

2011/2012 – 2015/2016

MARION COUNTY
STORMWATER IMPLEMENTATION PROGRAM



Marion
County
FLORIDA

MARION COUNTY BOARD OF COUNTY COMMISSIONERS

A handwritten signature in black ink, appearing to read "Stan McClain".

STAN McCLAIN, CHAIRMAN

JUL 05 2011

DATE

SIP 2011

Introduction

The Marion County Transportation Department's Stormwater Division addresses various stormwater management issues, including a specifically funded effort to protect and preserve our water resources by preventing harmful pollutants from being washed into local waterbodies or down sinkholes by stormwater runoff. Stormwater quality goals will be achieved through the implementation of best management practices (BMPs) under each of the minimum control measures outlined in the County's Phase II National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Generic Permit. Funding of these goals is achieved through a Non-Ad Valorem assessment on properties within unincorporated portions of the County.

This Stormwater Implementation Program (SIP) is a planning tool with a five (5)-year timeframe and updated annually.

The Stormwater Division will implement a variety of structural and non-structural projects to meet its goals. Some projects, such as public outreach and education, are long-term, while others, particularly structural BMP construction, will be active for relatively short periods of time: months or two to three years. The projects selected for the SIP will focus on water quality related issues. However, drainage concerns will be addressed if they are part of a water quality problem. Public education and outreach strategies are identified separately in the Stormwater Education Plan; a document also presented to the Marion County Board of County Commissioners annually.

Areas prioritized in the SIP include those influencing critical waterbodies in the County, whether through land use, aquifer connectivity or proximity to the waterbody. The prioritization of capital projects is identified in the Stormwater Capital Projects Prioritization Summary Report. This report was first established in November 2009 and will be updated on an annual basis as needed.

The SIP includes both structural projects and non-structural projects. Table 1 summarizes the proposed projects for the next five (5) fiscal years (FY). A fiscal year runs from October 1 to September 30. Table 2 provides a summary of the stormwater assessment funding and spending. It should be noted that in general the amount budgeted annually for Capital Improvements ranges from \$1,000,000 to \$2,000,000. As Watershed Management Plans progress and Total Maximum Daily Loads evolve, additional Capital Improvements will be identified. It will be necessary to seek alternative funding sources to support these projects.

Grants are sought for all types of project work. In FY 2010-2011, approximately \$500,000 will be received in cooperative funding from SWFWMD for watershed management plan work. Other FY 2010-2011 grants for capital projects that will match 50 percent include: the County Road 484 Dr. Curtis Nelson Bridge Retrofit Phase 2 and 3 Projects (\$250,000 construction cost/\$125,000 grant match); and the Sateke Village Stormwater Retrofit (\$55,000 construction cost/\$27,500 grant match).

Table 1 Stormwater Implementation Program (SIP)

| | | 9 | 10 | 11 | 12 | 13 |
|---|---|---------------------|---------------------|---------------------|----------------------------------|-------------------------|
| | | 8 | 9 | 10 | 11 | 12 |
| <i>Project</i> | | <i>FY 2011-2012</i> | <i>FY 2012-2013</i> | <i>FY 2013-2014</i> | <i>FY 2014-2015</i> | <i>FY 2015-2016</i> |
| <i>Maintenance</i> | | | | | | |
| M-1 | DRA Mowing and General Maintenance | \$550,000 | \$550,000 | \$575,000 | \$575,000 | \$575,000 |
| M-2 | Pipe Restoration, Repair and Replacement ¹ | \$550,000 | \$456,000 | \$448,000 | \$462,000 | \$422,000 |
| M-3 | DRA - Major Maintenance | \$100,000 | \$125,000 | \$125,000 | \$125,000 | \$125,000 |
| M-4 | Sinkhole Repair | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| M-5 | Street Sweeping Contract - County wide | \$60,000 | \$50,000 | \$50,000 | \$55,000 | \$55,000 |
| Total Maintenance | | \$1,310,000 | \$1,231,000 | \$1,248,000 | \$1,267,000 | \$1,227,000 |
| <i>Watershed Management Program, Studies, and Water Quality Monitoring</i> | | | | | | |
| E-1 | SWFWMD Watershed Management Plans (Elements 1-3) | \$659,000 | \$774,000 | | | |
| E-2 | SWFWMD Watershed Management Plans - Maintenance of Watershed Parameters & Models (Element 5) | | \$175,000 | | | |
| E-3 | SJRWMD Watershed Management Plan-Survey/Model Parameterization/Floodplain Routing Elements (Elements 3.1-3.4) | | | | In-house Alexander Springs | In-house Lake George |

¹ This maintenance work is paid from the 563101 account.

