



St. Tammany Parish Coastal Projects

PROJECTS IN CONSTRUCTION

SELA (PO-0057)

HSDRRS - Estimated Cost \$1.2 Billion

Project reduces damages due to rainfall flooding in Orleans and Jefferson Parishes through increases in pump station capacity, and improvements in surface and sub-surface drainage features.

HSDRRS Mitigation LPV (PO-0121)

HSDRRS - Estimated Cost \$85 Million

The USACE mitigation projects are located throughout southeast Louisiana and are intended to mitigate for impacts during construction of the Lake Pontchartrain and Vicinity (LPV) Hurricane and Storm Damage Risk Reduction System (HSDRRS). The various projects total approximately 1,089 acres of restored or mitigated bottomland hardwood forest, marsh, and swamp habitat.

PROJECTS IN ENGINEERING AND DESIGN

St. Tammany Coastal Reconnaissance Study (PO-0167)

State - Estimated Cost \$2 Million

This is a flood protection study for St. Tammany Parish. This project was rescoped in March 2016. It now involves updating the 2012 Northshore Hurricane and Flood Protection Study for St. Tammany and Tangipahoa Parishes Study with newly completed and proposed projects in the St. Tammany Parish Coastal Zone. In addition, a gap analysis will be performed to identify new projects to further protect vulnerable areas, and finally a benefit/cost analysis of projects will be undertaken to determine project priority and viability.

Fritchie Marsh Creation and Terracing (PO-0173)

CWPPRA - Estimated Cost \$27 Million

The project goal is to create and/or nourish approximately 340 acres of emergent brackish marsh and create 36,610 feet of earthen terraces (26 emergent acres) in the Fritchie Marsh area between the city of Slidell and the Rigolets using sediment from Lake Pontchartrain.

Bayou Cane Marsh Creation (PO-0181)

CWPPRA - Estimated Cost \$31.6 Million

The project goals are to create approximately 384 acres of marsh and nourish approximately 65 acres of marsh near the north shore of Lake Pontchartrain using borrow material from the lake. The project includes seven separate marsh creation cells located in larger open water areas nearest the lake edge.

Middle Pearl River Wildlife Management Area Boat Launch (PR-0001)

NRDA - Estimated Cost \$575,000

This project will include improvements to the existing boat launch on the west bank of the Middle Pearl River, within the Pearl River State WMA in St. Tammany Parish. The new launch facility will

include construction of the following: 1 200ft x 20ft access road for boat ramp traffic from LA Hwy 90 to the parking lot, 1 crushed limestone parking area with up to 20 spaces large enough to accommodate a vehicle with a trailer, 1 65ft x 45ft concrete boat launch ramp, 3 60ft x 6ft floating docks, & the following if budget allows: 1 150ft x 40ft wide staging slip, 1 200ft x 6ft boardwalk to access the staging slip, 1 100ft x 6ft boardwalk along the riverfront, & dredging of staging slip.

St. Tammany Ring Levee

GOMESA – Estimated Cost \$9,000,000

This project provides for data collection, preliminary engineering and design services of flood control features needed around Slidell.

PROJECTS IN PLANNING

St. Tammany Coastal Reconnaissance Study (P0-0167)

State - Estimated Cost \$2,000,000

This project was rescoped in March 2016. It now involves updating the 2012 Northshore Hurricane and Flood Protection Study for St. Tammany and Tangipahoa Parishes Study with newly completed and proposed projects in the St. Tammany Parish Coastal Zone. In addition, a gap analysis will be performed to identify new projects to further protect vulnerable areas, and finally a benefit/cost analysis of projects will be undertaken to determine project priority and viability.

NRDA REC USE PROJECTS

Middle Pearl River Wildlife Management Area Boat Launch (PR-0001)

NRDA - Estimated Cost \$575,000

This project will include improvements to the existing boat launch on the west bank of the Middle Pearl River, within the Pearl River State WMA in St. Tammany Parish. The new launch facility will include construction of the following: 1 200ft x 20ft access road for boat ramp traffic from LA Hwy 90 to the parking lot, 1 crushed limestone parking area with up to 20 spaces large enough to accommodate a vehicle with a trailer, 1 65ft x 45ft concrete boat launch ramp, 3 60ft x 6ft floating docks, & the following if budget allows: 1 150ft x 40ft wide staging slip, 1 200ft x 6ft boardwalk to access the staging slip, 1 100ft x 6ft boardwalk along the riverfront, & dredging of staging slip.

