



June 16, 2022

# STORMWATER NEEDS ANALYSIS REPORT

THE BRIDGEWATER COMMUNITY DEVELOPMENT DISTRICT  
Polk County, Florida

21-01837-001

**Prepared by:**  
Johnson, Mirmiran and Thompson, Inc.  
2000 E. 11<sup>th</sup> Ave, Ste 300  
Tampa, FL 33605



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## PURPOSE AND SCOPE

As part of the 2021 regular session, the Legislature recognized the need for a long-term planning process for stormwater and wastewater. Section 403.9302, Florida Statutes, requires a 20-year needs analysis from the local governments providing stormwater services. Because this planning document is forward-looking, it will necessarily include many assumptions about future actions. These assumptions are based on any available information coupled with best professional judgment.

For the purposes of this document, a stormwater management program and a stormwater management system are as defined in statute (s. 403.031(15) and (16), F.S., respectively; language provided here: <https://www.flsenate.gov/Laws/Statutes/2021/403.031>). Plainly speaking, the “program” is the institutional framework whereby stormwater management activities (MS4 NPDES permit activities, and other regulatory activities, construction, operation and maintenance, etc.) are carried out by the public authority. The “system” comprises the physical infrastructure that is owned and/or operated by the local government or special district that specifically is intended to control, convey or store stormwater runoff for treatment and flood protection purposes.

This report consists of the filled out template for Local Governments and Special Districts for Performing a Stormwater Needs Analysis Pursuant to Section 5 of Section 403.9302, Florida Statutes along with an inventory spreadsheet collected using as-builts and existing permitting to complete the stormwater needs analysis reporting.

## GENERAL INFORMATION

The Bridgewater Community Development District (“District”) is located in Lakeland in Polk County, Florida. The District was established for the purpose of constructing and/or acquiring, maintaining, and operating all or a portion of the public improvements and community facilities within the District.

## EXISTING PUBLIC FACILITIES

### STORMWATER MANAGEMENT FACILITIES

The District-wide Stormwater system consists of dry detention swales (pretreatment of stormwater) and wet retention ponds/lakes to capture and treat stormwater runoff from developed areas and control structures that regulate the volume of water retained. In general, the stormwater runoff will flow from the developed parcels to the roads into pre-treatment swales and then into the ponds/lakes via inlet structures, overland flow, and pipes. The primary form of treatment will be pre-treatment dry detention into wet retention pursuant to accepted design criteria. The CDD currently owns the community stormwater management facilities which provide stormwater treatment and storage for the Bridgewater development as permitted by City of Lakeland and the Southwest Florida Water Management District. The District will be responsible for maintaining the stormwater management facilities on district owned properties.



## **COST ESTIMATION**

### **Routine Operations and Maintenance**

The routine operations and maintenance costs are designated for pond maintenance items which includes aquatic maintenance contracts, emergency pond or pipe repairs, and any contingency for stormwater-related maintenance activities. The current costs for the above mentioned line items were taken from the current budget for the operations and maintenance. Future costs are anticipated to increase 10% per 5 years and is reflected in the report spreadsheet accordingly.

### **End of Useful Life/Replacement Costs**

The cost estimation portion of the report for end of useful life/replacement cost was completed by taking an inventory of the existing infrastructure the CDD maintains per the record drawings of the community, and assigning a service life and unit cost for replacement for each infrastructure item. Assignment of service life and unit cost is based on industry standard expected service life and current FDOT historical cost data. Other factors such as real knowledge based on any recent community inspections and most recent bids for similar infrastructure replacement were considered in the assignment of service life and unit cost. An inflation rate each year of 3% was assumed. It was also assumed that no infrastructure replacement had occurred to date for consistency in estimation and possibility of underestimating costs. Costs were projected to the assigned service life however only the next 20 years as requested are shown in this report.

