

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

Proposal Name: Belair South Detention Pond

Submission Date: 09/19/2016

Proposal ID Number: a78bd94a-a0de-491e-8d7a-6fd2f56ef1a9

Purpose of Proposal: Belair North and Belair South—two regional detention projects aimed at reducing the RL and SRL flooding along Bayou Liberty below I-12. As noted in Burk-Klienpeter Inc.'s (BKI) Bayou Liberty watershed management plan these two ponds, each over 100 acres in size, can provide in excess of 1400 acre-ft of storage. As identified by BKI, these two projects along with the “Raising Tammany Trace Bridge Improvements” could provide as much as 2.0 feet of reduction in the water surface elevation during a 100 year storm.

1. Administrative Details

Proposal Name: Belair South Detention Pond

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: a78bd94a-a0de-491e-8d7a-6fd2f56ef1a9

Supporting Documents

File Name	Date Uploaded
Belair South Detention Pond Map.pdf	09/19/2016
Belair North South Support Letter.pdf	09/19/2016
Belair South 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.

Belair North and Belair South—two regional detention projects aimed at reducing the RL and SRL flooding along Bayou Liberty below I-12. As noted in Burk-Klienpeter Inc.'s (BKI) Bayou Liberty watershed management plan these two ponds, each over 100 acres in size, can provide in excess of 1400 acre-ft of storage. As identified by BKI, these two projects along with the “Raising Tammany Trace Bridge Improvements” could provide as much as 2.0 feet of reduction in the water surface elevation during a 100 year storm.

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	\$1,210,483	\$0	\$1,210,483
Construction	\$12,104,829	\$0	\$12,104,829

Explanation (if necessary)

The project construction cost will be \$12,104,829. The soft cost (engineering, permitting, etc.) is \$5,683,628. The total cost is \$17,788,457. The estimated Federal study cost is 10% of the total construction cost for a total of \$1,210,483.

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 Belair North and Belair South Regional Detention Ponds will benefit a total of 2,498 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

Map Document

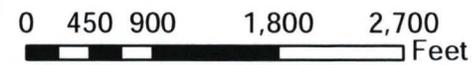
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Belair South Detention Pond Map.pdf



Legend

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



STORM WATER POND NEAR BAYOU LIBERTY BELAIR SOUTH

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)

Belair North South Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: Belair Subdivision North and Belair Subdivision South Detention Ponds

Dear Sir/Madam:

On behalf of St. Tammany Parish, I am pleased to submit the Belair Subdivision North and Belair Subdivision South Detention Ponds project for consideration under WRRDA and hereby request funding assistance from United States Army Corps of Engineers.

Belair North and Belair South are two regional detention projects aimed at reducing the Repetitive Loss and Severe Repetitive Loss flooding along Bayou Liberty below I-12.

Both ponds, each over 100 acres in size, can provide in excess of 1400 acre-ft of storage these two projects along with the "Raising Tammany Trace Bridge Improvements" could provide as much as 2.0 feet of reduction in the water surface elevation during a 100 year storm.

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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Belair South Detention Pond Cost.pdf

Project: Belair South Detention Pond

Waterway: Bayou Liberty
 Project Type: Storm Water Pond

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$501,000	\$501,000
Land Clearing	AC	72	\$5,000	\$360,000
Excavation	CY	1,161,600	\$8	\$9,292,800
Inlet Structure & Outlet Structure	EA	2	\$20,000	\$40,000
Erosion Control	LS	1	\$30,000	\$30,000
Sod Side Slopes	SF	302,851	\$0.75	\$227,138
Piping	LF	250	\$300	\$75,000
			Subtotal	\$10,525,938
			15% Contingency	\$1,578,891
			Subtotal	\$12,104,829

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$1,210,483	\$1,210,483
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	\$363,145	\$363,145
Land Acquisition	AC	72	\$40,000	\$2,880,000
Mitigation	AC	30	\$35,000	\$1,050,000
			Subtotal	\$5,683,628
			Grand Total	\$17,788,457