



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | DECEMBER 5, 2018

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Michael Perea, Interim General Manager
Lorrie Lausten, Principal Engineer
Gary Kessler, Water Department Superintendent
Kris Hanberg, Wastewater Department Superintendent
Jason Stroud, Maintenance Department Superintendent
Karen Warner, Senior Accountant
Lisa Sangi, Administrative Assistant

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Mandich called the December 5, 2018 Engineering/Operational Committee Meeting to order at 7:03 AM.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Mandich expressed his hopes that all in attendance had an enjoyable Thanksgiving holiday.

REPORT FROM THE INTERIM GENERAL MANAGER

Mr. Perea reported on the District's Toys for Tots Drive for December 2018.

Mr. Perea provided a brief update on the Holy Fire Debris Flow.

Mr. Perea provided a brief update on the District employees that received awards from the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA) H.R. LaBounty Safety Award, and he mentioned that the matter will be agendized for the December 19, 2018 Regular Board Meeting.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Perea presented the recap for Committee review in accordance with the agenda.

RECOMMENDED ACTION

The Committee recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

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PROJECT MANAGEMENT

ITEM 2: VIA ALLEGRE WET WELL EXPANSION PROJECT

Ms. Lausten provided a brief status update on this project, she mentioned that GCI Construction (Contractor) has mobilized in preparation of the project. Ms. Lausten added that the project is expected to complete by the end of January 2019. Ms. Lausten reported that DMc Engineering has been contracted by the District to perform onsite survey services, and she highlighted the planned onsite monitoring services.

Ms. Lausten provided a brief update related to attending the Rancho Cielo HOA meeting, and she provided updates to the Committee which included after-hours access and onsite v-ditch maintenance.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 3: DOVE AND ROBINSON RANCH RECYCLED WATER PUMP STATION REHABILITATION PROJECT

Ms. Lausten provided a brief status update on this project, and she provided updates related to questions raised by the Committee at the prior meeting. Discussion occurred concerning certain sections of the DRAFT Technical Memorandum. Ms. Lausten recommended that JIG Consultants attend the next Committee Meeting to review the Technical Memorandum with the Committee and answer their questions; the Committee concurred with Ms. Lausten's recommendation. Discussion occurred concerning the planned pump station electrical improvements and pump design and selection.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 4: CANYON CREEK BOOSTER PUMP STATION EVALUATION

Ms. Lausten provided an update on this project, and she provided a brief background on the project budget development process. Ms. Lausten presented photos of the current state of facility, and she mentioned that District staff contracted with JIG Consultants to prepare an evaluation of the necessary upgrades to the facility. Discussion occurred concerning facility repairs to date and certain upgrades that have been identified by JIG Consultants with the assistance of District Operations and Maintenance. Mr. Perea spoke to some of the overall challenges with the facility footprint and remote location. The Committee recommended that District staff work with JIG Consultants to identify an alternative upgrade strategy based on the recommended facility upgrades and budget constraints.

RECOMMENDED ACTION

The Committee received the status update and recommended that District staff work with JIG Consultants to identify an alternative facility upgrade strategy.

ITEM 5: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT

Ms. Lausten provided a brief update on this project, and she reported that District staff was waiting for the ninety percent (90%) design submittal from Hazen.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

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ITEM 6: PAVEMENT RESTORATION DUE TO EMERGENCY WATERLINE BREAKS

Ms. Lausten presented this matter for Committee review, and she highlighted the several emergency pipeline breaks that occurred during October 2018. Ms. Lausten commented that District staff procured multiple quotes for the pavement restoration in accordance with the District's Procurement Policy, and she reported that the District contracted with GMU Geotechnical, Inc., for preparation of the specifications, plans, and review of submitted bids for the pavement restoration projects. Discussion occurred concerning the extent of the pavement restoration on the projects. Mr. Perea recommended that the Committee approve and recommend that the Board of Directors ratify the contracts as recommended.

RECOMMENDED ACTION

The Committee approved and recommended that the Board of Directors ratify the Pavement Restoration Contract with Mission Paving and Sealing, Inc. for the Mayfield Drive and Raintree Pavement Repairs for a not to exceed amount of \$61,753.20 with a contingency of \$9,300 (Action Calendar).

The Committee approved and recommended that the Board of Directors ratify the Pavement Restoration Contract with Champion Paving for the Aliso Creek Trail Pavement Repairs for a not to exceed amount of \$9,467.00 with a contingency of \$1,500 (Action Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Backup Power Generator Federal Grant

Ms. Lausten reported that District staff has been preparing a grant application for the Federal Emergency Management Agency (FEMA) and the State Office of Emergency Services (CalOES). Ms. Lausten mentioned that this annual grant is very competitive and is set at a shared cost of 75/25 split, of which applicant agencies are responsible for 25% of the equipment costs. The Committee expressed appreciation for District staff evaluating available grant funding opportunities.