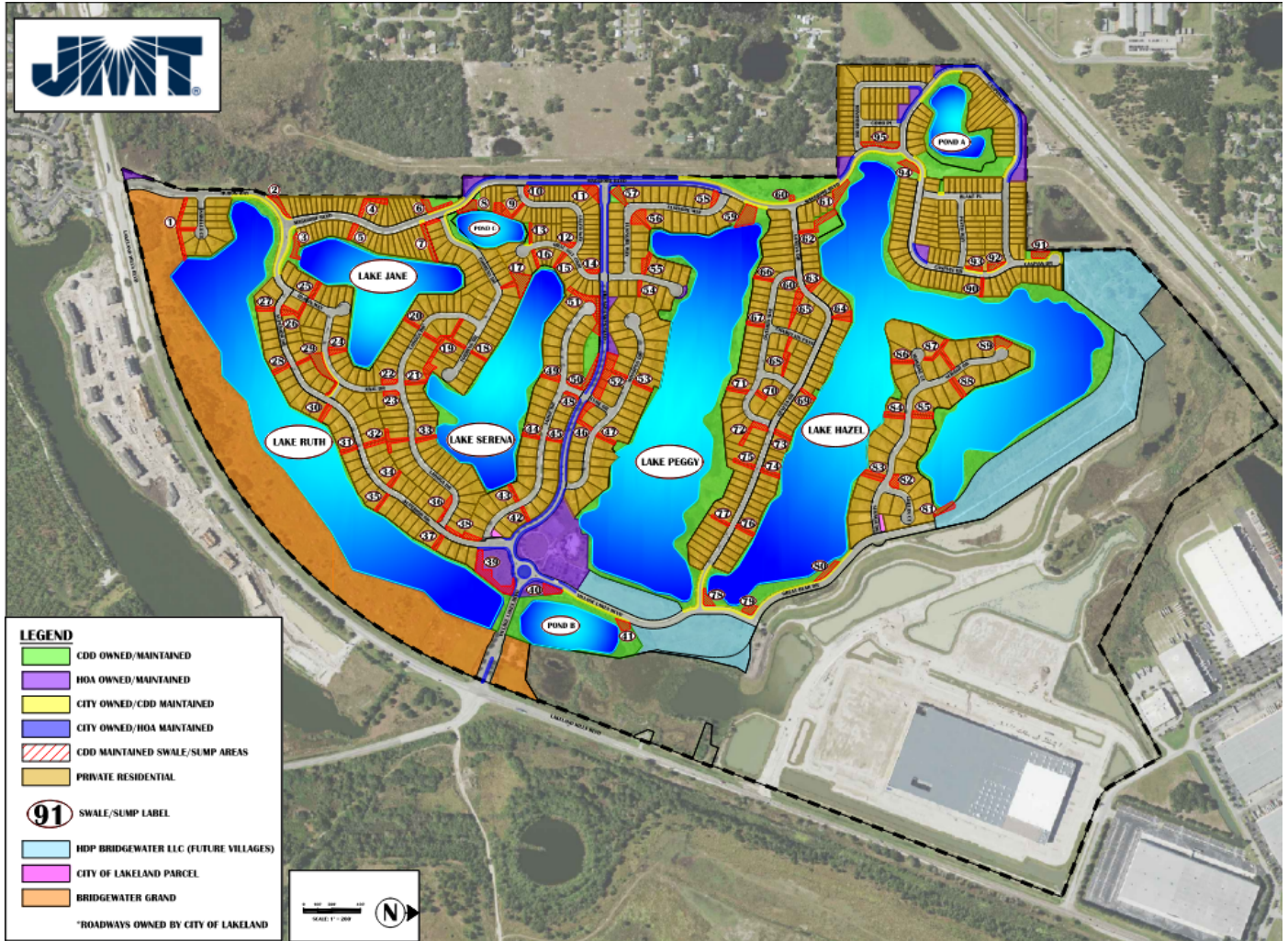
Note, that these estimates are intended to be a reflection of anticipated reserves needed and not for use in routine operation and maintenance annual budgeting unless desired by the CDD board. It is acknowledged that the CDD board has the ability and responsibility to explore multiple options for funding of the future replacement noted and the cost estimation does not reflect any currently planned projects to be actively funded. In short, assessments and funding it is at the complete discretion of the CDD board.



# STORMWATER NEEDS ANALYSIS REPORT

The Bridgewater CDD

## Location Map/Site Plan





# STORMWATER NEEDS ANALYSIS REPORT

The Bridgewater CDD

<b>FACILITY OWNER:</b>	<b>BRIDGEWATER</b>			
<b>INVENTORIED BY:</b>	<b>RICK NEIDERT</b>			
<b>CDD TOTALS</b>	<b>QTY</b>	<b>SERVICE LIFE (YRS)</b>	<b>UNIT COST TO REPLACE</b>	<b>2022-2023</b>
POND PERIMETER:	38,870 LF	75	\$ 60.00	\$ 40,378.59
DREDGING NOT ANTICIPATED	271 AC	50	\$ -	\$ -
CONTROL STRUCTURE:	2 EA	50	\$ 5,000.00	\$ 305.11
MITERED END SECTION:	7 EA	50	\$ 2,500.00	\$ 533.94
MEDIUM PIPE (24" to 42"):	472 LF	50	\$ 115.00	\$ 1,656.14
LARGE PIPE (≥ 48"):	993 LF	50	\$ 300.00	\$ 9,089.24
EARTHEN WEIR:	95 EA	50	\$ 5,000.00	\$ 14,492.75
Drop Structure:	96 EA	50	\$ 5,000.00	\$ 14,645.31
				<b>\$ 81,101.09</b>

<b>1st 5 YR Total Cost (YRS 2023-2027)</b>	<b>2nd 5 YR Total Cost (YRS 2028-2032)</b>	<b>3rd 5 YR Total Cost (YRS 2033-2037)</b>	<b>4th 5 YR Total Cost (YRS 2038-2042)</b>
\$430,576.71	\$499,156.41	\$578,659.09	\$670,824.48

\*\*Using a 3% inflation rate year over year.



