

Engineering and Operations Committee Meeting

Minutes

June 22, 2017

The E&O meeting convened at 1:35 P.M., Thursday, June 22, 2017, at the Lakeway Municipal Utility District's office located at 1097 Lohman's Crossing, Lakeway, Texas 78734-4459.

The following Engineering and Operations (E&O) Committee Members, General Manager (GM), and Board Liaison were in attendance:

Phil Lanier, *Committee Member (Chairperson)*,
Beverly Carter, *Committee Member*,
Earl Foster, *General Manager, Lakeway M.U.D.*,
Jerry Hietpas, *Board Member and Board Liaison to Committee*,
Bob Rives, *Committee Member (Secretary)*,
Wayne Seime, *Committee Member (Vice Chairperson)*

The meeting's agenda had been distributed by e-mail to all committee members on June 20, 2017. The designated agenda for the meeting was:

1. Review Pay Application #4,
2. Review Construction for S-5 and I-4 (Add Irrigation to End of Contract),
3. Review Capital Expenditures for 2018,
4. Update on Out-of-District Wastewater Preliminary Engineering,
5. Discuss Possibility of Irrigating Highlands Boulevard,
6. Other Business.

Mr. Lanier called the meeting to order and Mr. Foster began with the introduction of agenda item number one. Mr. Foster said that the Contractor's Application and Certificate for Payment #4 was approved and paid to CRU, Ltd. by the Board on June 6th for the amount of \$75,600.00.

Mr. Foster gave a quick update on the work at I-4 and mentioned possible additional irrigation work at the end of the contract work that covers S-5 and I-4. It calls for adding to the existing automatic irrigation system at the S-5 Wastewater Plant. This irrigation work would increase the present system with 91 spray heads, 15 electric flow control valves, along with a digital controller that could be expanded to 48 stations. It is estimated that the cost will be about \$19,000. Three contractors are bidding on the irrigation work. The system will use wastewater from the S-5 plant/pond and each spray-head can broadcast about one gallon/minute. This innovation will help with the dissemination of our wastewater and will also enhance the

appearance of the plant area located just off of Highlands Blvd. Mr. Foster pointed out that our work on the contract is under budget and can accommodate this extra work and that it would be a reasonable expectation for the use of the bond money. It was proposed and seconded for the Lakeway M.U.D. Board to consider that "Committee concurs with Mr. Foster's lowest bidder irrigation project at the S-5 Plant area." There was unanimous consensus of the Committee.

Mr. Foster reviewed his proposed annual basket of small capital projects for Board approval of Capital Expenditures for 2018. One project is the S-5 polymer feed system estimated to cost \$9,800. Another item is to repaint all the wastewater tanks at S-4 and S-5 for \$10,300. A third item is repaint all piping at S-4, I-4, S-5, and Yaupon for \$33,816. Mr. Foster added that he was also working on prices for two new trucks.

Mr. Foster indicated that progress continues on the out-of-district wastewater issue. Preliminary engineering has begun on determining a possible pipeline layout and rough initial cost of the project. Normally a sewer system is laid out prior to building houses and streets as this allows for the most advantages engineering design. However, because of the combination of terrain difficulties and houses and streets that are already constructed, the new sewer pipeline will have to follow the most non-aggressive course while using state-of-the-art underground directional boring techniques. As such gravity-fed pipes from all the houses seems not be a viable solution as it appears that the main pipeline will have to be pressurized. This will require all the houses that connect to the main pipeline to have a two-horse power "grinder" pump installed. Mr. Foster is also looking into the possibility of having an outside company or agent prepare the public poll as well as set up an informational webpage and advertisement that will educate and advise people that live in Old Lakeway.

Mr. Foster mentioned that the Highland's area is still very interested in our proposal for a treated wastewater irrigation system using our S-5 plant.

In other business Mr. Foster said that some individuals in on Mariner are having a periodic short-term loss of pressure and Foster's men are now checking to see if the behavior is due to an isolated valve problem. Low pressure is defined below 35psi. Additionally, there is also an area that appears to have lower than ideal pressure. The engineers are looking at ways to correct the anomaly by possibly increasing the size of the E-3 tank at Trophy or perhaps adding a second tank at E-3, especially since this tank would be at a higher elevation and provide more pressure. Foster said more engineering will be required to find the best solution to the problem.

The next meeting was called for July 20, 2017 at 1:30 P.M. With no further business Mr. Lanier adjourned the meeting at 3:25 P.M.

The minutes have been read and approved by e-mail:

The minutes approved this 27st day of June, 2017.

Yeas 4, Nays 0, Abstain 0.

Robert Rives, Secretary, E&O Committee, Lakeway MUD