

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

Proposal Name: Schneider Canal Pump Station Improvements

Submission Date: 09/19/2016

Proposal ID Number: 1a77bab9-c45f-43dc-aeae-74f14957aa1a

Purpose of Proposal: The Schneider Canal drainage pump station improvements projects (also known as levee segment 2b) is a part of the Slidell Levee system that will ultimately protect a major portion of southern Slidell. At this time, some segments of the levee system are completed and some are in the planning stages. This levee segment 2b will connect two existing levee segments and will consist of T-walls with six sluice gates matching the six existing pump station discharges approximately 70-ft upstream. The T-walls will span between existing earthen levees with the Oak Harbor ring levee to the south and a short segment on the north side that continues to US Hwy 11. Elevation of Hwy 11 to match the levee height is scheduled to bid in October, 2016 and construction should be finished by the summer of 2017. There is an existing levee on the west side of US Hwy 11, so when the highway elevation is completed, the only missing link to flood protect southern Slidell from I-10 to Norfolk Southern railroad would be this T-wall segment.

1. Administrative Details

Proposal Name: Schneider Canal Pump Station Improvements

by Agency: St. Tammany Parish Government

Locations: LA

Date Submitted: 09/19/2016

Confirmation Number: 1a77bab9-c45f-43dc-aeae-74f14957aa1a

Supporting Documents

File Name	Date Uploaded
Scheider Canal Pump Station Improvements Map.pdf	09/19/2016
Scheider Canal Pump Station Improvements Cost.pdf	09/19/2016
Schneider Canal Pump Station Support Letter.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.

The Schneider Canal drainage pump station improvements projects (also known as levee segment 2b) is a part of the Slidell Levee system that will ultimately protect a major portion of southern Slidell. At this time, some segments of the levee system are completed and some are in the planning stages.

This levee segment 2b will connect two existing levee segments and will consist of T-walls with six sluice gates matching the six existing pump station discharges approximately 70-ft upstream. The T-walls will span between existing earthen levees with the Oak Harbor ring levee to the south and a short segment on the north side that continues to US Hwy 11. Elevation of Hwy 11 to match the levee height is scheduled to bid in October, 2016 and construction should be finished by the summer of 2017. There is an existing levee on the west side of US Hwy 11, so when the highway elevation is completed, the only missing link to flood protect southern Slidell from I-10 to Norfolk Southern railroad would be this T-wall segment.

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	\$505,000	\$0	\$505,000
Construction	\$5,050,000	\$0	\$5,050,000

Explanation (if necessary)

The project construction cost will be \$5,050,000. The soft cost (engineering, permitting, etc.) is \$505,000. The total cost is \$5,555,000. The estimated Federal study cost is 10% of the total construction cost for a total of \$505,000.

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 benefits are mitigating flood damages for approximately 1500 acres of the mostly residential and commercial properties (about 2000 structures). Monetarily, this can be quantified, by the large number of RL/ SRL properties in this area. It will also reduce the damages to roadways, drainage, and utilities occurs due to flooding.

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.

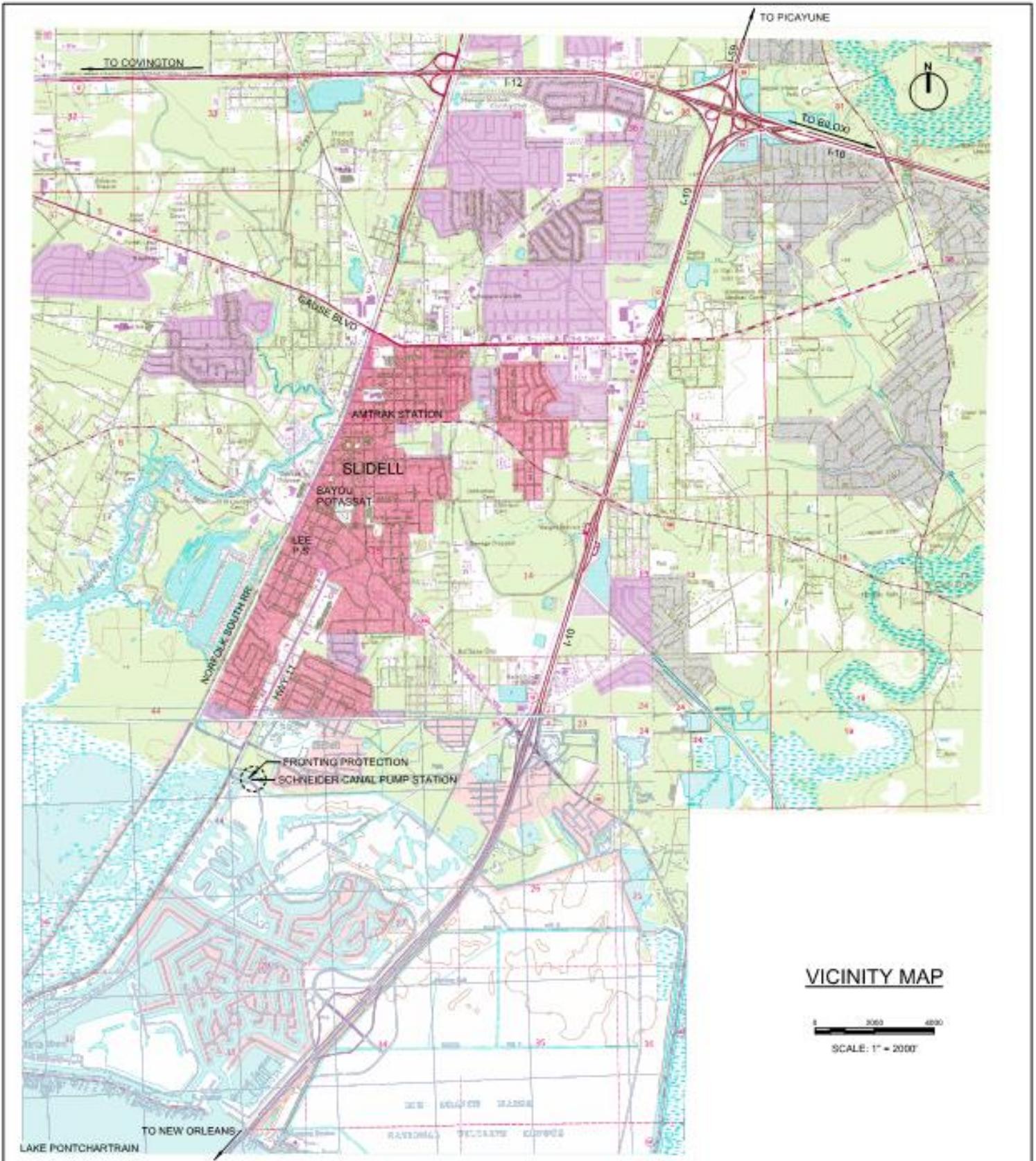
8. Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?

