

STAFF REPORT

DATE: August 8, 2006

TO: Water/Sewer Committee

FROM: Water Utilities Department

SUBJECT: **RECOMMEND AUTHORIZATION TO AWARD A CONTRACT IN THE AMOUNT OF \$248,300 TO J.F. WHITE CONTRACTING COMPANY FOR THE OCEAN OUTFALL ANALYSIS—REMOTE OPERATED VEHICLE INSPECTION PROJECT**

SYNOPSIS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council authorize the award of a contract in the amount of \$248,300 to J.F. White Contracting Company of Framingham, Massachusetts, for the remote operated vehicle inspection of the Oceanside ocean outfall located offshore north of the mouth of Loma Alta Creek (Exhibit A); and authorize the City Manager to execute the agreement upon receipt of all supporting documents.

BACKGROUND

The City of Oceanside owns and operates the Oceanside Ocean Outfall (OOO) which begins at the La Salina Wastewater Treatment Plant site just north of the mouth of Loma Alta Creek and extends southwesterly approximately 8,850 ft offshore to a depth of approximately 100 ft. The City of Oceanside's wastewater effluent from the San Luis Rey Wastewater Treatment Plant, the La Salina Wastewater Treatment Plant, and the brine from the groundwater purification facility is discharged into the ocean through the outfall pipeline. Additionally, effluent from Fallbrook Public Utilities District and Camp Pendleton discharge into the OOO. The ocean outfall was constructed in 1972. The OOO is a 38-inch steel pipe with a 1-inch thick cement mortar interior lining and 2.75-inch thick cement mortar outer jacket; the OOO has a 36-inch internal diameter. The OOO terminates with a 230-foot diffuser collinear with the rest of the outfall and extends to a depth of approximately 108 ft. The diffuser has fourteen 5-inch diameter ports and ten 4-inch diameter ports.

ANALYSIS

The hydraulic capacity of the ocean outfall has become impaired based on observed pumping pressures within the outfall. The sedimentation in the diffuser section of the outfall has not been attributed to the reduced hydraulic capacity of the outfall. Although impaired and possibly inadequate for future expanded flowrates, the hydraulic capacity of the outfall is currently sufficient for existing flowrates.

To determine the cause of the reduced hydraulic capacity of the ocean outfall the City will have the outfall pipeline entered through an underwater outfall manhole by a remote operated vehicle (ROV). The ROV will enter the outfall manhole 7,300 feet offshore at approximately 90 foot depth. The inspection will be scheduled for May or June, after the threat of high storm flows. There will be two phases to the inspection, the first will take 2 hours and be a visual inspection of the manhole, the second will last no more than 24 hours and be the ROV inspection.

During the inspection, flows of non-disinfected secondary effluent from the San Luis Rey and La Salina wastewater treatment plants will not be discharged through the outfall and will instead be stored in storage ponds with two days storage capacity at the San Luis Rey plant. Flows of non-disinfected secondary effluent from Camp Pendleton wastewater treatment facilities will be similarly stored in ponds at Camp Pendleton.

Flows of disinfected tertiary effluent from Fallbrook Public Utility District and flows of waste brine from the City's Brackish Groundwater Desalination Facility will continue to be discharged through the ocean outfall. These continued flows will aid the ROV in maneuvering through the outfall during the inspection.

On April 19, 2006, the Water Utilities department started solicitation of request for proposals for the project. The department received two proposals, one from Hibbard Inshore and one from J.F. White Consulting Company and 2 letters declining to respond to the request for proposal solicitation. The proposals were evaluated and the proposal received from J.F. White Contracting Company of Framingham, Massachusetts in the amount of \$248,300 was selected.

FISCAL IMPACT

The Ocean Outfall Analysis—Remote Operated Vehicle Inspection Budget for 2006-2007 is \$500,000; the cost is \$248,300, therefore adequate funds are available.

COMMISSION OR COMMITTEE REPORT

Does not apply.

CITY ATTORNEY'S ANALYSIS

The City Attorney's office is reviewing the documents.

INSURANCE REQUIREMENTS

The City's standard insurance requirements will be met.

RECOMMENDATIONS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council authorize the award of a contract in the amount of \$248,300 to J.F. White Contracting Company of Framingham, Massachusetts, for the remote operated vehicle inspection of the Oceanside ocean outfall located offshore north of the mouth of Loma Alta Creek (Exhibit A); and authorize the City Manager to execute the agreement upon receipt of all supporting documents.

PREPARED BY:

Greg Blakely
Administration Manager

Exhibit A - Site map

G:\Administration\Council - Commission\Staff Reports\Staff Reports - 2006\Water-Sewer Committee\8-8-06 ROV Inspection of Ocean Outfall

Oceanside Ocean Outfall

EXHIBIT A

