



St. Charles Parish Coastal Projects

PROJECTS IN CONSTRUCTION

West Bank & Vicinity (BA-0066)

HSDRRS - Estimated Cost \$4,304,525,784

This project provides 100-year protection levels to the Greater New Orleans area on the west side of the Mississippi River in St. Charles, Jefferson, Orleans, and Plaquemines Parishes through rehabilitation or new construction of over 70 miles of levees and structures.

St. Charles West Bank Hurricane Protection Levee (BA-0085)

STATE - Estimated Cost \$14,500,000

This project is a system of levees, drainage structures, and pump stations being constructed to provide flood protection to the communities of St. Charles Parish on the West Bank of the Mississippi River.

Previously Authorized Mitigation WBV (BA-0154)

HSDRRS - Estimated Cost \$11,000,000

This suite of USACE projects is 100% federally funded and provides mitigation for impacts during construction of the West Bank and Vicinity (WBV) Pre-Katrina (2005) Hurricane protection projects, and involves the restoration of approximately 1,217 acres of swamp and bottomland hardwood habitats in the Barataria Basin.

WBV Levee Lifts SLFPAW (BA-0199)

HSDRRS - Estimated Cost \$22,000,000

NOTE: These are being funded by LERRDS as part of the maintenance program

These projects involved raising HSDRRS levees under SLFPA-W's jurisdiction to the required elevations for 2023 prior to the levees being armored by USACE.

SELA (PO-0057)

HSDRRS - Estimated Cost \$1,170,974,586

This project involves multiple measures to reduce damages due to rainfall flooding in Jefferson, Orleans, Plaquemines, St. Bernard, St. Charles, and St. Tammany parishes, including increases in pump station capacity and improvements in surface and sub-surface drainage features.

LPV Levee Lifts PLD (PO-0176)

HSDRRS - Estimated Cost \$13,770,907

These projects involved raising HSDRRS levees under PLD's jurisdiction to the required elevations for 2023 prior to the levees being armored by USACE.

LPV Levee Lifts SLFPAE (PO-0177)

HSDRRS - Estimated Cost \$18,500,000

NOTE: These are being funded by LERRDS as part of the maintenance program

These projects involved raising HSDRRS levees under SLFPA-E's jurisdiction to the required elevations for 2023 prior to the levees being armored by USACE.

Paradis Canal Gate (BA-0209)

RESTORE MATCHING – Estimated Cost \$2,540,000

The main purpose of the project is to provide flood protection for the residents, businesses, and industries of the west bank of St. Charles Parish.

Sunset Levee Upper Barataria Risk Reduction

GOMESA/UBRR/LBLD – Estimated Cost \$3,500,000

The project provides for data collection and preliminary engineering and design for upgrades to the Sunset reach of the Upper Barataria Basin Risk Reduction Project

Davis Pond Upper Barataria Risk Reduction

GOMESA/LBLD – Estimated Cost \$6,500,000

The project provides for data collection and preliminary engineering and design for upgrades to the Davis Pond reach of the Upper Barataria Basin Risk Reduction Project

Magnolia Ridge Levee Lift and Road

GOMESA/LBLD – Estimated Cost \$3,000,000

The project provides for data collection and preliminary engineering and design for upgrades to the Magnolia Ridge reach of the Upper Barataria Basin Risk Reduction Project

PROJECTS IN ENGINEERING AND DESIGN

West Shore-Lake Pontchartrain, Louisiana Hurricane Protection Feasibility Study (PO-0062)

HSDRRS - Estimated Total Cost \$760,000,000

This project will provide hurricane protection for communities along the east bank of the Mississippi River at the western shore of Lake Pontchartrain in St. Charles, St. James, and St. John the Baptist parishes. Project features include 17.5 miles of levee, one mile of T-wall, four pumping stations, and two drainage structures.

Labranche Central Marsh Creation (PO-0133)

CWPPRA - Estimated Cost \$43,409,208

This project consists of the creation of 762 acres and nourishment of 140 acres of marsh south of I-10 in St. Charles Parish using dedicated dredging from Lake Pontchartrain. The project is located immediately south of the LaBranche East Marsh Creation (PO-0075) project and will work synergistically with that project to provide optimal benefit to the LaBranche wetlands.

West Shore Lake Pontchartrain

GOMESA/PLD – Estimated Cost \$4,500,000

The project provides for data collection and preliminary engineering and design for upgrades to the federally authorized Hurricane Protection Levee system to provide flood risk reduction to homes and business within the protected project area.

Magnolia Ridge Levee Pipeline and T-Wall

GOMESA – Estimated Cost \$3,500,000

This project will construct a T-Wall along a portion of the Magnolia Ridge Levee alignment to provide closure of the levee system.

T-Wall Kellog Pump Station

GOMESA – Estimated Cost \$2,500,000

This project will construct a T-Wall adjoining the Kellog Pump Station to the levee to provide closure of the levee system.

PROJECTS IN PLANNING

Upper Barataria Basin Flood Management (BA-0211)

USACE - Estimated Total Cost \$3,000,000

The Barataria Basin Flood Risk Management Study will investigate alternatives to address flood risk from tidal surges, coastal storms and heavy rainfall in the area between Bayou Lafourche and the Mississippi River System. The study will evaluate a range structural and non-structural approaches to regulate upper basin stages and storage capabilities. Possible solutions include a combination of small scale levees and floodwalls, conveyance channels, flood gates, tidal exchange structures, flood walls, and pumping stations.

