

VILLAGE OF GRAFTON
BOARD OF PUBLIC WORKS MEETING MINUTES

OCTOBER 13, 2014

The Board of Public Works meeting was called to order at 6:00 p.m. by Chair Sue Meinecke.

Board members present: Trustee Sue Meinecke, Trustee Dave Antoine, Pat Murray, Les Blum, and Trustee Lisa Harbeck (6:04 p.m.).

Staff present: Director of Public Works/Village Engineer Dave Murphy, Superintendent of Public Works Gary Helm, Utility Superintendent Tim Nennig, Utility Program Coordinator Larry Roy, and Administrative Assistant Melissa Depies.

HEAR PERSONS REQUESTING TO BE HEARD

None

MINUTES

Motion by Mr. Murray, seconded by Mr. Blum, to approve the September 8, 2014, Board of Public Works meeting minutes and the October 6, 2014, Special Board of Public Works meeting minutes. Motion carried.

WATER & WASTEWATER

Septage Receiving Station project amendment

Utility Program Coordinator Larry Roy explained that Donohue & Associates was contracted to do the design engineering and construction related services for the Septage Receiving Station. There were two change orders to the contract, one for hydraulic loading and one for design of a high-flow diversion structure.

This project received financing for construction and an interest rate subsidy through the Clean Water Fund Program which is managed by the DNR. The interest rate subsidy for the loan is worth \$93,648. However as a result of this subsidy a Wastewater Collection System Operation and Maintenance Manual Certification Checklist must be completed.

Completion of this manual and checklist was not part of the original contract with Donohue & Associates because they were hired prior to receiving DNR funding and the interest rate subsidy. They are requesting an additional \$5,000 to complete the documents.

Mr. Roy stated that due to the type of funding for this project a higher level of an operation and maintenance plan is required. The manual does not require additional maintenance, it will just spell out more thoroughly what needs to be done and will provided additional maintenance documentation.

Motion by Mr. Blum, seconded by Trustee Antoine, to recommend the Village Board approve Amendment No. 3 to the Septage Receiving Station

Engineering Services Agreement with Donohue & Associates, Inc., Sheboygan, WI to create an Operation and Maintenance Manual for the Septage Receiving Station and to also complete the checklist for the amount of \$5,000; increasing the total contract amount to \$49,900. Motion carried.

Award WWTP sludge hauling and disposal

Utility Superintendent Tim Nennig explained that the Utility's current contract for sludge hauling with Badger State Waste (formally Schwind Trucking, LLC) expires on December 31, 2014. Therefore, requests for proposals were requested based on existing offsite sludge storage facility, land applications sites, and sludge management plans.

Contractors submitting bids were also required to provide future sludge management plans detailing steps they would take to obtain necessary regulatory approval for sludge storage facilities and land applications sites closer to the Village. If any facilities become available closer to the Village, the approved contract would be re-opened and modified to reflect the true cost of the services provided.

Requests for proposals were sent to Badger State Waste, LLC, Pure Blue Waters, and Crystal Springs. Badger State Waste was the only contractor to submit a formal bid and they offered at tiered pricing proposal based on storage tank location and direct land application.

Mr. Nennig stated that there are other firms that could provide a hauling cost for Grafton's sludge; however, they do not offer disposal, land management and reporting services.

Pure Blue Waters and Crystal Springs are both sludge management and disposal companies that are permitted to discharge directly to the Milwaukee Metropolitan Sewerage District. However, MMSD has made a decision not to accept Grafton sludge. They indicated that the Grafton's sludge was too high in heavy metal concentrations.

Mr. Nennig was lead to believe that Pure Blue Waters and Crystal Springs could develop additional sludge storage and disposal options; however, neither contractor submitted a bid package.