Table 1 Stormwater Implementation Program (SIP)

| | | <i>Program Year</i> | 9 | 10 | 11 | 12 | 13 |
|--|--|---|---|--|--|--|--|
| | | <i>Permit Year</i> | 8 | 9 | 10 | 11 | 12 |
| <i>Project</i> | | <i>FY 2011-2012</i> | <i>FY 2012-2013</i> | <i>FY 2013-2014</i> | <i>FY 2014-2015</i> | <i>FY 2015-2016</i> | |
| E-4 | SJRWMD Watershed Management Plan- Level of Service Determination (Element 3.7) | <u>In-house</u> Lake Griffin Lake Kerr Lake Panasoffkee Marshall Swamp | <u>In-house</u> Florida Ridge Orange Creek Rodman Reservoir | | | | <u>In-house</u> Alexander Springs |
| E-5 | SJRWMD Watershed Management Plan- Surface Resource Water Assessment (Element 3.9) | <u>In-house</u> Lake Panasoffkee Marshall Swamp | <u>In-house</u> Florida Ridge Orange Creek | <u>In-house</u> Lake Griffin Lake Kerr | <u>In-house</u> Rodman Reservoir | | |
| E-6 | SJRWMD Watershed Management Plan- Best Management Practice Alternative Analysis (Element 3.10) | | <u>In-house</u> Lake Panasoffkee Marshall Swamp | <u>In-house</u> Florida Ridge Orange Creek | <u>In-house</u> Lake Griffin Lake Kerr | <u>In-house</u> Rodman Reservoir | |
| E-7 | SJRWMD Watershed Management Plans - Maintenance of Watershed Parameters & Models | | | | | | <u>In-house</u> Lake Panasoffkee Marshall Swamp |
| E-8 | Water quality monitoring | \$45,000 | \$45,000 | \$45,000 | \$45,000 | \$45,000 | \$45,000 |
| Total Watershed Management Program, Studies, and Water Quality Monitoring | | \$704,000 | \$994,000 | \$45,000 | \$45,000 | \$45,000 | \$45,000 |

Table 1 Stormwater Implementation Program (SIP)

| <i>Program Year</i> | | 9 | 10 | 11 | 12 | 13 |
|--|--|---|-------------------------------|-----------------------------|---------------------|---------------------|
| <i>Permit Year</i> | | 8 | 9 | 10 | 11 | 12 |
| <i>Project</i> | | <i>FY 2011-2012</i> | <i>FY 2012-2013</i> | <i>FY 2013-2014</i> | <i>FY 2014-2015</i> | <i>FY 2015-2016</i> |
| Capital Outlay and Projects - Land Acquisition, Engineering Design and Permitting, Construction | | | | | | |
| C-1 | Rainbow Springs Country Club Estates Stormwater Retrofit Project (CP #1) (consultant design) ^G | \$356,400 (Construction) | | | | |
| C-2 | SW 16th Place & SW 14th Street Road Stormwater Retrofit Project (CP #5) (consultant design) ^G | \$890,000 (Construction) | | | | |
| C-3 | SW 121st Terrace Stormwater Retrofit (CP #7) (consultant design) ^G | \$203,000 (Land) \$80,000 (Design) | \$1,065,000 (Construction) | | | |
| C-4 | SW 27th Avenue Stormwater Retrofit (CP #13) (in-house design) ^G | | \$147,000 (Land) | \$620,000 (Construction) | | |
| C-5 | Land Acquisition identified in the Capital Project Prioritization Report | | \$350,000 | \$300,000 | \$300,000 | \$300,000 |
| C-6 | Design of water quality projects identified in the Capital Project Prioritization Report (contracted to consultants) | \$0 | \$75,000 | \$56,000 | \$56,000 | \$56,000 |
| C-7 | Capital construction of water quality projects identified in the Capital Project Prioritization Report. | \$1,177,000 | \$0 | \$1,000,000 | \$750,000 | \$750,000 |
| C-8 | Geotechnical Work for Capital Projects identified in the Capital Project Prioritization Report. | \$16,000 | \$15,000 | \$11,000 | \$11,000 | \$11,000 |
| C-9 | Survey for Capital Projects identified in the Capital Project Prioritization Report. | \$27,000 | \$25,000 | \$19,000 | \$19,000 | \$19,000 |
| C-10 | Stormwater Improvement identified in Watershed Management Plans as immediate capital maintenance and identified in the CPPR. | \$2,500,000 | | | | |
| C-11 | Capital Outlay - Machinery & Equipment | \$5,625 | \$9,900 | \$6,000 | \$1,275 | \$5,625 |
| Total Capital Projects | | \$5,255,025 | \$1,686,900 | \$2,012,000 | \$1,137,275 | \$1,141,625 |

