



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 1418

1. Project Title Delray Beach City-Wide Tidal Backflow Prevention-WaStop Inline Check Valve Installation

2. Senate Sponsor Lori Berman

3. Date of Request 11/17/2021

4. Project/Program Description

Systematically install city standard WaStop Inline check valve on outfall pipes to reduce nuisance flooding from King Tides, projected sea level rise and major storm events like hurricanes. The WaStop inline check valve is made of stainless steel and installed inside the pipe. The check valve will only allow water to go out into the Intracoastal. The seawater cannot enter the pipe and eventually go into stormwater system and flood the neighborhood and nearby businesses. WaStop check valve is a proven success in the city. City has installed over 7 WaStops in the past 3 years. They require no maintenance and last for about 20-25 years. Group 1 has 13 outfall pipes that are scheduled for check valve installation in the FY2022-2023.

5. State Agency to receive requested funds Department of Environmental Protection

State Agency contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2022-2023

Type of Funding	Amount
Operations	0
Fixed Capital Outlay	445,000
Total State Funds Requested	445,000

7. Total Project Cost for Fiscal Year 2022-2023 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	445,000	50%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	445,000	50%
Other	0	0%
Total Project Costs for Fiscal Year 2022-2023	890,000	100%

8. Has this project previously received state funding? No

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. Is future funding likely to be requested? Yes

a. If yes, indicate nonrecurring amount per year. 445,000

b. Describe the source of funding that can be used in lieu of state funding.



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 1418

Total 66 outfall pipes are identified for backflow prevention protection. Priority List was developed based on outfall invert elevation. About 13 pipes will be implemented each year. The whole backflow prevention program will be completed in 5 years. Fundings include grants such as CPI (Coastal Partnership Initiative), FEMA BRIC (Building Resilient Infrastructure and Communities), Resident's donation, City Internal Staffs In-Kind services and Funds from City StormWater Annual Budget.

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?

Yes

If yes, indicate the amount of funds received and what the funds were used for.

\$5.4M fund was received and the fund was used for revenue shortfall.

11. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	City of Delray Beach will purchase WaStop Check Valve and use internal staff or hire licensed general contractor to install WaStop Check Valves on various locations throughout the City. The list of location is attached. The requested state fund will be expended 100% to pay for WaPro Industry (check valve manufacturer) and/or general contractor's service (including time, labor, material and profit).	445,000
Total State Funds Requested (must equal total from question #6)		445,000

12. Program Performance

a. What specific purpose or goal will be achieved by the funds requested?

To install WaStop Inline Check Valves at 13 prioritized locations along intracoastal waterway. The goal is to protect city stormwater drainage system from seawater intrusion during King Tide, Severe Storm events like hurricanes and Projected Sea Level Rise (SLR). The purpose is to protect properties, roadways, businesses from flooding damage and provide a safe, enjoyable and resilient community for the next 30 years at least.

b. What activities and services will be provided to meet the intended purpose of these funds?

Activities: City will purchase WaStop check valves directly from WaPro Industry and install them by using internal staffs or hiring licensed general contractor at selected locations. The outfall pipes will be pressure cleaned and prepared before installation. Turbidity barrier will be installed along the outfall pipes to prevent any possible water pollution. Maintenance of Traffic (MOT) will be provided as needed. City internal staff will provide contract solicitation and administration, project management, permits, and inspection services.

c. What direct services will be provided to citizens by the appropriation project?



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

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Reduced street flooding and potential damage to houses, landscape and roadway. Increased commute convenience and safety. Enhanced emergency service when needed. Boosted downtown businesses. Provide a safe, enjoyable and resilient community to live in or visit.

d. Who is the target population served by this project? How many individuals are expected to be served?

Target population is the residents living near various installation locations ,downtown business entities, emergency evacuation residents and visitors. Estimated about 16,900 people will be served and benefit from this project.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

Expected benefit will be city-wide reduced flooding especially sunny day flooding and fewer flooding complaints from residents, business owners or visitors. Reduced flooding will be measured by comparing Before and After street flooding frequency and severity during King Tide season or Severe Rain Events like Hurricanes. Reduced complaints will be measured by comparing Before and After flooding complaint log related with the check valve installation area.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?

City of Delray Beach has installed over 7 WaStop check valves in the past 3 years. All check valves were successfully installed as planned. City of Delray Beach is confident in meeting deliverables and performance measures provided in the contract. A suggested penalty can be 10% payment reduction if any deliverable or performance measure is not met.

13. The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

Not Applicable



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 1418

14. Requestor Contact Information

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

15. Recipient Contact Information

a. Organization

b. Municipality and County

c. Organization Type

- ☐ For Profit Entity
- ☐ Non Profit 501(c)(3)
- ☐ Non Profit 501(c)(4)
- ☒ Local Entity
- ☐ University or College
- ☐ Other (please specify)

d. First Name Last Name

e. E-mail Address

f. Phone Number

16. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2022-2023

LFIR # 1418

Please complete the questions below for Water Projects only.

17. Have you applied for alternative state funding?

- ☐ Waste Water Revolving Loan
- ☐ Drinking Water Revolving Loan
- ☐ Small Community Wastewater Treatment Grant
- ☐ Other (please specify)
- ☒ N/A

18. What is the population economic status?

- ☐ Financially Disadvantaged Community (ch. 62-552, F.A.C)
- ☐ Financially Disadvantaged Municipality (ch. 62-552, F.A.C)
- ☐ Rural Area of Economic Concern
- ☐ Rural Area of Opportunity (s. 288.0656, Florida Statutes)
- ☒ N/A

19. What is the status of construction?

Not started, shovel ready, design is not needed

20. What percentage of the construction has been completed?

0%

21. What is the estimated completion date of construction?

06/30/2023