

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

Proposal Name: Bayou Lacombe/LA 434 Corridor Pond

Submission Date: 09/19/2016

Proposal ID Number: eb4e90a9-ea3b-45ba-b327-1a23371a586f

Purpose of Proposal: Bayou Lacombe/LA 434 Corridor Pond—this project was presented in the August 2010 report from Neel-Schaffer South Central Study Area Drainage Master Plan. This goal of this project is to provide the necessary detention for the expected growth along the 434 corridor. The long term goal is a regional detention pond of approximately 131 surface acres with a functional depth of approximately 12 feet. While this project is geared toward providing detention for the developed portion of the site, its proximity to Bayou Lacombe could allow modification to provide storage due to tail water back up during major rain events.

1. Administrative Details

Proposal Name: Bayou Lacombe/LA 434 Corridor Pond

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: eb4e90a9-ea3b-45ba-b327-1a23371a586f

Supporting Documents

File Name	Date Uploaded
Bayou Lacombe 434 Corridor Pond Budget.pdf	09/19/2016
Bayou Lacombe-LA 434 Support Letter.pdf	09/19/2016
Bayou Lacombe 434 Corridor Pond Map.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 Lacombe/LA 434 Corridor Pond—this project was presented in the August 2010 report from Neel-Schaffer South Central Study Area Drainage Master Plan. This goal of this project is to provide the necessary detention for the expected growth along the 434 corridor. The long term goal is a regional detention pond of approximately 131 surface acres with a functional depth of approximately 12 feet. While this project is geared toward providing detention for the developed portion of the site, its proximity to Bayou Lacombe could allow modification to provide storage due to tail water back up during major rain events.

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	\$773,263	\$0	\$773,263
Construction	\$7,732,632	\$0	\$7,732,632

Explanation (if necessary)

The project construction cost will be \$7,732,632. The soft cost (engineering, permitting, etc.) is \$96,749. The total cost is \$7,829,381. The estimated Federal study cost is 10% of the total construction cost for a total of \$773,263.

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 construction of the Bayou Lacombe/LA 434 Corridor Pond will benefit a total of 449 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

Additional Proposal Information

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Bayou Lacombe 434 Corridor Pond Budget.pdf

Project: Bayou Lacombe _LA 434 Detention Pond

Waterway: Bayou Lacombe
 Project Type: Storm Water Pond

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Clearing and Grubbing for Constructio & ESMTS	AC	14	\$5,000	\$70,000
Drainage Excavation	CY	800000	\$8	\$6,400,000
Riprap	SY	4,500	\$50	\$225,000
Geotextile Fabric	SY	11000	\$2.50	\$27,500
Pavement Removal & Replacement	SY	500	\$65	\$32,500
Remove Existing 36"x24" ERCP	LF	50	\$17.55	\$878
Reinforced Concrete Box Culverts (3 8x4 @ 60 L.F.)	LF	320	\$560	\$179,200
Stone Backfill	SY	400	\$7.30	\$2,920
Temporary Silt Fence	LF	15000	\$1.95	\$29,250
Seed & Mulch Disturbed Areas	AC	10	\$1,000	\$10,000
Surveying	LS	1	\$5,000	\$5,000
Geotechnical Testing/Lab	LS	1	\$1,000	\$1,000
Mobilization	LS	1	\$46,418	\$46,418
			Subtotal	\$7,029,666
			10% Contingency	\$702,967
			Subtotal	\$7,732,632

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering & Permittingn (15%)	LS	1	\$84,249	\$84,249
Wetland Impacts	AC	0.5	\$25,000	\$12,500
			Subtotal	\$96,749
			Grand Total	\$7,829,381

*Prices were taken from the St. Tammany Parish South Central Study Area Drainage Master Plan from August 2010 done by Neel Schaffer, Inc.

Primary Sponsor Letter of Support

(As uploaded)

Bayou Lacombe-LA 434 Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: Bayou Lacombe/LA Hwy 434 Corridor Pond

Dear Sir/Madam:

On behalf of St. Tammany Parish, I am pleased to submit the Bayou Lacombe/LA Hwy 434 Corridor Pond project for consideration under WRRDA and hereby request funding assistance from United States Army Corps of Engineers.

This goal of this project is to provide the necessary detention for the expected growth along the 434 corridor. Long term, Parish plans include a regional detention pond of approximately 131 surface acres with a functional depth of approximately 12 feet.