Yes

Map Document

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

Scheider Canal Pump Station Improvements Map.pdf

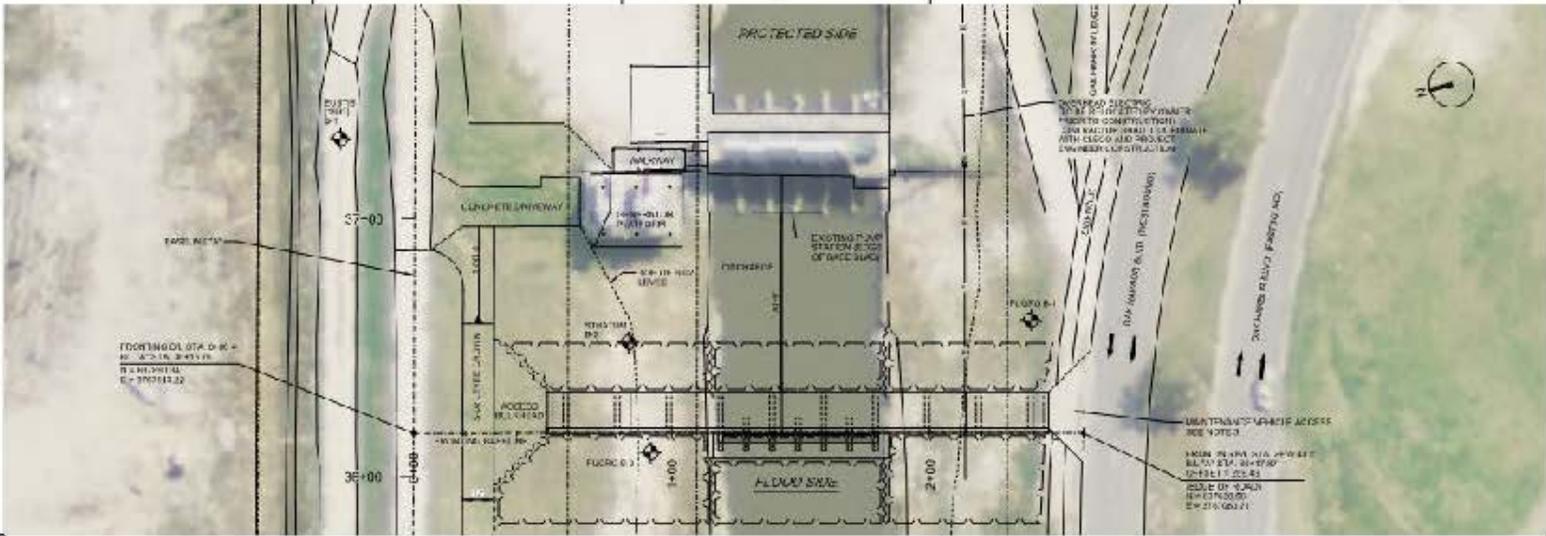


VICINITY MAP

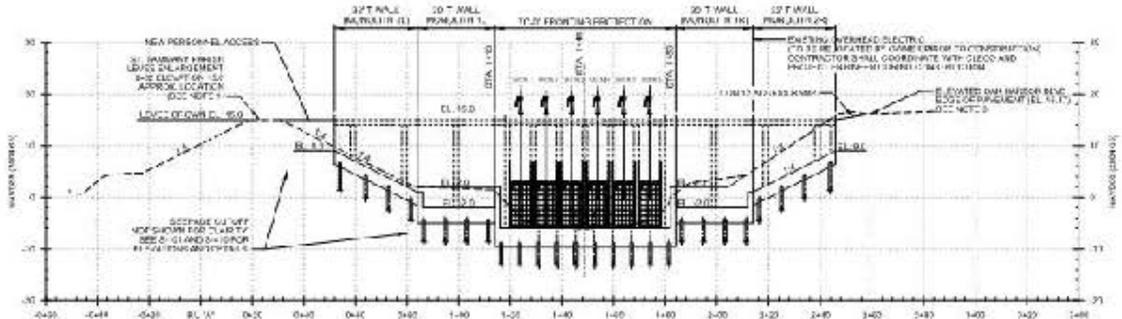


TO NEW ORLEANS

STATE ROUTE 1000
STATE ROUTE 1000



PLAN
SCALE: 1" = 10'



PROFILE
SCALE: 1" = 2'

- LEGEND**
- ATTEND TO 10' OF WAY
 - ATTEND TO 5' OF WAY
 - CONSTRUCTION CEMENT
 - EYE LINE
 - ROAD
 - ◆ BOUNDARY

- NOTES:**
1. LEVEL UNIFORMITY OF LAPAR ENHANCED BY ST. WAINWY PART 1/PT 2 SURVEY. CONSTRUCTION GRADE = EL. 15.0
 2. SEE PLAN FOR ALARM HORN AND MANUAL ALARM FINAL WORKING PLAN
 3. IF TEMPORARY FENCES MAY ELEVATE OVER BARBER B. 105, BEFORE FRONTING PROTECTION, THE CONTRACTOR SHALL COORDINATE WITH THE SUBJECT PROPERTY AND WORTHINGTON POLICE DEPARTMENT TO VERIFY THE FENCE
 4. THE OVERHEAD ELECTRIC LINE ON THE SITE IS ORIGINAL TO BE RELOCATED BY OWNER PRIOR TO CONSTRUCTION.
 5. SEE PLAN FOR ACCIDENTAL FRONTING PROTECTION ELEVATIONS AND DIMENSIONS

Additional Proposal Information

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

Scheider Canal Pump Station Improvements Cost.pdf

8/25/2015

**Schneider PS Fronting Protection
Quantity and Cost Data**

Item No.	Description	Unit	Quantity	Unit Price	Amount
1	Sheetpile in Cofferdam	SF	35,000	\$ 25.00	\$875,000
2	Steel Bracing and Struts	Ton	75	\$ 2,000.00	\$150,000
3	Excavation	CY	1,200	\$ 12.00	\$14,400
4	Embankment	CY	1,000	\$ 15.00	\$15,000
5	Dewatering	Lump Sum	1	Lump	\$150,000
6	14 X 73 Steel H-Piles	LF	8,800	\$ 95.00	\$836,000
7	Steel Sheet Pile PZ-22	SF	13,800	\$ 35.00	\$483,000
8	Concrete Slab Slab	CY	100	\$ 200.00	\$20,000
9	Concrete in Base Slabs	CY	520	\$ 600.00	\$312,000
