MEMO

TO: BOARD OF DIRECTORS

FROM: GENERAL MANAGER

subject: **SUBJECT: AWARD OF CONTRACT FOR FULL-LENGTH CIPP REPAIRS – SANCON ENGINEERING**

DATE MARCH 16, 2017

Background

As you will recall, at the November 17, 2016 Board Meeting, OCSD presented the results of their analysis of several years of sewer repairs and replacements that they discovered shortly before the sewer transfer on August 1, 2016. This analysis consists of three types of repair/replacement: 1) Full-length Cured-in-Place-Pipe (Full-CIPP) – this is a manhole-to-manhole repair of many 8' sections of sewer pipe, 2) Sectional CIPP – repair of individual spots on an 8' section of sewer pipe; and 3) Open Trench Replacement – "dig and replace" buried sewer pipe.

Based upon the scope of work identified by OCSD, staff solicited bids from four firms for the Full-CIPP during December 2016/January 2017. Because of bidding irregularities, the Board rejected these bids at the January 19, 2016 Meeting and directed staff to rebid the project.

The District currently has an "as-needed" contract with Sancon Engineering for Full-CIPP repair work in the amount of $100,000 – not enough to cover the entire contract amount. The price per foot in the contract is in an amount less than the amount OCSD identified as the Engineer's Estimate for this work: i.e., OCSD's estimate was $35.00/linear foot versus the existing Sancon contract price of $31.36/linear foot. Staff contacted Sancon to determine if they would extend this price to EOCWD for the OCSD work. Sancon agreed to do this. This price is also lower than any of the non-irregular bids submitted in the original January bidding process.

As shown on the attached analysis, the original OCSD identified Full-CIPP pipeline quantity was 7,358.28 linear feet (1.39 miles) of sewer pipeline. Over the past three months, staff identified another 2,622.2 linear feet (.5 mile) of pipeline that also requires repair – these lengths include some areas in which multiple historic spills have occurred.

The total contract value for both the original OCSD-identified lengths plus the EOCWD identified lengths is $312,265 (9,980.55 linear feet or 1.89 miles). A detailed breakdown is attached to this memo; this price includes pre-video (CCTV) of the line before repair, high velocity cleaning, bypass of flow during operation, application of CIPP, and final video CCTV to confirm successful installation.

At their March 9, 2017 meeting, the Engineering Committee recommended award of this contract.

Financial Impact

Funding for this project is included in ID1 Account No. 70208E-30.

Recommendation

The Board approve Amendment #1 to the existing contract with Sancon Engineering in the amount of $212,265.

March 13, 2017

East Orange County Water District
Attn: Lisa Ohlund
185 N. McPherson Rd
Orange, CA 92869

Reference: Bid Analysis of EOCWD Full Length CIPP Sewer Rehabilitation

Dear Lisa,

At the January Board meeting, the bids for EOCWD's Full Length and Sectional CIPP were rejected by the Board of Directors.

Subsequently, Sancon was asked to provide a bid based on its on-going contract with the District to provide full length CIPP sewer rehabilitation.

The Bid Price for the scope of work as defined by Orange County Sanitation District (OCSD) is $232,035.58

The additional Bid Price for 11 segments added by EOCWD staff is $80,928.72

- The bid includes:
  - Pre-video CCTV of all pipe lines.
  - High velocity cleaning.
  - Bypass of flow during operation.
  - Final video CCTV to confirm successful CIPP liner installation.
- The bid does not include two segments, one under I-5 and the other at Vandenberg in a business area. These were not bid due to heavy flow rates. The contractor has requested a site meeting to further understand the effort before a bid can be provided for these two locations.

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CONSULTANTS, INC.

Sancon's bid is summarized in the table below:

Engineer's Estimate	Quantity	Unit	Unit Price	Subtotal
Full Length CIPP Rehabilitation	9,980.55	LF	$ 35.00	$349,319
Sancon Bid:	Length of pipe		**Lump Sum Bid**	**Bid Price Per Linear Foot for Full Length CIPP Rehabilitation**
Runs (per contractual pricing)	4,635.76		$ 125,164.98	$ 27.00
Easements and Runs less than 220'	2,722.59		$ 106,870.60	$ 39.25
Additional Segments (per contractual Pricing)	1,415.20		$ 38,355.52	$ 27.10
Additional Segments (Less than 220')	1,207.00		$ 42,573.20	$ 35.27
Total contract value				**$ 312,964.30**
Total length feet	9,980.55			
Average Price Per LF				$ 31.36

Sincerely,

Patrick F. Cahill

Frank Cahill
Senior Project Manager

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