

VILLAGE OF GRAFTON
BOARD OF PUBLIC WORKS MEETING MINUTES

MONDAY, APRIL 11, 2016
*AMENDED

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 Tom Krueger, Trustee Dave Liss, and Les Blum.

Board members excused: Pat Murray.

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.

Others present: Scott Van Dyke and B.J. Leroy – AECOM.

HEAR PERSONS REQUESTING TO BE HEARD

Scott Van Dyke, 419 Washington Street, explained that he has had an on-going problem with sewer backups due to tree roots growing into the lateral to the home. The lateral was camera scoped in March which revealed that the lateral had nine breaks.

Mr. Van Dyke received price quotes from several different excavators to have the lateral dug up and replaced as well as pricing to have the lateral re-lined. The most economical quote was to have the lateral dug and replaced for a cost of \$3,260 to \$5,580. Additional costs would be incurred if they needed to go under the sidewalk and into the right-of-way.

Mr. Van Dyke is seeking financial assistance with this project.

Director of Public Works/Village Engineer Dave Murphy stated that Village Code states that the Village will assist with costs if the work is done within 3 years of the street improvement project. Fifth Avenue is scheduled for mill and overlay in 2022. The Village would make any repairs to the *lateral up to the property line at that time.

Mr. Van Dyke stated that the past 15 years have been horrible for him and he would like to complete the entire project as to avoid any possible issues.

Mr. Murphy stated that the average cost for sewer lateral work, based on project costs from this year's project, is \$80.25 per foot. To fix the lateral from the property line to the curb and gutter would be approximately 10 feet or \$800. The Village could also reimburse Mr. Van Dyke for the slurry backfill material and install the sidewalk.

Trustee Krueger questioned if the Village would be setting precedent if they agreed to financially assist this project.

Trustee Liss stated that he lives in this area as well and he too needs to cleanout the lateral each year.

Superintendent of Public Works Gary Helm stated that he too had to do the cleanout regularly until the Third Avenue project was completed.

It was the consensus of the Board that the Village would offer to reimburse the cost of the slurry material under the sidewalk and the Public Works Crew would replace the sidewalk. This being consistent with Village policy.

MINUTES

Motion by Trustee Krueger, seconded by Mr. Blum to approve the March 14, 2016 Board of Public Works meeting minutes, as presented. Motion carried.

PUBLIC WORKS

Groundwater Monitoring: Lime Kiln Landfill & West Plume Area

B.J. Leroy–AECOM highlighted a power point presentation explaining the progress and activities associated with the Lime Kiln landfill groundwater monitoring. He stated there were no significant changes in 2015; the downgradient users are currently safe and most wells are stable or trending downward in concentration. The two wells in the middle of the plume continue to show upward concentrations. The plan for the future is to continue monitoring for changes and possibly reduce the monitoring area.

Trustee Krueger questioned when the last time was that the DNR allowed a change in the monitoring area. Mr. Leroy responded that the last change was made when the sites were combined approximately 2 years ago.

Village Pointe Commons Additional Water Main

Director of Public Works/Village Engineer Dave Murphy explained that the well located on the Village Pointe Commons property may need a stripping tower at some point in the future; the developer believed the stripping tower would reduce the development value therefore they agreed to install water main to a parcel of land across the road to prepare for the future stripping tower. The Developers Agreement did not include who was responsible for the associated costs; therefore the developer sent the Village a bill for approximately \$61,000.

Mr. Murphy calculated actual construction costs based on the unit prices from the Falls Road project and calculated a cost of \$34,564 for the water main. Installing the water main at this time saved the Utility additional cost of restoring the pavement and landscaping around the project. Village Pointe Commons provided the Utility with an easement/parcel at no cost, therefore it is recommended that the Village pay the costs associated with the water main.

Trustee Krueger questioned if this new dollar amount had been discussed with the developer and if it was acceptable to them. Mr. Murphy stated that he has discussed this with them and they will accept the revised amount.

Motion by Mr. Blum, seconded by Trustee Liss to recommend the Village Board approve the Water Utility to compensate Village Pointe Commons \$34,564 for the installation of the additional water main for the stripping tower. Motion carried.