**STORMWATER INVENTORY ESTIMATE**

FACILITY OWNER: BRIDGEWATER  
 INVENTORIED BY: Rick Neidert

INFLATION RATE: 3.00%  
 DATE: 1/22/2022  
 CONSTRUCTION DATE: 11/12/2004

CDD TOTALS	QTY	UNIT	SERVICE LIFE (YRS)	UNIT COST	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	REPLACEMENT YEAR	YEARS TO REPLACE	
POND PERIMETER:	38,870	LF	75	\$60.00	\$40,378.59	\$41,589.95	\$42,837.65	\$44,122.77	\$45,446.46	\$46,809.85	\$48,214.15	\$49,660.57	\$51,150.39	\$52,684.90	\$54,265.45	\$55,893.41	\$57,570.21	\$59,297.32	\$61,076.24	\$62,908.53	\$64,795.78	\$66,739.66	\$68,741.84	\$70,804.10	10/25/2079	57.76	
DREDGING	271	AC	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	10/31/2054	32.78	
CONTROL STRUCTURE:	2	EA	50	\$5,000.00	\$305.11	\$314.26	\$323.69	\$333.40	\$343.40	\$353.71	\$364.32	\$375.25	\$386.50	\$398.10	\$410.04	\$422.34	\$435.01	\$448.07	\$461.51	\$475.35	\$489.61	\$504.30	\$519.43	\$535.01	\$551.13	10/31/2054	32.78
MITERED END SECTION:	7	EA	50	\$2,500.00	\$533.94	\$549.96	\$566.46	\$583.45	\$600.96	\$618.99	\$637.56	\$656.68	\$676.38	\$696.68	\$717.58	\$739.10	\$761.28	\$784.11	\$807.64	\$831.87	\$856.82	\$882.53	\$909.00	\$936.27	\$964.35	10/31/2054	32.78
MEDIUM PIPE (24" to 42"):	472	LF	50	\$115.00	\$1,656.14	\$1,705.82	\$1,757.00	\$1,809.71	\$1,864.00	\$1,919.92	\$1,977.52	\$2,036.84	\$2,097.95	\$2,160.89	\$2,225.71	\$2,292.49	\$2,361.26	\$2,432.10	\$2,505.06	\$2,580.21	\$2,657.62	\$2,737.35	\$2,819.47	\$2,904.05	\$2,991.17	10/31/2054	32.78
LARGE PIPE (≥ 48"):	993	LF	50	\$300.00	\$9,089.24	\$9,361.92	\$9,642.78	\$9,932.06	\$10,230.03	\$10,536.93	\$10,853.03	\$11,178.62	\$11,513.98	\$11,859.40	\$12,215.19	\$12,581.64	\$12,959.09	\$13,347.86	\$13,748.30	\$14,160.75	\$14,585.57	\$15,023.14	\$15,473.83	\$15,938.05	\$16,417.37	10/31/2054	32.78
EARTHEN WEIR:	95	LF	50	\$5,000.00	\$14,492.75	\$14,927.54	\$15,375.36	\$15,836.62	\$16,311.72	\$16,801.07	\$17,305.11	\$17,824.26	\$18,358.99	\$18,909.76	\$19,477.05	\$20,061.36	\$20,663.20	\$21,283.10	\$21,921.59	\$22,579.24	\$23,256.62	\$23,954.31	\$24,672.94	\$25,413.13	\$26,177.44	10/31/2054	32.78
Drop Structure:	96	EA	50	\$5,000.00	\$14,645.31	\$15,084.67	\$15,537.21	\$16,003.32	\$16,483.42	\$16,977.93	\$17,487.26	\$18,011.88	\$18,552.24	\$19,108.81	\$19,682.07	\$20,272.53	\$20,880.71	\$21,507.13	\$22,152.34	\$22,816.91	\$23,501.42	\$24,206.46	\$24,932.66	\$25,680.64	\$26,451.11	10/31/2054	32.78
<b>Individual Yr Total</b>					\$81,101.09	\$83,534.12	\$86,040.15	\$88,621.35	\$91,279.99	\$94,018.39	\$96,838.94	\$99,744.11	\$102,736.44	\$105,818.53	\$108,993.08	\$112,262.88	\$115,630.76	\$119,099.69	\$122,672.68	\$126,352.86	\$130,143.44	\$134,047.75	\$138,069.18	\$142,211.25			



**TEMPLATE FOR LOCAL GOVERNMENTS AND SPECIAL DISTRICTS FOR PERFORMING A STORMWATER NEEDS ANALYSIS PURSUANT TO SECTION 5 OF SECTION 403.9302, FLORIDA STATUTES**

**INTRODUCTION**

As part of the 2021 regular session, the Legislature recognized the need for a long-term planning process for stormwater and wastewater. Section 403.9302, Florida Statutes, requires a 20-year needs analysis from the local governments providing stormwater services. Because this planning document is forward-looking, it will necessarily include a large number of assumptions about future actions. These assumptions should be based on any available information coupled with best professional judgment of the individuals completing the document. Completing this template by June 30, 2022, will fulfill the statutory requirements for the first round of 20-year needs analyses for stormwater. The template was generated by EDR in cooperation with local governments, Special Districts, the Florida Department of Environmental Protection (DEP), the Water Management Districts, the Florida Stormwater Association, private consultants, and others. Use of this tool will help ensure that information is compiled consistently for the Office of Economic & Demographic Research's (EDR) report to the Legislature.

For the purposes of this document, a stormwater management program and a stormwater management system are as defined in statute (s. 403.031(15) and (16), F.S., respectively; language provided here: <https://www.flsenate.gov/Laws/Statutes/2021/403.031>). Plainly speaking, the "program" is the institutional framework whereby stormwater management activities (MS4 NPDES permit activities, and other regulatory activities, construction, operation and maintenance, etc. ) are carried out by the public authority. The "system" comprises the physical infrastructure that is owned and/or operated by the local government or special district that specifically is intended to control, convey or store stormwater runoff for treatment and flood protection purposes.

For the purposes of this document, the following guiding principles have been adopted:

- Stormwater systems or facilities owned and operated by any of the following are excluded from reporting requirements for local governments and special districts:
  - o Private entities or citizens
  - o Federal government
  - o State government, including the Florida Department of Transportation (FDOT)
  - o Water Management Districts
  - o School districts
  - o State universities or Florida colleges
- Local government expenditures associated with routine operation and maintenance are fully funded prior to commencing new projects and initiatives.
- Local government submissions will include the activities of dependent special districts. Only independent special districts report separately. For a list of all special districts in the state and their type (*i.e.*, dependent or independent), please see the Department of Economic Opportunity's Official List of Special Districts at the following link: <http://specialdistrictreports.floridajobs.org/webreports/alphalist.aspx>.
- With respect to federal and state statutes and rulemaking, current law and current administration prevails throughout the 20-year period. In other words, the state's present legal framework (*i.e.*, the status quo) continues throughout the period.



