

MEMORANDUM

TO: Governing Board Members
FROM: Deena Reppen, Chief of Staff
DATE: September 8, 2011
SUBJECT: City of Naples - Basin III & V Drainage and Water Quality Improvements FY12
Contract No. 4600002210

Background: The City of Naples (City) is affected by flooding because of a failing drainage infrastructure. This contract will continue the construction of drainage improvements in FY12 to provide flood mitigation and water quality treatment in Basin III and V. The improvements include:

- Restoring the existing stormwater conveyance system
- Installing water control structures
- Constructing additional swales and ex-filtration systems and
- Replacing the Naples Zoo Septic Tank System (Phase II)

Basin III is a multiphase project. Phase I was completed in 2007 with the construction of drainage improvements within the Naples downtown area. Phase II started in FY11 and includes the improvements along Gulfshore Boulevard, Broad Avenues and 8th Street South. A series of detention swales, with the largest located along Broad Avenue will be constructed to capture stormwater runoff and remove pollutants prior to discharging into Naples Bay. The total estimated cost of Phase I and II is \$4.7M. The City has received \$1.4M in District dedicated funds (Big Cypress Basin) towards Phase I and \$600,000 in FY11 for Phase II. In FY12 the City has allocated \$1.2M for additional improvements along 8th Street South.

Basin V is also a multiphase project. Phase I, currently under construction, started in FY09. Basin V is a 700+ acre drainage basin that includes the Naples Zoo and, also discharges into the Gordon River and Naples Bay. The undersized and failing conveyance system is a significant cause of neighborhood flooding and inadequately treated runoff. The total cost of Phase I is estimated at \$3.35M. The City allocated \$350,000 in FY09 for design and permitting and \$1.5M in FY10 for construction. In FY12 this work will continue as the City budgets \$600,000 for additional improvements.

The total estimated cost for the improvements of Basin III and V in FY12 is \$1.8M. The District has budgeted \$520,000 in dedicated funds (Big Cypress Basin) in FY12.

How this helps meet the District's 10-year Strategic Plan: Construction of stormwater management system improvements meets the District's 10-Year Strategic Plan to restore watersheds and estuaries through local initiatives, and to decrease flood damages through proactive flood management planning.

Funding Source: The total cost of the project in FY12 is \$1.8M, of which the District's contribution is not to exceed \$520,000. Dedicated ad valorem funds (Big Cypress Basin) are budgeted in FY12.

This Board item impacts what areas of the District, both resource areas and geography: The project benefits the Naples Bay and the Gordon River watershed.

What concerns could this Board item raise: Applicant's ability to complete this project within the fiscal year. Individual projects were identified, scoped and budgeted to fit within the coming the fiscal year. The Big Cypress Basin staff is confident that the project will be completed in FY12.

Why should the Governing Board approve this item: Approval of this contract provides the City of Naples with the funding needed to continue the construction of stormwater improvement projects in FY12. The item was reviewed and recommended for approval by the Big Cypress Basin Board on August 19, 2011.

If you have any questions, please do not hesitate to contact me at ext. 6232.