



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JANUARY 6, 2021

DIRECTORS VIA CONFERENCE CALL

Ed Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, Assistant General Manager/District Secretary
Gary Kessler, Water Department Superintendent

STAFF PRESENT VIA CONFERENCE CALL

Lorrie Lausten, District Engineer
Lisa Marie Sangi, Administrative Assistant

DISTRICT CONSULTANTS PRESENT VIA CONFERENCE CALL

Kyle Bohn, TetraTech Engineers

PUBLIC PRESENT VIA CONFERENCE CALL

None

CALL MEETING TO ORDER

Director Mandich called the January 6, 2021 Engineering/Operational Committee Meeting to order at 7:00 AM. Public access to the meeting was made available by video broadcast.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Dopudja wished staff a Happy New Year and safe holiday season.

Director Mandich echoed Director Dopudja's comments and wished staff a Happy New Year.

REPORT FROM THE GENERAL MANAGER

Mr. Paludi wished all in attendance a Happy New Year.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

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RECOMMENDED ACTION

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

ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) RELATED TO THE PROPOSED PALOMA SQUARE DEVELOPMENT (DOVE CANYON PLAZA) AND OTHER RELATED MATTERS

Director Mandich reported that his employer Hunsaker Engineers was no longer contracted to work for William Lyon Homes and has had no contact with Taylor Morrison Homes. Mr. Paludi provided a brief update concerning this matter, and he reported that District staff has not been contacted by any of the parties involved with the proposed development. Ms. Lausten provided a brief update on the DRAFT Parking Demand Study (Study) completed by AGA Engineers, Inc., and she requested feedback from the Committee concerning certain elements of the Study. Discussion occurred concerning insufficient parking access at the District's Administration Facility to meet observed demand, especially for certain annual events like the Annual Water Awareness Day Event. The Committee recommended forwarding the Study to the Board of Directors for their consideration.

RECOMMENDED ACTION:

Committee to Recommend to the Board of Directors to receive and file the Parking Demand Study completed by AGA Engineers, Inc.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING PORTER PROPERTY RESERVOIR PLANNING LEVEL CONSTRUCTION COST ESTIMATE

Ms. Lausten reported that District staff has contracted with TetraTech Engineers to evaluate the associated planning level construction cost estimate for a reservoir on the District's Porter Property, and she introduced Mr. Kyle Bohn to the Committee. Mr. Bohn delivered a PowerPoint presentation for Committee consideration which provided an overview of the report, and he highlighted previously completed studies and reports prepared for the District. Mr. Bohn reviewed the identified planning level cost estimates and the possible challenges associated with construction of a reservoir. The Committee requested additional information related to costs for underground electrical utilities and the preliminary estimated costs for the construction of the onsite non-domestic water reservoir; Ms. Lausten reported that she would provide that information to the Committee.

RECOMMENDED ACTION:

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

ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Ms. Lausten provided a brief update on this project, and she mentioned that there was a one-week delay due to procurement of the project fencing due to the impacts of COVID-19. Ms. Lausten reported that District staff issued a Project Construction Notice to the affected customers was provided to the customers which provided a project timeline and potential impacts during the construction period.

RECOMMENDED ACTION:

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

ITEM 5: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING RECYCLED WATER PUMP STATION PAVING PROJECT

Ms. Lausten provided a brief project status update, and she reported that District staff has procured two bids for paving work at the Dove Recycled Water Pump Station now that the facility improvement project is completed. Ms. Lausten reviewed the two bids with the Committee, and she recommended Champion Paving for the project. Ms. Lausten added that District staff would prefer to begin the work as soon as possible to avoid adverse weather impacts.

RECOMMENDED ACTION:

Approve and recommend the Board of Directors ratify a Construction Contract with Champion Paving for the Recycled Water Pump Station Paving Project in the amount of \$17,590, with a contingency of \$4,000, for a not to exceed amount of \$21,590 (Action Calendar).

ITEM 6: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING WASTEWATER TREATMENT PLANT ACCESS ROAD SLURRY SEAL PROJECT

Ms. Lausten provided a brief overview of this proposed work, and she reported that the access road to the Robinson Ranch Wastewater Treatment Plant was repaved approximately three years ago and needs to a slurry seal to preserve the road. Ms. Lausten reported that District staff procured three bids for the proposed work, and she recommended Mission Paving and Sealing for the project. Ms. Lausten added that District staff would prefer to begin the work as soon as possible to avoid adverse weather impacts.

RECOMMENDED ACTION:

Approve and recommend the Board of Directors ratify a Construction Contract with Mission Paving and Sealing, Inc. for the Wastewater Treatment Plant Access Road Slurry Project in the amount of \$17,200 with a contingency of \$2,000, for a not to exceed amount of \$19,200 (Action Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Falcon Estates Development

Mr. Paludi introduced this matter for Committee review, and he reported that Ms. Lausten has been working with the developer to acquire additional equivalent dwelling units (EDU's) and the abandonment of an existing onsite well used for irrigation purposes consistent with the settlement agreement with the District.

2. Saddle Crest Development

Mr. Paludi presented this project for Committee review, and he provided a brief update concerning recent discussions with the developer.

