

1. Administrative Details

**Proposal Name: Port Arthur and Vicinity, TX, Urban Watershed
Municipal Drainage Improvement Project**

by Agency: Jefferson County Drainage District No. 7

Locations: TX

Date Submitted: 08/20/2018

Confirmation Number: cb786c61-4931-4f23-abfb-855c3bccaa8f

Supporting Documents

| File Name | Date Uploaded |
|--------------------------------------|----------------------|
| DD7Map.pdf | 08/17/2018 |
| DD7 - 7001 Project Cost Estimate.pdf | 08/17/2018 |
| WRRDA 7001 Letter of Support.pdf | 08/20/2018 |

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 |
|---|---|
| Jefferson County Drainage District No. 7(Primary) | Jefferson County Drainage District No. 7 supports this Sec 7001 proposal for improvements to the authorized Port Arthur and Vicinity, TX Hurricane Flood Protection Project (HFPP). The project will work synergistically to manage regional flood risks with the project authorized in the Flood Control Act of 1962 and the Sabine Pass to Galveston Bay Coastal Storm Risk Management Project, which is funded under the Bipartisan Budget Act of 2018. |

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.

[x] Modification to an Authorized USACE Project : Section 203, Flood Control Act of 1962 (P.L. 87-874) (76 STAT. 1184)

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 proposed modification to the Port Arthur And Vicinity, TX HFPP is intended to reduce the risk of flooding within the Port Arthur and vicinity due to extreme rainfall events. The proposed improvements include items such as increasing pumping capacities by modifying existing pump stations or construction of new pump stations, construction of storm water detention, and increased storm water conveyance through channelization and structure upgrades. The proposed improvements are intended to operate synergistically with the Sabine Pass to Galveston Bay Coastal Storm Risk Management Project.

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 | \$1,500,000 | \$1,500,000 | \$3,000,000 |
| Construction | \$221,000,000 | \$119,000,000 | \$340,000,000 |

Explanation (if necessary)

Construction costs based on work completed within the last 5 years on similar facilities (such as Alligator Pump Station and other channel improvement and storm detention sites) within the Port Arthur Area.

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 constructed project would reduce flood damages to properties from extreme rainfall events, and provide for increased resilience to flooding of properties, transportation systems, petrochemical industries, and critical infrastructure, in Port Arthur and Vicinity, TX, on the order of \$100 Billion. Given that Port Arthur and Vicinity petrochemical industries produce a significant amount of the Nation's petroleum based energy products, reducing flood risks of these plants and its workers who reside in flood-prone areas, and providing for greater resiliency, is a National security benefit. The environmental benefit of providing for this project is reduce the risks of water treatment plant and chemical spills due to flooding, which is a threat to human and environmental health and safety. The non-monetary benefits would include reduce risks to loss of life due to regional flooding, especially to residents with insufficient means.

7. Does local support exist? If 'Yes', describe the local support for the proposal.

Yes

Local Support Description

There have been numerous meetings between Jefferson County Drainage District No. 7, Jefferson County, City of Port Arthur, City of Port Neches, City of Nederland and the City of Groves to discuss mitigation efforts to address the flooding that occurred due to the excessive rainfall associated with Hurricane Harvey. The entities have agreed to work together to identify issues and solutions that benefit all parties. At this time all entities except Jefferson County Drainage District No. 7 have received some level of funding from \$2M to \$11 M for disaster recovery. All of the entities are proposing to spend the funds on projects that will enhance the drainage in the region. However, without a comprehensive approach, that includes the existing authorized Port Arthur HFPP and the proposed Sabine Pass to Galveston Bay project, there is no guarantee that the projects will be complimentary. This application is a direct result of this discussion. Additionally the group will continue to meet on a quarterly basis to further these goals. The estimated \$1.4 Billion in damages to the region is a strong motivation to continued cooperation.

