



DATE: October 15, 2014

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **PLANS AND SPECIFICATIONS FOR THE HARBOR LIFT STATION NO. 4 REHABILITATION PROJECT**

### **SYNOPSIS**

Staff recommends that the City Council approve the plans and specifications for the Harbor Lift Station No. 4 Rehabilitation Project; and authorize the City Engineer to call for bids.

### **BACKGROUND**

When the Harbor was created in 1961, the entire utility infrastructure as it exists today was installed, including the lift stations and sewer force-mains. Since that time, the Harbor has been responsible for the operation and maintenance of the existing infrastructure. An agreement between the Harbor and the Water Utilities Department stipulates that upon the completion of lift station and force main improvements, the Water Utilities Department would assume ownership and take over the operation and maintenance of the system moving forward.

Harbor Lift Station No. 4 is located north of the San Luis Rey River and east of the Pacific Street Bridge, at 284 Harbor Drive South. The existing structure is comprised of concrete and steel with pumps, motors, and controls. The steel pump enclosure is over 50 years old and has reached the end its useful life and has been subject to leaks. The project consists of the complete rehabilitation of the Harbor Lift Station No. 4. The existing dry-pit pumps will be removed and replaced with submersible chopper pumps on slide rail systems that will be installed inside of the existing wet well. Abandoning the steel enclosure and replacing it with a below-grade precast concrete vault located approximately 10 feet higher than the existing structure will provide the department with a safe and reliable structure for access and maintenance.

The project also includes a new flow meter, dry carbon odor control system, level control devices, and various associated electrical and control system improvements. The electrical improvements include, but are not limited to, relocation and upgrade of the existing SDG&E electrical service meter and service conduits.

## **ANALYSIS**

Design of the improvements began in July of 2014 and staff has worked closely with the Harbor Staff to ensure that the impacts to construction will be minimized. Staff anticipates commencement of work in January 2015, and estimates that construction of the project will take approximately three months. The Department is planning an outreach program for residents, businesses, and boat slip owners that work or live near the construction zone.

The project is exempt from the California Environmental Quality Act requirements. The plans and specifications for the project are available for review in the offices of the City Manager and the City Engineer.

## **FISCAL IMPACT**

The Harbor Lift Station No. 4 (910127500751) FYT 2014/15 available budget is \$400,000. This project is funded by the Harbor & Beaches Division operating revenues; no funds from Water Utilities will be used for this project.

The engineer's estimate for construction of this project is \$240,000. Therefore, there are sufficient funds available to complete this project.

## **INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

## **COMMISSION OR COMMITTEE REPORT**

The Utilities Commission will receive an update at its regularly scheduled meeting on October 21, 2014.

## **CITY ATTORNEY'S ANALYSIS**

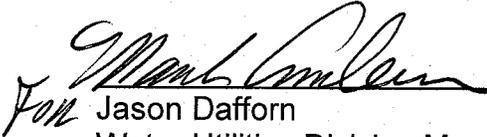
The referenced documents have been reviewed by the City Attorney and approved as to form.

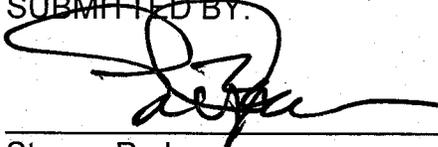
**RECOMMENDATION**

Staff recommends that the City Council approve the plans and specifications for the Harbor Lift Station No. 4 Rehabilitation; and authorize the City Engineer to call for bids.

PREPARED BY:

SUBMITTED BY:

*For*   
\_\_\_\_\_  
Jason Dafforn  
Water Utilities Division Manager

  
\_\_\_\_\_  
Steven R. Jepsen  
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Assistant City Manager

James R. Riley, Financial Services Director

Cari Dale, Water Utilities Director

Paul C. Lawrence, Harbor Manager

  
\_\_\_\_\_  
  
\_\_\_\_\_  
  
\_\_\_\_\_  
  
\_\_\_\_\_

Exhibit A: Site Map

# Exhibit A

## Harbor Lift Station No. 4 Rehabilitation Project

**HARBOR NO. 4  
LIFT STATION** ■

