

**WRRDA 7001 Submissions Package**  
**U.S. Army Corps of Engineers**

Proposal Name: Robert Road Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: 69ab6162-cc08-4709-b8e0-4edc2e5658cf

Purpose of Proposal: Robert Road Detention Pond Extension - A portion of this site consists of an existing flood plain storage project. The proposed project would expand and lower the existing storage and increase the available depth of storage by going to the most downstream point on the W-14. This would lower the starting water surface elevation in this stretch of the W-14 canal. The project is just downstream of the W-14 /west diversion east site and would provide up to 75 acre-feet of additional flood plain storage. The strategic location of this project on the west end of the Reine Canal, a bi-directional canal, could compliment the Tenet Regional Detention Pond currently planned on the east end of the Reine Canal. These ponds will serve as a surge buffer in the bi-directional channel which could further reduce water surface elevations in the W-14 and W-15 canals.

*1. Administrative Details*

**Proposal Name: Robert Road Detention Pond**

**by Agency: St. Tammany Parish Government**

**Locations: LA**

**Date Submitted: 09/19/2016**

**Confirmation Number: 69ab6162-cc08-4709-b8e0-4edc2e5658cf**

*Supporting Documents*

<b>File Name</b>	<b>Date Uploaded</b>
Robert Road Detention Pond Support Letter.pdf	09/19/2016
Robert Road Detention Pond Maps.pdf	09/19/2016
Robert Road Detention Pond Cost.pdf	09/19/2016

*2. Provide the name of the primary sponsor and all non-Federal interests that have contributed or are expected to contribute toward the non-Federal share of the proposed feasibility study or modification.*

Sponsor	Letter of Support
St. Tammany Parish Government(Primary)	The St. Tammany Parish Administration is in full support of this project and will provide all necessary resources to ensure that it is completed.

*3. State if this proposal is for a feasibility study, a modification to an authorized USACE feasibility study or a modification to an authorized USACE project. If it is a proposal for a modification, provide the authorized water resources development feasibility study or project name.*

Feasibility Study

***4. Clearly articulate the specific project purpose(s) of the proposed study or modification. Demonstrate that the proposal is related to USACE mission and authorities and specifically address why additional or new authorization is needed.***

Robert Road Detention Pond Extension - A portion of this site consists of an existing flood plain storage project. The proposed project would expand and lower the existing storage and increase the available depth of storage by going to the most downstream point on the W-14. This would lower the starting water surface elevation in this stretch of the W-14 canal. The project is just downstream of the W-14 /west diversion east site and would provide up to 75 acre-feet of additional flood plain storage. The strategic location of this project on the west end of the Reine Canal, a bi-directional canal, could compliment the Tenet Regional Detention Pond currently planned on the east end of the Reine Canal. These ponds will serve as a surge buffer in the bi-directional channel which could further reduce water surface elevations in the W-14 and W-15 canals.

5. To the extent practicable, provide an estimate of the total cost, and the Federal and non-Federal share of those costs, of the proposed study and, separately, an estimate of the cost of construction or modification.

	Federal	Non-Federal	Total
<b>Study</b>	\$171,218	\$0	\$171,218
<b>Construction</b>	\$1,712,184	\$0	\$1,712,184

**Explanation (if necessary)**

The project construction cost will be \$1,712,184. The soft cost (engineering, permitting, etc.) is \$1,752,584. The total cost is \$3,464,768. The estimated Federal study cost is 10% of the total construction cost for a total of \$171,218.

***6. To the extent practicable, describe the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.***

The Robert Road Detention Pond Extension will benefit a total of 414 structures. The pond will increase the resiliency of the area and enhance the resident's quality of life. It will also reduce the amount of work days that are missed due to storm related clean-up.

**7. Does local support exist? If 'Yes', describe the local support for the proposal.**

Yes

### **Local Support Description**

The St. Tammany Parish Administration is in full support of this project and will provide all necessary resources to ensure that it is completed.

**8. Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?**

Yes

# Primary Sponsor Letter of Support

(As uploaded)

**Robert Road Detention Pond Support Letter.pdf**



## ST. TAMMANY PARISH

PATRICIA P. BRISTER  
PARISH PRESIDENT

September 9, 2016

### **Re: Robert Road Detention Pond**

Dear Sir/Madam:

On behalf of St. Tammany Parish, I am pleased to submit Robert Road Detention Pond project for consideration under WRRDA and hereby request funding assistance from United States Army Corps of Engineers.

The proposed project would expand and lower the existing storage and increase the available depth of storage by going to the most downstream point on the W-14. This would lower the starting water surface elevation in this stretch of the W-14 canal.

The Robert Road Detention Pond will serve as a surge buffer in the bi-directional channel which could further reduce water surface elevations in the W-14 and W-15 canals. This project could be further utilized as an augmented flow project for water quality.

Sincerely,

A handwritten signature in blue ink, appearing to read "Patricia P. Brister", is written over a light blue horizontal line.

