



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 7, 2024

DIRECTORS PRESENT

Mike Safranski, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, District Secretary
Lorrie Lausten, District Engineer
Gary Kessler, Water Superintendent
Oscar Ulloa, Wastewater Superintendent
Jason Stroud, Maintenance Superintendent
Phil Serpas, CMMS/SCADA Administrator
Roseann Lejsek, Administrative Assistant
Sam Lee, Engineering Intern

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Safranski called the February 7, 2024 Engineering/Operational Committee Meeting to order at 7:00 a.m.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

None

REPORT FROM THE GENERAL MANAGER

Mr. Paludi reported that the District had three committee meetings scheduled for the following day.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap(s) for Committee review in accordance with the agenda. Discussion occurred concerning the context of certain comments captured in the recap from the January 3rd meeting. Director Safranski provided additional context to his comments related to the strategy of shifting approved capital funds from a canceled or modified project to fund the proposed communications improvements at the Robinson Ranch Wastewater Treatment Plant (WWTP). Mr. Paludi commented that staff intends to capture the spirit of comments made at the public meetings and will clarify comments prior to publication, if necessary.

MOTION: Approve the Engineering/Operational Committee Meeting Recap(s) and recommended that the Board receive and file the same (Consent Calendar) – Director Dopudja

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SECOND: Director Safranski
AYES: Directors Dopudja & Safranski
NOES: None
ABSTAIN: None
MOTION PASSED/FAILED: Passed 2 – 0

ITEM 2: GOLF CLUB SEWER LIFT STATION IMPROVEMENTS CONSTRUCTION MANAGEMENT SERVICES

Ms. Lausten presented this matter for Committee consideration and review, and she provided a brief overview of the project. Ms. Lausten reported that the District has received four proposals after publicly bidding the project, and she presented a proposal evaluation which compared the costs of each proposer. Ms. Lausten recommended awarding the project to MCM Consulting and requested that the Committee recommend the Board of Directors ratify a professional services agreement.

MOTION: Approve and recommend the Board of Directors ratify a professional services agreement for the Golf Club SLS Improvements for Construction Management Services with MCM Consulting in the amount of \$246,770, plus a 10% contingency of \$24,677, for a total not-to-exceed amount of \$271,447 (Action Calendar) – Director Dopudja
SECOND: Director Safranski
AYES: Directors Dopudja & Safranski
NOES: None
ABSTAIN: None
MOTION PASSED/FAILED: Passed 2 – 0

ITEM 3: ROBINSON RANCH WASTEWATER TREATMENT PLANT COMMUNICATION SYSTEM UPGRADE

Mr. Paludi presented this matter for Committee consideration and review. Ms. Lausten provided an overview of the project, and she presented a quote from Beavens Systems Incorporated in the amount of \$277,259.35. Ms. Lausten reported that this project was originally scoped as primarily a fiber-optic conduit installation and budgeted in the CIP for \$130,000. However, during the project development process the scope was necessarily expanded to include the replacement of certain obsolete in-plant SCADA equipment, and the overall project cost estimate was increased to \$300,000. Ms. Lausten stated that other CIP projects will be deferred to stay within the current CIP budget. Mr. Ulloa provided information on the challenges of the current communication system at the RRWWTP. Discussion occurred concerning the relation of this project to the ongoing SCADA Improvement Project under the TESCO contract; Mr. Perea explained that this project is separate from the TESCO SCADA project as the RRWWTP operates independently from District SCADA system and this is primarily onsite communications improvements. Director Dopudja expressed his concern with shifting capital funds from other projects to cover this specific project, but he commented that this project is critical and supported staff recommendation.

MOTION: Recommend the Board of Directors authorize the General Manager to execute a contract for the RRWWTP Communication System Upgrade to Beavens Systems Incorporated in the amount of \$277,259.35, plus a 10% contingency of \$27,725, for a total not-to-exceed amount of \$304,984.35. (Action Calendar) – Director Dopudja
SECOND: Director Safranski
AYES: Directors Dopudja & Safranski
NOES: None
ABSTAIN: None
MOTION PASSED/FAILED: Passed 2 – 0

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ITEM 4: COUNTY OF ORANGE REQUEST FOR PERMANENT AND TEMPORARY EASEMENT ACQUISITION RELATED TO TRABUCO CREEK ROAD STORM DRAIN IMPROVEMENT PROJECT

Mr. Paludi presented this matter for Committee consideration and review. Mr. Perea provided background of the project and presented the Committee with an exhibit of the proposed project site and provided the terms of the proposed agreement between the District and the County of Orange. Mr. Perea noted that he would like to thank general legal counsel for their assistance in coordinating with the County on this project, and he recommended forwarding this matter to the Board for their consideration.

