

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** January 27, 2010

**SUBJECT:** 4600002041; S-140 Pump Station Refurbishment, Broward County, Florida

### **Background:**

The S-140 is a pumping station with a gated culvert spillway as a bypass for it. The structure is located in the alignment of Levee 28 approximately 42 miles south of Clewiston on the east edge of the Seminole Indian Reservation, in Broward County. The purpose of the S-140 is to discharge excess drainage water from the Levee 28 borrow canal into Conservation Area No. 3 from the tributary drainage area. It is designed to serve 110 square miles north and east of the interceptor canal and west of L-28.

The project scope includes replacement of the engines and generators, refurbishment of the gearboxes, modification of the electrical wiring and electronic control system, replacement of the pump propellers and pump shafts, replacement of the service bridge deck with precast panels, repair of concrete bridge support piers, and patching of scour holes in the concrete slab beneath the main pump intakes.

### **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 and it is included in the FY 2010 Annual Work Plan, consistent with the District's Operations and Maintenance program strategic goal to refurbish infrastructure to design conditions.

### **Funding Source:**

The lowest responsive and responsible bidder is Intercounty Engineering, Inc. with a total amount of \$4,450,000 of which \$500,000 is budgeted using ad valorem funds under the Operations and Maintenance Capital Program, with the remainder subject to Governing Board approval of the FY11-FY12 budgets.

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

This item impacts the Operations and Maintenance Resource Area, Water Conservation Area No. 3 operations and drainage services in Broward County. The Everglades Restoration and Capital Projects Department will oversee the project, funded by Operations and Maintenance Department.

### **What concerns could this Board item raise?**

The request for bids (RFB) for this project followed standard procurement procedures. The lowest responsive and responsible bidder was selected.

### **Why should the Governing Board approve this item?**

The pump station refurbishment must be pursued expeditiously in order to enhance the District's ability to respond to storm events, improve operational efficiency and enhance a key component of the District's flood control system.