Mr. Nennig noted that the 2015 budget includes \$89,500 for sludge storage and disposal. The anticipated costs for 2015 is in the range of \$69,550 on the low side and \$84,500 for the worst case scenario. The most realistic scenario would be a combination of direct land application for approximately 30 percent of our sludge, and hauling the remaining 70 percent to the Rate storage tank in the Town of Addison (estimate \$69,550).

Trustee Antoine questioned if this pricing structure was fixed for the entire 5 year term of the contract. Mr. Nennig replied, yes.

Director of Public Works/Village Engineer Dave Murphy questioned if there was any language in the contract for fuel surcharges. Mr. Nennig replied, yes fuel surcharge language was incorporated.

Trustee Harbeck questioned if there were other communities that were authorized to dispose of sludge directly to MMSD. Mr. Nennig replied, yes; however, these communities were previously permitted and will ultimately be required to meet the new discharge permit regulations as well.

Mr. Nennig stated that Grafton does have a high quality sludge; however, it does contain elevated concentrations of certain heavy metals. The sludge could be diluted but the hauling costs would then be higher resulting in little to no cost savings to the Village.

Mr. Blum questioned who was responsible to find fields for direct land application. Mr. Nennig stated that Badger State Waste would be the responsible party to find the fields and obtain approvals by the DNR.

Trustee Meinecke questioned if the Village would need a not-to-exceed cost on this item. It was determined that a total not to exceed cost could not be provided as the contract was based on a unit price for gallons hauled, the consensus was to have it worded to not exceed the cost of the tiered pricing amounts.

Motion by Mr. Blum, seconded by Trustee Harbeck, to recommend the Village Board award the WWTP sludge hauling and disposal contract; for years 2015-2019, to Badger State Waste LLC, West Bend, WI for a not-to-exceed cost of the tiered pricing amounts as submitted. Motion carried.

3rd Quarter 2014 SDWA compliance results

Utility Superintendent Tim Nennig stated that the Utility completed the 3rd quarter VOC sampling as required by the DNR at the end of July.

Mr. Nennig provided the results of the sampling indicating that once again some raw, untreated water did show exceedances in maximum contaminant levels. These exceedances occurred at Well 5 and involved elevated levels of trichloroethylene, 1,1 dichloroethylene and carbon tetrachloride.

Carbon tetrachloride is a new VOC contaminant identified at Well 5; therefore, Mr. Nennig handed out a fact sheet on the contaminant for Board members information.

Mr. Nennig noted that at Wells 3 and 7, which are on the east side of town, the presence of contaminants remain virtually non-existent. However wells on the west side, Wells 4, 5, and 6, continue to show contaminants in the raw water samples.

Well 5 continues to be the most challenging well. It is well known that the concentrations of certain VOC contaminants within the raw water supply to Well 5 are present in abundance. Twenty to 25 years of monitoring data indicates that these levels are not showing any signs of improvement despite years of pumping.

Well 6 requires no VOC treatment at this time; however, there are several items of concern with the operation of Well 6. The Utility is well aware of a definite link between groundwater sources of Wells 5 and 6. Over-pumping Well 6 for extended periods of time will pull the concentrated contaminants toward Well 6 and show up in any sampling performed.

Also the DNR has stated that any future and sustained VOC contaminant exceedances at Well 6 would result in the requirement that onsite VOC treatment facilities be installed and operated. This needs to be considered as plans for future development of the surrounding area are approved. The Village needs to be prepared for the possibility of adding VOC treatment facilities to the plot of land owned at the current well site.

Mr. Blum questioned how many gallons each well pumped per minute, stating that if Wells 5 and 6 are the most productive wells but are creating issues, could some things be switched around so the Utility does not have to worry about the contaminates. Mr. Nennig responded that it would be impractical from an operations standpoint due to Wells 5 and 6 being the primary supply wells in the Village's west side high pressure zone. Mr. Nennig also responded that VOCs are easy to treat.

