

**MINUTES OF THE BOARD OF PUBLIC WORKS**  
**Tuesday, August 11, 2020**

The Regular Meeting of the Board of Public Works was held on August 11, 2020 at 7:30 a.m. in the City Council Chambers located at 405 Jefferson Street, Washington, Missouri. The following were present/absent:

**MEMBERS:**

Chairman	John Vietmeier	Present
Member	Brad Mitchell	Absent
Member	Mike Radetic	Present
Member	Steve Richardson	Present
Ex-officio Member	Steve Strubberg	Present
Ex-officio Member	Vacant	--

**OTHERS:**

Council Representative	Steve Sullentrup	Absent
Council Representative	Mark Wessels	Present
Mayor	Sandy Lucy	Absent
City Administrator	Daren Lamb	Present
Water/Wastewater Superintendent	Kevin Quaethem	Present
Water/Wastewater Secretary	Beverly Hoyt	Present
Public Works Director	John Nilges	Present
Assistant City Engineer	Andrea Lueken	Absent
Emergency Management Director	Mark Skornia	Absent
Fire Chief	Tim Frankenberg	Absent

**Originals and/or copies of agenda items of the meeting, including recorded votes are available on record in the office of the Public Works Department for one year. Video/DVD and audio tapes are kept only until the minutes have been approved for the meeting. DVD copies of this meeting are distributed to Board Members if requested.**

**Minutes**

A motion was made by Mr. Radetic and seconded by Mr. Richardson to approve the minutes from the regular July 14, 2020 meeting. The motion passed without dissent.

## Priority

No priority items.

All is good, we have not had many water breaks, we have had a few sewer issues. On our 2<sup>nd</sup> Street we are evaluating lines that can be slip lined. We are finding a few more issues than we thought we would, so we are fixing them as we go.

## Wastewater

We are slip lining six inch lines now, we have been televising them for about three weeks. The first week we found an inflow situation up at 2<sup>nd</sup> and Johnson, the old shoe factory. None of which was the new owners fault, it was just the way it was designed. Back when the shoe factory was built all the downspouts were tied into the building on a 10' line that flowed into our system. We never had a reason to go up there because there were never any issues with backups or anything to speak of, so we never really investigated. But now we are looking into the slip lining of 6" lines. We are working with the new owner and he is a very easy person to work with, he has removed all the down spouts and is disconnecting them all. He is actually going to use that 10" line as a sewer line for his new project which is great.

Parks has a new playground going in and a new piece of equipment that was placed over the top of a sewer lateral. No one knew the line was there and the map didn't show it there. We had a big rain event on Sunday and it created some backups off 2<sup>nd</sup> Street so when we started looking into it we found what we thought was a situation from the construction. We dug it all up and removed the piece of equipment. We were able to camera the line and found a big root wad. We have had a lot of rock in the line. During investigation we found two cavities at our manhole at 2<sup>nd</sup> and High. There were two pipes that were stubbed in there that were never plugged off. Once we found that we had to fix it, but we still hadn't found the real problem. Then we had our rain this past Sunday and the issue was still there. Did a little more investigating at 2<sup>nd</sup> Street and found a second line that has the bottom of the storm drain busted out and it sent a straight shot of storm water into our manhole. We floated yesterday and there is so much water coming into the manhole that it filled it up with water. Point being we found another heavy spot of inflow into the system that we never knew about and has been going on for years.

We have had this problem on Front St. for years. The rain we got yesterday was about 2" an as I watched the system our West End Lift Station got up to 5 feet and normally it would go to about 16 feet. The Walnut Lift Station got to 6.8 feet, nothing came out of the manholes. A lot less pumping and a lot less water coming in. Did a great job of finding the inflow, now the next step is to continue to televise, I'm sure we will find more in some areas than others. Then we will find infiltration in others which is the other part of I&I. With being able to slip line a 6" line has gotten us in the right direction.

