## City of Garden Grove

# INTER-DEPARTMENT MEMORANDUM

To:

Matthew J. Fertal

From:

William E. Murray

Dept:

City Manager

Dept:

Public Works

Subject:

**EMERGENCY ENGINEERING SERVICES** 

Date:

October 25, 2011

FOR WESTHAVEN RESERVOIRS PIPE

SYSTEM

#### **OBJECTIVE**

To have Garden Grove City Council (City Council) authorize payment for the emergency engineering services rendered on the existing pipe system of the Westhaven Reservoirs.

### **BACKGROUND**

It was discovered that a portion of the pipe system within the existing 40-foot deep valve vault was severely corroded. Large flakes of rust up to 1/8-inch thick and several square inches in area separated from the bottom of the wye section of the pipe within the vault during the preparation for painting of the pipe as a part of the Westhaven Booster Pump Engine Conversion Project. Due to the likelihood of pipe system failure and safety concerns for City staff, immediate evaluation of the existing pipe system (in and outside of the vault) was required.

### **DISCUSSION**

Psomas, who was on site as a resident engineer for the Westhaven Booster Pump Engine Conversion Project, had the capability and familiarity of this facility to provide this type of emergency engineering services. Staff found it necessary to contract with Psomas and proceed with this work as emergency engineering services due to the time constraints and safety concerns as stated above. This work included the under water investigation and inspection of reservoir outlet pipes, under water installation and removal of isolation caps, assessment of the pipe condition within the vault, and engineering and inspection services for the recommended rehabilitation of the pipe system.

#### FINANCIAL IMPACT

The invoice submitted by Psomas for \$66,747 will be paid with the Water Fund. There will be no impact to the General Fund.

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### RECOMMENDATION

It is recommended that the City Council ratify the emergency contract with and authorize payment of \$66,747 to Psomas for emergency engineering services rendered.

William E. Murray, P.E.

Public Works Director/City Engineer

By: Samuel Kim

Project Engineer

Recommended for Approval

Matthew Ferti City Manager