Oro Loma Sanitary District
MEMORANDUM

TO: Board of Directors

FROM: Construction Committee - Directors Walters and Young

DATE: June 12, 2019

SUBJECT: **MINUTES, MEETING JUNE 12, 2019**

The Construction Committee, consisting of Directors Walters and Young and Castro Valley Directors Johnson and Sadoff, met on Wednesday, June 12, 2019, at 10:00 a.m. Also in attendance were Castro Valley General Manager Williams; District Engineer Halsted; Technical Services Manager - Plant Dang; Field Engineer Decker; and Field Engineer Rossman. There were no members of the general public in attendance. The items discussed included:

- **PUBLIC COMMENTS**

  None.

- **CONSTRUCTION COMMITTEE MEETING MINUTES – MAY 15, 2019**

  The Committee accepted the minutes as presented.

- **FUND 40 AND FUND 45 APRIL 2019 ACCOUNTING SHEETS**

  Halsted presented the Fund 40 and Fund 45 April 2019 accounting sheets, which show the financial status of all active projects in the budget.

  The Committee accepted the report.

- **TEN-YEAR R&R AND CIP PROJECTED COSTS**

  The Committee reviewed the 10-year projections and Halsted reported that it was updated to reflect the Board approved budget for FY 2019/20 and FY 2020/21. A discussion took place regarding the status of the EQ basin report.

  The Committee accepted the report.

- **NUTRIENT OPTIMIZATION PROJECT**
  FY 2018/2019 Budget $11,850,000

  Dang provided an update on the Nutrient Optimization Project. The project was awarded to GSE Construction at $19,430,900. The construction progress to date is 37.4%. GSE is currently working on the walls of the new structure and erecting the new blower building.

  Staff has acquired a PG&E energy savings incentive for an amount of $195,000 to be received upon completion of the project. The Committee discussed the incentive procedure and calculation and how the incentive funds are to be received.

The schedule acceleration is currently taking place with the contractor starting work in AB3. The Committee discussed the schedule acceleration details and how the time savings were realized.

The Committee followed up on the reaction of the new and old basins during a seismic event. The structural engineer's response was that the basins were rigidly tied together in strategic locations to move as one structure during a seismic event. The Committee also discussed the variety of different filters being utilized at the blower building to protect the blowers from any dust that could cause harm to the cores.

Project costs to date are $8,945,000, with the total cost projected to be $24,700,000.

The Committee accepted the report.

- **OLD SECONDARY CLARIFIERS EAST WALL COATING PROJECT**
  FY 2018/2019 Budget $150,000
  Dang provided an update on the Old Secondary Clarifiers East Wall Coating Project. The project provides for a coating system on the east wall of the old secondary clarifiers to provide a barrier for water intrusion into C Gallery. The construction contractor is Jeffco Painting at $85,000. The project is currently 60% complete and will be completed within the next week. The Committee discussed the quality of the coating system. Authorization to take the project to the full Board for approval to close out the project when it ends was requested.

  Project costs to date are $2,000, with the total cost projected to be $150,000

  The Committee accepted the report and authorized staff to take the project to the full Board for closing when complete.

- **PROJECT OVERVIEW AND JUSTIFICATION: FULL SCALE SIDESTREAM TREATMENT**
  FY 2018/19 Budget: $0
  Dang reviewed the justification for a full scale sidestream treatment system, using $75,000 of budgeted Nutrient Optimization Project funds. The $75,000 will be coupled with a $1M EPA grant to implement the project. The scope of work for the grant includes engaging disadvantaged communities, building the full scale sidestream treatment with Microvi technology, and partnering with HDR/UC Berkeley to evaluate performance and issue a technology review comparing Microvi to other technologies. Benefits for the project include insurance for permit compliance, odor control at the Headworks, industry goodwill, and potential reduced carbon addition in the nutrient process. The Committee discussed the Microvi technology and how it functioned along with the procurement of the blowers and diffusers for the project. Authorization to take the project to the full Board for approval to close out the project when it ends was requested.

  The Committee accepted the report and authorized staff take the project to the full Board for approval and implementation.