The slip lining cost is the same cost as if we were slip lining an 8 inch. As far as fixing the problem we found, yesterday's problem was manpower for seven hours. The cost to fix the problem doesn't out weight the situation that we are finding and fixing downstream. The box culvert issues at 2<sup>nd</sup> and High was taking in essentially all the water coming down the street.

## **Water**

Water is good, we are having some chlorination issues. Chlorination is a very expensive project. When you have to add chlorination an it has to be analyzed and reports to do. So we are going through an equipment life span issue with all the analyzer. There is a certain part in that only lasts about three years. We are actually over that time. They should have been replaced years ago. We are looking at about \$2,500.00 for nine wells just replacing one part. It is operational, we have to do, it is not anything that we cannot do, but as we move on through this chlorination situation. I know it was just something people thought we wanted to do, but by no means did the City of Washington ever want to do this. We knew down the road it was going to be expensive so it is another cost added on to the water increase that we are doing. Hard to keep cutting as much as we cut to make it all work.

It was asked if there were any other cities our size in the state that aren't chlorinating their water. I don't want to say no to that or yes, it's hard to tell. What I can tell you is that the EPA and the Clean Drinking Water Act states that the only safe drinking water is disinfected water. So at some point in time if there are communities that are not, they will be chlorinating in time. Every community at some time will be disinfecting, in some nature to meet the stringent requirements of the EPA's Clean Drinking Water Act.

Salt could be used if you have a small system with less than 200 homes. There are different ways but to keep it at the residuals per regulations in the system, chlorination is really the only way. It's the only product out there we can use in our system.

The water rate is scheduled to be on the Councils agenda for Monday night. Council has had two briefings on the need for it, one with the history for where we stand with the lowest rate community size in the state. This would still keep us in the lowest five but we are catching up a bit. This generates an average water bill of \$51.00 and will go up to \$55.00, this is water sewer and trash. It is an increase of \$4.00 on water for low end users. Industries have about seven and a half to 7.8% increase on their water bills. We have met with the large users and there are no issues to my knowledge. This will generate about \$360,000.00 more a year. We need about \$215,000.00 a year just to get caught up. If we want to make more improvements, we would need to generate a little more than that.

One of the uses foreseen in the future we hope it would generate enough money to replace water lines as we go through paving streets. We are in the 2<sup>nd</sup> round of paving streets. We pave around every 12 to 15 years.

## **Old Business**

Cochran, WWTP is still under Public Review, we should be finalizing the Public Review this month, not exactly sure what date, somewhere around the 25<sup>th</sup>. Once final Public Review is over we will have final approval through the state. We are working with Cochran on the Industrial Users permits and will work through those and have them ready to go. Of course, it will still have to get through Council for any changes or ordinance approval. We are right at the end of the

tunnel. Within the next couple of months, we will have it completed and moving forward. Cochran has done a great job in helping us in all this and working with DNR.

**Meadow Lake Meter Swap**

The meter swap is all done. The water line extension, we are still waiting on permits from MoDOT to go under the highway.

The hang up right now is MoDOT has a six-foot utility corridor right off the right-of-way that on the Bluff so we have to get a variance from them. Last I heard MoDOT is only working 32 hours a week due to COVID, they are behind on everything. It is all laid out there is one easement from a Meadow Lake resident that I have already reached out to the individual. I see no issues there. We will head up Pottery Road about half way between 100 and Old Pottery Road then over to Kamp Schroeder Farm and right behind the cemetery, then tie in somewhere by Spring Valley Dr. just waiting on MoDOT to go under the highway.

Any other Discussions?

**Next Scheduled Meeting Date**

The next scheduled meeting date is September 8, 2020.

**Adjourn**

There being no further business the meeting adjourned on a motion by Mr. Richardson and seconded by Mr. Radetic. All in favor aye, those oppose. We are adjourned.

---

Prepared by:

Beverly Hoyt  
Beverly Hoyt  
Water/Wastewater Secretary

Adopted and Approved by the Board of Public Works:

Date:

Sept 8, 2020

Signature:

MFWA DDS  
Secretary