Utility projects update

Ninth Avenue Lift Station Replacement: A photograph was handed out of how the lift station area looked the day project began and another of how the area looked on 10/13/14 with the improvements. The exterior block walls, the interior masonry walls, and the building roof structure are all complete. Once the building is fully enclosed the mechanical and electrical sub-contractors will move in to complete their portion of the project.

Annual Water System Leak Survey: The Utility has completed three of the six leaks recovering an estimated 14,400 gallons per day. Two remaining hydrant repairs are scheduled for later this week and the third leak; a mainline valve, has actually stopped leaking on its own. The Utility will continue to monitor this valve.

WWTP Compact Plant #1 Re-coating: Utility staff is completing some maintenance issues including replacing badly corroded structural aluminum with stainless steel. The largest WWTP process tank will be placed back into online service by the end of the week.

WWTP Primary Clarifier #1 Rehabilitation: There was an issue with the finish coatings applied to the structural steel which is resulting in the contractor coming back to scuff-up the finish and apply the correct coating at the correct mil thickness.

WWTP Digester Cleaning and Inspection: Digester cleaning work is scheduled to begin this week with anticipated completion October 24.

Report of benchmark measurements-Utility

Utility Superintendent Tim Nennig stated that there are many benchmarks that the Utility has already exceeded; however, there is still a lot of work that needs to be completed before the winter. Mr. Nennig presented a list of projects scheduled to be completed in the next five to six weeks.

Mr. Nennig indicated that he recently attending a conference and the new requirements coming down on collections systems will require much additional work.

PUBLIC WORKS

Resolution: Tree treatment/planting grant

Director of Public Works/Village Engineer Dave Murphy stated that he has submitted an application for an Urban Forestry Grant for tree treatment, tree planting, and an Emerald Ash Borer Management Plan.

Mr. Murphy explained that this is a 50/50 cost share grant up to \$50,000. Therefore a resolution indicating the Village's commitment to match funds is required.

Mr. Murphy noted that the Village share has already been budgeted for 2015. Trees, chemicals to treat the Emerald Ash Borer (EAB), and labor and equipment for planting and treatment procedures. The grant would allow us to do more than currently scheduled.

Trustee Harbeck noted that the application indicated treatment of approximately 100 Ash trees, she would like to treat more trees. Mr. Murphy stated that how many trees are treated will depend on the size of the tree, however we are anticipating 100 trees per year for a total of 300 trees treated per cycle.

Trustee Antoine questioned if the Village treats any trees. Mr. Helm replied that our tree specialist will look at each tree/site and determine if it is a good candidate for treatment. They will consider the planting area of the tree, tree health, and tree size.

Mr. Blum commented that the beetles typically will attack an older tree before the younger trees. Mr. Helm stated that they have seen the borer in a tree as small as 6 inches in diameter. Any Ash tree is at risk; however, a declining tree or an older tree is slightly more susceptible.

Mr. Murphy stated that he will be drafting an Emerald Ash Borer Management Plan for review and acceptance by the Village Board.

Mr. Nennig questioned if the tree has some dead branches in the middle, does that mean there is no recourse for the tree. Mr. Helm stated that the whole tree really needs to be removed.

Mr. Helm stated that Menomonee Falls recently adopted an ordinance requiring We Energies to remove their own brush. The Village of Grafton should also consider this type of action. As this EAB problem continues to grow curbside brush collection could get out of control.

Motion by Mr. Blum, seconded by Mr. Murray, to recommend the Village Board adopt a resolution supporting the Tree Treatment/Planting Grant Application. Motion carried.

Major projects update

Water Storage Building and Septage Receiving Station: Project is substantially complete; however, there are some computer issues with the Septage receiving station that still need to be resolved.

Bridge Street Dam Repair: Project is complete. There is one final payment for approximately \$30,000 that needs to be processed prior to making the request from the DNR for payment of the grant funds.

Bridge Street Dam Lighting: Steiner Electric has determined that the competitor's fixtures would be a better product with more intense lighting and no additional costs to the Village. The rope lighting on the bridge deck will either be a double ribbon or both strands very close together so it will look like one ribbon with more intense lighting. The rope lighting on the bridge deck will be a white light. The contractor is required to do a mockup of the lights with all colors prior to installation.

Street Reconstruction: Payne and Dolan, the paving contractor, is scheduled to grade Fourth Avenue and Rose Street Wednesday, October 15; however, with the current rain and forecast for additional rain this will probably be pushed back until the weather clears. Payne and Dolan will also pave Mole Drive.

Shady Lane Storm Sewer: There is a section of storm sewer on Shady Lane that needed to be connected to the storm sewer system. Public works crews recently completed this work. The Town and the Village will be cost sharing the project.

Habitat for Humanity: To install the sidewalk west of the driveway, a storm sewer system needs to be built. The materials have been ordered, when received crews will begin installing two inlets and two manholes.

Report of benchmark measurements-Public Works

Superintendent of Public Works Gary Helm reported that the crew has begun leaf collection and that will be priority for the next several weeks. Crews are also grinding the stumps on any removed trees and restoring the right-of-ways.

Trustee Harbeck questioned if Advanced Disposal has returned our calls regarding the recycling weights. Melissa Depies replied that they have not return the call, she will continue to work with them to get the issue resolved.

OLD BUSINESS

Trustee Meinecke noted that the 2015 proposed budget was distributed and she noted that throughout the entire budget the 2015 Recommended and the 2015 Executive columns are identical; therefore, there is no way for the Board to see when a recommended budget number has been changed by the Village Administrator.

Director of Public Works/Village Engineer Dave Murphy explained that each department head has a meeting with the Village Administrator and the Finance Director to discuss the recommended budget numbers, any changes are mutually agreed to.

Trustee Meinecke stated that she was aware of some issue with the Capital Improvement Fund with the Chipper and questioned if the matter had been resolved.

Mr. Murphy stated that when the 5-year Capital Improvement Budget was approved the chipper was inadvertently removed; therefore, some adjustments needed to be made to

make up for this expense. We obtained budget numbers from vendors for the equipment; however, we believe that they are a bit higher than what we expect; therefore, those numbers were reduced to more realistic numbers. Also the department recently sold a dump truck on Wisconsin Surplus. We had anticipated receiving \$10,000 for this truck; however, it sold for \$32,000 which allows a bit of a cushion in the capital equipment fund for future purchases.

Trustee Harbeck questioned when insurance payments are received, are those funds returned to department budget. Mr. Murphy replied that any insurance money received is put into the General Fund and does not go back to the specific department.

There have been many large dollar issues that transpired in 2014, they include but are not limited to:

- Lightning strike on the traffic signals that required the signal cameras to be replaced - \$7,096
- Traffic signal knockdown at WIS 60 and Dakota Drive - \$8,004
- Storm sewer repair project on Sunset Court - \$13,117
- Shady Lane/Habitat storm sewer project - \$2,200
- Signal camera at WIS 60 and Dakota Drive - \$12,800
- Road salt was over by approximately \$15,000.

NEW BUSINESS

Superintendent of Public Works Gary Helm indicated that the Municipal Services Facility has very hard water, which is causing calcification and clogging issues with the ice machine, shower and faucet heads, and all other plumbing fixtures. All fixtures are the low flow style and the hard water calcification is causing them to plug and require maintenance or replacement on a regular basis. A repair contractor has been called in several times for the ice machine as well as many crewperson hours spent on this machine trying to keep it running properly.

He requested permission to obtain quotes for installation of a commercial grade water softener for the building. He anticipated that the cost could be as high as \$5,000.

It was the consensus of the Board to obtain quotes for review at the November meeting.

ADJOURN

Motion by Trustee Harbeck, seconded by Mr. Blum, to adjourn the meeting at 7:23 p.m. Motion carried.