Patricia P. Brister  
Parish President

# Map Document

(This is as uploaded, a blank page will show if nothing was submitted)

## Robert Road Detention Pond Maps.pdf



**Legend**

-  St. Tammany Parish Waterways
-  Storm Water Ponds
-  Critical\_Drainage\_Areas
-  Floodzones\_AE



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



# ROBERT ROAD STORM WATER POND

ST. TAMMANY PARISH  
WATERSHED STUDY



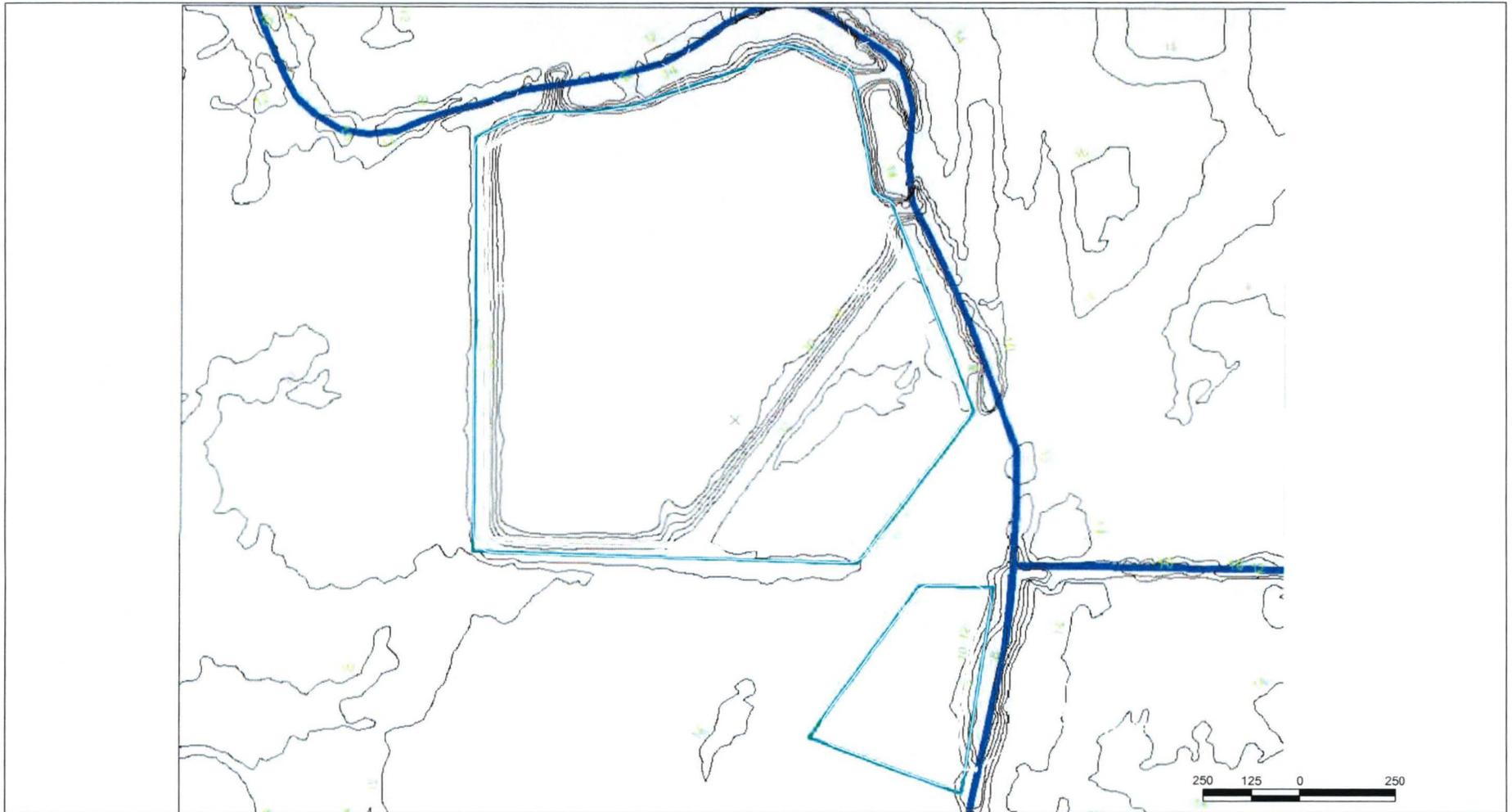
TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

ST. TAMMANY PARISH WATER QUALITY MANAGEMENT STUDY  
 COASTAL PROTECTION AND RESTORATION AUTHORITY

ST. TAMMANY PARISH, LOUISIANA



DATE: 12-1-2014  
 St. Tammany Parish Watershed Study  
 FIGURE:



TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

ST. TAMMANY PARISH WATER QUALITY MANAGEMENT STUDY  
 COASTAL PROTECTION AND RESTORATION AUTHORITY

ST. TAMMANY PARISH, LOUISIANA



DATE: 12-1-2014  
 St. Tammany Parish Watershed Study  
 FIGURE:

# Additional Proposal Information

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**Robert Road Detention Pond Cost.pdf**

Project: Robert Road Detention Pond Expansion

Waterway: W-14 Canal  
 Project Type: Storm Water Pond

<b>Construction Funding</b>				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$75,000	\$75,000
Land Clearing	AC	10	\$5,000	\$50,000
Excavation	CY	121,000	\$8	\$968,000
Inlet Structure & Outlet Structure	EA	4	\$20,000	\$80,000
Erosion Control	LS	1	\$30,000	\$30,000
Sod Side Slopes	SF	121,141	\$0.75	\$90,855
Piping	LF	650	\$300	\$195,000
			Subtotal	\$1,488,855
			15% Contingency	\$223,328
			Subtotal	\$1,712,184

<b>Soft Cost</b>				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$171,218	\$171,218
Permitting/Misc. Expense/Reimbursement	LS	1	\$30,000	\$30,000
Drainage Study & Surveying for Study	LS	1	\$150,000	\$150,000
Construction Inspection	LS	1	\$51,366	\$51,366
Land Acquisition	AC	25	\$40,000	\$1,000,000
Mitigation	AC	10	\$35,000	\$350,000
			Subtotal	\$1,752,584
			Grand Total	\$3,464,768