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 2018

Bayou Bonfouca Marsh Creation (PO-0104)

CWPPRA - Estimated Cost \$29.3 Million

The project objectives are to restore and nourish approximately 621 acres of interior marsh and reestablish the lake rim shoreline.

Projects Completed in FY 2015

CIAP Performance Evaluation Borrow Area Management and Monitoring (LA-0012-7)

CIAP - Total Cost \$813,512 / State Dollars \$813,512

The Borrow Area Monitoring and Management (BAMM) performance evaluation involved the collection of geophysical, geotechnical, and water quality data from several borrow areas to understand the evolution of borrow pits for restoration projects (inshore, nearshore, and offshore) over time, with a particular focus on the infilling (rates and types of sediment) and gradient of the pit-slopes as well as potential dredge impacts.

North Shore Hurricane/Flood Protection and Restoration Plan (PO-0074)

STATE - Total Cost \$1,271,898 / State Dollars \$1,271,898

This project developed and assessed multiple hurricane protection measures for North Shore communities and performed preliminary design for certain segments of the proposed alignments.

Madisonville Bulkhead Project (PO-0087)

CDBG - Total Cost \$2,144,266

This project improved the existing bulkhead along the shore of Lake Pontchartrain and the Tchefuncte River at the Madisonville Marina.

Projects Completed in 2014

St. Tammany Parish Watershed Management Study (PO-0151)

CDBG - Total Cost \$1,363,233 / State Dollars \$1,363,233

This project assessed natural water resource features in the Parish and their interactions with existing man-made infrastructure for water resource management (storm water management, interior drainage, storm surge protection) to gain a better understanding of the water management system and the dynamics between its various natural and man-made components. This study would develop a prioritized list of implementable projects for combined water resource management in the Parish.

Projects Completed in 2009

Goose Point/Point Platte Marsh Creation (PO-0033)

CWPPRA - Total Cost \$22,117,777

This project created approximately 437 acres of marsh and nourished about 114 acres of degraded marsh along the northern shoreline of Lake Pontchartrain.

2017 COASTAL MASTER PLAN PROJECTS

Risk Reduction Projects Year 1-30

Lake Pontchartrain Barrier (001.HP.08)

Construction of closure gates and weirs to an elevation of 2 feet NAVD88 across the passes at Chef Menteur and the Rigolets for storm surge risk reduction within the Lake Pontchartrain Basin.

Slidell Ring Levees (001.HP.13)

Construction of a levee to an elevation of 16 feet NAVD88 for storm surge risk reduction around Slidell.

St. Tammany Nonstructural Risk Reduction (STT.01N)

Project includes flood proofing 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 acquiring residential properties where 100-year flood depths are greater than 14 feet.

Restoration Projects: Year 1-10

New Orleans East Landbridge Restoration* (001.MC.05)

Creation of approximately 11,600 acres of marsh in the New Orleans East Landbridge to create new wetland habitat and restore degraded marsh.

Guste Island Marsh Creation (001.MC.108)

Creation of approximately 700 acres of marsh along the northwest Lake Pontchartrain shoreline to create new wetland habitat and restore degraded marsh.

Restoration Projects: Year 11-30

New Orleans East Landbridge Restoration* (001.MC.05)

Creation of approximately 21,800 acres of marsh in the New Orleans East Landbridge to create new wetland habitat and restore degraded marsh.

St. Tammany Marsh Creation (001.MC.106)

Creation of approximately 6,700 acres of marsh in St. Tammany Parish along northern shore of Lake Pontchartrain to create new wetland habitat and restore degraded marsh.

***Note: Projects with a (*) designate the implementation of a portion of a larger marsh creation project. In addition, Orleans Parish may also receive some benefits from sediment diversion projects in adjacent parishes.