Bridge Street Dam Scour Survey

Director of Public Works/Village Engineer Dave Murphy stated that the Village is required by the DNR to complete a Dam Scour Survey before December 31, 2016.

Requests for Proposals were sent to eight engineering firms however only two proposals were received back: Ayres Associates – lump sum fee of \$4,800 and Short Elliott Hendrickson, Inc. – time and materials, not to exceed \$5,300. Both proposals were excellent with qualified teams to complete the work.

Mr. Murphy recommended Ayres Associates because the project price was known. Ayres proposals also included qualified divers in case it was not possible to perform the survey from a boat due to flow conditions.

Mr. Blum suggested that this work be done when the water level is dropped for the Riverwalk Project. Mr. Murphy responded that this type of project should be done in July when the water flow is at the lowest. He is anticipating the Riverwalk project being done in June. The scour survey should take only one day to perform.

Due to past history with Ayres, Trustee Meinecke wanted a guarantee that there would be no change orders and that this is a firm fixed price. Trustee Krueger stated he was comfortable with the proposal from Ayres however wanted to ensure that the compliance report to the DNR was included.

Mr. Murphy responded that he did talk with the Ayres team to clarify that the DNR compliance letter would be included.

Motion by Trustee Krueger, seconded by Mr. Blum to recommend the Village Board award the contract for the Bridge Street Dam Scour Survey to Ayres Associates for a lump sum cost, not to exceed \$4,800. Motion carried.

Riverbend Road Lift Station Interceptor Connection Fee (ICF)

Director of Public Works/Village Engineer Dave Murphy explained that the current ICF is currently set at \$3,360.23. This ICF was charged to developers to reimburse the Utility for the oversizing of the Falls Road Lift Station and north interceptor sanitary sewer line. This project area is 90 percent developed and the Village has recovered the full project costs.

A new ICF should be determined to recoup the cost of oversizing the new River Bend Road Lift Station and interceptor lines. Applied Technologies provided a report determining the fees as follows: Lift Station - \$1,247 per acre; interceptor costs of \$292 per acre for the north service area and \$1,155 per acre for the east service area.

Discussion was held as to how these figures should be adjusted. Currently the I-43 Lift Station is increased by 8 percent annually while other fees are adjusted by the ENR

index. The reason the 8 percent flat increase was set is because that was the interest rate of the borrowing at the time of the project. This may be something that the Board would review at some future point.

Motion by Trustee Krueger, seconded by Trustee Liss to recommend the Village Board eliminate the existing ICF fee of \$3,360.23 per acre and create two new ICF as follows: River Bend Road Lift Station North service area ICF at \$1,539 per acre; and River Bend Road Lift station East service area ICF at \$2,402 per acre. Motion carried.

Department of Public Works 5-Year Capital Improvement Program

Superintendent of Public Works Gary Helm presented the 5-year capital equipment program. He indicated that the proposed fund was increased from an average of \$240,000 per year to \$275,000 per year.

The increase is due to equipment going to the tier 4 engines and inflation. He noted that equipment is placed in the program based on age and equipment maintenance and performance. Equipment has been moved around within the program in efforts to keep the annual costs within a certain budget.

Mr. Helm also noted that the Loader is not on the 5 year list, however will be coming up for replacement next year. Miller-Bradford & Risberg has offered to purchase the Village's existing loader and provide a rental unit for the Village to use. Miller-Bradford would hold a \$60,000 line of credit and the Village would rent a loader from them for a fee of \$13,800 per year. This is a fixed price for 3 years. The next 3 years the price would be fixed at no more than \$14,000.

The Village would then rent a loader from Miller-Bradford. The rental would provide the Village with a new machine every 3 years, maintenance free; any maintenance that was needed would be done by Miller-Bradford. After the 3 year period Miller-Bradford would take ownership of the machine and have used equipment to sell to contractors.

Mr. Blum did some rough calculations to determine if this was advantageous to the Village or not. It was determined that actual costs would be very close when you considered purchase price and all maintenance costs.

It was the consensus of the Board to include the rental fee for the loader into the General Fund budget when the letter of credit was depleted.

Motion by Mr. Blum, seconded by Trustee Liss to recommend the Finance Committee support the 5 Year-Capital Improvement Program which includes the Equipment Replacement Program and Street Improvement Program as presented. Motion carried.