GENERAL INSTRUCTIONS FOR USING THE TEMPLATE

Instructions for submitting the template are still under development. Additional information regarding submission and answers to frequently asked questions will be posted on EDR's website, along with other useful materials, here: <http://edr.state.fl.us/Content/natural-resources/stormwaterwastewater.cfm>

The statutory language forms the titles for each part. This template asks that you group your recent and projected expenditures in prescribed categories. A detailed list of the categories is provided in part 5.0.

The same project should not appear on multiple tables in the jurisdiction's response unless the project's expenditures are allocated between those tables. All expenditures should be reported in \$1,000s (e.g., five hundred thousand dollars should be reported as \$500).

For any jurisdiction that is contracting with another jurisdiction where both could be reporting the same expenditure, please contact EDR for additional guidance. In situations where a reporting jurisdiction contracts with a non-reporting jurisdiction, (i.e., FDOT, the water management districts, the state or federal government), the reporting jurisdiction should include the expenditures.

When reporting cost information, please only include the expenditures that have flowed, are flowing, or will likely flow through your jurisdiction's budget. While necessary to comply with the statute, the concept of "future expenditures" should be viewed as an expression of identified needs.

**These projections are necessarily speculative and do not represent a firm commitment to future budget actions by the jurisdiction.**

This Excel workbook contains three worksheets for data entry. (Along the bottom of the screen, the three tabs are highlighted green.) Empty cells with visible borders are unlocked for data entry. In the first tab, titled "Background through Part 4," the information requested is either text, a dropdown list (e.g., Yes or No), or a checkbox. The next tab, "Part 5 through Part 8," contains tables for expenditure or revenue data as well as some follow-up questions that may have checkboxes, lists, or space for text.

In Part 5 and Part 6, the expenditure tables have space for up to 5 projects. More projects can be listed in the "Additional Projects" tab. This tab contains a table with space for up to 200 additional projects. In order for these additional projects and expenditures to be correctly classified and included in the final totals, each project must be assigned a Project Type and Funding Source Type from the dropdown lists in columns B and C.

Links to Template Parts:

[Background Information](#)

[Part 1](#)

[Part 2](#)

[Part 3](#)

[Part 4](#)

[Part 5](#)

[Part 6](#)

[Part 7](#)

[Part 8](#)

[Additional Projects - This table contains additional rows for projects that do not fit into the main tables in Parts 5 and 6](#)

## Background Information

Please provide your contact and location information, then proceed to the template on the next sheet.

Name of Local Government:	The Bridgewater CDD
Name of stormwater utility, if applicable:	n/a
Contact Person	
Name:	Lynn Hayes
Position/Title:	District Manager
Email Address:	LHayes@rizzetta.com
Phone Number:	813-994-1001

Indicate the Water Management District(s) in which your service area is located.

- Northwest Florida Water Management District (NFWFMD)
- Suwannee River Water Management District (SRWMD)
- St. Johns River Water Management District (SJRWMD)
- Southwest Florida Water Management District (SWFWMD)
- South Florida Water Management District (SFWMD)

Indicate the type of local government:

- Municipality
- County
- Independent Special District

**Part 1.0 Detailed description of the stormwater management program (Section 403.9302(3)(a), F.S.)**

The stormwater management program, as defined in the Introduction, includes those activities associated with the management, operation and maintenance, and control of stormwater and stormwater management systems, including activities required by state and federal law. The detailed program description is divided into multiple subparts consisting of narrative and data fields.

**Part 1.1 Narrative Description:**

Please provide a brief description of the current institutional strategy for managing stormwater in your jurisdiction. Please include any mission statement, divisions or departments dedicated solely or partly to managing stormwater, dedicated funding sources, and other information that best describes your approach to stormwater:

The District-wide Stormwater system consists of wet retention ponds/lakes to capture and treat stormwater runoff from developed areas and control structures that regulate the volume of water retained. In general, the stormwater runoff will flow from the developed parcels to the roads into the ponds/lakes via inlet structures, overland flow, and pipes. The CDD will be responsible for maintaining the stormwater management facilities on district owned properties.

On a scale of 1 to 5, with 5 being the highest, please indicate the importance of each of the following goals for your program:

0	1	2	3	4	5	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drainage & flood abatement (such as flooding events associated with rainfall and hurricanes)
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water quality improvement (TMDL Process/BMAPs/other)
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reduce vulnerability to adverse impacts from flooding related to increases in frequency and duration of rainfall events, storm surge and sea level rise
						Other:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Part 1.2 Current Stormwater Program Activities:**

Please provide answers to the following questions regarding your stormwater management program.

- Does your jurisdiction have an NPDES Municipal Separate Storm Sewer System (MS4) Permit?

If yes, is your jurisdiction regulated under Phase I or Phase II of the NPDES Program:
- Does your jurisdiction have a dedicated stormwater utility?

If no, do you have another funding mechanism?

If yes, please describe your funding mechanism.

Ad valorem taxes pursuant to the operations and maintenance assessments set forth by the CDD
- Does your jurisdiction have a Stormwater Master Plan or Plans?

