

PUBLIC WORKS COMMITTEE
MINUTES
OCTOBER 3, 2011

Chairman Peterson called the regular meeting of the Public Works Committee to order at 6:30 P.M. Present were: Mr. Peterson, Mr. Magnus, Atty. Cox, Mayor Adams, Bruce Werrbach, Brenda Warren, and Dennis McMullen. Also present: Tim Stewart, Gail Beach, and Zachary Baker. Absent: Mrs. Nelson.

Motion by Mr. Magnus, second by Mr. Peterson to waive the reading of and approve the minutes of September 19, 2011, as presented. All ayes. Motion carried 2-0.

ENGINEER'S REPORT

1. Prairie St. Improvements. The project is progressing along well, but some time was lost due to the heavy rains last week. All streets are cored out and ready for curb installation which should be done Wednesday. They will then start placing the final aggregate base and begin installing sidewalks. Paving and final restoration will follow with completion of the project in approximately 3 weeks.
2. Athletic Field Water Extension. Nothing new to report.
3. Misc. Sidewalk and Curb Repairs. Stenstrom Excavation has completed all the concrete curb, sidewalk, and HMA patches. Restoration will be completed today. 80 feet of sidewalk was added in Old River Hills after the gaping hole was found and has been sealed with new concrete.
4. Test Bores. Layne Christensen has completed their analysis of the test hole we bored at the Rockton Athletic Fields. They have submitted their findings which are attached to the Engineer's Report.

Upon review of the report, it appears there are two formations that will produce a substantial amount of water (first from 125' to 135' and the second from 150' to 160'). The sieve analysis shows positive gradation for continued flow through these formations that could produce as much as 800 GPM. However, since there are little or no current wells in the surrounding area to provide existing pumping records, the safe

assumption would be 500 to 700 GPM. If it was below 500 GPM, Mr. McMullen would recommend not proceeding. He feels that this well will produce 600-700 GPM. We will be replacing a well that produces 1200 GPM. Even though we had the greatest production, we do not have the greatest storage. With this large production, this well does not run more than 6 hours per day even in the summer months. You normally do not get that kind of production in a sand and gravel pack well. Well #9, our blending well, is only 850 GPM and is at 128 feet. In a sieve analysis, they take stone samples all the way down and in the water bearing area, it is not limestone, it is pebbles and rocks which range in size from 1/8 of an inch to 3/4 of an inch. You want more of the fines in there, as the fines allow more water to pass than the larger stuff.

We are still awaiting the chemical analysis from the Illinois Water Survey which will detail any high levels of iron, mercury, etc. Radium is not present in sand and gravel aquifers, only in limestone formations. We hope to have this report by the end of the week.

In talking to Layne Christensen, we feel that any additional borings would most likely have the same results. We are very limited from the Rock River basin to areas of known rock outcroppings.

At this time, depending on the final water analysis, we would recommend proceeding with cost estimates to develop a well at this site. We would also need direction from the Village if you want some additional building space for the Athletic Field maintenance or sports equipment. The additional square footage will increase the price of the well house, but be far cheaper than a stand-alone building.

We will prepare a status report for EPA based on the data we have received by October 15, 2011.

Mr. Peterson questioned whether consumers would notice a loss of pressure from the lower production of the well. Mr. McMullen stated

that pressure is not dictated by the GPM of the well. We can use the old well until this well is developed and after that we can use it for emergency purposes. He stated that we do not want to abandon the old well because we are starting to see where creative people are coming up with some more cost effective processes to treat the radium. We will in the meantime look into the costs of developing this well. It will have a 42 inch hole where the other well had a 27 inch hole since it is a deeper well. Stainless steel screening for the well will cost about \$195 a foot. If you treat the other well, you may spend \$400,000 to \$500,000 and get nothing but a continual maintenance issue. If everything works out right with this well, you will have 500-700 GPM that will not cost you anything. You can run the other well to waste. Maybe a few years down the road they will come up with a process that won't cost so much to get that well back in service.

MAYOR ADAMS

1. Weeds at Sonoco. Mayor Adams reported that he had a bid from our weed guy of \$250 to take care of the weeds at Sonoco Products.
2. Pool. Mayor Adams stated that we received the official letter stating that our pool cannot be opened until repairs are made. The gentleman that we talked to in Chicago will be meeting with the Mayor and two board members rather than giving a presentation to the full board. If he is just trying to sell us a new pool, we will not bother talking to him, but if he can save us money on the repair work that needs to be done, it may worth our time.

STREETS & WALKS – MR. MAGNUS

1. 914 Armstrong Drainage Issues. Mr. Magnus stated it is flat by this gentleman's home and there is no ditch there. He is getting a puddle at the end of his drive by his mailbox. The easiest route is to put the ditch back in which he did not want. He wondered if there was something the village could do to correct it. Mr. Magnus stated the property owner would like to see some type of dry well by taking an 8" corrugated pipe

