

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

Proposal Name: W-14 West Diversion East

Submission Date: 09/19/2016

Proposal ID Number: 9d6b6d36-fea8-4db5-88c8-314742552206

Purpose of Proposal: W-14/ West Diversion East - this small pond site is located in a highly developed area of Slidell along the W-14. The area both upstream and downstream has experienced very heavy flooding in the past due to rapid growth without maintaining the necessary flood plain storage or providing detention. Therefore, this project would provide for storage lost within the basin. Although this site is only 9 acres in size, it would provide approximately 45 acre-feet of needed storm water detention.

1. Administrative Details

Proposal Name: W-14 West Diversion East

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: 9d6b6d36-fea8-4db5-88c8-314742552206

Supporting Documents

File Name	Date Uploaded
W14 West Diversion East Support Letter.pdf	09/19/2016
W-14 West Diversion East Cost.pdf	09/19/2016
W-14 West Diversion East 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.

W-14/ West Diversion East - this small pond site is located in a highly developed area of Slidell along the W-14. The area both upstream and downstream has experienced very heavy flooding in the past due to rapid growth without maintaining the necessary flood plain storage or providing detention. Therefore, this project would provide for storage lost within the basin. Although this site is only 9 acres in size, it would provide approximately 45 acre-feet of needed storm water detention.

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	\$137,711	\$0	\$137,711
Construction	\$1,377,106	\$0	\$1,377,106

Explanation (if necessary)

The project construction cost will be \$1,377,106. The soft cost (engineering, permitting, etc.) is \$1,034,024. The total cost is \$2,411,130. The estimated Federal study cost is 10% of the total construction cost for a total of \$137,711.

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 W-14/ West Diversion East Pond will benefit a total of 116 structures. Since 1995, there have been a total of four flood events which have accounted for \$11,018,962 in damage claims. 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)

W14 West Diversion East Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: W-14/West Diversion East

Dear Sir/Madam:

On behalf of St. Tammany Parish, I am pleased to submit W-14/West Diversion East project for consideration under WRRDA and hereby request funding assistance from United States Army Corps of Engineers.

W-14/ West Diversion East is a small pond site located in a highly developed area of Slidell along the W-14. The area both up and downstream has experienced very heavy flooding in the past due rapid growth without maintaining the necessary flood plain storage or providing detention.

This project would provide for storage lost within the basin. Although this site is only nine acres in size, it would provide approximately 45 acre-feet of needed storm water detention.

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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W-14 West Diversion East Cost.pdf

Project: W-14_West Diversion East

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

Construction Funding				
Item	Unit	Quantity	Unit Cost	Total Cost
Mobilization	LS	1	\$60,000	\$60,000
Land Clearing	AC	9	\$5,000	\$45,000
Excavation	CY	87,120	\$10	\$871,200
Inlet Structure & Outlet Structure	EA	2	\$20,000	\$40,000
Erosion Control	LS	1	\$15,000	\$15,000
Sod Side Slopes	SF	181,711	\$0.75	\$136,283
Piping	LF	100	\$300	\$30,000
			Subtotal	\$1,197,483
			15% Contingency	\$179,622
			Subtotal	\$1,377,106

Soft Cost				
Item	Unit	Quantity	Unit Cost	Total Cost
Engineering Design and Survey	LS	1	\$137,711	\$137,711
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	\$41,313	\$41,313
Land Acquisition	AC	9	\$40,000	\$360,000
Mitigation	AC	9	\$35,000	\$315,000
			Subtotal	\$1,034,024
			Grand Total	\$2,411,129

