

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Kenneth G. Ammon, P.E., Deputy Executive Director, Everglades Restoration Resources 

**DATE:** July 24, 2009

**SUBJECT:** Construction of Inflow Pump Station G-434 and Outflow Pump Station G-436 for Compartment B Buildout – Contract Number 4600001860

### **Background:**

The intent of the District is to construct an additional Stormwater Treatment Area (STA) on Compartment B land to assist the existing STAs in improving the quality of water entering the Everglades Protection Area. The long-term Everglades water quality goal is for all discharges to the Everglades Protection Area to achieve and maintain compliance with water quality standards, including phosphorus, as established in Rule 62-302.540 of the Florida Administrative Code. The Project is a component of the Long-Term Plan and will permit the State of Florida and the District to fulfill obligations under the Everglades Forever Act (EFA, F.S. 373.4592), and is intended to achieve compliance with the phosphorous limits and levels established under Florida law, Rule 62-302.540, F.A.C. (the Phosphorous Rule), and the Consent Decree entered in United States v. SFWMD, et al., Case No. 88-1886-CIV-Moreno (S.D. Fla.)

The purpose of this contract is to construct the Compartment B Buildout Inflow G-434 pumping station and the Outflow G-436 pumping station. The Construction Contractor shall be responsible for all civil, architectural, structural, mechanical, HVAC, plumbing, electrical, communication tower and instrumentation work required in addition to the installation of pumps and engines to be furnished by the District.

The District has obtained the 404 Nationwide Permit and the Florida Department of Environmental Protection Everglades Forever Act Permit for construction of the Compartment B Buildout Pump Stations.

### **How this helps meet the District's 10-Year Strategic Plan:**

Compartment B is a component of the Everglades Protection Area Tributary Basins Long-Term Plan for Achieving Water Quality Goals, Revised Part 2, which is included in the 10-Year Strategic Plan and the current Annual Plan. This Project enables the District to achieve Everglades water quality standards as part of the implementation of the Long-Term Plan to ensure that all waters discharging into the Everglades Protection Area are in compliance with state water quality standards. Approval of the Compartment B Buildout Construction of the Inflow Pump Station G-434 and the

Outflow Pump Station G-436 contract will initiate construction for completion of the South Buildout STA that is now under construction and has a mandated flow capable date of December 31, 2010. The target completion date for the construction of the G-434 & G-436 Pump Stations is January 29, 2012.

**Funding Source:**

This is an 880-day contract with Harry Pepper & Associates, Inc., the lowest responsive and responsible bidder from the District's pre-qualified firms, to construct the Compartment B Buildout G-434 and G-436 Pumping Stations in an amount not to exceed \$49,661,501 of which dedicated funds (proceeds from Series 2006 Certificates of Participation) in the amount of \$993,231 are budgeted and the remainder is subject to Governing Board approval of the FY10-FY12 budgets.

**This Board item impacts what areas of the District, both resource areas and geography:** The Compartment B Buildout Project location is in Palm Beach County approximately 20 miles south of South Bay on the East side of US 27. It is bounded on the north by the Everglades Agricultural Area (EAA), on the east and south by the Water Conservation Area 2, and on the west by STA 3/4. Staff from the Everglades Restoration Resource Area will manage the project. Consulting engineering firms will provide construction management and engineering during construction services. Staff from Watershed Management will provide operation support, and the West Palm Beach Field Station will be responsible for the maintenance of the Pump Station.

**What concerns could this Board item raise?** The discharge canal of the Compartment B Buildout is currently under design. The District will start construction of an inflow and outflow pump stations in Compartment B Buildout without having the discharge canal design completed and approved by the regulatory agencies.

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

The construction contract for the G-434 and G-436 Pumping Stations must be executed in order to meet the overall Compartment B Buildout Project schedule and achieve the goals of the Long-Term Plan.

Attachments – Resolution, Map  
KGA/oc