

ME-21 Grand Lake Shoreline Protection Project




May 22, 2014

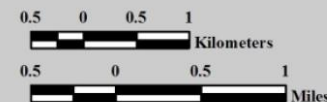
- In February 2007, the CWPPRA Task Force passed a motion *“to allow CIAP to fund construction of the Grand Lake Shoreline Protection Project (ME-21) without Tebo Point and to have CWPPRA fund the difference between the CIAP and CWPPRA project features (i.e. the Tebo Point segment) plus 3 years of O&M for the entire project for a total of \$9 million (\$2.7M for construction of the Tebo Point segment and \$6.3M for the 1st 3 years of O&M for the entire project).”*
- The CIAP portion of ME-21 was constructed under CIAP in 2010.

- Federal sponsorship of ME-21 was transferred to NRCS in 2011.
- The Tebo Point portion of the project consists of about 5,700 feet of foreshore rock dike. The dike will be constructed to a height of 3.5 feet NAVD88, with a crown width of 4 feet and 3:1 slide slopes. To the extent practicable, material from the access channel will be used to create marsh



Grand Lake Shoreline Protection (ME-21)

-  Shoreline Protection *
-  Shoreline Protection (ME-21 (EB))
-  Project Boundary
- *denotes proposed features








Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Assessment Branch
Baton Rouge, La.

Background Imagery:
2010 Digital Orthophoto Quarter Quadrangle

Map Date: November 09, 2012
Map ID: USGS-NWRC 2012-11-0005
Data accurate as of: August 27, 2012



LEGEND

-  ROCK DIKE
-  PERMANENT SPOIL DISPOSAL
-  TEMPORARY SPOIL PLACEMENT
-  FLOTATION ACCESS CHANNEL
-  ACCESS ROUTE



400 0 400 800 1200
Scale in Feet

PLAN MAP INDEX
ME-21 GRAND LAKE
SHORELINE PROTECTION
CAMERON PARISH, LOUISIANA



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LA396

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Sheet 3 of 23

Designed M. GREMILLION 2/12
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Approved M. GILFORD

	Existing / CSA Phase II Budget	Proposed Phase II Budget	Change
Construction, including S&I, S&A, and Contingency	\$2,700,000	\$6,012,602	+\$3,312,602
Federal O&M	\$123,632	\$159,383	+\$35,751
State O&M	\$6,180,620	\$2,800,562	-\$3,380,058
COE Admin	\$2,334	\$32,020	+\$31,705
TOTAL	\$9,006,586	\$9,006,586	\$0

Grand Lake

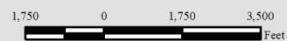


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2006 NAIP Photography
Map Date: August 05, 2014
Map ID: USGS-NWRC 2014-11-0033

Grand Lake Shoreline Protection (ME-21) Shoreline Change Rates from 1978 to 2006



78-06 Loss **Approx. Shoreline** **Loss Rate**
7,714,616 sq ft. 59,014 ft. 5 ft. per yr.



	Net Acres Over 20 years			Cost	Cost Effectiveness
	Protected ^a	Created	Total		
Tebo Point only	13	15	28	\$7,214,064 ^c	\$256,862
Entire Project	100	128 ^b	228	\$20,655,616 ^d	\$90,650

^a Erosion rate: 5 feet /yr

^b CIAP Created: 37,800 ft X 130 ft

^c Tebo Point Only Cost = Phase 1 funds remaining at time of project transfer + Current Tebo Construction Estimate + 28% of current O&M estimate

^d Entire Project Cost = Current CWPPRA FFC of \$10,055,616 + CIAP construction cost of \$10.6M

Note: Avg cost effectiveness of projects approved for Phase I (PPLs 18-23): **\$77,071**

Note: Avg cost effectiveness of projects approved for Phase II 2009-2014: **\$108,132**

Current Request

- \$3,312,602 transfer from O&M to Construction
- \$31,705 transfer from O&M to COE Admin
- Phase II budget remains at \$9,006,585
- Fully funded cost remains at \$10,055,617.
- 3-year O&M incremental funding request: \$7,521.
- 3-year COE Admin funding request: \$5,897.