While this project is geared toward providing detention for the developed portion of the site, its proximity to Bayou Lacombe allows for it to be modified to also providing storage due to tail water back up during major rain events.

Sincerely,

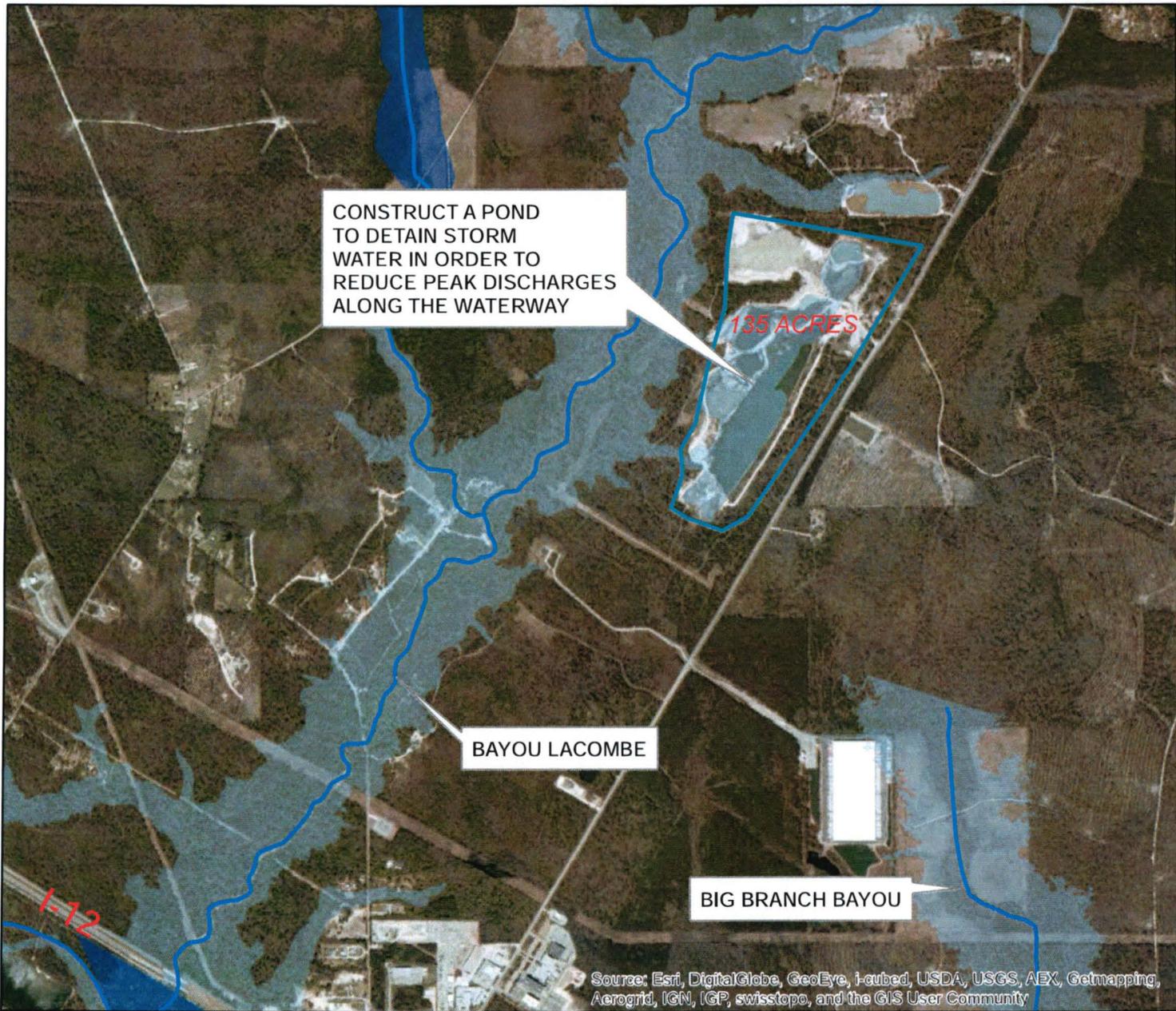
A handwritten signature in blue ink, appearing to read "Patricia P. Brister".

Patricia P. Brister
Parish President

Map Document

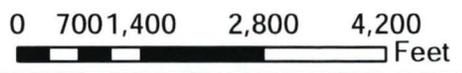
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Bayou Lacombe 434 Corridor Pond Map.pdf



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



BAYOU LACOMBE_LA 434 DETENTION POND

ST. TAMMANY PARISH
WATERSHED STUDY