If Yes:

How many years does the plan(s) cover?

Are there any unique features or limitations that are necessary to understand what the plan does or does not address?

Please provide a link to the most recently adopted version of the document (if it is published online):
- Does your jurisdiction have an asset management (AM) system for stormwater infrastructure?

If Yes, does it include 100% of your facilities?

If your AM includes less than 100% of your facilities, approximately what percent of your facilities are included?

- Does your stormwater management program implement the following (answer Yes/No):

A construction sediment and erosion control program for new construction (plans review and/or inspection)?	No
An illicit discharge inspection and elimination program?	No
A public education program?	No
A program to involve the public regarding stormwater issues?	No
A "housekeeping" program for managing stormwater associated with vehicle maintenance yards, chemical storage, fertilizer management, etc. ?	No
A stormwater ordinance compliance program (i.e., for low phosphorus fertilizer)?	No
Water quality or stream gage monitoring?	No
A geospatial data or other mapping system to locate stormwater infrastructure (GIS,etc. )?	No
A system for managing stormwater complaints?	No
Other specific activities?	

Notes or Comments on any of the above:

**Part 1.3 Current Stormwater Program Operation and Maintenance Activities**

Please provide answers to the following questions regarding the operation and maintenance activities undertaken by your stormwater management program.

- Does your jurisdiction typically assume maintenance responsibility for stormwater systems associated with new private development (i.e., systems that are dedicated to public ownership and/or operation upon completion)?
- |  |    |
|--|----|
|  | No |
|--|----|

Notes or Comments on the above:

- Does your stormwater operation and maintenance program implement any of the following (answer Yes/No):

Routine mowing of turf associated with stormwater ponds, swales, canal/lake banks, <i>etc.</i> ?	Yes
Debris and trash removal from pond skimmers, inlet grates, ditches, <i>etc.</i> ?	Yes
Invasive plant management associated with stormwater infrastructure?	Yes
Ditch cleaning?	Yes
Sediment removal from the stormwater system (vacator trucks, other)?	Yes
Muck removal (dredging legacy pollutants from water bodies, canal, <i>etc.</i> )?	
Street sweeping?	No
Pump and mechanical maintenance for trash pumps, flood pumps, alum injection, <i>etc.</i> ?	No
Non-structural programs like public outreach and education?	No
Other specific routine activities?	

**Part 2. Detailed description of the stormwater management system and its facilities and projects (continued Section 403.9302(3)(a), F.S.)**

A stormwater management system, as defined in the Introduction, includes the entire set of site design features and structural infrastructure for collection, conveyance, storage, infiltration, treatment, and disposal of stormwater. It may include drainage improvements and measures to prevent streambank channel erosion and habitat degradation. This section asks for a summary description of your stormwater management system. It is not necessary to provide geospatial asset data or a detailed inventory. For some, it may be possible to gather the required data from your Asset Management (AM) system. For others, data may be gathered from sources such as an MS4 permit application, aerial photos, past or ongoing budget investments, water quality projects, or any other system of data storage/management that is employed by the jurisdiction.

Please provide answers to the following questions regarding your stormwater system inventory. Enter zero (0) if your system does not include the component.

	Number	Unit of Measurement
Estimated feet or miles of buried culvert:	1,465.00	Feet
Estimated feet or miles of open ditches/conveyances (lined and unlined) that are maintained by the stormwater program:	0.00	
Estimated number of storage or treatment basins ( <i>i.e.</i> , wet or dry ponds):	9	
Estimated number of gross pollutant separators including engineered sediment traps such as baffle boxes, hydrodynamic separators, <i>etc.</i> :	0	
Number of chemical treatment systems ( <i>e.g.</i> , alum or polymer injection):	0	
Number of stormwater pump stations:	0	
Number of dynamic water level control structures ( <i>e.g.</i> , operable gates and weirs that control canal water levels):	0	
Number of stormwater treatment wetland systems:	0	
Other:		
Control Structures/Weirs	2.00	
Drop Structure	96.00	
Mitered End Section	7.00	
Earthen Weir	95.00	

Notes or Comments on any of the above:



Which of the following green infrastructure best management practices do you use to manage water flow and/or improve water quality (answer Yes/No):

Best Management Practice	Current	Planned
Tree boxes	No	
Rain gardens	No	
Green roofs	No	
Pervious pavement/pavers	No	
Littoral zone plantings	Yes	
Living shorelines	No	

Other Best Management Practices:


Please indicate which resources or documents you used when answering these questions (check all that apply).

- Asset management system
- GIS program
- MS4 permit application
- Aerial photos
- Past or ongoing budget investments
- Water quality projects

Other(s):

Asbuilts, SWFWMD/ERP Permits

**Part 3. The number of current and projected residents served calculated in 5-year increments (Section 403.9302(3)(b), F.S.)**

Counties and municipalities: Instead of requiring separate population projections, EDR will calculate the appropriate population estimates for each municipality or the unincorporated area of the county. If your service area is less than or more than your local government’s population, please describe in the first text box provided below for part 4.0.

**Independent Special Districts:**

If an independent special district’s boundaries are completely aligned with a county or a municipality, identify that jurisdiction here:

Any independent special district whose boundaries do not coincide with a county or municipality must submit a GIS shapefile with the current and projected service area. EDR will calculate the appropriate population estimates based on that map. Submission of this shapefile also serves to complete Part 4.0 of this template.

