj Mgt	\$ 19,552.00	
Total	\$ 4,553,195	\$ 3,060,431.07

AS OF 4-23-2012

** Most recent estimate from CWPPRA Project estimates from Cost Share Agreement Amendment 4.

5. Items of work

Item No.	Work	Estimated Quantity	Unit	Estimated Unit Price	Estimated Amount	Unit Bid Price	Bid Amount	Final Quantity	Final Amount	% Over/Under	
1	Mobilization and Demobilization	1	Job	\$300,000.00	\$300,000.00	\$160,735.00	\$160,735.50	1	\$160,735.50	100.00%	
2	Construction Surveys	1	Job	\$58,600.00	\$58,600.00	\$50,000.00	\$50,000.00	1	\$50,000.00	100.00%	
3	Excavation, Access Floatation - Bucket	1	Job	\$263,000.00	\$263,000.00	\$374,600.00	\$374,600.00	1	\$374,600.00	100.00%	
4	Rock Riprap	17,387	Tons	\$69.00	\$1,199,703.00	\$68.15	\$1,185,000.00	17,387	\$1,185,000.00	100.00%	
5	Metal Fabrication, Settlement Plates	8	EA	\$2,617.00	\$20,936.00	\$2,500.00	\$20,000.00	8	\$20,000.00	100.00%	
6	Contractor Quality Control	1	Job	\$49,200.00	\$49,200.00	\$25,300.00	\$25,300.00	1	\$25,300.00	100.00%	
7	Geotextile	21,838	SY	\$8.00	\$174,704.00	\$7.44	\$162,500.00	21,838	\$162,500.00	100.00%	
					Total Estimate	\$2,066,143.00	Total Bid	\$1,978,135.50		\$1,978,135.50	

Mod #1	Mod 1 increases rock quantity Item 4 from 17,387 tons to 18,769 tons		Tons		1,382.00				\$0.00	100.00%
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							Total Modification #1	\$0.00		
Mod #2	CLIN 3 increased quantity from 1 to 1.003		LS		0.003					
	CLIN 4 increased quantity from 18,769 tons to 18,874 tons		Tons		105.00					
	CLIN 7 increased quantity from 21,838 SY to 21,978 SY		SY		140.00					
	Mod 2 funds mod 1 and mod 2		LS						\$109,173.55	100.00%
							Total Modification #2	\$109,173.55		

Mod #3	CLIN 3 increased quantity from 1.003 to 1.004		LS		0.001			0.001		100.00%
							Total Modification #3	\$556.34		

Mod #4	CLIN 3 increased LS quantity from 67,252 cy to 99,629.6cy		LS						\$180,343.23	100.00%
							Total Modification #4	\$180,343.23		

Mod #5	CLIN 4 increased quantity from 18,874 tons to 20,640 tons		Tons		1,766.00	\$71.56	\$126,374.96	1,766	\$126,374.96	100.00%
							Total Modification #5	\$126,374.96		

Mod #6	Suspension of Work Order						\$0.00			100.00%
							Total Modification #6	\$0.00		
Mod #7	Lift the Suspension of Work Order						\$0.00			100.00%
							Total Modification #7	\$0.00		
Mod #8	CLIN 1 increased by \$15,000 for Suspension of Work Order		LS				\$15,000.00	1		
	CLIN 4 rework area is reduced by \$13,269.68		LS				-\$13,269.68	1		
	Mod 8 funds mod 6, mod 7 and mod 8		LS						\$1,730.32	100.00%
							Total Modification #8	\$1,730.32		
							Total Construction Cost	\$2,396,313.90		

6. Construction and construction oversight

Prime construction contractor	Transwest Manufacturing, LLC
Subcontractor	Frisco Construction
Subcontractor	Inland Marine
Sub Contractor	Berry Brothers
Original construction contract	\$ 1,978,135.50
Change orders	\$ 369,088.24
Under Runs	-\$ 49,090.16
Final construction contract	\$ 2,347,223.74 (Total cost – under runs)

Const. oversight contractor		Const. amt.	\$
Cons. O.S./Admin. agency	NRCS	Est. amt.	\$

7. Major equipment used.

Barge JMC5 equipped w/living quarters	Manitowoc Drag Line
19' Boat "SEACAT"	(3) tug boats
Bucket Dredge "Captain Buford"	24' boat
14' Weldgraft Boat	Spud Barge "Rooster"
(3) 240 Link-Belt 240	20' Cabin boat "Hailey"
20' SeaArk Boat	Work Barge w/ LinkBelt 338
D3K Caterpillar Bulldozer	

8. Discuss construction sequences and activities, problems encountered, solutions to problems, etc.

The construction sequence began with survey and stake out of flotation channels on 2-2-2011. On 2/13/11 Transwest mobilized to the site and began excavating flotation channels. Transwest Manufacturing left the site on 3-9-11. Berry Brothers mobilized to the site on 3-19-11 to resume the excavation of flotation channels. Berry Brothers completed the excavation of the flotation channels and left the site on 4-3-11. Frisco Construction arrived on the site on 4-12-11 and began constructing the rock revetment on 4-13-11. Their

progress was disrupted due to availability of rock materials and they left the site on 5-24-11. Frisco returned to the site on 5-27-11 to begin shaping and seeding the spoil material, which was placed on the bank behind the rock revetment. The suspension was set to resume after 45 days or once rock materials were available. The shaping and seeding were completed on 6-2-11 and all construction activities were suspended by a suspension of work issued on 6-2-11. The suspension was lifted on 6-23-11 with Frisco returning to the site on 6-27-11. Construction of the rock revetment resumed on 6-28-11 and was completed on 7-8-11. The contractor continued to work on final punch list items until 7-12-11.