WBV Risk Reduction (BA-0212)

HSDRRS - Estimated Total Cost \$3,000,000

This study seeks to determine if the work necessary to sustain the 1% level of risk reduction is technically feasible, environmentally acceptable, and economically justified

Mississippi River Hydrodynamic and Delta Management Study (MR-0016)

WRDA - Estimated Total Cost \$25,358,136

This feasibility study is focused on tool development to evaluate existing conditions in the lower Mississippi River and any potential local and system-wide impacts of proposed changes to the system. The Hydrodynamic component will evaluate the river system from ORCS to the Gulf, develop a comprehensive modeling system to assess restoration alternatives, and determine the availability of fresh water, sediment, and nutrients for restoration. The Delta Management component will evaluate potential projects, such as large fresh water diversions and alternative navigation channel alignments, with the goal of increasing sediment deposition in coastal areas.

LPV Risk Reduction (PO-0182)

HSDRRS - Estimated Total Cost \$3,000,000

This study seeks to determine if the work necessary to sustain the 1% level of risk reduction is technically feasible, environmentally acceptable, and economically justified

NRDA Rec Use Projects

Des Allemands Boat Launch

NRDA – St. Charles Parish - \$1,841,116

Construction of a new boat launch facility and associated boat/trailer parking, car parking and wooden docks.

Statewide Artificial Reefs

NRDA – LDWF – Estimated Cost \$6,000,000

This project enhances eleven multipurpose reef sites across coastal Louisiana.

COMPLETED PROJECTS

Projects Completed in FY 2017

Lake Pontchartrain and Vicinity (PO-0063)

GNO-HSDRRS - Total Cost \$3,852,000,000

This project is currently designed to provide 100-year protection levels to the Greater New Orleans area on the east side of the Mississippi River in St. Charles, Jefferson, Orleans and St. Bernard Parishes. It is through rehabilitation or new construction of over 150 miles of the levees and structures that will make up the Lake Pontchartrain and Vicinity Hurricane Protection System.

Projects Completed in FY 2016

East LaBranche Shoreline Protection (PO-0043)

CIAP - Total Cost \$3,753,816/State Dollars \$2,000,000

Through various funding mechanisms, including CWPPRA and CIAP, all but approximately 18,000 linear feet of the East LaBranche shoreline has been protected. St. Charles Parish has acquired \$1,753,816 of CIAP funding to construct 1,400 linear feet of shoreline protection. The State has contributed an additional \$2,000,000 in CIAP funding to construct shoreline protection for the most critical areas.

Projects Completed in FY 2014

Sediment Containment System for Marsh Creation Demonstration (LA-0009)

CWPPRA - Total Cost: \$2,323,073/State Dollars \$160,961

This demonstration project utilized an unconventional sediment containment system for marsh creation.

Projects Completed in FY 2009

Lake Salvador Shoreline Protection (Phase III) (BA-0015-X2)

CIAP - Total Cost \$3,452,189/State Dollars \$1,774,322

This project constructed approximately 7,000 linear feet of shoreline protection near the northwest shore of Lake Salvador.

2017 COASTAL MASTER PLAN PROJECTS

Risk Reduction Projects Year 1-30

West Shore Lake Pontchartrain (001.HP.05) – Construction of a levee to an elevation between 16 and 19 feet NAVD88 in the Laplace area.

Upper Barataria Risk Reduction (002.HP.06) – Construction of a levee to an elevation between 12.5 and 15 feet NAVD88 along Highway 90 between the West Bank and Larose.

Salvador Nonstructural Risk Reduction (STC.05N) – Project includes floodproofing non-residential properties where 100-year flood depths are 1-3 feet, elevating residential properties where 100-year

flood depths are 3-14 feet, and acquisition of residential properties where 100-year flood depths are greater than 14 feet.

Risk Reduction Projects Year 31-50

Greater New Orleans High Level (001.HP.04) – Improvements of existing Hurricane and Storm Damage Risk Reduction System levees around the East Bank of Greater New Orleans to elevations between 19 and 35 feet NAVD88.

Hahnville/Luling Nonstructural Risk Reduction (STC.01N) – Project includes floodproofing non-residential properties where 100-year flood depths are 1-3 feet, elevating residential properties where 100-year flood depths are 3-14 feet, and acquisition of residential properties where 100-year flood depths are greater than 14 feet.

Restoration Projects: Year 1-10

Manchac Landbridge Diversion (001.DI.100) – A structure in the existing western spillway guide levee to divert 2,000 cfs thereby increasing freshwater exchange with adjacent wetlands.

LaBranche Hydrologic Restoration (001.HR.100) — Construction of a 750 cfs hybrid pump-siphon structure, intake structure, and an approximately 1 mile long conveyance system to LaBranche wetlands via the Mississippi River to restore the historically fresh to intermediate marshes

LaBranche Wetlands Shoreline Protection (001.SP.104) – Shoreline protection through rock breakwaters designed to an elevation of 3.5 feet NAVD88 along approximately 11,100 feet of the southern shore of Lake Pontchartrain near the LaBranche wetlands to preserve shoreline integrity and reduce wetland degradation from wave erosion.

Restoration Projects Year 11-30

Ama Sediment Diversion (001.DI.101) – Sediment diversion into Upper Barataria near Ama to provide sediment for emergent marsh creation and freshwater to sustain existing wetlands.