

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Deena Reppen, Deputy Executive Director, Regulatory and Public Affairs

**DATE:** October 14, 2010

**SUBJECT:** City of Marco Island - Stormwater System Improvements FY11 - Contract No. 460002215

**Background:** The City of Marco Island has been experiencing frequent urban flooding due to its aged and inadequate stormwater conveyance system. The repair and replacement of existing stormwater drainage elements is critical to preserve and maintain the drainage capacity and improve water quality of the receiving waters. The City of Marco Island is requesting the Big Cypress Basin to provide partial funding for the following projects:

### Project 1: Island wide Stormwater System Improvements

The project includes the island wide addition of water quality inserts for inlets, replacement of stormwater outfalls and improvements of the drainage control systems at intersections.

### Project 2: Collier Boulevard Outfall

The project includes the construction of stormwater and water quality improvements in the Collier Boulevard area. The 36 acre, predominately single-family area of the island, is currently drained by a system of roadside swales and driveway culverts. The low point of the drainage basin is located at Yellowbird St., where the runoff accumulates and causes severe flooding to residents and traveling public. Flooding of Collier Boulevard places the community at risk should an evacuation of the island be required during a major storm event. The purpose of this project is to modify the drainage system to meet the adopted levels of service for the community. The project will install a collection system and modify the swale system to collect runoff and provide water quality treatment prior to discharge through new and existing outfalls.

The total cost of the projects is \$1,800,000 of which the District contribution will be in an amount not to exceed \$500,000, for which dedicated funds (Big Cypress Basin) are budgeted in FY 2011. The remaining \$1,300,000 will be funded by the City of Marco Island.

**How this helps meet the District's 10 Year Strategic Plan:** The project improves stormwater management including flood control and water quality enhances through implementation of stormwater system improvements.

**Funding Source:** The total estimated cost of the projects is \$1,800,000, of which the District's contribution will be in an amount not to exceed \$500,000, for which dedicated funds (Big Cypress Basin) are budgeted in FY11.

**This Board item impacts what areas of the District, both resource areas and geography:** The project benefits the water resources of the Big Cypress Basin and Ten Thousand Island coastal watersheds.

**What concerns could this Board item raise?** The Board may be concerned about the City's ability to complete this contract within the fiscal year. Individual projects were identified, scoped and budgeted to fit within the coming fiscal year. The Big Cypress Basin staff is confident that these projects will be completed within FY11.

**Why should the Governing Board approve this item?** Approval of this contract will ensure that the City of Marco Island will have the funding resources needed to construct stormwater improvements in FY11 and to provide flood protection and enhance water quality discharged to the Ten Thousand Island estuary. The item was reviewed and recommended for approval by the Big Cypress Basin Board on August 27, 2010.

If you have any questions, please don't hesitate to call me at extension 6232.