

Triview Metropolitan District, Feb. 15

Contract awarded to improve water monitoring and control systems

By Jason Gross and Lisa Hatfield

At the public meeting held by Triview Metropolitan District on Feb. 15, the board awarded a contract to improve water system monitoring and control systems, approved leases for the district's Fountain Creek water shares, received an encouraging briefing from their water attorney on the district's legal water status, reviewed the final status of the 2016 district budget, and discussed how to work better with the Town of Monument.

Treasurer Marco Fiorito was absent.

Triview is a Title 32 special district within the town of Monument that provides roads and open space main-

tenance, water, and sanitation services to the residents of Jackson Creek, Promontory Pointe, and Sanctuary Pointe.

New SCADA system contract awarded

John McGinn of JDS-Hydro Engineering Consultants, district Manager Valerie Remington, and Josh Cichocki, water superintendent, presented to the board the results of the Request for Proposal (RFP) to construct and overhaul the TMD Supervisory Control and Data Acquisition (SCADA) system. This RFP covers phases 1 and 2 of the project through 2017. Additional bids for phases 3 and 4 will be awarded later, for a total budgeted cost of \$400,000.

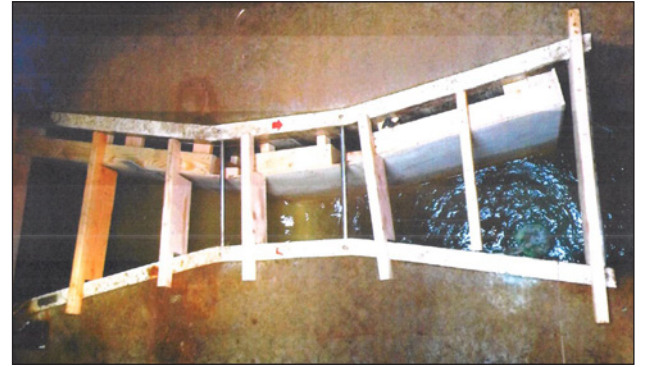
The hiring panel, which consisted of representatives from JDS-Hydro, Remington, and Cichocki, unanimously recommended the board accept the \$147,150 bid from Golder and Associates. After extensive discussion, the board unanimously accepted the recommendation.

During the discussion, McGinn explained that while all three companies that submitted bids were competent and capable of doing the work, Golder and Associates' package best met the district's requirements. In cost, Golder was the middle bid. However, Golder stood out in three important areas:

- They provided a much more complete and well-thought-out approach to Triview's comprehensive "master-planning" needs.
- The proposal was much more complete and thorough on the elements required at both treatment plants.
- Golder's cyber-security package was by far the most defined and industry standardized. Cichocki highlighted that the current system was a "hodge-podge of obsolete and antiquated systems" and that the new SCADA would create a real cyber firewall compared to what Triview has now.

Director Jim Otis expressed concern about the possible use of proprietary software, and McGinn said that in the Request for Proposal they specified no proprietary software be used. McGinn emphasized part of the intent of the new design is to have equipment that any water system company could work on, so if/when there is a problem in the future, multiple companies could provide assistance to Triview.

Vice President Reid Bolander commented that the district was expanding its system and asked if any



Above: On Feb. 15, Triview District Manager Valerie Remington displayed photos of a temporary wooden flume installed at Upper Monument Creek Regional Wastewater Treatment Facility (UMCRWWTF). The replacement permanent flume will be a precisely engineered and calibrated device used to measure the Triview's share of influent flow volume into UMCRWWTF, as the state requires. This temporary flume was designed by JDS-Hydro Engineers, built by Steve Remington, and installed by Triview staff to fill in until the new permanent replacement flume arrived. *Photo courtesy of Triview Metropolitan District.*

components will be sized such that they will need to be replaced in three to five years due to growth. McGinn responded that the Sanctuary Point pumping station is designed to accommodate growth and that they don't see the other system areas growing extensively.

Bolander noted that Golder's bid was less than the \$200,000 budgeted for this phase of the project. Remington clarified that as they get into the project, there will likely be additional costs uncovered and they expected the full budgeted amount to be spent. Remington also said the panel has discussed change order and cost containment strategies and that "the budget will drive spending." Once the budget cap is reached, any additional costs will have to be considered for future planning.

It was also noted that the new SCADA will have a recurring annual software subscription cost estimated at about \$1,500. Cichocki said that in the past, Triview had let software updates lapse on the current system for eight years, costing more in penalties, and that all software devices require regular updates.

Remington explained the new SCADA equipment will make the system more efficient, allow for faster response times, assist in troubleshooting, and enable water pumping to occur more effectively during times of cheaper electric rates. Cichocki explained the new SCADA system will increase the number of sensors in the water system from about 45 to around 200 when the project is complete.

Renewable water shares leased

Remington explained to the board that one-time fees associated with their recent purchase of Fountain Mutual Irrigation Co. (FMIC) totaled \$10,500. She explained there is an annual fee of \$75 per water share totaling \$37,500, but that cost will be reimbursed by the lessees of the water.

Remington told the board that three entities applied to lease 480 of the 500 shares Triview just purchased from FMIC, leaving 20 shares yet to be leased. The income from the leases for the district totaled \$102,000. Chris Cummins of Monson, Cummins & Shoet LLC, Triview's water attorney, had ideas on how to earn income from the remaining shares, too. The board unanimously approved the leases. President Reid Bolander estimated about 40 percent of Triview's monthly bond payments would be offset by the lease income.

Bolander indicated 2017 will be a tough year to meet payments, but it is also the last year for payments on the Northgate groundwater purchased a few years ago. He said that in 2018 about \$450,000 will be freed from the completion of that obligation that can be used to help make the FMIC payments.

Triview's water supplies summarized

Cummins provided the board with a "Summary of Legal Water Entitlements" and his view on the status of the district's legal water supplies. He clarified the difference between "legal" water, which is water the district has a right to, and "actual" water, which is the district having



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