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

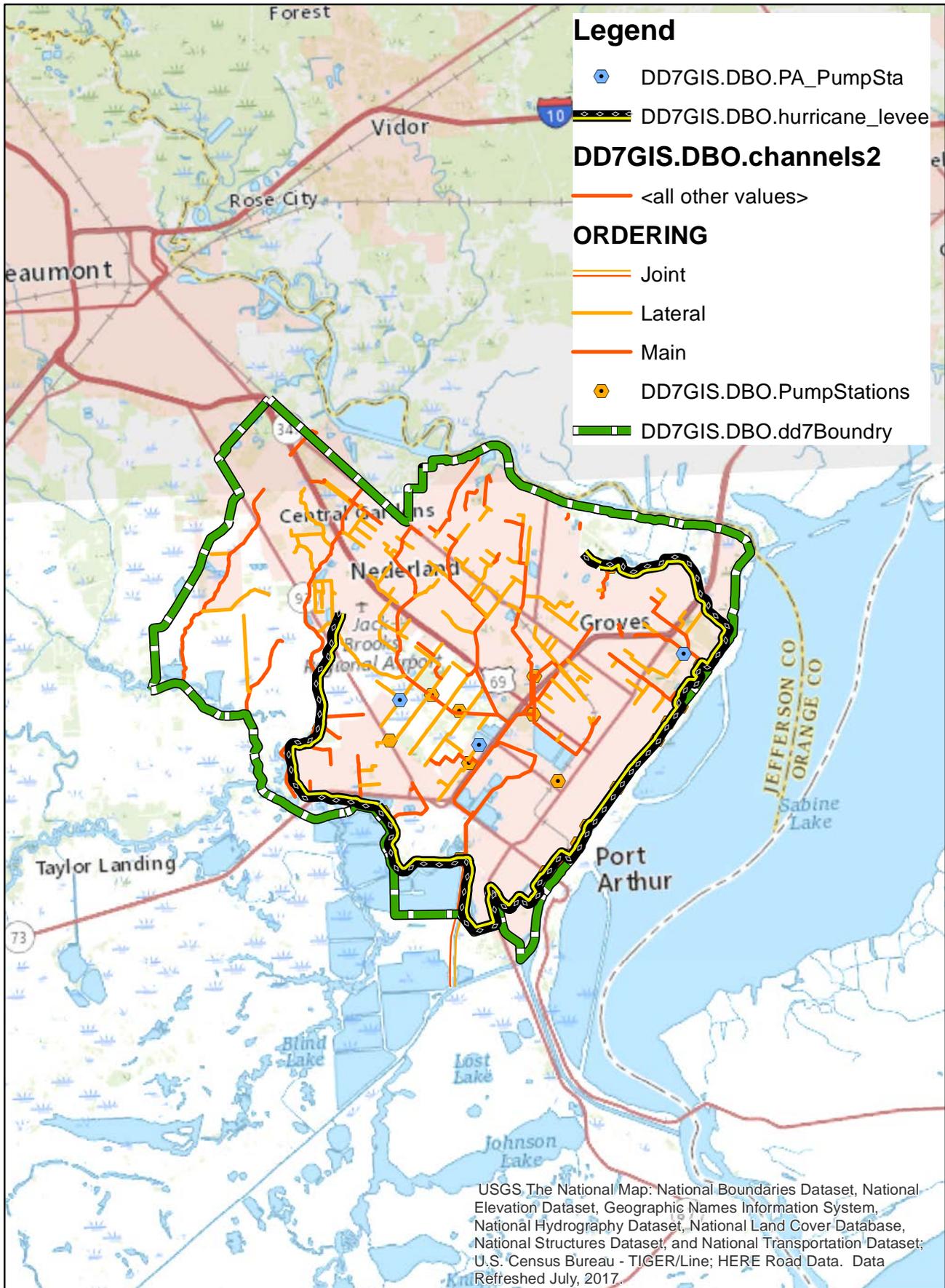
Yes

Map Document

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

DD7Map.pdf

Jefferson County Drainage District No. 7



Additional Proposal Information

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DD7 - 7001 Project Cost Estimate.pdf

**PRELIMINARY ENGINEERS ESTIMATE OF PROJECT COST
JEFFERSON COUNTY DRAINAGE DISTRICT NO. 7**

PROJECT: Port Arthur and Vicinity, TX, Urban Watershed Municipal Drainage Improvement Project

| DESCRIPTION | ESTIMATED QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------------------------------|--------------------|------|--------------|--------------|
| ADD PUMPING TO EXISTING STATION | 4 | EACH | \$8,000,000 | \$32,000,000 |
| NEW PUMP STATION | 1 | EACH | \$21,000,000 | \$21,000,000 |
| DETENTION FACILITIES | 6 | EACH | \$6,000,000 | \$36,000,000 |
| CHANNEL CONVEYANCE UPGRADE | 4 | EACH | \$2,500,000 | \$10,000,000 |
| DIVERSION WITH PUMP STATION | 1 | EACH | \$80,000,000 | \$80,000,000 |

SUBTOTAL \$179,000,000

USACE LABOR (25%) \$44,750,000

ENGINEERING AND LEGAL (25%) \$44,750,000

CONTINGENCIES (40%) \$71,500,000

TOTAL ESTIMATED COST \$340,000,000

Primary Sponsor Letter of Support

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WRRDA 7001 Letter of Support.pdf

PHIL KELLEY
MANAGER



COMMISSIONERS

RICHARD BEAUMONT
CHAIRMAN

BILLY JOE BUTLER
JAMES GAMBLE, SR.
LESTER CHAMPAGNE
ALBERT MOSES, JR.

August 20, 2018

Mr. James Dalton
Director of Civil Works
U. S. Army Corps of Engineers
441 G Street NW
Washington, DC 20314-1000

Re: Letter of Support

Dear Mr. Dalton:

Jefferson County Drainage District No. 7 (DD7) is pleased to submit the attached WRRDA 7001 application for the Port Arthur and Vicinity, TX Urban Watershed Municipal Drainage Improvement Project. The proposed project will address flooding associated with severe rainfall events and will serve to enhance the Port Arthur and Vicinity, Texas Hurricane Flood Protection Levee System constructed in the 1970's and the current Sabine Pass to Galveston Bay Project by addressing the need for additional pumping capacity and interior drainage issues within the federally constructed levee system. This ongoing problem constitutes a threat to both public and private infrastructure which further threatens the economy of the nation due to the large amount of petrochemical refining that occurs within the project area.

DD7 hereby expresses support and intent to serve as the non-Federal local sponsor for a potential Congressional Authorization and, subsequently, a future Project Partnership Agreement (PPA). DD7 understands the responsibilities of the non-Federal Sponsor and is prepared to provide funds and/or in kind services as the non-Federal match for our project.

I believe the attached packet of information provides the requested data. DD7 looks forward to continuing our positive relationship with the Galveston District and providing additional support to this project. If you have any questions or need additional information, please contact Phil Kelley, General Manager, at 409-985-4369.

Sincerely,

Richard Beaumont
Chairman

"Storm Water Management • Serving South Jefferson County"

OFFICE LOCATION: 4749 Twin City Highway, Suite 300, Port Arthur Texas 77642

MAILING ADDRESS: P.O. Box 3244, Port Arthur Texas 77643-3244

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