

## MEMORANDUM

**TO:** Governing Board Members

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

**DATE:** June 14, 2012

**SUBJECT: Contract No. 4600002678: Diesel Oxidation Catalyst Installation – C&SF (Fairbanks-Morse)**

### **Background:**

New National Emission Standards for Hazardous Air Pollution (NESHAP) mandate requires at least a 70% reduction in carbon monoxide emissions by May 3, 2013. There are a total of 82 engines at 25 pump stations throughout the District that are impacted by the mandate. In order to meet the new standards, diesel oxidation catalyst need to be installed along with data loggers for engines with more than 500 horsepower and structural platforms for access where necessary. Due to the complexity of the project, it has been divided into three separate projects: C&SF – Non-Fairbanks-Morse, C&SF – Fairbanks-Morse, and STA. This portion of the project includes 23 diesel oxidation catalysts at 6 of the pump stations for the C&SF –Fairbanks-Morse.

### **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 AARYA Construction & Design, Inc., for a total project cost of \$1,028,900.00, for which ad valorem funds of \$221,324.00 are budgeted and the remainder is subject to Governing Board approval of the FY13 budget; providing an effective date.

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

This item applies to numerous engines within pump stations throughout the District. Thus, the item impacts the Operations, Maintenance & Construction Division and services in Broward, Glades, and Palm Beach Counties.

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

If the Diesel Oxidation Catalysts are not installed by May 3, 2013, then a fine could be assessed at \$10,000 a day per violation. This portion of the project includes 23 diesel oxidation catalysts; therefore, the fine would be \$230,000 a day.

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

The new National Emission Standards for Hazardous Air Pollution (NESHAP) mandate requires upgrades to our engines. With the deadline for compliance May 3, 2013, it is imperative that construction begin as soon as possible.

If you have any questions, please do not hesitate to call me at ext. 6998.