- **PROJECT OVERVIEW AND JUSTIFICATION: TRANSFORMING SHORELINES GRANT AWARD – HORIZONTAL LEVEE 'FIRST MILE' PROJECT**
  FY 2018/19 Budget: $0
  Dang provided an overview of a recent grant awarded by the EPA to a project team

consisting of EBDA, San Francisco Estuary Partnership, UC Berkeley, and Oro Loma/CVSan. The grant leverages the Nutrient Optimization construction contract as a required match for the $1.48M grant. Staff requested that the Committee support additional funding in the amount of $35,000/year to support the ongoing research on the Horizontal Levee. The grant scope of work includes community engagement, preparing 60% design documents to support permitting, effort to obtain permits, preparing a design guide for industry use, and extending the UC Berkeley research on the existing horizontal levee.

The Committee accepted the report and authorized staff to take the project to the full Board for approval and implementation.

- **COLLECTION SYSTEM ASSET REPAIR & MAINTENANCE**
  FY 2018/2019 Budget $1,516,054
  FY 2019/2020 Budget $1,150,000

POINT REPAIRS 2018/2019-2; Contract Value: $120,000
Rossman reported that the project consists of 12 point repairs and has been awarded to Glosage Engineering Inc. The contractor is 10% complete and is currently working at Via Tovita in San Lorenzo. Authorization to take the project to the full Board for approval to close out the project when it ends was requested.

Project costs to date are $4,980 with the total project cost projected to be $112,000

The Committee accepted the report and authorized staff to take the project to the full Board for approval to close when complete.

POINT REPAIRS 2019/20; EE: $400,000
Halsted reported that the Point Repairs 2019/20 project design is near completion; the project consists of 40 point repairs with an engineer's estimate of $400,000 and an estimated total project cost of $450,000. Authorization to take the project to the full Board for approval to publically bid was requested.

The Committee accepted the report and authorized staff to take the project to the full Board for approval to publically bid.

- **SEWER LINE REPLACEMENT**
  Combined FY 2018/2019 Budget $5,760,000

Halsted presented the table below, which provides a summary of all projects charged to the Sewer Line Replacement Budget FY 2018/2019.

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

Project	$ Contract	$ FY 2018/19	$ Overhead/ Miscellaneous	Total for FY 2018/19
SLR 143.10 (2018/19)	$ 4,704,000	$ 4,704,000	$ 286,000	$ 4,990,000
SLR 2017/18 (complete)	$ 4,048,000	$ 420,000*	$ 10,000	$ 430,000
Altamont SLR (complete)	$ 210,000	$ 210,000	$ 30,000	$ 240,000
President Drive (complete)	$ 58,088	$ 58,088	$ 2,669	$ 60,757
* Project crossed/crosses the FY			**Total**	**$ 5,720,757**

Budget	**$ 5,760,000**

SEWER LINE REPLACEMENT 2018/2019 (45-143.10)
Decker noted that the project provides for the replacement of 3.5 miles of sewer pipe with high-density polyethylene pipe (HDPE). The project was awarded to KJ Woods Construction, Inc. at $4,588,000 and is 62% complete. Over the last month, the contractor completed work on Via Del Sol and Via La Jolla. They are currently working on Washington Ave., W A St., E 14TH St., 155th St., and Lomita Dr.

The Committee accepted the report.

SEWER LINE REPLACEMENT 2019/20
Halsted presented the SLR 2019/20 project, which will provide for the replacement of 2.4 miles of sewer pipe with high density polyethylene pipe (HDPE). Project design is near completion and authorization to take the project to the full Board for approval to publically bid was requested. The Engineer's estimate for the project is $3,700,000 with an estimated total project cost of $4,420,000.

The Committee accepted the report and authorized staff to take the project to the full Board for approval to publically bid.

- **SEWER COLLECTION SYSTEM PIPELINE RENEWAL AND REPLACEMENT PROJECT: CWSRF $25 MILLION LOAN (45-146.00)**
  FY 2018/2019 Budget $80,000
  Halsted reported that the financial portion of the application is complete and that staff is now working on the technical portion which is due in August 2019. The technical portion of the application is approximately 30% complete.

  The Committee accepted the report.

- **ADJOURNMENT**
  There being no further business to come before the Committee, the meeting adjourned at 11:38 a.m.