10	Concrete in Walls	CY	470	\$ 850.00	\$399,500
111	Crushed Stone	TON	950	\$ 60.00	\$57,000
12	Riprap	TON	1,200	\$ 60.00	\$72,000
13	Bridge Deck	SF	2,800	\$ 40.00	\$112,000
14	Slide gates and machinery	Ea	6	\$ 80,000.00	\$480,000
15	Electrical	Lump Sum	1	\$ 200,000	\$200,000
18	Seperator Geotextile	SY	1,700	\$ 10.00	\$17,000
	Sub Total				\$4,192,900
	Contingencies 20%				\$857,100
	Total				\$5,050,000

Primary Sponsor Letter of Support

(As uploaded)

Schneider Canal Pump Station Support Letter.pdf



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

September 9, 2016

Re: Schneider Canal Pump Station Improvements (Levee Segment 2B)

Dear Sir/Madam:

On behalf of St. Tammany Parish, I am pleased to submit the Schneider Canal Pump Station Improvements (Levee Segment 2B) project for consideration under WRRDA and hereby request funding assistance from United States Army Corps of Engineers.

The Schneider Canal project will protect a major portion of southern Slidell. Levee segment 2B will connect two existing levee segments and will consist of T-walls with six sluice gates matching the six existing pump station discharges approximately 70 feet upstream.

Benefits include mitigating flood damages for approximately 1,500 acres of the mostly residential and commercial properties. Monetarily, this can be quantified, by the large number of Repetitive Loss/ Severe Repetitive Loss properties in this area. It will also reduce the damages to roadways, drainage, and utilities occurs due to flooding.

Sincerely,

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

Patricia P. Brister
Parish President

OFFICE OF THE PARISH PRESIDENT

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