

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** September 13, 2012

**SUBJECT: Contract No. 4600002729: G-250S and G-337 Pump Bearing Replacement and G-337 Building Modifications**

### **Background:**

G-250S and G-337 water control pump stations are located in the Stormwater Treatment Area (STA) 1 West and STA 2 respectively in Palm Beach County.

Five vertical axial flow pumps (three from G-250S and two from G-337) will include the replacement of the existing oil lubricated metallic bearings with non-metallic, water-lubricated bearings, and reconditioning the pumps and motors.

Work will also include enlargement of the roof hatch openings of Pump Station G-337 to permit to removal of the pumps without the modification of the pump base plates.

### **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 for this contract is Lambert Brothers, Inc. For a construction contract total of \$652,000.00 for which dedicated ad valorem funds (Everglades Restoration Trust Fund) in the amount of \$2,000 are budgeted for FY12; and the remainder is subject to Governing Board approval of the FY13 budget; providing an effective date. (Contract Number 4600002729).

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

This item applies to the West Palm Beach Field Station. Thus, the item impacts the Operations, Maintenance & Construction Division and services in Palm Beach County.

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

Failure or deterioration of the existing pump bearing lubrication system could result in leakage of oil into the STA waters; this could result in the agency having water quality compliance issues, a problem that will be eliminated by replacing the bearings with water-lubricated bearings.

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

These two pump stations support the District mission of water quality improvement. This work will extend the service life of the pumps; replace the existing pumps' oil lubricated bearings with environmentally friendly water-lubricated bearings; perform the work under a planned maintenance schedule to avoid premature pump failure that would require pump replacement under emergency maintenance service, and refurbishing the pumps and motors at the same time will ensure continued reliable operation.

Should you have any questions, please contact Anthony Rosato at ext. 2604.