Map Document

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

W-14 West Diversion East Map.pdf



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

Legend

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



STORM WATER POND IN W-14 BASIN WEST DIVERSION EAST

ST. TAMMANY PARISH
WATERSHED STUDY



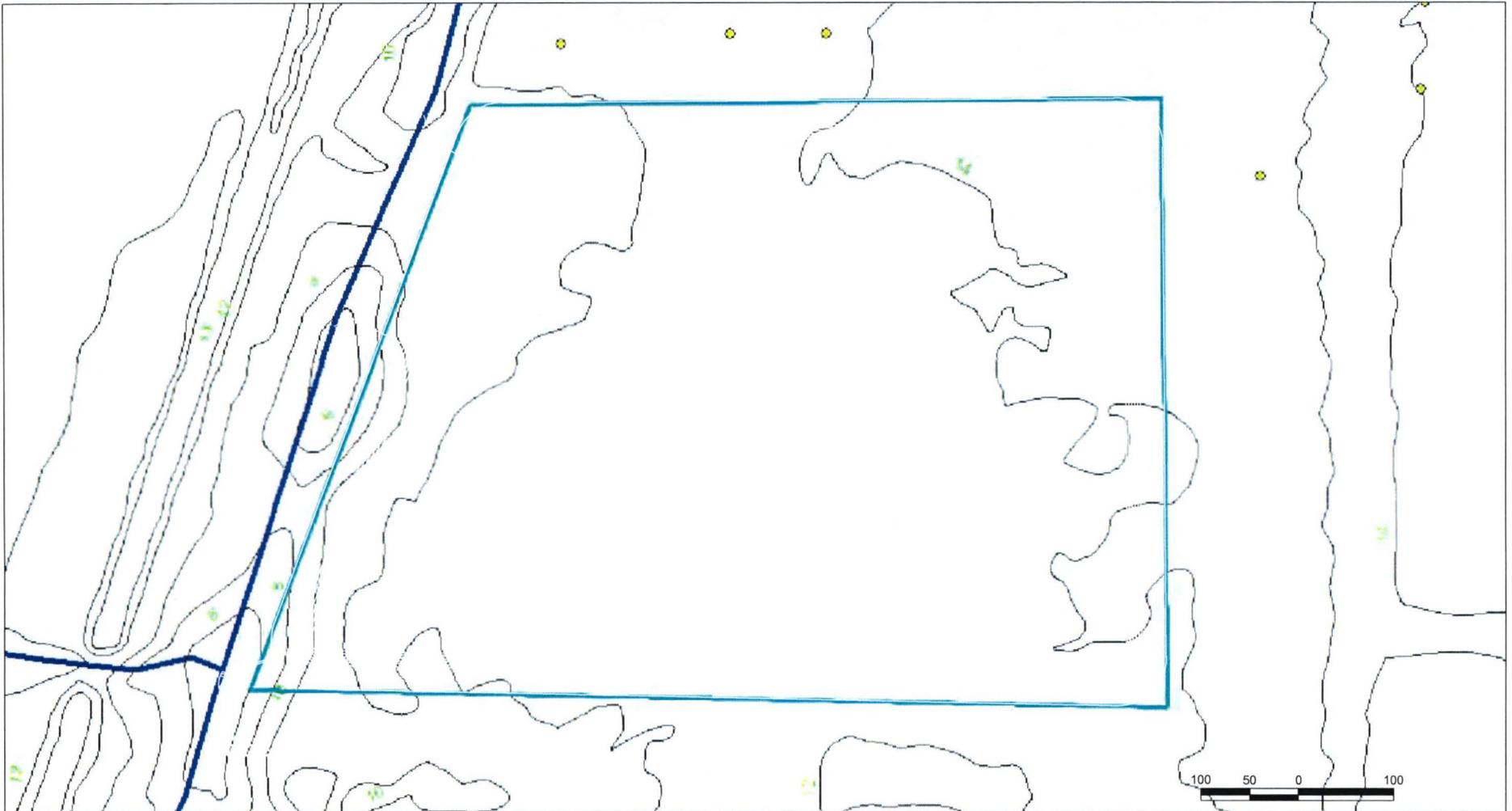
TYPICAL WASTEWATER INFRASTRUCTURE CONCEPTUAL PLAN

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
 IN: St. Tammany Parish Watershed
 Study
 FIGURE: