

VILLAGE OF FONTANA ON GENEVA LAKE  
WALWORTH COUNTY, WISCONSIN

**Monthly Meeting of the Public Works Committee**  
**Friday, October 7, 2016**

(OFFICIAL MINUTES)

Chairman Tom McGreevy called the public works committee meeting to order at 3:00 pm on Friday, October 7, 2016.

**Members Present:** Trustee McGreevy, Mark Kennedy, Todd Reschke, Bruce Adreani, Russ Ceschi, Trustee Rick Pappas (arrived at 3:24 pm)

**Member Absent:** Trustee Stan Livingston

**Also Present:** David Arnott, Dennis Barr, Joe Eberle, Ahmad Hamdan, Dennis Martin, Brett McCollum, Dave Rex

**Visitors Heard**

None

**General Business**

**Approval of Minutes for Meeting Held August 19, 2016**

**Kennedy/Adreani 2<sup>nd</sup> made a MOTION to approve the minutes for the meeting held August 19, 2016, and the MOTION carried without negative vote.**

**Well No. 4 Pump Investigation and Soft Start Electric Controls Project Approval**

Layne Christian Company Engineer Ahmad Hamdan reported on the pumping equipment investigation his firm completed in August and September on Well No. 4 and the results indicate that with some repair work on the columns and a tune-up on the motor that the pump and columns can be reinstalled, which will save more than \$75,000 on the initial cost estimate to have the pump and motor replaced. Hamdan stated that the repair work, including two optional items totaling \$3,199, will not exceed \$59,819 if approved. The initial estimate to have the pump motor replaced, if it had been deemed necessary following the investigation, was \$150,000. When the repairs and tune-up work is completed, the 17-year-old Byron Jackson pump and motor are estimated to last another 10 to 20 years. Dan Butler, from the Village engineer firm Ruckert-Mielke, reported in an October 7, 2016 emailed message that testing performed by Layne in August 2016 showed that the pump discharge rate had dropped significantly. "In addition, the pump had been 'tripping out' recently. It was suspected that a hole in the pump or column pipe was the cause of the drop in the rate of flow reaching the surface. Layne pulled the pump. The column pipe section immediately above the pump had one large hole and a small hole developing where the pipe threads meet the coupling. The tripping out problem likely was caused by the flow reaching the surface being insufficient to actuate a switch intended to detect a pump fail. The pump had been operating since initially installed in 1999, which is good life for a well pump. The pump and motor are coupled together and are located 520 feet down at the end of a string of 26 20-foot-long column pipe sections. Layne recommends replacing 12 of the 26 column pipe sections. The new

pipe sections will be placed nearest the pump, where the pressure is highest and constant or intermittent submergence tends to cause corrosion and a build-up of material. Layne's proposal is based on time and materials and includes what I feel are generous estimates of the time needed to complete the work. I would expect the actual total labor hours to be less than the estimate." Following discussion, the committee approved the two additional items for a ceramic coating (protective layer) to be painted onto the interior of the bowl castings before they are reinstalled, for an additional \$1,884; and for the purchase of a stainless steel strainer to replace the initially installed galvanized steel strainer, which is very rusty, for an additional \$1,315. The other expenses are for the materials and labor for Layne to repair and reassemble the Byron Jackson pumping equipment, for the purchase and installation of some new column piping, and for the repair and installation of some of the old column piping and the electrical service cable. The cable still has to be tested; however, preliminary investigation indicates that the old cable likely is in good enough shape to be reinstalled.

Kennedy/Adreani 2<sup>nd</sup> made a MOTION to authorize the reduced scope of the Well No. 4 repair and rehabilitation work, with the two additional items as presented, to be completed by Layne Christian, Pewaukee, for a cost not to exceed \$59,819 if it is determined to be necessary to replace the electrical service cable for approximately \$17,000. The MOTION carried without negative vote.

### **Tarrant Drive Lift Station Rehab Proposal**

Ruekert-Mielke engineers Joe Eberle and Dave Arnott reviewed a preliminary proposal obtained by Utility Department Supervisor Dennis Barr, and the alternative No. 4 in the firm's Tarrant Drive Lift Station Study that calls for the rehabilitation of the current lift station in its present location for approximately \$439,425. The project would include designing and pouring a new concrete base for the lift station, installing an appropriate retaining wall, and purchasing and installing a fiberglass, insulated enclosure with two access doors over the current wet well. Barr received a proposal from L.W. Allen, Inc., Madison, to furnish and install an above-grade wet well mounted valve and control chamber, and a fiberglass enclosure to replace the current lift station building and equipment for about \$97,000, not including the site planning or cement base work or the electrical hookup work. Eberle also explained that due to the current DNR and building code standards for public buildings and lift stations in particular that the L.W. Allen proposal also would have to be expanded to include geotechnical site planning work for the new cement base, and because of the total cost of the project it will have to go through the state bid process. Following several questions and discussion on the state bid process, Martin stated that the proposal submitted by L.W. Allen is basically the alternative No. 4 in the Ruekert-Mielke Tarrant Drive Lift Station Study completed in April 2014. Eberle stated that if the committee wants Ruekert-Mielke to pursue the alternative No. 4 to address the current Tarrant Drive Lift Station, they should commence with the geotechnical planning and preparation of the bid documents. Martin stated that the project costs can be added to the proposed 2017 Bond Series if the proposal is favored by the committee and approved by the Village Board.

Adreani/Trustee Pappas 2<sup>nd</sup> made a MOTION to direct the Village engineering firm Ruekert-Mielke to commence with the planning and bid process for Alternative No. 4 in the April 2014 Tarrant Drive Lift Station Study, and to commence with the geotechnical

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engineering work immediately. The MOTION carried without negative vote.

**Water and Sewer Project Updates – Mecum Sanitary Line Investigation, County Highway B, Indian Hills Road Lot, Mohr Road Lift Station, Hydrant Installations**

Barr stated that the sanitary sewer line that runs across the lakefront of the Mecum lot at 1028 South Lakeshore Drive was recently televised by the crew and the line is in very good shape since it was replaced last year during the residential construction project. The old sewer line was crushed by one of the Mecum contractor vehicles and had to be replaced immediately. Barr stated that the investigation of the sewer line, which runs between 5- and 6-feet-deep, was planned to determine if it should be replaced at this time as the construction is now complete and an occupancy permit has been issued. Barr stated that the line is perfectly clear and should not be replaced at this time, and it will be monitored for the next few years. Eberle stated that Ruckert-Mielke has been working with the DNR on the required wetland delineation and permitting for the water main extension project along County Highway B, from Indian Hills Road at Berwyn Drive to County Highway B and then along the highway to the west to the back of the Pheasant Ridge subdivision and patched into the existing water main at end of Pheasant Ridge Lane. Martin stated that the County Highway B water main project costs are planned to be included in the proposed 2017 Bond Series. Eberle stated that Ruckert-Mielke engineers are also working with the DNR on wetland delineation issues on the lot owned by the Adreani family at the southeast corner of Indian Hills Road and South Lakeshore Drive. The use of the lot for a proposed storm water detention facility is part of the Mohr Road cost-sharing agreement between the Village and the Adreani and O'Halleran families. If the Village is able to receive DNR approval for an adequate storm water management facility to be developed on the wooded lot, the Indian Hills subdivision storm water project plans can be finalized and put out for bids. Martin stated that the Indian Hills storm sewer project costs also are planned to be included in the proposed 2017 Bond Series. Martin stated that the new generator has been installed for the Mohr Road Lift Station upgrade project, which also is part of the Mohr Road cost-sharing agreement between the Village and the Adreani and O'Halleran families; and exterior design improvements for the lift station equipment building and site fencing have been planned by the architect working on the O'Halleran residential construction project, and reviewed and approved by staff. Barr stated that the crew has been busy all year with the replacement of old fire hydrants, and the preliminary 2017 Utility Budget calls for the same level of funding for new hydrants as the 2016 budget. Martin stated that one other project that is nearly complete is the Abbey Springs Water Main project, and the only remaining items are road surface reconstruction of two spots on Abbey Springs Drive and the reconstruction of a golf cart path that was crushed by a subcontractor working to repair a water main break created by the underground boring of the new water main. Martin stated that the road restoration work was not included in the initial contract with the Wanasek Corporation as staff could not determine how much of the road would be impacted by the construction vehicles driving to and from the construction zones. The quote Wanasek submitted to complete the road and golf path resurfacing work totaled \$27,397, and Martin stated the village engineers advised the estimate is very expensive and suggested that staff solicit proposals from other area contractors. Following discussion, the committee members reached the consensus that the Wanasek bid should

not be accepted, staff should seek other estimates for the work, and the project should be awarded to the firm that submits the least costly estimate.

**Authorize 2017 Sale of Truck No. 11 and Recommendation on Offer to Purchase**  
DPW Manager Brett McCollum reported that Truck No. 11 is worth about \$20,000 and the preliminary 2017 budget calls for the purchase of a replacement truck. McCollum stated that DPW Mechanic Jim Hoover has recommended that Truck No. 11 be sold the last two years as costly repairs are mounting every year. The truck is in good working order, with the motor and hydraulic system issues currently all addressed. Martin stated that the Village usually lists its old DPW and Police Dept. vehicles for sale on eBay, but the fees for selling vehicles on eBay increase with the selling price, so the village would lose about \$1,000 or more if Truck No. 11 is sold on eBay. McCollum stated that he has received an offer to purchase Truck No. 11 for \$20,000 in 2017 from a municipality in Northern Illinois, and Martin stated that the Village attorney has advised that a direct sale can be recommended by the committee and approved by the Village Board if desired. Following discussion, the committee members reached the consensus that if the village can sell the truck for its current value directly to another municipality, the eBay listing fee can be saved; however, staff should check again with the Village attorney and have him provide a written opinion that states a direct sale is approvable by the Village Board.

**Set Next Meeting Date**

The next meeting will be held Friday, December 2, 2016 at 3:00 pm, if necessary.

**Adjournment**

Adreani/Kennedy 2<sup>nd</sup> made a MOTION to adjourn the meeting at 3:48 pm, and the MOTION carried without negative vote.

Minutes prepared by Village Administrator Dennis Martin

Approved: \_\_\_\_\_