**Part 4.0 The current and projected service area for the stormwater management program or stormwater management system (Section 403.9302(3)(c), F.S.)**

Rather than providing detailed legal descriptions or maps, this part of the template is exception-based. In this regard, if the stormwater service area is less than or extends beyond the geographic limits of your jurisdiction, please explain.

n/a

Similarly, if your service area is expected to change within the 20-year horizon, please describe the changes (e.g., the expiration of an interlocal agreement, introduction of an independent special district, etc. ).

n/a

[Proceed to Part 5](#)

**Part 5.0 The current and projected cost of providing services calculated in 5-year increments (Section 403.9302(3)(d), F.S.)**

Given the volume of services, jurisdictions should use the template’s service groupings rather than reporting the current and projected cost of each individual service. Therefore, for the purposes of this document, “services” means:

1. Routine operation and maintenance (inclusive of the items listed in Part 1.3 of this document, ongoing administration, and non-structural programs)
2. Expansion (that is, improvement) of a stormwater management system.

Expansion means new work, new projects, retrofitting, and significant upgrades. Within the template, there are four categories of expansion projects.

1. Flood protection, addressed in parts 5.2 and 5.3... this includes capital projects intended for flood protection/flood abatement
2. Water quality, addressed in part 5.2 and 5.3... this includes stormwater projects related to water quality improvement, such as BMAPs; projects to benefit natural systems through restoration or enhancement; and stormwater initiatives that are part of aquifer recharge projects
3. Resiliency, addressed in part 5.4... this includes all major stormwater initiatives that are developed specifically to address the effects of climate change, such as sea level rise and increased flood events
4. End of useful life replacement projects, addressed in part 6.0... this includes major expenses associated with the replacement of aging infrastructure

While numbers 3 and 4 have components that would otherwise fit into the first two categories, they are separately treated given their overall importance to the Legislature and other policymakers.

Expansion projects are further characterized as currently having either a committed funding source or no identified funding source. Examples of a committed funding source include the capacity to absorb the project’s capital cost within current budget levels or forecasted revenue growth; financing that is underway or anticipated (bond or loan); known state or federal funding (appropriation or grant); special assessment; or dedicated cash reserves for future expenditure.

All answers should be based on local fiscal years (LFY, beginning October 1 and running through September 30). Please use nominal dollars for each year, but include any expected cost increases for inflation or population growth. Please check the EDR website for optional growth rate schedules that may be helpful.

**If you have more than 5 projects in a particular category, please use the "Additional Projects" tab. There, you can use dropdown lists to choose the project category and whether there is a committed funding source, then enter the project name and expenditure amounts.**

**Part 5.1 Routine Operation and Maintenance**

Please complete the table below, indicating the cost of operation and maintenance activities for the current year and subsequent five-year increments throughout the 20-year horizon. Your response to this part should exclude future initiatives associated with resiliency or major expenses associated with the replacement of aging infrastructure; these activities are addressed in subparts 5.4 and 6.0. However, do include non-structural programs like public outreach and education in this category.

If specific cost data is not yet available for the current year, the most recent (2020-21) O&M value can be input into the optional growth rate schedules (available on EDR’s website as an Excel workbook). The most recent O&M value can be grown using the provided options for inflation, population growth, or some other metric of your choosing. If the growth in your projected total O&M costs is more than 15% over any five-year increment, please provide a brief explanation of the major drivers.

**Routine Operation and Maintenance**

Expenditures (in \$thousands)

	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
Operation and Maintenance Costs	166	181	199	219	240
Brief description of growth greater than 15% over any 5-year period:					



**Part 5.2 Future Expansion (Committed Funding Source)**

Please list expansion projects and their associated costs for the current year and subsequent five-year increments throughout the 20-year planning horizon. In this section, include stormwater system expansion projects or portions of projects with a committed funding source. If you include a portion of a project that is not fully funded, the project's remaining cost must be included in part 5.3, Expansion Projects with No Identified Funding Source.

Though many, if not most, stormwater projects benefit both flood protection and water quality, please use your best judgment to either allocate costs or simply select the primary purpose from the two categories below.

**5.2.1 Flood Protection (Committed Funding Source)**: Provide a list of all scheduled new work, retrofitting and upgrades related to flood protection/flood abatement. Include infrastructure such as storage basins, piping and other conveyances, land purchases for stormwater projects, etc. Also include major hardware purchases such as vactor/jet trucks.

**5.2.2 Water Quality Projects (Committed Funding Source)**: Please provide a list of scheduled water quality projects in your jurisdiction, such as treatment basins, alum injection systems, green infrastructure, water quality retrofits, etc., that have a direct stormwater component. The projected expenditures should reflect only those costs.

- If you are party to an adopted BMAP, please include the capital projects associated with stormwater in this table. Include BMAP project number, cost to your jurisdiction, and year(s) that capital improvement costs are to be incurred. For reference, DEP publishes a complete list of adopted BMAP projects as an appendix in their Annual STAR Report.

**Expansion Projects with a Committed Funding Source**

**5.2.1 Flood Protection** Expenditures (in \$thousands)

Project Name	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
n/a					

**5.2.2 Water Quality** Expenditures (in \$thousands)

Project Name (or, if applicable, BMAP Project Number or ProjID)	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
n/a					

**Part 5.3 Future Expansion with No Identified Funding Source**

Please provide a list of known expansion projects or anticipated need(s) without formal funding commitments(s), formal pledges, or obligations. If you included a portion of a project that was partially covered by a committed source in part 5.2 above, list the projects and their remaining costs below.

