

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

Proposal Name: Bayou Bonfouca Regional Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: 9fe19024-8221-4318-a315-0616b6d05a0f

Purpose of Proposal: Bayou Bonfouca Regional Detention Pond- located just south of I-12, this 100 acre site would be vital to reducing the downstream flooding that has been experienced. Again, the purpose of this pond is to provide upstream detention and attenuate the peak flows. Due to the relatively flat landscape, this is the southern-most point that a detention pond of this magnitude could benefit these structures downstream along Bayou Bonfouca.

1. Administrative Details

Proposal Name: Bayou Bonfouca Regional Detention Pond

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: 9fe19024-8221-4318-a315-0616b6d05a0f

Supporting Documents

File Name	Date Uploaded
Bayou Bonfouca Regional Detention Pond Maps.pdf	09/19/2016
Bayou Bonfouca Support Letter.pdf	09/19/2016
Bayou Bonfouca Regional 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.

Bayou Bonfouca Regional Detention Pond- located just south of I-12, this 100 acre site would be vital to reducing the downstream flooding that has been experienced. Again, the purpose of this pond is to provide upstream detention and attenuate the peak flows. Due to the relatively flat landscape, this is the southern-most point that a detention pond of this magnitude could benefit these structures downstream along Bayou Bonfouca.

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
Study	\$1,579,379	\$0	\$1,579,379
Construction	\$15,793,790	\$0	\$15,793,790

Explanation (if necessary)

The project construction cost will be \$15,793,790. The soft cost (engineering, permitting, etc.) is \$9,393,193. The total cost is \$25,186,983. The estimated Federal study cost is 10% of the total construction cost for a total of \$1,579,379.

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 area benefiting from the Bayou Bonfouca Regional Detention Pond has had a total of \$42,497,266 of flood claims since 1983. Over 90% of the flooding has occurred since 2001. The construction of the pond will benefit a total of 3,466 structures. The pond will increase the resiliency of the area and enhance the resident's quality of life.

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

Map Document

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

Bayou Bonfouca Regional Detention Pond Maps.pdf



Legend

-  St. Tammany Parish Waterways
-  Storm Water Ponds
-  Critical_Drainage_Areas
-  Floodzones_AE



