ORO LOMA SANITARY DISTRICT
2655 Grant Avenue, San Lorenzo, CA

CONSTRUCTION COMMITTEE

Wednesday, August 15, 2018

10:00 a.m.

AGENDA

1. **CALL MEETING TO ORDER**

2. **PUBLIC COMMENTS:**
   Members of the public wishing to comment on any item not on the agenda but within the Committee's jurisdiction should notify the Committee at this time. Those wishing to comment on any item on the agenda should do so at the time the item is considered. Comments may be limited to three (3) minutes. Time limitations shall be at the discretion of the Chair.

3. **CONSTRUCTION COMMITTEE MEETING MINUTES** *(attachment)*
   July 11, 2018:
   The minutes of the previous Committee meeting are attached for reference.

4. **TEN-YEAR R&R AND CIP PROJECTED COSTS:** *(attachment)*
   Staff will present the updated Ten-Year R&R and CIP Projected Costs.

5. **NUTRIENT OPTIMIZATION PROJECT:** *(verbal)*
   FY 2017/18 Budget $1,230,000
   Proposed FY 2018/19 Budget To Be Determined
   Staff will provide an update on the Nutrient Optimization Project. The project will consist of building a new aeration basin, conversion of surface aerators to fine bubble diffusion, and facilities to allow flow splitting between EBDA and our local outfall. The project is currently out to bid and bids are due on August 30, 2018. The Engineer's Estimate for Construction is $23.5M and the construction duration will be 730 calendar days. Staff has identified and evaluated third party specialty inspection companies, a Construction Management support role, and the Engineering Services During Construction. Staff will seek authority to award these contracts upon award of the Nutrient Optimization Project.

6. **TREATMENT UNIT INFLUENT CHANNEL:** *(verbal)*
   FY 2017/18 Budget $350,000
   Proposed FY 2018/19 Budget $350,000
   Staff will provide an update on the Treatment Unit Influent Channel Coating Project. The project provides for the repair and coating of the Treatment Unit Flume and Channels. The project was awarded to ERS Industrial Services, Inc. at $309,643.97. The Contractor has completed coating the Primary Clarifier No. 1 inlet channel and is currently 6% complete with the project. It is anticipated that the project will be complete in September.

7. **DIGESTER SYSTEM EVALUATION:** *(attachment)*
FY 2018/19 Budget $30,000
Staff will present a project to perform a study of the digesters that would be funded with grants. The study would include evaluating the current digester energy use, identifying improvement alternatives, developing a cost-benefit analysis for the improvement alternatives, and providing a Recommendations and Implementation report. EKI Environment and Water, Inc. will be performing the study. The application for the grant to fund the study is currently in progress. The grant is in the amount of $35,000. The fee for the study is $40,000 and the effort for the application work is $5,000. In order to apply for the grant, the District must adopt a resolution authorizing the application for funding under the Clean Water State Revolving Fund Green Project Reserve Program.

8. **COLLECTION SYSTEM ASSET REPAIR & MAINTENANCE:** *(verbal)*
FY 2017/18 Budget $1,715,300 (unused portion to be carried over to FY 2018/19)
FY 2018/19 Budget $1,250,000

POINT REPAIRS 2017/18 No. 1; Contract Value: $1,347,000
The project provides for 102 general sewer system asset repairs, and is 90% complete. The contractor is currently working at Valley View Drive right-of-way.

POINT REPAIRS 2018/19
Staff will report that the Point Repairs 2018/19 project is ready for public bidding. The project will provide for the completion of 70 point repairs. The Engineer's Estimate for the project is $550,000 with an expected total project cost of $600,000. Authorization to advertise the project for public bidding will be requested.

9. **SEWER LINE REPLACEMENT:** *(verbal)*
FY 2017/18 Budget $6,408,000 (unused portion to be carried over to FY 18/19)
FY 2018/19 Budget $4,000,000

The following table provides a summary of all projects charged to the Sewer Line Replacement Budgets 2018/19.

FY 18/19: SUMMARY OF PROJECTED COSTS COMPARED TO TOTAL BUDGET

Project	$ Contract	$ FY 2018/19	$ Overhead/ Miscellaneous	Total for FY 2018/19
SLR 143.08 (2017/18)	**$ 4,048,000**	**$ 440,000***	**$ 17,000**	**$ 457,000**
Uncompleted portion of the project from FY 2018/19, will require budget amendment.				
Altamont SLR		**$ 200,000**		**$ 200,000**
Uncompleted portion of the project from FY 2018/19, will require budget amendment.				
SLR 143.10 (2018/19)	**$ 4,588,000**	**$ 4,588,000**	**$ 400,000**	**$ 4,988,000****
Award of project will require budget amendment.				
* Project crossed/crosses the FY			**Total**	**$ 5,645,000****
** Includes un-awarded totals for SLR 2018/19			**Budget**	**$ 4,000,000**

SEWER LINE REPLACEMENT HISTORIC CHANGE ORDERS (attachment)
Staff will present the change order log for the last six years of sewer line replacement projects. Over the last six years, the District has completed eight projects. A review of the change orders associated with those projects shows that the average Owner-Initiated change orders equaled 20.77% of the original bid and the Unforeseen change orders equaled 4.25%. Owner initiated change orders consist of voluntary additions of scope. Historically, staff had added additional footage if bid prices come in favorably and additional budget funds remain. Unforeseen change orders are due to additional footage to correct sags, differing geology, or unknown utility conflicts. Generally, additional pre-bid investigations can reduce unforeseen change orders, but at costs rivalling the savings incurred. In response to this review, staff is performing additional analysis of video inspection data to better understand the limits of sags. Additionally, the District now includes water and storm lines on its plan sets.

SEWER LINE REPLACEMENT ALTAMONT ROAD (45-142.00)
The project provides for the stabilization of a retaining wall installed adjacent to and above the District's sewer, as well as the trenchless replacement of 435 feet of sewer with HDPE pipe. The Engineer's estimate is $200,000. The plans and specifications for the project are complete and authorization to publically bid the project will be requested. The construction of this project was budgeted for FY 2017/18; staff will request that the budget of $200,000 be allocated to FY 2018/19.

SEWER LINE REPLACEMENT PROJECT 2017-18 (45-143.08)
The project provides for the replacement of 4.5 miles of sewer pipe with high density polyethylene pipe (HDPE). The project was awarded to KJ Woods Construction, Inc. at $3,768,000. The project is currently 90% complete and the contractor is working on Rex Road, Anza Way, and Halcyon Drive.

SEWER LINE REPLACEMENT PROJECT 2018-19 (45-143.10)
The project provides for the replacement of 3.5 miles of sewer pipe with high density polyethylene pipe (HDPE). Staff opened three bids on Thursday, August 9, 2018; the apparent low bidder is KJ Woods Construction, Inc. at $4,588,000. The Engineer's estimate was $3,960,000, with an expected total project cost of $4,360,000. Staff believes that this work is critical and will request authorization to award the project and amend the project budget by $988,000, to the expected total project cost of $4,988,000.

10. ADJOURNMENT