2. and drilling a hole and placing the pipe in that hole. Mr. McMullen stated that would work for a while but not very long as it would fill up with silt. He will have to make sure it is flush and not a hazard to the plows. The property owner will do this himself. If it does not work, he will be back to talk to us. Mr. Magnus will let him know he can do this.
3. Illinois Enhancement Program. Mr. Magnus stated that this program covers Safe School Route Grants. He wondered if we could put the Rockton Road path onto this grant. Mr. McMullen stated that he is not sure that we fall into the Safe Routes for School since we are not constructing something all the way to school. The path we were putting together was from Dorr Road out to the shopping area and doesn't interconnect with the schools. Safe Routes to Schools has to start from a given location that is known to have students and go to the front door of the school. It would be very costly since all the storm sewer is on that side of Rockton Road and he would hate to bump the kids from one side of the street to the other. Mrs. Warren suggested going through the Pinecroft neighborhood and go a back route to the schools. She felt the schools could be interested in that. Mr. McMullen stated you could go down Pinecroft Lane through the detention areas and to the back door of the schools. You could put one project in the Safe Routes to Schools and the other one in the old ITEP Program. You won't get funding for both. Mayor Adams stated that everyone in the county is going after this money. Roscoe Township wants to put the path from where the Stone Bridge Trail ends under 251 and then up north on the frontage road to South Beloit to Gardner St. The county has also offered to put a bike path when they redo Prairie Hill Bridge. South Beloit is interested in putting a bike path on South Bluff up to the bus station in Beloit. We have to decide if we want to go from Stone Bridge to Dorr Road with the enhancement money and do Dorr Road to Rt. 2 with the Safe School Routes. Mr. McMullen stated that the paperwork would not be a large cost as he already has a template. Mayor Adams stated that you could stripe the path on the frontage road. Mr. McMullen stated the frontage road is only 22 feet. Safe Routes needs 8 feet so you would have to add to the width of the roadway or actually create the path. You could carve a path with ag lime and pave it 10 years from now. Mr. McMullen will

resubmit to Ice Tea for the pathway and get an engineering estimate for the other one. Applications come out in January.

4. Christmas Lights. Mr. Nygren has received an estimate of cost of \$3,000 for replacing/repairing the lights downtown and for lights and labor and material. There will be an additional cost of \$575 for renting a lift unless we can again use a lift from Chem-Tool. We will have to give them assistance if needed when they are asked to turn the lights off in February. Mr. Magnus would like to see the cords come off of the lamp posts. This will go before the full board tomorrow night. Mayor Adams stated that he thinks this originally started as a chamber thing.

WATER, SEWER & GARBAGE – MR. PETERSON

1. Variance Request-Sewer Hookup 11577 Old River Rd. Mr. Tim Stewart was representing the Spechts for this issue. Now that they are in the village they need to get a variance from the village to replace or repair their existing septic. The house is almost 1,000 feet back from the road. The sewer is right in front of the property. They need a 20' easement for sewer and a 10' easement for water which they would have to get from the neighboring property owner. The cost is over \$30,000 to extend sewer and \$18,500-\$19,000 approximately to redo the septic. The variance is requested, if allowed, after they do a perk test. Mr. McMullen feels that the well is going to be an issue in the next few years. The well is testing high in nitrates but still OK. Mr. Stewart feels it is possible to rebuild their septic system as their field lines are shot.

Mayor Adams stated there is no advantage in forcing them or encouraging them to hook onto the sewer. If they do not pass the perk test, they may have to contact us again. They have to get a variance from the health department to rebuild their septic system also. They can get the variance from the health department based on the hardship of the cost. Mr. Peterson and Mr. Magnus do not have a problem with them doing this. Since this is not on the board agenda, it will be added as a consensus.

2. Sludge Pump. Mr. Werrbach stated that the sludge pump is worn out. For \$4,590.93 we can patch it and for \$5,692.67 we can fix it right.

3. Running it this way will bring the amps up on the motor. Mr. Peterson feels that we need to fix it right. The rags, sand, etc. are part of the problem. It is felt that the rags are put in manholes, not flushed. We do have a number of bolted down manholes. This expense will be approved at the full board meeting.
4. Tree at Blackhawk and Main. Mr. Peterson stated that he did not get a price from Mr. Webster and will have to table this for now.
5. Sunrise Drainage Issues. Mr. Peterson stated that we have an estimate to fix this drainage issue for over \$12,000. Mr. McMullen did not feel televising would not show you anything new. Repair is minimum, but getting in there on the three properties and restoration is the big cost. It was the cable company, now a different owner, who caused the damage. He is not sure it is in the same spot as it was then. Mr. McMullen stated that it would be cheaper to provide them with yearly maintenance of the hole, putting dirt in and seeding it. You have to get easements and agreements from three property owners. He recommended putting some chips in there along with some concrete dust and some water and eventually it might seal itself and then place 6 inches of topsoil and seed it for them. We do not have the funds now and will try this solution and see what happens. It has not changed much since Spring. Mr. Magnus wondered why the village could not do this project ourselves since we have the backhoe and the dump trucks. It was decided to try the temporary fix for now.

Motion by Mr. Magnus, second by Mr. Peterson to adjourn to executive session based on what is on the agenda at 7:22 PM. All ayes. Motion carried 2-0.

Motion by Mr. Magnus, second by Mr. Peterson to reopen the public works committee meeting at 7:45PM. Present were: Mr. Magnus, Mr. Peterson, Atty. Cox, Mayor Adams, and Village Clerk Brenda Warren. Also present: Zachary Baker.

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Hearing no further business, motion by Mr. Magnus, second by Mr. Peterson to adjourn at 7:47 PM. All ayes. Motion carried 2-0.

Respectfully submitted,

Judy Rossi
Recording Secretary