

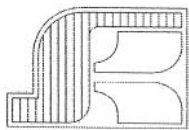
PROJECT COMPLETION REPORT

**BARATARIA BAY WATERWAY WEST SHORELINE
PROTECTION PROJECT
STATE PROJECT NO. BA-23**

Prepared for

**STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF COASTAL RESTORATION AND MANAGEMENT**

Prepared by



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MARCH 30, 2006

PROJECT COMPLETION REPORT

PROJECT NAME: Barataria Bay Waterway West Shoreline Protection Project
STATE PROJECT NO.: BA-23

Report Date: March 30, 2006 By: James E. Powell, Jr., P.E.
Shread-Kuyrkendall & Associates, Inc.

1. *Project Managers/Contracting Officer:*

DNR Project Manager	George Boddie	(228) 596-1256
DNR Construction Project Manager	Barry Richard	(504) 481-4979
Shread-Kuyrkendall, Inspector	C.B. Neal	(225) 806-4738
Shread-Kuyrkendall, Inspection Coordinator	James E. Powell, Jr.	(225) 296-1335

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

The Barataria Bay Waterway West Shoreline Protection Project (BA-23) is located along the west shoreline of the Barataria Bay Waterway (BWW) in Jefferson Parish, Louisiana. This project is designed to protect the marsh shoreline along the west shoreline of BWW from erosion due to the wake from commercial traffic in the waterway. This project consists of upgrading approximately 6,400 linear feet of an existing rock dike. The project consists of applying a lift of rock to areas where the existing rock dike has subsided. The final elevation of the rock dike will be approximately +3.5 feet NAVD.

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

All areas along the west rock dike that required repair were completed along the Barataria Bay Waterway West Shoreline in accordance with the plans. Approximately 751 tons were remaining and used in areas on the East Side of the project as approved by DNR. According to the as-built information provided by the Contractor, all rock segments were between Elevation +3.7 feet NAVD and +4.0 feet NAVD.

4. Key project cost elements.

Barataria Bay Waterway West (BA-23)	CWPPRA Project Construction Cost	Five Year Maintenance Cost
Construction	\$1,764,703.41	\$0.00
E & D	\$299,296.69	Approx. \$25,000.00
Landrights	\$80,225.14	\$0.00
Monitoring	\$55,608.15	\$0.00
O & M	\$0.00	\$235,434.00
Total	\$2,199,833.39	\$260,434.00

5. Items of Work.

The following is the list of bid items and bid unit prices for the entire project (BA-23 & BA-26):

Item	Unit	Quantity	Unit Price	Total Price
Mobilization and Demobilization	LUMP SUM	LUMP	\$50,000.00	\$50,000.00
Flotation Channel - East Structure	LUMP SUM	LUMP	\$15,000.00	\$15,000.00
Flotation Channel - West Structure	LUMP SUM	LUMP	\$15,000.00	\$15,000.00
Rip Rap - East Structure	TONS	15,532	\$38.00	\$590,216.00
Rip Rap - West Structure	TONS	5,894	\$38.00	\$223,972.00

6. Construction and construction oversight.

Item	Barataria Bay Waterway West (BA-23)
Prime Construction Contractor	Luhr Bros., Inc.
Original Construction Contract	\$263,972.00
Change Orders	\$0.00
Overrun/Underrun	-\$28,538.00
Total Construction Contract Cost	\$235,434.00
Inspection Cost	\$4,255.23

7. *Major equipment used.*

- (3) Tug Boats
- (1) Long-Arm Excavator
- (1) Track Hoe/Excavator
- (2) Spud Barges
- (14) Rock Barges
- (1) Crew Boat
- (1) Converted Tug Boat for sleeping quarters

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

- The contractor began the project by setting the gauges to establish the river stages.
- Then the contractor staked out the required rock segments based on the coordinates provided by DNR using GPS.
- The East Side (BA-26) of the project was completed first in accordance with the plans and specifications.
- The West Side (BA-23) of the project was completed next in accordance with the plans and specifications.
- There was approximately 751 tons of rip-rap remaining after all rock segments on the West Side were completed. At the approval of DNR, this excess was used to fill in gaps between rock segments on the East Side of the project. Also an additional 1885 tons of rip-rap were added to the East Side at the approval of DNR.
- At the completion of the project, the contractor provided as-built elevations which ranged from +3.7 feet NGVD to +4.1 feet NGVD.
- There were no problems experienced during the construction which was completed well within the allotted contract time.

9. *Construction change orders and field changes.*

- Modification #1 – Move 751 tons of rip-rap from West Side (BA-23) to East Side (BA-26) and add 1885 additional tons of rip-rap to the East Side (BA-26).

10. *Pipeline and other utility crossings.*

The following pipeline/utility companies have pipeline/utilities located within the vicinity of the project:

Central Crude Oil Company
British Petroleum Pipeline Co.

Enbridge Pipeline Company
Town of Grand Isle

The contractor notified LA One Call of the proposed work and these companies were contacted specifically to ensure the proper location of their respective pipelines.

11. Safety and Accidents.

Excellent safety record with no accidents reported.

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

None.

13. Significant construction dates.

ACTION	DATE
Bid I.D. (Const., Veg., etc.)	Maintenance
Bid Opening	10/6/2005
Construction Contract Award	10/21/2005
Preconstruction Conference	12/6/2005
Notice to Proceed	11/30/2005
Mobilization	1/1/2006
Construction Start	1/4/2006
Construction Completion	1/23/2006
Final Acceptance	1/24/2006