1. Administrative Details

Proposal Name: STORMWATER RETENTION AND FLOOD PROTECTION

by Agency: Daytona Beach

Locations: FL

POC Name:

POC Phone:

POC Email: Date Submitted: 09/24/2015

Confirmation Number: 43df60cf-4457-4d5c-a180-1d45299fa126

Supporting Documents

File Name	Date Uploaded
EVRWA-Letter-of-support.pdf	09/23/2015
Taylor Letter of support for Daytona Beach Stormwater.pdf	09/23/2015
Final Report August 2010.pdf	09/24/2015
Chisholm-City Letter of support.pdf	09/23/2015
Costello Letter.pdf	09/23/2015

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**
City of Daytona Beach(Primary)	The City of Daytona Beach has been supportive of this project since severe flooding occurred in 2009, inundating much of the heart of the community known as Midtown. A number of resolutions have been adopted supporting the issue and the expenditure of funds, beginning with Resolution 09-172 in 2009. Since 2009, the City has expended nearly $8 million in infrastructure improvements to try to begin to reduce the severity of the issue.

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] 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.

Determine the feasibility of USACE partnering with the City and others to construct a sustainable, resilient stormwater retention and flood protection project that would protect the citizens and economic vitality of Daytona Beach. The scope of the study would be similar to the scope under the continuing authorities program. The City of Daytona Beach has a critical need to minimize flooding in the area located south of CR 4050 (Orange Avenue), north of SR 400 (Beville Road), east of SR 5A (Nova Road), and west of US 1 (S. Ridgewood Avenue). The study area has experienced several severe flooding events (including 2004, 2009, and 2014) impacting as many as 800 structures and causing $72 million in property damage. Storms frequently overwhelm existing stormwater management systems causing severe flooding throughout the study area. As a result of the significant property damage caused by flooding, there has been a tremendous negative impact on the lives of our residents. Improved stormwater retention and transmission will improve the water quality of the Halifax River, thereby improving the sustainability of the environment. Raw sewage currently mixes with flood waters in extreme events and flows directly to the Intracoastal Waterway. Flood risk management is a core USACE mission with the intent of reducing the risk of loss of life, reducing long-term economic damages to the public and private sector, and improving the natural environment. This is a proposed water resources project of which the primary purpose is flood and storm damage reduction. The USACE believes the responsibility for flood risk management in the United States is a shared responsibility among multiple Federal, state, and local government agencies. The City of Daytona Beach agrees with and supports this shared approach. In 2010, the City completed a study of the problem and developed a three-phase plan of action. The City has spent approximately $7.8 million on improvements. New authorization is nee

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	$250,000	$150,000	$400,000
Construction	$26,500,000	$26,500,000	$53,000,000

Explanation (if necessary)

The cost estimate for the feasibility study is $100,000 for the Reconnaissance Phase and $300,000 for Feasibility Phase.

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.

This project is needed to alleviate flooding in the heart of Daytona Beach, an area known as Midtown, where flooding is a recurring problem due to its low elevation, the frequent breaching of the Nova Canal, which is no longer able to sustain the amount of water coming into it during flood events, and the continued impact of sea-level rise. Midtown is primarily a residential community inhabited by lower income residents.
During a 10-year period, Midtown experienced three significant flooding events. In 2004, Hurricane Frances produced six to 10 inches of heavy rain resulting in severe flooding in Midtown. Following in 2009, an unnamed storm resulted in severe flooding which impacted nearly 800 homes and produced $68.6 million in property damage. Most recently in 2014, another unnamed storm impacted 30 homes and produced $3.65 million in property damage. Many of the lower income residents are dependent on public transportation. Buses cannot run and vehicles cannot access the area during a major storm event. There are U.S. routes and several State highways that traverse the flood-prone area. This project would improve transportation to these areas, ensuring they are accessible during storm events and other times where national security interests require mobility. There is limited or no access for residents to public safety (police/fire and EMT) when the area is flooded. Florida East Coast Railway operates 351 miles of mainline track along the east coast of Florida with direct rail access to South Florida's ports, and serves five intermodal terminals with connections to CSX and Norfolk Southern in Jacksonville. The railway transports intermodal loads and carload commodities from pulp and paper to aggregate and automobiles – commodities that have an impact on the national economy. This rail line runs directly through the project area.

In addition to the extensive damage of personal property, the flooding causes environmental damage as floodwater mixes with r

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

[x] Yes

Local Support Description

The City's Comprehensive Plan infrastructure element Objective 1.9 specifically enumerates that the City shall place higher priority on projects that impact the Nova Canal Basin and shall implement improvements to resolve drainage problems. There is long-standing multi-agency, multi-jurisdictional support for the project. The East Volusia Regional Water Authority (consisting of the Cities of Holly Hill, Daytona Beach and South Daytona) approved a feasibility study for this project on December 4, 2009 and just this year (January 28, 2015) approved the inclusion of the $53 million Stormwater Retention and Flood Protection project in its Master Plan. There is a high level of state support for this project from both the legislature and state agencies. A summit was convened by State Representatives Fred Costello and Dwayne Taylor in February of this year to specifically discuss this project and how it could be fully funded. State agencies (St. Johns River Water Management District, Florida Department of Transportation, Department of Environmental Protection, State Flood Plain Manager) and area local governments (Daytona Beach, Port Orange, New Smyrna Beach, Daytona Beach Shores, and Volusia County) are collaborating on a multi-agency, multi-government approach to shared responsibility. Daytona Beach is serving as the lead agency for this effort.

