

MEMORANDUM

TO: Governing Board Members

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

DATE: August 11, 2011

SUBJECT: 4600002501 – S-197 Structure Replacement, Miami-Dade County, Florida

Background:

In 2007, the District's Structure Inspection Program identified 100 percent section losses in the corrugated metal pipe culverts. During field investigations in 2009, underwater video confirmed the poor condition of the culverts and severe impacts on the flow capacities; consequently, the structures were highly recommended for replacement. Additionally, the culverts had lost their water control functionality due to leaks through the corroded gates and inability to properly open and close as needed for flood control. Until the structure is replaced, the Operations, Maintenance & Construction personnel have prepared an emergency plan to stop flow at the structure, but must be replaced with a more reliable and permanent solution.

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

This project is an integral component in the District's 10-year Strategic Plan to refurbish the infrastructure of the Central and Southern Florida Flood Control Project.

Funding Source:

The lowest responsive and responsible bidder is Interlaken, Inc., for a total project cost of \$3,273,520, of which ad valorem funds are budgeted in the amount of \$10,000 and the remainder is subject to Governing Board approval of the FY12 and FY13 budgets under the Operations, Maintenance & Construction Capital Program.

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

This item impacts the Operations, Maintenance & Construction Division and services in Miami-Dade County.

What concerns could this Board item raise?

The contract followed the District's standard procurement procedures. The lowest responsive and responsible bidder was selected.

Why should the Governing Board approve this item?

To support the continued operation of the Central and South Florida System, aging structures require maintenance and repairs. The present S-197 structure cannot operate as designed. Currently, the structure allows uncontrolled flow through the structure due to leaks and deterioration. These flows could have adverse impact to Everglades National Park. In addition, during a flood event, the structure gates cannot be properly operated to meet its purposes.

TBS/tb