**5.3.1 Future Flood Protection with No Identified Funding Source:** Please provide a list of future flood protection/flood abatement projects, associated land purchases, or major hardware purchases that are needed in your jurisdiction over the next 20 years. Future needs may be based on Master Plans, Comprehensive Plan Elements, Water Control Plans, areas of frequent flooding, hydrologic and hydraulic modeling, public safety, increased frequency of maintenance, desired level of service, flooding complaints, etc.

**5.3.2 Future Water Quality Projects with no Identified Funding Source:** Please provide a list of future stormwater projects needed in your jurisdiction over the next 20 years that are primarily related to water quality issues. Future needs may be based on proximity to impaired waters or waters with total maximum daily loads (TMDLs), BMAPs, state adopted Restoration Plans, Alternative Restoration Plans, or other local water quality needs.

- If you are party to an adopted BMAP, please list capital projects associated with stormwater. Include BMAP project number, cost to your jurisdiction, and year(s) that capital improvement costs are to be incurred.
- List other future water quality projects, including those in support of local water quality goals as well as those identified in proposed (but not yet adopted) BMAPs.

**Expansion Projects with No Identified Funding Source**

**5.3.1 Flood Protection**

Expenditures (in \$thousands)

Project Name	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
n/a					

**5.3.2 Water Quality**

Expenditures (in \$thousands)

Project Name (or, if applicable, BMAP Project Number or ProjID)	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
n/a					

Please indicate which resources or documents you used to complete table 5.3 (check all that apply).

- Stormwater Master Plan
- Basin Studies or Engineering Reports
- Adopted BMAP
- Adopted Total Maximum Daily Load
- Regional or Basin-specific Water Quality Improvement Plan or Restoration Plan
- Other(s): 

Specify:	

**Part 5.4 Stormwater projects that are part of resiliency initiatives related to climate change**

Please list any stormwater infrastructure relocation or modification projects and new capital investments specifically needed due to sea level rise, increased flood events, or other adverse effects of climate change. When aggregating, include O&M costs for these future resiliency projects and investments in this table (not in part 5.1). If your jurisdiction participates in a Local Mitigation Strategy (LMS), also include the expenditures associated with your stormwater management system in this category (for example, costs identified on an LMS project list).

**Resiliency Projects with a Committed Funding Source**

Expenditures (in \$thousands)

Project Name	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
n/a					

**Resiliency Projects with No Identified Funding Source**

Expenditures (in \$thousands)

Project Name	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
n/a					

- Has a vulnerability assessment been completed for your jurisdiction’s storm water system?
- If no, how many facilities have been assessed?
- Does your jurisdiction have a long-range resiliency plan of 20 years or more?
- If yes, please provide a link if available:
- If no, is a planning effort currently underway?



**Part 6.0 The estimated remaining useful life of each facility or its major components (Section 403.9302(3)(e), F.S.)**

Rather than reporting the exact number of useful years remaining for individual components, this section is constructed to focus on infrastructure components that are targeted for replacement and will be major expenses within the 20-year time horizon. Major replacements include culverts and pipe networks, control structures, pump stations, physical/biological filter media, etc. Further, the costs of retrofitting when used in lieu of replacement (such as slip lining) should be included in this part. Finally, for the purposes of this document, it is assumed that open storage and conveyance systems are maintained (as opposed to replaced) and have an unlimited service life.

In order to distinguish between routine maintenance projects and the replacement projects to be included in this part, only major expenses are included here. A major expense is defined as any single replacement project greater than 5% of the jurisdiction's total O&M expenditures over the most recent five-year period (such as a project in late 2021 costing more than 5% of the O&M expenditures for fiscal years 2016-2017 to 2020-2021).

**If you have more than 5 projects in a particular category, please use the "Additional Projects" tab. There, you can use dropdown lists to choose the project category and whether there is a committed funding source, then enter the project name and expenditure amounts.**

**End of Useful Life Replacement Projects with a Committed Funding Source**

Project Name	LFY 2021-2022	Expenditures (in \$thousands)			
		2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
		431	499	579	671

**End of Useful Life Replacement Projects with No Identified Funding Source**

Project Name	LFY 2021-2022	Expenditures (in \$thousands)			
		2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42

**Part 7.0 The most recent 5-year history of annual contributions to, expenditures from, and balances of any capital account for maintenance or expansion of any facility or its major components. (Section 403.9302(3)(f), F.S.)**

This part of the template also addresses a portion of s. 403.9302(3)(g), F.S., by including historical expenditures. Many local governments refer to these as “actual” expenditures.

Consistent with expenditure projections, the jurisdiction’s actual expenditures are categorized into routine O&M, expansion, resiliency projects, and replacement of aging infrastructure. Additionally, the table includes space for reserve accounts. EDR’s interpretation of subparagraph 403.9302(3)(f), F.S., is that “capital account” refers to any reserve account developed specifically to cover future expenditures.

Note that for this table:

- Expenditures for local fiscal year 2020-21 can be estimated based on the most current information if final data is not yet available.
- Current Year Revenues include tax and fee collections budgeted for that fiscal year as well as unexpended balances from the prior year (balance forward or carry-over) unless they are earmarked for the rainy day or a dedicated reserve as explained in the following bullets.
- Bond proceeds should reflect only the amount expended in the given year.
- A reserve is a dedicated account to accumulate funds for a specific future expenditure.
- An all-purpose rainy day fund is a type of working capital fund typically used to address costs associated with emergencies or unplanned events.

