

PROJECT COMPLETION REPORT¹

PROJECT NAME

**Barataria Basin Landbridge Shoreline
Protection Project Phase 4**

CWPPRA/STATE PROJECT NO.

BA-27d

Report Date: 3/16/2012

BY: Charles H. Sl;ocum

1. Project Managers/Contracting Officer:

DNR Project Manager	Dustin White	Telephone	(225) 342-4512
DNR Construction Project Manager	Brian Babin	Telephone	(225) 447-0957
DNR Monitoring Manager	Melissa Hymel	Telephone	(540) 280-4074
Federal Agency Project Manager	Quin Kinler	Telephone	(225) 382-2047
Federal Agency Contracting Officer	Ralph Broome	Telephone	(318) 473-7781

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

Construction Unit 6 is located in western Jefferson Parish on the eastern bankline of Bayou Rigolettes.

This construction unit consists of approximately 29,500 feet of shoreline protection (rock revetment).

The shoreline protection project aims to protect the functional integrity of this critical area of the Barataria Basin. Major factors contributing to the excessive marsh loss in this area included the elimination of overbank flooding of the Mississippi River; closure of Bayou Lafourche and the Mississippi River; dredging of the Gulf Intracoastal Waterway, Barataria Waterway, Harvey Cutoff Canal, and oilfield access channels; physical erosion due to wind, boat wake, and tidal energy; subsidence, and sea level rise.

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

CU #6

The rock revetment was constructed to an elevation of 3.5 ft NAVD with a top width of 4 ft. and 3:1 side slopes. At seven locations along the rock revetment, organism access openings were constructed to allow continued aquatic organism ingress and egress and provide adequate discharge of surface water flow. Each opening was lined with two (2) ft of rock to a sill elevation two (2) ft below the average water elevation (-0.8 ft NAVD).

1. approximately 146,513 tons (400 lb.) rock riprap
2. approximately 116,718 sq yds of geotextile
3. all associated access dredging/excavation.

Actual Benefitted Acres

Construction Unit 6 is estimated to produce 256 net acres over 20 years.

¹To be filled out at construction completion by either the DNR Construction Project Manager or the Federal Agency Contracting Officer depending on which organization had lead role for construction of project. (Except for some items under # 13).

4. Key project cost elements

	CWPPRA Project Cost Estimates**	Cost Incurred as of Construction Completion
Construction	\$ 8,704,760.00	\$ 5,903,135.00
E & D	\$ 2,149,884.00	\$ 467,503.88
Landrights	\$ 21,278.00	\$ 20,985.14
Monitoring	\$ 20,645.00	\$ 20,645.00
Long Term Mgt and Admin	\$ 751,404.00	\$ 156,968.50
O & M	\$ 11,131,979.00	\$ 11,131,979.00
Total	\$ 22,787,950.00	\$ 17,200,082.55

** Most recent estimate from CWPPRA Project estimates Report produced by USACOE.

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	\$167,301.97	\$167,301.97	\$366,114.00	\$366,114.00	1	\$366,114.00	100.0%
2	Metal Fabrication and Installation, Settlement Plates	33	EA	\$1,000.00	\$33,000.00	\$1,156.00	\$38,148.00	33	\$38,148.00	100.0%
3	Rock Riprap 400#	146,513	Tons	\$34.52	\$5,057,641.82	\$25.41	\$3,722,895.33	146,513	\$5,057,895.33	100.0%
4	Geotextile	116,718	SY	\$5.93	\$692,137.74	\$6.45	\$752,831.10	116,718	\$752,831.10	100.0%
5	Excavation, Access Dredging	1	Job	\$611,568.90	\$611,568.90	\$782,000.00	\$782,000.00	1	\$782,000.00	100.0%
6	Identification Markers & Plaques, Permanent warning Signs	12	EA	\$2,096.04	\$25,152.50	\$3,100.00	\$37,200.00	12	\$37,200.00	100.0%
Total Estimate					\$6,586,802.93	Total Bid	\$5,699,188.43			
									Total Modification #1	\$0.00
7	Additional Riprap	26	Tons	\$25.41	\$660.66			26	660.66	100.0%
									Total Modification #2	\$660.66

6. Construction and construction oversight

Prime construction contractor	Kesser International
Subcontractor	Pine Bluff Sand & Gravel Company
Subcontractor	
Original construction contract	\$ 5,699,188.43
Change orders	\$ 660.66
Final construction contract	\$ 5,699,849.09

Const. oversight contractor		Const. amt.	\$

Cons. O.S./Admin. agency	NRCS	Est. amt.	\$
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7. Major equipment used.

Demag Excavator
 4600 Manitowoc Crane
 71-B Bucyrus Erie

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

1. Dig flotation
2. Lay geotextile and secure
3. Build Rock Revetment

9. Construction change orders and field changes.

Modification #1: No-cost Mod; This modification changes the method of payment in specification 21 to allow prorated payments due to the large quantity of work.

Modification #2: This modification is to add a line item to the contract and to increase the dollar value of the contract. Line item 7 is added; additional riprap, 26 tons, @ \$25.41 = \$ 660.66.

10. Pipeline and other utility crossings.

<u>Structure</u>	<u>Owner</u>	<u>Rep. To Contact</u>
Pipeline	Shell Pipeline Company (SPLC)	Mr. Kevin Leget Office (985) 873-3450 Cell (985) 637-0094
Pipeline	Enbridge Pipeline Company	Mr. Chris Moody (225) 356-6161

11. Safety and Accidents.

NONE

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

NONE

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

	Date	Bid I.D.
Bid I.D. (Construction, Vegetation, etc.)	12-13-2004	AG-7217-S-05-0008
Bid Opening	1-27-2005	
Construction Contract Award	3-4-2005	AG-7217-C-05-0006
Preconstruction Conference	3-28-2005	
Notice to Proceed	4-27-2005	
Mobilization	4-27-2005	
Construction Start	4-28-2005	
Construction Completion	1-27-2006	
Final Acceptance	4-25-2006	

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

Other significant Project Dates

Date

Project Implementation closeout**

Start of Preconstruction Monitoring***

Preconstruction Aerial Photography Acquisition***

Monitoring Plan Completion***

**** Final implementation closeout is made by either the DNR Project Manager or the Federal Agency Contracting Officer depending on which organization had lead role for construction of project.**

***** To be completed by DNR Project Manager.**