Major projects update

Director of Public Works/Village Engineer Dave Murphy stated that the contractor has started construction on Ninth Avenue. They will be putting in a temporary water service above ground to eliminate water outage to the residents during the project.

Report of benchmark measurements-Public Works

The benchmark report was reviewed.

Superintendent of Public Works Gary Helm stated that trees removed/stumped will be over the benchmark goal due to the Emerald Ash Borer.

Mr. Helm also noted that due to the warmer temperatures the street cleaning crew was able to get an early start therefore a lot of debris was removed from the streets before reaching the storm sewers.

WATER & WASTEWATER

Rehabilitation of Primary Clarifier #2

Utility Program Coordinator Larry Roy explained that there are four clarifiers. Final Clarifier 1 was refurbished in 2013, Primary Clarifier 1 was done in 2014. Primary Clarifier 2 is scheduled for 2016 and Final Clarifier 2 is scheduled for 2017.

Primary Clarifier 2 project includes removal of all the steel and mechanical components, refurbish and reinstall. This includes:

- Removal of all the clarifier mechanisms and steel components for off-site rehabilitation
- Abrasive blasting of the steel
- Finishing all of the steel with an epoxy coating
- Overhauling the gear box and turntable
- Reinstallation with new stainless steel hardware, turnbuckles, surface skimmer, chain guard, rubber seals, squeegees, and new gear motor
- Final adjustments, inspections, and start up.

Bids were requested from five contractors; only two bids were received: Crane Engineering - \$73,480 and Sabel Mechanical - \$93,243.

Motion by Trustee Krueger, seconded by Mr. Blum to recommend the Village Board approve the Primary Clarifier #2 Rehabilitation project and award the contract to Crane Engineering, Kimberly, WI in the amount of \$73,480. Motion carried.

Audubon Avenue Lift Station engineering proposal and consultant selection

Utility Superintendent Tim Nennig stated that the Audubon Avenue Lift Station was placed into operation in 1971 and serves Village sanitary sewer tributary areas bounded by STH 60 to the north, First Avenue to the east, Bobolink Avenue to the west and West Cedar Street to the south. It is the oldest lift station in the Village.

The Audubon Avenue and 17th Avenue Lift Stations are considered below-ground lift stations due to the wet and dry wells being below grade. The structures are classified as permit-required confined spaces that present safety hazards when performing necessary inspection, operation and maintenance activities which are typically done two times per week.

Mr. Nennig stated that the electrical service coming into the station from overhead is in very poor condition and will require replacement. The Utility has been advised that WE Energies will require the station's existing service feed to be brought up to today's code and standards.

Mr. Nennig explained that it may be possible to extend new 3-phase electrical service directly from Well #5 a few hundred feet southeast of the proposed replacement lift station location. The electrical service brought into the new station from the well would provide for emergency power due to the well having on onsite auxiliary generator.

The Utility has a very tight easement along the bike path where the lift station is located therefore Utility staff has discussed the option of placing the facility in the back corner of Wildwood Park with the Park and Recreation Director as well as neighboring property owners. All are in favor of this option.

Mr. Nennig recommended awarding the design engineering services to Applied Technologies. It is anticipated that this lift station project will be designed in 2016 and constructed in 2017.

Motion by Mr. Blum, seconded by Trustee Liss to recommend the Village Board approve the engineering scope of services proposal for the Audubon Avenue Lift Station project from Applied Technologies Inc. of Brookfield, WI in the amount of \$54,800. Motion carried.

Sludge hauling contract amendment and extension

Utility Superintendent Tim Nennig explained that the Utility is currently in a 5-year contract with Badger State Waste LLC (Badger) for management of the biosolids hauling and disposal. The contract with Badger expires on December 31, 2019.

Per DNR requirements the Village must ensure a minimum 180 days of sludge storage. This requirement can be met using existing sludge storage facilities permitted to the Village or through Badger.

Recently Bader requested the Village to transfer a 520,100 gallon A.O. Smith Harvester sludge storage tank owned by the Biese family in the Town of New Holstein, out of Village assignment and into that of Badger. Currently the Village is the exclusive user of the Biese tanks.

