

**Oro Loma Sanitary District
MEMORANDUM**

TO: Board of Directors

FROM: Construction Committee
Directors Becker and Dias

DATE: September 14, 2017

SUBJECT: MINUTES, MEETING SEPTEMBER 13, 2017

The Construction Committee, consisting of Oro Loma Directors Becker and Dias, and Castro Valley Director Johnson, met on Wednesday, September 13, 2017, at 10:30 am. Also in attendance were Oro Loma General Manager Warner; Castro Valley General Manager Williams; District Engineer Halsted; Senior Engineer Dang, Field Engineer Decker, Field Engineer Rossman and Junior Engineer Rivas. No members of the public were present. Items discussed included:

- **PUBLIC COMMENTS:** None
- **CONSTRUCTION COMMITTEE MEETING MINUTES – AUGUST 17, 2017**
The Committee accepted the minutes as presented.
- **FY 2017/18 BUDGET AMENDMENT #1:**
Halsted provided a summary of budget change requests for various FY 2017-18 projects. The net increase of the projected changes for FY 2017-18 is \$3,073,800; \$1,275,500 increase in the R&R fund and \$1,798,300 increase in the CIP fund. The majority of the budget increases were carryovers from FY 2016-17. New projects included the Consolidated Operations Building Planning Study and the Boiler Rebuild. Director Becker inquired on the status of the Microvi pilot study. Warner replied that Westech has partnered with Microvi and will provide significant resources to the pilot vessel. Once Microvi has completed the pilot construction, it will be delivered to OLSD in approximately 13 weeks. Under the terms of the agreement, OLSD will not pay Microvi until the equipment has been delivered to the plant.
The Committee accepted the report.
- **TEN-YEAR R&R AND CIP PROJECTED COSTS:**
Halsted noted that the ten-year R&R and CIP projected costs reflected the proposed FY 2017/18 Budget amendment #1. Director Becker inquired about the Ecotone project and asked the status of the research funding. Warner replied that the initial three year contract with UC Berkeley is now up. We had committed to five years of research and staff is recommending that we fund two additional years of research at \$80,000/year. Warner also noted that Dr. Sedlak did not anticipate extending the study beyond the five year mark. Williams asked if the habitat quality was being studied. Warner replied that it is not in the proposed scope, but we could negotiate with UC Berkeley to incorporate a habitat element into the research. Decker also provided a presentation of the results of the research that has been performed to date.
The Committee accepted the report.

- **SECONDARY CLARIFIER REHABILITATION:**

- FY 2016/17 Budget \$750,000**

- Dang presented the status of the Secondary Clarifiers Rehabilitation Project, which is 90% complete, and consists of recoating the three secondary clarifiers. The contractor is currently completing work on the last of the three clarifiers; construction is expected to be completed by the end of this week. The project will be completed under budget and ahead of schedule. Director Dias inquired about the performance of the treatment plant with the clarifiers being out of service for several months. Warner replied that today's TSS was 42 mg/L and that Operations is actively researching the situation and taking action to improve the effluent quality. Warner noted that the turbidity meter, which is an early indicator of TSS, shows that the situation is improving. It is possible that the high TSS is the result of the warm weather, the recent and temporary loss of the GBT, and the Grit Collector being offline over this last weekend.

- The Committee accepted the report.**

- **OUTFALL NPDES PERMITTING:**

- FY 2016/17 Budget \$220,000**

- Dang provided an update on activities thus far. The CEQA Notice of Intent to adopt a Mitigated Negative Declaration, approved by the OLSD Board of Directors, was issued on August 1, 2017, and a public hearing is scheduled for October 3, 2017, at 3pm. OLSD and CVSan met with the Regional Board on July 17th to discuss the draft for the NPDES permit. The final permit is expected in January 2018.

Dang briefly reviewed the four conceptual design alternatives that are being evaluated for the flow splitting between OLSD and EBDA; everything over 30 MGD will flow out the old outfall. A new alternative has been proposed to route effluent through Lower B Gallery. Woodard & Curran will be providing further hydraulic analysis on this alternative.

Dang noted that the District received four proposals from consultants for the nutrient removal design work. After reviewing proposals and conducting interviews, staff selected Kennedy/Jenks. The design effort is on hold until an agreement on the cost share is reached.