The sum of the values reported in the "Funding Sources for Actual Expenditures" columns should equal the total "Actual Expenditures" amount. The cells in the "Funding Sources for Actual Expenditures" section will be highlighted red if their sum does not equal the "Actual Expenditures" total.

If you do not have a formal reserve dedicated to your stormwater system, please enter zero for the final two reserve columns.

**Routine O&M**

	Total	Funding Sources for Actual Expenditures					
	Actual Expenditures	Amount Drawn from Current Year Revenues	Amount Drawn from Bond Proceeds	Amount Drawn from Dedicated Reserve	Amount Drawn from All-Purpose Rainy Day Fund	Contributions to Reserve Account	Balance of Reserve Account
2016-17	5	5					
2017-18	80	80					
2018-19	84	84					
2019-20	97	97					
2020-21	117	117					

**Expansion**

	Total	Funding Sources for Actual Expenditures					
	Actual Expenditures	Amount Drawn from Current Year Revenues	Amount Drawn from Bond Proceeds	Amount Drawn from Dedicated Reserve	Amount Drawn from All-Purpose Rainy Day Fund	Contributions to Reserve Account	Balance of Reserve Account
2016-17							
2017-18							
2018-19							
2019-20							
2020-21							

**Resiliency**

	Total	Funding Sources for Actual Expenditures					
	Actual Expenditures	Amount Drawn from Current Year Revenues	Amount Drawn from Bond Proceeds	Amount Drawn from Dedicated Reserve	Amount Drawn from All-Purpose Rainy Day Fund	Contributions to Reserve Account	Balance of Reserve Account
2016-17							
2017-18							
2018-19							
2019-20							
2020-21							

**Replacement of Aging Infrastructure**

	Total	Funding Sources for Actual Expenditures					
	Actual Expenditures	Amount Drawn from Current Year Revenues	Amount Drawn from Bond Proceeds	Amount Drawn from Dedicated Reserve	Amount Drawn from All-Purpose Rainy Day Fund	Contributions to Reserve Account	Balance of Reserve Account
2016-17							
2017-18							
2018-19							
2019-20							
2020-21							

**Part 8.0 The local government's plan to fund the maintenance or expansion of any facility or its major components. The plan must include historical and estimated future revenues and expenditures with an evaluation of how the local government expects to close any projected funding gap (Section 403.9302(3)(g), F.S.)**

In this template, the historical data deemed necessary to comply with s. 403.9302(3)(g), F.S., was included in part 7.0. This part is forward looking and includes a funding gap calculation. The first two tables will be auto-filled from the data you reported in prior tables. To do this, EDR will rely on this template's working definition of projects with committed funding sources, *i.e.*, EDR assumes that all committed projects have committed revenues. Those projects with no identified funding source are considered to be unfunded. EDR has automated the calculation of projected funding gaps based on these assumptions.

<b>Committed Funding Source</b>	<b>2022-23 to 2026-27</b>	<b>2027-28 to 2031-32</b>	<b>2032-33 to 2036-37</b>	<b>2037-38 to 2041-42</b>
Maintenance	181	199	219	240
Expansion	0	0	0	0
Resiliency	0	0	0	0
Replacement/Aging Infrastructure	431	499	579	671
<b>Total Committed Revenues (=Total Committed Projects)</b>	<b>612</b>	<b>698</b>	<b>798</b>	<b>911</b>

<b>No Identified Funding Source</b>	<b>2022-23 to 2026-27</b>	<b>2027-28 to 2031-32</b>	<b>2032-33 to 2036-37</b>	<b>2037-38 to 2041-42</b>
Maintenance	0	0	0	0
Expansion	0	0	0	0
Resiliency	0	0	0	0
Replacement/Aging Infrastructure	0	0	0	0
<b>Projected Funding Gap (=Total Non-Committed Needs)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

For any specific strategies that will close or lessen a projected funding gap, please list them in the table below. For each strategy, also include the expected new revenue within the five-year increments.

<b>Strategies for New Funding Sources</b>	<b>2022-23 to 2026-27</b>	<b>2027-28 to 2031-32</b>	<b>2032-33 to 2036-37</b>	<b>2037-38 to 2041-42</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>Remaining Unfunded Needs</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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Project & Type Information			Expenditures (in \$thousands)				
Project Type (Choose from dropdown list)	Funding Source Type (Choose from dropdown list)	Project Name	LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42

Project & Type Information			Expenditures				
Project Type	Funding Source Type		LFY 2021-2022	2022-23 to 2026-27	2027-28 to 2031-32	2032-33 to 2036-37	2037-38 to 2041-42
Expansion Projects, Flood Protection	Committed Funding Source	Aggregated Total	0	0	0	0	0
Expansion Projects, Water Quality	Committed Funding Source	Aggregated Total	0	0	0	0	0
Resiliency Projects	Committed Funding Source	Aggregated Total	0	0	0	0	0
End of Useful Life Replacement Projects	Committed Funding Source	Aggregated Total	0	0	0	0	0
Expansion Projects, Flood Protection	No Identified Funding Source	Aggregated Total	0	0	0	0	0
Expansion Projects, Water Quality	No Identified Funding Source	Aggregated Total	0	0	0	0	0
Resiliency Projects	No Identified Funding Source	Aggregated Total	0	0	0	0	0
End of Useful Life Replacement Projects	No Identified Funding Source	Aggregated Total	0	0	0	0	0
<b>Total of Projects without Project Type and/or Funding Source Type</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>