In late 2015, Badger acquired and received DNR approval for use of a 520,000 gallon harvester sludge storage tank on the Marvin Rate farm in the Town of Addison. Although the Rate tank is assigned to and under the name of Badger; they have agreed to provide the Village with up to 50 percent of the tank's total capacity. This will aid in meeting the DNR's 180 day storage requirement.

Mr. Nennig recommended transferring the Biese tank into Badger's name as it is the Village's plan to haul less sludge to that location and take advantage of more cost-effective sludge disposal options.

In consideration for the Village transferring assignment of the Biese sludge storage tank over to Badger, they have offered to re-open the existing 5-year agreement with the Village and provide a 2-year contract extension guaranteeing no sludge hauling price increases through April 30, 2021. Badger has also agreed to modify the contract language which will allow transferring the Biese sludge storage tank back into Village assignment should the Village choose to no longer contract with Badger for their biosolids management needs.

It was the consensus of the Board to allow the transfer of the Biese tanks to Badger. Mr. Nennig will work with Badger to get all formal requests, documentation, and agreements completed.

1st Quarter – 2016 SDWA Compliance Results

Utility Superintendent Tim Nennig stated that the Utility recently completed 1st Quarter - 2016 Safe Drinking Water Act (SDWA) as required by the DNR. Samples were collected from all well sites on March 16, 2016. Laboratory analytical work was performed on March 18, 2016 by Northern Lake Service out of Crandon, WI. Analytical work was completed specifically for volatile organic compounds (VOCs) and for nitrates at each well site.

Mr. Nennig highlighted the test results for each well explaining the exceedances of various compounds in the raw water. As usual there were no surprises with the test results.

Utility 5-Year Capital Improvement Program

Utility Program Coordinator Larry Roy presented the 5-Year Capital Improvement Program stating that the Utility works closely with the Department of Public Works to identify water and sewer replacement work in conjunction with their street improvement program.

The 2017 projects include:

- Water and sewer main replacements in: Sixth Avenue (Spring Street to Elm Street); Power Street (Fifth Avenue to Seventh Avenue); and Tenth Avenue (Power Street to Hickory Street).
- Water main replacement in Elm Street (Sixth Avenue to Seventh Avenue)
- Audubon Lift Station
- Final Clarifier 2
- Roof replacements

2017 proposed equipment purchases include:

- Utility truck
- Used triaxle or quad axle dump truck (cost share with DPW)
- Sewer jet vac truck
- All terrain utility vehicle

Motion by Trustee Krueger, seconded by Trustee Liss to recommend the Finance Committee support the Utility's 5-Year Capital Improvement Program. Motion carried.

Utility projects update

Utility Superintendent Tim Nennig commented on the projects as follows:

Re-lining of Sanitary sewer Main: Third Avenue, Spring Street: Re-lining of sanitary sewer mainline in Third Avenue (Washington Street to Spring Street) and Spring Street (RR tracks to Eleventh Avenue) is being done rather than replacement due to overall condition and alignment of the pipe at a considerable cost saving to the Utility.

Collection System CMOM Program: Project is approximately 80 percent complete.

Report of benchmark measurements-Utility

The benchmark report was reviewed.

AMR Meter Installs and/or Upgrades: To date field staff has completed 62 percent more installs/upgrades than at this same time in 2015. Also almost 70 percent more water meters have been tested this year versus last year at this time. Field Operator Dean Groleau has been doing a great job.

Sewer Mainline Back-ups: The Utility responded to a sanitary sewer mainline back-up on March 24. Excessive rag and debris buildup was the cause affecting 4 or 5 homes on Sixth Avenue south of Power Street. Partial reason for this buildup is the new “low flow” toilets; there simply is not enough water to push the solids through the line. Two homeowners have submitted damage claims to the Village as a result of the back-up.

OLD BUSINESS

Director of Public Works/Village Engineer Dave Murphy stated that he has been in contact with the Commissioner of Railroads requesting repairs to the Hickory Street crossing. He requested that the asphalt be milled and repaved approximately six feet on both sides of the track.

NEW BUSINESS

None

ADJOURN

Motion by Mr. Blum, seconded by Trustee Krueger to adjourn the meeting at 8:15 p.m. Motion carried.