9. Construction change orders and field changes.

Modification #1: This modification is to change the alignment of the rock dike. The length of the rock dike changed from 8,545 feet to 8,550 feet. Ultimately increased the rock quantities in bid item 4 from 17,387 tons to 18,769 tons. Drawing sheets 3 to 18 removed and replaced with drawing sheets 3M1 to 18M1.
Cost for this mod will be determined at completion of contract.

Modification #2: This modification extends the rock dike to the concrete matting over Williams Pipeline as provided in the attached drawings. Remove sheet 11M1 and replace with sheet 11M2. This mod also funds Mod#1.
CLIN #3 is changed from 1 to 1.003 = \$1,669.03.
CLIN #4 is changed from 18,769 tons to 18,874 tons = \$7,513.80.
CLIN #7 is changed from 21,836 SY to 21,978 SY = \$1,094.80.
Mod #1 = \$98,895.92.
Performance time is extended 2 calendar days as a result of this mod.
The net increase to the contract is \$109,173.55 (mod 1 and 2).

Modification #3: This modification is to extend the access channel by 10 feet to allow for the extension of the rock revetment mat to the concrete matting over the Williams Pipeline as part of mod#2.
Remove drawing sheet 11M2 and replace with 11M3.
CLIN #3 is changed from 1.003 to 1.004 = \$556.34.
The net increase to the contract is \$556.34.

Modification #4: This modification is to increase the quantity of the floatation access channel as a result of realignment of the rock dike.
CLIN #3 excavation quantity is changed from 67,252.0 CY to 99,629.6 CY.
Performance time is increased 20 calendar days as a result of this mod.
The net increase to the contract is \$180,343.23.
The contract price is changed from \$1,978,135.50 to \$2,268,208.34.

Modification #5: This modification increases the rock quantity as confirmed by surveys.
CLIN #4 is changed from 18,874 tons to 20,640 tons = \$126,374.96.
The net increase to the contract is \$126,374.96.
The contract price is changed from \$2,268,208.34 to \$2,394,583.58.

Modification #6: This modification is to provide Suspension of Work Order, for not more than 45 day, starting June 2, 2011.

Modification #7: This modification is to lift the Suspension of Work Order, as of June 23, 2011.
Performance time is increased 20 calendar days as a result of this mod.
The contractor is to provide cost to the CO within 10 days of remobilize to the site..

Modification #8: The purposed of this modification was to provide for the supplemental agreement for Modification#7 and the acceptance of the reduction in price due to the acceptance of rock at Sta. 40+00 to 41+50, 43+50 to 46+00, 46+50 to 49+50 and 53+50 to 58+00 which is outside

of

the template.

Mod #7 supplemental agreement - The costs associated with remobilizing back to the jobsite after the lift of the suspension was \$15,000.

CLIN #1 is changed from \$160,735.50 to \$175,735.50.

Rework Area – Cost associated with the acceptance of the rework areas outside the template result in a reduction in the amount of \$13,269.68.

CLIN #4 is reduced from \$1,406,706.82 to \$1,393,437.14.

The net increase to the contract is \$1,730.32.

The contract price is changed from \$2,394,583.58 to \$2,396,313.90.

10. Pipeline and other utility crossings.

<u>Structure</u>	<u>Owner</u>	<u>Rep. To Contact</u>
Pipeline	Apache Louisiana Materials LLC	Timothy J. Allen Post Office Box 206 Houma, Louisiana 70361 (985) 879-3528 ext. 8719
Pipeline	Williams Field Services	Robby Knight (985) 446-7100

11. Safety and Accidents.

There were no significant safety issues during construction of this project

12. Additional comments pertaining to construction, completed project, etc.

No Comments

13. Significant Construction Dates: To be filled out by CPRA Construction Project Manager or Contracting Officer for construction for Agency responsible for construction.

	Date	Bid I.D.
Bid I.D. (Construction, Vegetation, etc.)	March 30, 2010	AG-7217-S-10-0007
Bid Opening	May 11, 2010	
Construction Contract Award	August 17, 2010	AG-7217-C-10-0013
Preconstruction Conference	September 9, 2010	
Notice to Proceed	January 24, 2011	
Mobilization	February 13, 2011	
Construction Start	February 13, 2011	
Construction Completion	July 12, 2011	
Final Acceptance	July 12, 2011	

If different bids are taken, repeat this table to individually reflect each bid and attach tables.