BAYOU BONFOUCA REGIONAL DETENTION POND

ST. TAMMANY PARISH
WATERSHED STUDY



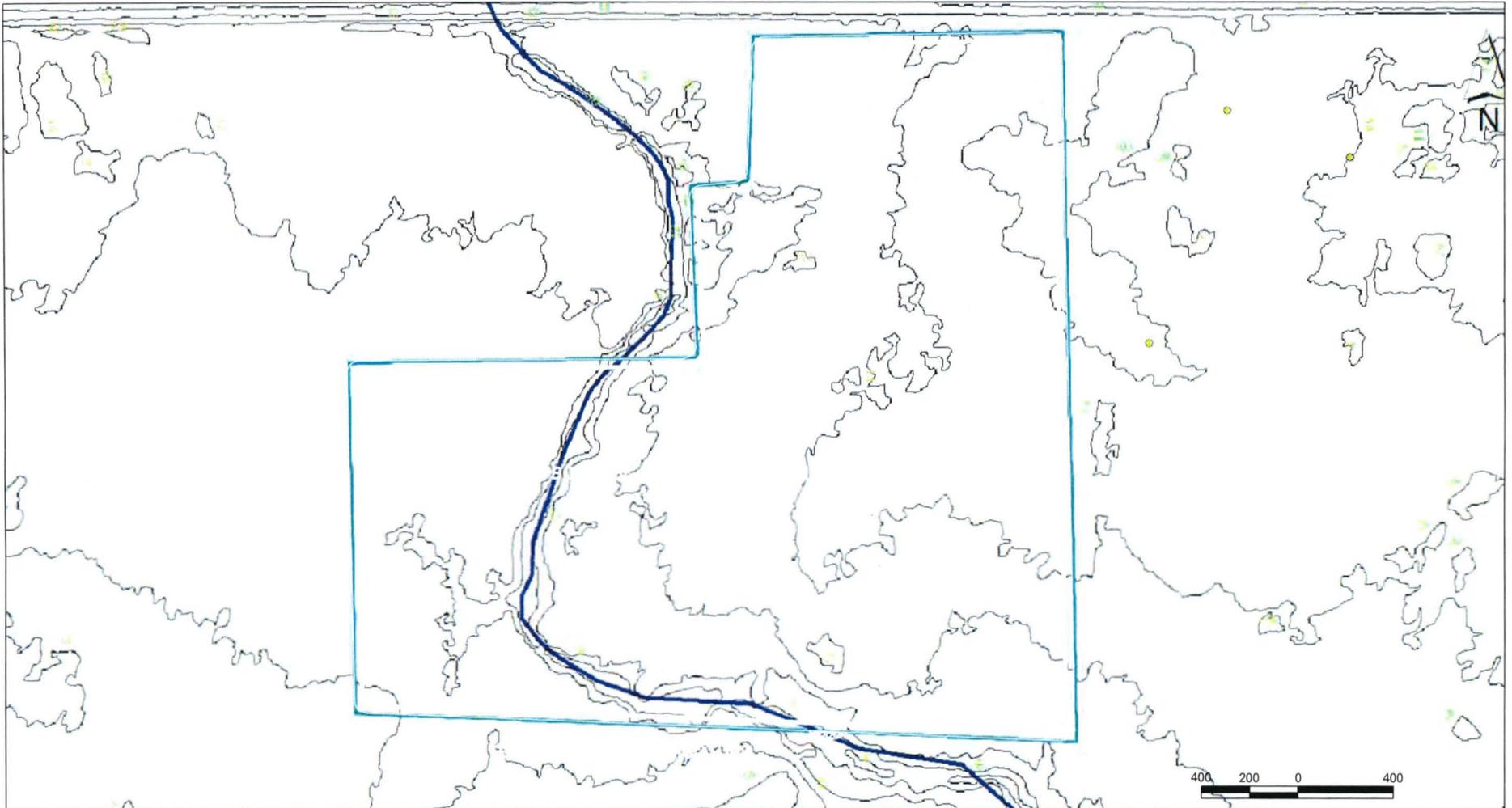
TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

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:

Primary Sponsor Letter of Support

(As uploaded)

Bayou Bonfouca Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: Bayou Bonfouca Regional Detention Pond

Dear Sir/Madam:

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

Bayou Bonfouca Regional Detention Pond will be vital to the downstream flooding that has been experienced. The purpose of this project is to provide head water hold up and attenuate peak flows.

Due to the relatively flat landscape, this is the southern-most point that a detention pond of this magnitude could benefit these structures downstream along Bayou Bonfouca.

Sincerely,

A handwritten signature in blue ink, appearing to read "Patricia P. Brister".

Patricia P. Brister
Parish President

Additional Proposal Information

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Bayou Bonfouca Regional Detention Pond Cost.pdf

Project: Bayou Bonfouca Regional Detention Pond

Waterway: Bayou Bonfouca
 Project Type: Storm Water Pond

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$650,000	\$650,000
Land Clearing	AC	109	\$5,000	\$545,000
Excavation	CY	1,230,973	\$10	\$12,309,733
Outlet Structure	EA	1	\$20,000	\$20,000
Erosion Control	LS	1	\$50,000	\$50,000
Sod Side Slopes	SF	211,996	\$0.75	\$158,997
Piping	LF	0	\$300	\$0
Subtotal				\$13,733,730
15% Contingency				\$2,060,060
Subtotal				\$15,793,790

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$1,579,379	\$1,579,379
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	\$473,814	\$473,814
Land Acquisition	AC	109	\$40,000	\$4,360,000
Mitigation	AC	80	\$35,000	\$2,800,000
Subtotal				\$9,393,193
Grand Total				\$25,186,983