2. El Toro Sewer Lift Station Improvements

Mr. Perea provided a brief description of this Fiscal Year 2018/2019 Capital Improvement Program (CIP), and he commented that the Maintenance Department has completed minor repairs to the facility. Mr. Stroud briefly reported on the completed repairs and upgrades, and he mentioned that District staff is procuring quotes for the replacement of the pumps at the facility. Discussion occurred concerning wastewater flow rates and pressures.

Mr. Perea reported that he and Ms. Lausten met with Mr. Kevin Burton of Irvine Ranch Water District (IRWD) regarding an agreement between IRWD and Santa Margarita Water District (SMWD) to swap sewer allocations, and that the agreement would require the District to provide consent to the agreement. Mr. Perea mentioned that he requested that Mr. Burton advise when the agreement is executed by the respective parties, and that he would bring the matter to the Board of Directors. Discussion occurred concerning the partnership between the District, IRWD, and SMWD concerning the El Toro Sewer Lift Station and the flow capacity by agency.

3. Robinson Ranch Wastewater Treatment Plant Pump Improvements:

Mr. Perea provided a brief update on this project and mentioned that the approved pumps for the aerobic digester and sequencing batch reactors were ordered.

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4. Supervisory Control and Data Acquisition (SCADA) System:

Mr. Perea provided a brief update on this project, and he mentioned that District Operations staff have been utilizing the new system. Mr. Perea reported that the new SCADA system experienced an intermittent data collection failure which resulted in the loss of certain data points. Mr. Perea added that this matter was shared with the District's State Water Board Division of Drinking Water Representative, and he reviewed this matter at length with the District's SCADA consultants.

5. District Facilities Security Site Improvements:

Mr. Perea reported that District staff has procured new security cameras for this facility.

6. Other Projects:

Mr. Perea commented on the South Orange County Wastewater Authority (SOCWA) second amendment to the agreement for delivery and supply of treatment chemicals for an extension of one year with an increase of five percent.

Discussion occurred concerning the Holy Fire Debris Flow incident.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 8: SADDLE CREST DEVELOPMENT (65 DU's | WSL)

Ms. Lausten provided a brief status update on this development, and she briefly reviewed the schedules for the construction of the tank and pump station. Ms. Lausten added that the contractor has completed the installation of the onsite pipelines and that onsite irrigation has started. Ms. Lausten briefly reviewed the impacts of the steel tariffs on the reservoir construction costs.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 9: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for November 2018 and he provided the additional highlights:

1. Water Operations staff repaired a damaged fire hydrant on Dove Canyon Drive.
2. Water Operations staff replaced an air vacuum breaker device, poured a new concrete pad, and installed a new air vacuum breaker can on Golf Ridge in the Dove Canyon community.
3. Water Operations staff rebuilt a chlorine dosing manifold at the Dimension Water Treatment Plant.
4. Water Operations staff relocated a water service on Hunky Dory Drive at a customer request and cost.

Mr. Kessler reviewed the Monthly Water System Operations Summary, and he reported that the Water Operations staff exercised one hundred and seventeen (117) valves in the Walden Homes and Lower Robinson Ranch communities. There were zero breaks on valves.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

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ITEM 10: WASTEWATER SYSTEM UPDATES

Mr. Hanberg reviewed the projects and repairs for November 2018 and he provided the additional highlights:

1. Wastewater Operations staff replaced a twelve-inch (12") spool on the Robinson Ranch Wastewater Treatment Plant (WWTP) raw wastewater influent pipeline.
2. Wastewater Operations staff poured a cement pad for the Belt Press Building polymer tote container.
3. Wastewater Operations staff cleaned Barneburg and Bell Canyon Sewer Lift Stations in the Dove Canyon community.

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary with the Committee, and he briefly highlighted the impacts of the recent rain events on the District's recycled water supplies.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 11: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for November 2018 and he provided the additional highlights:

1. Maintenance Department staff worked with TESCO Controls and Beavens Systems on the District's SCADA Upgrade Project.
2. Maintenance Department staff worked on the rehabilitation of the Plano Sewer Lift Station Pump No. 1.
3. Maintenance Department staff assisted Wastewater Operations with repairs at El Toro Sewer Lift Station.
4. Maintenance Department staff procured a quote from Haaker for repairs to the District's Vector Truck (Exhibit 1).

Mr. Stroud reviewed the quote for the proposed repairs to the District's Vector Truck, and he highlighted the repairs performed on the vehicle to date. Discussion occurred concerning condition of the current vehicle and the potential future replacement costs for budget considerations.

ITEM 12: OTHER MATTERS/REPORTS

Mr. Perea recommended that the next Engineering/Operational Committee Meeting be moved to the second Wednesday of the month, January 9, 2019, due to the holiday.

RECOMMENDED ACTION

The Committee received the information and recommended this matter be forwarded to the Board.

ADJOURNMENT

Director Mandich adjourned the December 5, 2018 Engineering/Operational Committee Meeting at 8:11 AM.