

MEMORANDUM

TO: Governing Board Members

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

DATE: November 03, 2008

SUBJECT: 4500001573 - S-6 Gearbox Replacement

Background

The S-6 Pump Station is a critical flood control structure, and its three gear speed reducers (gearboxes), which have been in service since 1990, have exceeded their expected service life. All three gearboxes exhibit pitting, requiring frequent oil filter changes and monitoring of metal filings in the gearbox oil. This project involves replacement of the three existing right-angle gearboxes at Pump Station S-6. The work also includes concrete pad modification, alignment of the drive train equipment, plumbing of gearboxes to existing piping, instrumentation and electrical wiring connections, performance testing, and equipment storage.

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

This project is integral to the District's 10-year plan, specifically to the mission and strategy of Operations and Maintenance for flood control.

Funding Source: The lowest responsive and responsible bidder is Douglas N. Higgins, Inc., with a total amount of \$2,189,000.00 for which ad valorem funds in the amount of \$2,090,000 are budgeted; and the remainder is subject to Governing Board approval of the FY10 budget.

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

This item impacts the Operations and Maintenance Resource Area in Palm Beach County.

What concerns could this Board item raise?

This Request for Bid (RFB) followed standard procurement procedures. The lowest and most responsive and responsible bidder was recommended for award of the contract.

Why should the Governing Board approve this item?

The S-6 Gearbox Replacement must be completed to maintain the operational readiness of this critical flood control structure.

GLH/rld