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

[x] Yes

Primary Sponsor Letter of Support

(As uploaded)

Chisholm_City Letter of support.pdf

The CITY OF DAYTONA BEACH

"THE WORLD'S MOST FAMOUS BEACH"

Office of the City Manager

September 22, 2015

Lisa Kiefel
U.S. Army Corps of Engineers
441 G Street NW
Attn: CECW-CE
Washington, DC 20314-1000

Dear Ms. Kiefel:

The City of Daytona Beach is pleased to submit the attached proposal in accordance with Section 7001 of the Water Resources Reform and Development Act of 2014 (WRRDA 2014). We respectfully request the United States Army Corp of Engineers (USACE) to conduct a feasibility study, which we believe would support the Corps' interest in a stormwater retention and flood protection project that would protect the citizens of Daytona Beach and improve water quality in the Halifax River, part of Florida's Intracoastal Waterway. The City of Daytona Beach would act as the non-Federal sponsor for this project.

There is longstanding, multi-jurisdictional support for this project as evidenced by this year's Halifax/Indian River and Nova Canal Area Water Summit. On February 28, 2015, State Representatives Fred Costello and Dwayne Taylor gathered representatives from Daytona Beach, Port Orange, New Smyrna Beach, Daytona Beach Shores, Volusia County, St. Johns River Water Management District, Florida Department of Transportation (FDOT), Department of Environmental Protection (DEP), and many other community organizations met to discuss this regional problem.

The City has been working to address this critical issue for many years and since 2010 has expended nearly $8 million toward a solution. Additional partners are needed to fully fund a long-term solution. State agencies have indicated interest based upon their support and attendance at the Water Summit. The City respectfully requests a partnership with the Corps to address this longstanding problem. We understand the responsibilities of a non-Federal sponsor and are prepared to provide the non-Federal match for this project.

Sincerely,

James V. Chisholm
City Manager

P.O. Box 2451 • Daytona Beach, Florida 32115-2451 • Phone 386/671-8010 • Fax 386/671-8015

Additional Proposal Information

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Costello Letter.pdf

Health & Human Services Committee
Health Innovation Subcommittee
Education Appropriations Subcommittee

Rules, Calendar & Ethics Committee
Rulemaking Oversight & Repeal
Subcommittee

Fred Costello

State Representative, District 25

Fred.Costello@MyFloridaHouse.gov

September 23, 2015

The Honorable Derrick L. Henry, Mayor
301 South Ridgewood Avenue, Room 200
Daytona Beach, FL 32114

Dear Mayor Henry:

Realizing the untiring efforts of the City to alleviate flooding in Midtown, I write in strong support of your proposal to the U.S. Army Corps of Engineers (USACE) to conduct a feasibility study to address stormwater retention and flood protection while improving water quality in the Halifax River, part of Florida's Intracoastal Waterway.

I am aware that in 2009, Midtown experienced severe flooding which impacted nearly 800 homes and again in 2014 which impacted 30 homes and businesses. In addition to the extensive damage of personal property, the flooding caused environmental damage as floodwater mixed with raw sewage and heavy debris which was eventually discharged into the Halifax River. The City's solution to these historic flooding issues include diverting stormwater from the Nova Canal and the midtown area to a large pond on the municipal golf course. This effort would provide stormwater treatment thereby improving water quality during flooding, as well as normal rain events, and provide flood mitigation during significant rain events.

The multi-jurisdictional support of Port Orange, New Smyrna Beach, Daytona Beach Shores, Volusia County, St. Johns River Water Management District, Florida Department of Transportation (FDOT) and Department of Environmental Protection (DEP), combined with resources from USACOE, should finally resolve an issue that has plagued our community for many years.

Sincerely,

Fred Costello, State Representative

District 25 Office
209 Dunlawton Ave, Suite 15
Port Orange, FL 32127-4458
386-304-5511

Becky Reichenberg, Legislative Aide
Rebecca.Reichenberg@MyFloridaHouse.gov
Lynnette Phillips, Executive District Aide
Lynnette.Phillips@MyFloridaHouse.gov

1301 C The Capitol
402 S Monroe Street
Tallahassee, FL 32399-1300
850-717-5025

Additional Proposal Information

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EVRWA_Letter_of_support.pdf

EVRWA
Eastern Volusia Regional Water Authority

Eastern Volusia Regional Water Authority
EVRWA

September 22, 2015

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Mayor
301 South Ridgewood Avenue, Room 200
Daytona Beach, FL 32114

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Sincerely,

James V. Chisholm
Chair, East Volusia Regional Water Authority

Additional Proposal Information

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Taylor Letter of support for Daytona Beach Stormwater.pdf

Florida House of Representatives

Representative Dwayne L. Taylor

District 26

District Office:
1440 N. Nova Road, Ste 201
Daytona Beach, FL 32114
(386)239-6202
(386)239-6204 (fax)

Tallahassee Office:
212 The Capitol
402 South Monroe Street
Tallahassee, FL 32399
(850)717-5026

Dwayne.Taylor@myfloridahouse.gov

September 23, 2015

The Honorable Derrick L. Henry
Mayor of Daytona Beach
301 South Ridgewood Avenue, Room 200
Daytona Beach, FL 32114

Dear Mayor Henry:

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Sincerely,

Dwayne L. Taylor
State Representative, House District 26