

STAFF REPORT



ITEM NO. 6
CITY OF OCEANSIDE

DATE: September 22, 2010

TO: Honorable Mayor and City Councilmembers

FROM: Public Works — Harbor & Beaches Division

SUBJECT: **APPROVAL OF PLANS AND SPECIFICATIONS FOR THE HARBOR LIFT STATION NO. 4 FORCE MAIN REPLACEMENT PROJECT**

SYNOPSIS

Staff recommends that the City Council approve of the plans and specifications for the construction of the Harbor Lift Station No. 4 Force Main Replacement project located north of the San Luis Rey River and east of the Pacific Street Bridge at Harbor Drive South; and authorize the City Engineer to call for bids.

BACKGROUND

When the Harbor was created in 1961, the entire existing utility infrastructure as it exists today was installed, including the lift stations and sewer force-mains. The existing 8-inch cast iron sewer force main connects Harbor Lift Station No. 4 with North Bridge Lift Station (Exhibit A) and then sends this sewage to the La Salina Wastewater Treatment Facility for processing. The length of the existing force main is approximately 400 linear feet and is situated in Harbor Drive and underneath the North County Transit District's (NCTD) railroad right-of-way. Cast iron piping has corrosive properties, which over the years tends to corrode the pipe wall. In addition, rust tends to accumulate in cast iron pipe thus creating blockage over time and less carrying capacity. This sewer force main has reached the end of its useful life and needs to be replaced to ensure continued service for all of the Harbor and the Harbor tenants.

ANALYSIS

The proposed project consists of replacing approximately 400 linear feet of 8-inch cast iron force main with approximately 400 linear feet of 8-inch C900 PVC and ductile iron force main and associated mechanical work within the Harbor No. 4 and North Bridge lift stations. The 8-inch ductile iron force main will be enclosed in a steel casing that will be installed across the NCTD right-of-way. With a typical force main installation, the pipe can be installed via open trench construction. However, NCTD and the City requires anytime a pipe is jack and bore, either under a roadway or railroad tracks, the pipe must be provided with a carrier pipe. This carrier pipe protects the active force main from being crushed. Staff estimates that construction of the project will take approximately three months.

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 Force Main Harbor Lift Station (910539400751) has a current available balance of \$4,491,267. From that amount, \$270,000 is committed to the CIP Harbor force-main. This project is funded by the Harbor & Beaches Division; no funds from Water Utilities will be used for this project.

The engineer's estimate for construction of this project is \$252,246. Therefore, there are sufficient funds available to complete this project.

CITY ATTORNEY'S ANALYSIS

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

INSURANCE REQUIREMENTS

The City's standard insurance requirements will be met.

COMMISSION OR COMMITTEE REPORT

Does not apply.

RECOMMENDATIONS

Staff recommends that the City Council approve of the plans and specifications for the construction of the Harbor Lift Station No. 4 Force Main Replacement project located north of the San Luis Rey River and east of the Pacific Street Bridge at Harbor Drive South; and authorize the City Engineer to call for bids.

PREPARED BY:

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ML
DH
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Exhibit A: Site Map

Exhibit A

Force-Main Harbor Lift Station Project