- The Committee accepted the report.**

- **TROJAN MOTOR CONTROL CENTER REPLACEMENT:**

- FY 2017/18 Budget \$400,000**

- Dang provided an update on the status of the Trojan Lift Station MCC Replacement Project, which is 50% complete. The project provides for the replacement of the MCC and the PLC panels at the Trojan Lift Station. The contractor, D.W. Nicholson, has mobilized equipment, provided temporary cabling and has installed the PLC. The MCC will be delivered and installed the week of September 18th. The project is expected to be finished by the end of October 2017.

- The Committee accepted the report.**

- **PLANT SECURITY:**

- **FY 2017/18 Budget \$400,000**

Dang provided an update on the status of the Plant Security Project, which provided for the installation of closed circuit television (CCTV) cameras at strategic locations within the plant to discourage trespassing and provide detection of intruders. The project included 11 cameras at the following locations: front gate (2), belt filter press building (3), hypochlorite area (2), influent pump station (IPS) (2), west switchgear (via IPS), and the gravity belt thickener. The access control panel at the front gate was also replaced. The project is currently 98% complete, and expected to be finished by the third week of September. Williams inquired on how the monitoring areas were selected. Warner replied that a security expert was hired to audit plant security using metrics for wastewater treatment facilities. The expert identified four critical areas within the treatment plant. The Committee requested that a demonstration of the plant security system be shown at the next Board Meeting.

The Committee accepted the report.

SEWER LINE REPLACEMENT: (verbal)

FY 2016/17 Budget \$3,500,000

Proposed FY 2017/18 Budget \$5,848,000

SEWER LINE REPLACEMENT 45-143.08 (FY 2017/18)

Halsted reported that the project provides for the replacement of 4.46 miles of vitrified clay pipe with high density polyethylene pipe. Five bids were opened on August 31, 2017, and KJ Woods Construction was the apparent low bidder at \$3,768,000. Staff is negotiating a change order for the project to provide for the completion of the work on Edgemoor Street and Trojan Avenue, which is estimated at \$350,000. Staff sought authorization to bring to the full Board the request to award the project, with the above change order work.

The Committee accepted the report and authorized staff to take to the full Board the request to award the project and the proposed change order.

SEWER LINE REPLACEMENT 2016/17

Decker reported that the project provides for the trenchless replacement of 16,767 linear feet of 5- to 12-inch sewer pipe with 8- to 14-inch high density polyethylene pipe (HDPE). The project is currently 89% complete, and the contractor is working on Gail Drive.

The Committee accepted the report.

SEWER LINE REPLACEMENT GLENBROOK LANE

Decker reported that the project provides for the decommissioning of the Glenbrook Lift Station by lowering the existing sewer within the existing alignment. The project is complete and there was one change order for the removal of trees to perform the contract work. Staff requested authorization to bring to the full Board the notice of completion to close the project.

The Committee accepted the report and authorized Staff to bring the notice of completion to the full Board.

SEWER LINE REPLACEMENT LOMITA DRIVE

Rossman provided an update on the project discussions between District staff and C2R Engineering. An effective value engineering approach consisting of reducing scope and implementing horizontal directional drilling techniques was identified so that the critical portion of the project could still be completed. Staff sought authorization to bring to the full Board a request to award the project to C2R Engineering, Inc. in the amount of \$398,460 contingent on the execution of Change Order No. 1, which will reduce the scope and construction cost by \$53,010.

The Committee accepted the report and authorized taking the project award, contingent on the signing of Change Order 1, to the full Board.

- **COLLECTION SYSTEM ASSET REPAIR & MAINTENANCE: (verbal)**
FY 2016/17 Budget \$2,000,000
FY 2017/18 Budget \$1,250,000

POINT REPAIRS 2016/17

Rivas reported that the project is 93% complete. The contractor has completed 103 of 111 point repairs. Rivas presented several photos of completed point repairs. The contractor will be working on Placer Drive, Bayfront Drive, Vermont Avenue, Eve Court, Dayton Court, Via Punta, Via Del Rey, and Via Media.

The Committee accepted the report.

POINT REPAIRS 2017/18

Halsted reported that staff is preparing the Point Repairs 2017/18 No. 1 project, which will provide for the completion of approximately 100 point repairs, for bid. Authorization to publically bid the project was requested.

The Committee accepted the report and authorized Staff to request authorization to bid the project from the full Board.

- **ADJOURNMENT**
There being no further business to come before the Committee, the meeting adjourned at 12:55 p.m.