

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** November 15, 2012

**SUBJECT:** S-5A Service Bridge Repair and Pump Station Hardening Project  
Contract Number 4600002774

### **Agenda Item Description**

This item applies to the S-5A pump station maintained by the West Palm Beach Field Station. The Intake Service Bridge Repairs portion of the project involves a variety of repairs, replacements, and refurbishments of the service bridge. The Hardening portion of the project involves building hardening, intake fan & hood replacement and painting.

### **Background**

S-5A is a flood control pump station that is over 50 years old and reaching the end of its useful life. The S-5A Pump Station Refurbishment project is in its 3<sup>rd</sup> phase following the recently-completed substructure evaluation. Previously completed design documents for the Pump Station Building Hardening and Service Bridge Repair were updated to include additional repair items. The S-5A Pump Station Refurbishment project is expected to provide a Useful Life Expectancy of 50 additional years.

### **Core Mission and Strategic Priorities**

This project is an integral component of the District's 5-year Strategic Plan to refurbish the infrastructure of the Central and Southern Florida Flood Control Project. This item impacts the Operations, Maintenance & Construction Division and services in Palm Beach County.

### **Funding Source**

The lowest responsive and responsible bidder for the S-5A Service Bridge Repair and Pump Station Hardening is Lambert Bros., Inc., for a total project cost of \$2,697,190.00, for which ad valorem funds are budgeted in FY13; providing an effective date.

### **Staff Recommendation**

The S-5A pump station is one of the oldest stations the District operates. At this time, the intake service bridge is not in use, as it is structurally insufficient to handle maintenance loads. The pump station building must be strengthened to meet current standards for wind loads. Since this station's operation is critical for flood control purposes, it must be strengthened and repaired to extend its useful life.

If you have any questions, please call Tommy B. Strowd, P.E. at ext. 6998 or Jeffrey Kivett, P.E. at ext. 2680.