

MEMORANDUM

TO: Governing Board Members

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

DATE: October 14, 2010

SUBJECT: 4600002257 - S-63 Concrete Repairs, Osceola County, Florida

Background:

S-63 is located in Osceola County on the C-34 canal about 3,300 feet east of State Road 523 and 2,000 feet downstream from Lake Gentry. It is a reinforced concrete, single gated spillway with discharge controlled by a cable operated vertical lift gate and is operated in accordance with the Lake Gentry 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-34 canal and Lake Gentry during emergency events.

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

The S-63 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 \$1,108,549 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-63 structure is located in Osceola County and controls water levels in the C-34 canal and Lake Gentry. 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 and gate replacement, the structure could fail and adversely impact stage management of the C-34 canal and Lake Gentry.

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 water stages in the C-34 canal and Lake Gentry during emergency events and could result in more costly emergency repairs. The proposed concrete repairs and gate replacement are consistent with the 10-Year Strategic Plan and were included in the FY2011 budget.

TBS/ag