MOTION: Recommend the Board of Directors authorize the General Manager to execute acquisition contract and related easement deeds specific to the County of Orange Trabuco Creek Road Storm Drain Improvement Project (Action Calendar) – Director Dopudja

SECOND: Director Safranski

AYES: Directors Dopudja & Safranski

NOES: None

ABSTAIN: None

MOTION PASSED/FAILED: Passed 2 – 0

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. Staff presentation on Cartegraph

Mr. Serpas delivered a PowerPoint presentation and a real-time demonstration of Cartegraph, the District’s Computerized Maintenance and Management System (CMMS), to the Committee. Discussion occurred concerning the benefits of the system’s ability to track asset performance, operational practices such as sewer cleaning and fire hydrant flushing, and budget planning. Mr. Serpas highlighted the secondary benefits of the system by tracking vendor compliance with insurance and Department of Industrial Relations requirements. The Committee commended staff on implementing the CMMS system.

2. Staff presentation on WWTP SBR Improvements

Mr. Ulloa delivered a PowerPoint presentation to the Committee concerning aeration system improvements completed by staff in addition to their regular duties. Mr. Ulloa highlighted the anticipated energy savings due to the system improvements and the cost savings by completing the work in-house. The Committee commended staff on their hard work and planning efforts to improve the treatment operations with the system improvements. Director Dopudja emphasized the cost savings benefit to the District of Operations staff performing the work without the use of outside contractors.

3. Staff Presentation on Dove Center Fire Service Upgrades

Ms. Lausten delivered a PowerPoint presentation to the Committee on the onsite improvements to the Dove Center which included the installation of backflow prevention devices and fire system valves. Ms. Lausten reported that the District owns and operates the plaza distribution system.

4. Saddle Crest Development Update

Mr. Paludi reported that the District is working with general legal counsel on a proposed settlement. Mr. Paludi added that the District will be meeting with the developer over the next few weeks to continue discussions.

ITEM 6: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for the prior month, and he reported that Water Operations staff had completed the following tasks:

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1. Exercised 82 water valves in the Dove Canyon community.
2. Replaced one fire hydrant in the Robinson Ranch community and one fire hydrant in the Dove Canyon community.
3. Worked with TESCO Controls at the Dimension Water Treatment Plant (DWTP) and district pump station.
4. Continued to perform system/facility operational tests and troubleshoot problems at the Saddle Crest reservoir and pump station facilities.

Mr. Kessler presented the Water System Summary for Committee review, and he reported that the recent rain events have resulted in a significant increase in well volume.

MOTION: None – Informational item only.

ITEM 7: WASTEWATER SYSTEM UPDATES

Mr. Ulloa reviewed the projects and repairs for the prior month, and he reported that Wastewater Operations staff had completed the following tasks:

1. Testing of Heritage Lift Station pump logic after electrical repairs to generator and ATS.
2. Installed E. SBR mixer.
3. Replaced 6-inch valve at Dove Recycle (NDW) Pump Station.
4. Assisted Tesco in the testing of Shadow Rock Dry Season Recovery Station.
5. Replaced a 6-inch flow meter for the intertie to SMWD at Portola Basin

Mr. Ulloa presented the Recycled Water System Summary for Committee review, and he reported that Dove Lake was full due to the recent rain events. Mr. Perea reported that staff has received correspondence from the DCMA Infrastructure Committee with concerns related to certain sewer manhole lids that will require inspection and possible replacement, if necessary.

MOTION: None – Informational item only.

ITEM 8: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for the prior month, and he reported that Maintenance staff completed the following tasks:

Projects and Repairs

Maintenance staff performed and/or completed the following tasks and projects:

Water Operations

1. Assisted in a job walk with Water Operations and David Rodriguez with Flo-Services for the backwash wet well sump pump at the Dimension Water Treatment Plant (DWTP).
2. Worked with a locksmith vendor to re-key the Saddle Crest Booster Pump Station with a sub-key for vendors and developer representatives to access the facility.
3. Performed inspection on El Toro Field Office/Booster Pump Station electric motor.
4. Attended Tekdrauliks/Goulds Pump training class in Irvine.

Wastewater Operations

1. Assisted P2S Consultants with the ARC Flash inspection at 27 sites.

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District Fleet Upgrades & Other Projects

1. Attended the Water Emergency Response Organization of Orange County (WEROC) Quarterly Meeting.
2. Performed semi-annual vehicle inspections and oil changes on HD electrical motors.
3. Performed service on vehicle no. 7, including oil change, tires, tire sensor replacement, and wiper arm recall.
4. Rebuilt the CAT Backhoe hydraulic arm.

MOTION: None – Informational item only.

ITEM 9: OTHER MATTERS/REPORTS

Mr. Paludi introduced Mr. Sam Lee, Engineering Intern, to the Committee.

MOTION: None

ADJOURNMENT

Director Safranski adjourned the February 7, 2024 Engineering/Operational Committee Meeting at 8:28 a.m.