

M E M O R A N D U M

TO: Governing Board Members

FROM: George L. Horne, Deputy Executive Director, Operations & Maintenance

DATE: March 1, 2010

SUBJECT: **4600002083 – S-6 Service Bridge Upgrade**

Background:

The US Army Corps of Engineers transferred the S-6 Pump Station to the District in 1957. Originally, the structure pumped the surplus water via the Hillsboro Canal from Lake Okeechobee and the agricultural area northwesterly of the pump station into WCA 1. The Everglades Forever Act increased the station's effective service area and diverted outflow from WCA 1 to WCA 2A, which is treated in STA 2. The Pump Station has undergone several major repairs, including the machinery replacement and structure hardening. The project objective is to replace portions of the service bridge to bring the bridge load rating back to the original design and prevent further deterioration and corrosion of the superstructure. Work also includes slope and stair repair.

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.

Funding Source:

The lowest responsive and responsible bidder is Interlaken, Inc. with a total amount of \$581,000, for which ad valorem funds from the Operations & Maintenance Capital Program of \$427,000 are budgeted, and the remainder is subject to Governing Board approval of the FY11 budget.

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

This item impacts the Operations and Maintenance Resource Area of the District and Miami-Dade County.

What concerns could this Board item raise?

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

Why should the Governing Board approve this item?

The objective of this project is to support the continued operation of the Central and South Florida Flood Control System, as the S-6 Pump Station plays an integral part of the system by transporting flow south to WCA 2 through STA 2 for treatment. The service bridge provides maintenance access to the three intake pump bays that provide service to the region. The

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service hatches on the bridge provide access for placement of stop logs for dewatering and associated pump maintenance. This requires the bridge to maintain a load rating for heavy equipment. Without the use of the bridge, certain types of pump maintenance are prevented from being performed, resulting in eventual loss of pumping capacity.

GLH/tb