3. Joplin Property/SCADA Upgrade

Mr. Paludi provided a brief update on this project, and he reported that District staff has submitted a formal letter to Orange County Public Works (OCPW) regarding the importance of the District's repeater antenna on the County-owned onsite reservoir at the Joplin Youth Camp. Mr. Paludi added that he would maintain contact with OCPW to resolve this matter and will provide an update to the Committee at a later date.

4. Dimension Water Treatment Plant Waste Tank Replacements

Ms. Lausten provided a brief update on this project, and she reported that this is an approved budgeted capital improvement project for Fiscal Year 2020/2021. Ms. Lausten presented photographs which demonstrated the condition of the existing waste tanks, and she reviewed the improvements plans prepared by JIG Consultants. Discussion occurred concerning the condition of the existing tank and the project timeline for completion. Director Dopudja commended District staff on their concerted efforts and quality of work.

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5. Silvertree Lane Pipeline Replacement

Ms. Lausten provided a brief update on this project, and she reported that the street paving portion of the project was completed. Ms. Lausten presented photographs of the project area for Committee review. Discussion occurred concerning the potential need for future street improvements.

6. Other Projects

Ms. Lausten reported that District staff have engaged with MKN Association to complete assessment of the District's assets, facilities, and equipment.

RECOMMENDED ACTION

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

ITEM 8: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for December 2020, and he provided the additional highlights:

1. Water Operations staff changed out one curb stop on Brighton in the Dove Canyon Community.
2. Water Operations staff cleaned all water filters (18) at the Trabuco Creek Ground Water Treatment Facility and changed out all chemical feed lines.
3. Water Operations staff repaired one isolation valve and worked with contractor, Ferreira Construction to replace one hydrant axillary valve on Foxtail Lane in the Dove Canyon.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that District staff responded to an emergency line break on Rose Canyon Road when a customer's contractor broke a one-inch water service line and the three-quarter inch irrigation line.

RECOMMENDED ACTION

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

ITEM 9: WASTEWATER SYSTEM UPDATES

Mr. Perea reviewed the projects and repairs for December 2020, and he provided the additional highlights:

1. Wastewater Operations staff worked with the Maintenance Department and Hydrotech Electrical to install/relocate underground utilities at the Heritage Sewer Lift Station, including a new electrical conduit for the security gate opening system and domestic water service for the existing eye wash station.
2. Wastewater Operations staff installed a temporary odor control system to mitigate odors at the sewer force main to gravity line transition on Golf Ridge Drive in the Dove Canyon community.
3. Wastewater Operations staff started the raw wastewater influent sampling period for the Crystal Canyon WWTP at The Oaks at Trabuco.
4. Wastewater Operations staff assisted the Water Operations with the repair of a domestic system valve on Foxtail Lane in the Dove Canyon community.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary and the fourth quarter Sewer System Management Report with the Committee.

RECOMMENDED ACTION

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

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ITEM 10: MAINTENANCE DEPARTMENT UPDATES

Mr. Perea reviewed the projects and repairs for December 2020, and he provided the additional highlights:

1. Maintenance Department staff borrowed an emergency generator from Moulton Niguel Water District, for the Falcon Booster Pump Station due to the fire in Silverado and Modjeska Canyon. Hydrotech Electric was used for the connection.
2. Maintenance Department staff conducted a generator test at Ridgeline Booster Pump Station with CAT and Hydrotech Electric to tune the emergency generator for 100% operation.
3. Maintenance Department staff have completed the Biennial Inspection of Terminals (BIT) program.
4. Maintenance Department staff did repair work on the West Hoffman blower at the Robinson Ranch Wastewater Treatment Plant. The main skid was re-mounted to the floor by the contractor, Wicked Welding Mobile Fabrication. Hydrotech Electric found a main breaker malfunctioning and prepped it for replacement. There was also a Variable Frequency Drive (VFD) upgrade to the control motor startup. Repair work continuing into January.
5. Maintenance Department staff ordered four (4) new Baldor booster pumps from Tekdraulics, for the Rose Well Treatment Facility.
6. Maintenance Department staff assisted Hydrotech Electric on the lighting upgrades at the Golf Club Sewer Lift Station and the Dimension Water Treatment plant.
7. Maintenance Department staff worked with Sanitation Operations and Hydrotech Electric to install underground utilities at the Heritage Sewer Lift Station. This includes a new electrical conduit for the electric gate. Along with a new potable water lateral for the hose bibs and eye-wash station.
8. Maintenance Department staff had Fleet Services install a new winch cable on the Roll-Off (Slide Rail) truck.

RECOMMENDED ACTION

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

ITEM 11: OTHER MATTERS/REPORTS

Mr. Paludi reported that District staff have responded and implemented a new odor control system to mitigate certain odors on Golf Ridge Drive in the Dove Canyon community. Mr. Paludi added that he was coordinating with a Dove Canyon Master Association Community Delegate concerning cumulative domestic water consumption data for comparison purposes only.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the January 6, 2021 Engineering/Operational Committee Meeting at 8:25 AM.