

MEMORANDUM

TO: Governing Board Members

FROM: Tommy B. Strowd, Deputy Executive Director
Operations & Maintenance

DATE: October 14, 2010

SUBJECT: **Contract No. 4600002258 - S-59 Concrete Repairs, Osceola County, Florida**

Background

S-59 is located in Osceola County on the C-31 canal. It is a reinforced concrete, gated spillway with discharge controlled by a cable operated vertical lift gate and is operated in accordance with the East Lake Tohopekaliga Regulation Schedule.

Routine inspections have identified deficiencies that could result in the failure of this structure. These include damaged concrete throughout due to sulfate attacks and the ineffective carbon steel gate.

The objective is to repair the damaged concrete and replace the existing gate with a stainless steel gate in order to more effectively manage risk and water stages in the C-31 canal and East Lake Tohopekaliga during emergency events.

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

The S-59 Concrete Repairs Project is included in the FY2011 Annual Work Plan and the 10-Year Strategic Plan. This project helps the Operations & Maintenance Program strategic goal to "Refurbish infrastructure to design conditions".

Funding Source: The lowest responsive and responsible bidder is Close Construction, Incorporated with a total amount of \$1,089,775 using ad valorem funds within the Operations & Maintenance Capital Program.

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

The S-59 Structure is located in Osceola County and controls water levels in the C-31 canal and East Lake Tohopekaliga.

The Everglades Restoration Engineering Department will oversee the project funded by the Operations & Maintenance Capital Program.

What concerns could this Board item raise?

Without implementing the concrete repair, the structure could fail and adversely impact the stage management of the C-31 canal and East Lake Tohopekaliga.

Why should the Governing Board approve this item?

Board approval is required at the October Governing Board meeting. Not implementing the repairs will increase the risk of managing stages in the C-31 canal and East Lake Tohopekaliga during emergency events and could result in more costly emergency repairs. The proposed gate replacement and automation is consistent with the 10-Year Strategic Plan and was included in the FY2011 budget.

TBS/ag