

MEMORANDUM

TO: Governing Board Members

FROM: Tommy B. Strowd, P.E., Division Director, Operations, Maintenance & Construction

DATE: January 12, 2012

SUBJECT: G-251 Trash Rake and Wing Wall Replacement

Background

This pump station supports the District mission of water quality improvement. The deteriorated state of the existing trash removal system could result in failure of the pump station to operate properly.

How this helps meet the District's 10-year Strategic Plan:

The G-251 pump station is a 6 unit electric pump station with a total capacity of 450 cfs and constructed in 1993 as part of the Everglades Nutrient Removal Project. It currently serves to discharge treated storm water from STA-1W into Water Conservation Area 1 via the L-7 Canal.

Funding Source: Funding for this project will be through District ad valorem funds (Everglades Restoration Trust)

This Board item impacts what areas of the District, both resource areas and geography:

This project impacts the Operations and Maintenance Resource Area. This project is located in Palm Beach County within STA-1W and is serviced by the West Palm Beach Field Station.

What concerns could this Board item raise? This project is part of the District's 5-year Strategic Plan and its replacement is recommended for the continued operational flexibility and efficiency to move treated storm water through the STA-1W project.

Why should the Governing Board approve this item?

The existing trash rake and wing walls have been rated with severe corrosion under the District's Structure Inspection Program in 2008 and recommended replacement. In addition, the systems debris removal conveyor system is no longer operable and debris removal is currently performed manually by district personnel. The new system will also include a new and improved debris removal conveyor system.

If you have any questions, please do not hesitate to call me at ext. 6998.