Table 1 Stormwater Implementation Program (SIP)

| <i>Program Year</i> | | 9 | 10 | 11 | 12 | 13 |
|-------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| <i>Permit Year</i> | | 8 | 9 | 10 | 11 | 12 |
| <i>Project</i> | | <i>FY 2011-2012</i> | <i>FY 2012-2013</i> | <i>FY 2013-2014</i> | <i>FY 2014-2015</i> | <i>FY 2015-2016</i> |
| Operation Cost | | | | | | |
| O-1 | Personal Services | \$554,486 | \$560,031 | \$565,631 | \$571,287 | \$577,000 |
| O-2 | Operating expenses, public education, grant program | \$468,545 | \$473,230 | \$477,962 | \$482,742 | \$487,569 |
| Total Operations | | \$1,023,031 | \$1,033,261 | \$1,043,593 | \$1,054,029 | \$1,064,569 |
| SIP Total: | | \$8,292,056 | \$4,945,161 | \$4,348,593 | \$3,503,304 | \$3,478,194 |

^g Grant project that is expected to receive 50% reimbursement.

Table 2 Stormwater Assessment Funding Summary

| <i>Program Year</i> | 7 | 9 | 10 | 11 | 12 | 13 |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| <i>Permit Year</i> | 6 | 8 | 9 | 10 | 11 | 12 |
| <i>Project</i> | <i>Projected Expenditures FY 2010-11</i> | <i>FY 2011-2012</i> | <i>FY 2012-2013</i> | <i>FY 2013-2014</i> | <i>FY 2014-2015</i> | <i>FY 2015-2016</i> |
| Assessment Revenue ² | \$3,565,564 | \$3,551,050 | \$3,586,561 | \$3,622,427 | \$3,658,651 | \$3,695,238 |
| Interest | \$128,948 | \$57,000 | \$0 | \$0 | \$0 | \$0 |
| Grants | \$655,433 | \$952,700 | \$0 | \$0 | \$0 | \$0 |
| Revenues³ | \$4,350,257 | \$4,560,750 | \$3,586,561 | \$3,622,427 | \$3,658,651 | \$3,695,238 |
| Beginning Fund Balance | \$10,126,766 | \$7,364,176 | \$3,632,870 | \$2,661,270 | \$2,245,104 | \$2,400,451 |
| Revenues | \$4,350,257 | \$4,560,750 | \$3,586,561 | \$3,622,427 | \$3,658,651 | \$3,695,238 |
| Total Revenues and Other Sources of Funds (As currently shown in BPREP) | \$14,477,023 | \$11,924,926 | \$7,219,431 | \$6,283,697 | \$5,903,755 | \$6,095,689 |
| SWFWMD Cost Share for Watershed Management Plans not reflected in Revenues | \$0 | \$0 | \$387,000 | \$310,000 | \$0 | \$0 |
| Total Projected Revenue | \$14,477,023 | \$11,924,926 | \$7,606,431 | \$6,593,697 | \$5,903,755 | \$6,095,689 |
| Total Maintenance Cost | \$1,668,000 | \$1,310,000 | \$1,231,000 | \$1,248,000 | \$1,267,000 | \$1,227,000 |
| Total Engineering Design, Permitting, Study Cost | \$3,172,802 | \$704,000 | \$994,000 | \$45,000 | \$45,000 | \$45,000 |
| Total Capital Projects - Watershed Management Plan Element 4 Cost | \$1,299,372 | \$5,255,025 | \$1,686,900 | \$2,012,000 | \$1,137,275 | \$1,141,625 |
| Total Operation Cost ⁴ | \$972,673 | \$1,023,031 | \$1,033,261 | \$1,043,593 | \$1,054,029 | \$1,064,569 |
| Total Projected Expenditures | \$7,112,847 | \$8,292,056 | \$4,945,161 | \$4,348,593 | \$3,503,304 | \$3,478,194 |
| Ending Fund Balance (Reserve for Cash & Contingency) | \$7,364,176 | \$3,632,870 | \$2,661,270 | \$2,245,104 | \$2,400,451 | \$2,617,495 |

² Expected Revenue for FY 2012-2013 - FY 2015-2016 is estimated at a 1% increase from the previous FY.

³ Revenue shown for FY 2010-2011 and FY 2011-2012 are less 5% as reflected in Adopted Budget.

⁴ Operation Costs for FY2012-2013 through 2015-2016 are also estimates at 1% increase.