

**To:** Mayor Jacque and City Council Members  
**Cc:** Mick Michel, City Administrator  
**From:** John F. Wandsnider, PE – Public Works Director/City Engineer  
**Date:** January 11, 2024  
**Subject:** Public Works Report: December 10, 2023 – January 10, 2024

Things have been operating well, for the most part, in the Public Works Department.

### **New Public Works Employee**

The Public Works Department welcomed another new crewmember on January 8 – Terry Menke. Terry has many talents and skills, a great work-ethic, and a lot of enthusiasm. He will spend several months in each area – streets, water, and wastewater – over the next year to help him to become familiar with the many various tasks and responsibilities Public Works is involved in. We look for great things from Terry for years to come!

### **And then it snowed... and snowed... and snowed...**

It has been a fairly calm and uneventful winter leading up to the retirement of Streets Foreman, Mike Maahs. Ironically, ‘Mother Nature’ decided to ‘bless’ us with, not one..., not two,,, but three large snow events..., the week after he left!

Fortunately, we still have three veteran snow-storm responders with years of experience and excellent equipment operation skills, two new-to-Dyersville operators that are no strangers to snow removal, and a pool of four very experienced part-time operators to provide relief to our full-time staff. We are also blessed with a City Council/administration that has us well-equipped with good, reliable, and well-suited equipment, so we can take on whatever ‘she’ decides to throw at us.

Together with Chief Schroeder, I had declared a Snow Emergency for the 9” storm we had on Tuesday, and have another one declared for Friday’s predicted potential 11” storm. Last night’s forecasted “1 to 3”, appeared to be more like 5+ (We consider 6” to be a Snow Emergency). All told, we may see over 2 feet of snow... in four days’ time (welcome to public works, Tanner and Terry...)!

Declarations of Snow Emergencies have historically been tied to the National Weather Service’s declaration of a ‘Winter Storm Warning’ in our area (usually based on predictions of 6 or more inches of snow). The ability to declare a Snow Emergency has been very helpful, not only for much greater efficiency and effectiveness during heavier snowfall events, but also in providing fully cleared streets and parking areas after the storm is over.

### **Operation and Maintenance of Fleet, Highways, Streets, Alleys, Parks, Trails, Rivers, Creeks, etc.**

Public Works is doing an excellent job with the operations and maintenance of Dyersville’s streets system and equipment. Of the 500 tons of salt planned for, we estimate that we have used about 100 tons, to-date. Christmas decorations were taken down and put away for the season last week.

### **Operation and Maintenance of Drinking Water Delivery and Wastewater Disposal Systems**

The drinking water source, storage, treatment, and distribution systems are serving the city well. Please refer to the below report from water operations.

The wastewater collection, pumping, treatment, and disposal systems are also operating well. The WW report was not ready in time for this report – it will be included next month.

### **Status of Improvement Projects – ‘In-House Design’**

#### **Downtown Streetscape Rehabilitation (Added 4/23)**

A majority of the downtown streetscape will be 20 years old next year! We intend to perform the rehabilitation out of our operations budget, and phase it over about 5 years. The first phase of the project is the streetscape portion (behind the curb to the building line) of the 3<sup>rd</sup> and the 4<sup>th</sup> Street intersections and the block between them. All 6 limestone medallions will be reset, this time on concrete, and the cracked and deteriorating buff-colored handicap panels will be replaced with black powder-coated cast-iron panels. A small portion of the colored and stamped concrete will need to be replaced due to excessive cracking and settling. Work will be done this FY, possibly this fall, depending on contractor’s schedule.

#### **Hwy 52 Manhole Replacement at 2<sup>nd</sup> Avenue (Added 11/21)**

Due to the need for a detour across the 1<sup>st</sup> Avenue West bridge (under rehab construction), this will be done next year.

#### **Downtown Businesses Accessibility – (Added June, 2021)**

#### **Legacy Square – Stage (Added Spring 2021)**

**Programming of the system has been completed.**

### **Status of Improvement Projects – ‘Outside Design’**

#### **20 West Industrial Park, Phase III Rise Grant App. (Added August, 2022)**

Construction of the Contract C double-box-culvert is underway and will be completed soon. Contract D including roadway storm sewer, concrete paving, and lighting is planned for bidding in the spring of 2024 and construction in summer 2024.

#### **1<sup>st</sup> Avenue W. Bridge Over Bear Creek – Deck Overlay (Added May, 2022)**

Final payment is on the agenda.

#### **3rd Avenue SW Bridge (Added to list in February, 2022)**

Needs further evaluation

#### **Field of Dreams Stormwater Wetland and Mitigation (Added to list in April, 2020)**

Project substantially complete. Temporary erosion control seeding has been placed. Permanent bluegrass seeding has been completed both north and south of Beltline Rd. Native seeding was performed in late November 2022. A live streaming camera of the site is available for viewing at:

<https://video.nest.com/live/G4AGPm8tkR>

#### **Dyersville East Road Water and Sewer Extension 2020 (Added to list March, 2020)**

Contract B Water Main construction is complete. **Meeting has taken place with controls integrator for Contract C Water Pumping Station and a start-up will be scheduled in the near future.** Construction for Contract D Lift Station and Linear Sewer Onsite with Portzen Construction is nearing completion and the start-up has been conducted with Portzen Construction and Automatic Systems. Construction is complete on the Sanitary Sewer and Force Main (EDA Contract) with Tschiggfrie Excavating. Construction is complete on the original work under Contract E with Top Grade Excavating. The additional change order work to provide utilities to the existing FOD facilities is wrapping up.

#### **Heritage Trail Pavement Extension (Added to list January 2020)**

The engineer is submitting the final documents to the DOT.

#### **Bear Creek Restoration (SRF Sponsored Project)**

This project is complete. The video camera is still mounted near 3rd St. with a public video link for anyone to monitor. <https://www.senserasystems.com/public/embed/M78018326A93>

Respectfully submitted,

John F. Wandsnider, PE - Public Works Director / City Engineer

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# Memorandum

**To:** Mayor, City Council Members and City Administrator  
**From:** Terry Recker, Water Operator  
**Date:** January 5<sup>th</sup>, 2024  
**Subject:** **Water Operation December 2023 Report**

## **Water Pumped**

Total Water Pumped for Month	12,071,000 Gallons
Average Pumped per Day	389,000 Gallons
Maximum Daily Pumped	488,000 Gallons

## **Chlorine Testing**

Average Free Chlorine in the System –	2.24 mg/l
Average total Chlorine in the System -	2.20 mg/l

## **Polyphosphate**

Average Residual at Well #4&#5	0.69 mg/l
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## **Water Call Outs**

1 for the month  
Total for the year – 5

## **Water Main Breaks**

2 for the month  
Total for the year – 5

## **Water Activities**

50- Line Locates Completed  
15-Water Work Orders Completed

## **Operations and Maintenance**

Bacteria samples were taken, and the results were negative. The monthly operating report was completed and sent to the DNR. Preventative maintenance was completed at Well#4 and #5, including exercising water valves and doing well draw down at both wells. Daily rounds were completed for the month at both wells. Meter reading was also completed this month. In addition to the water main break on December 1<sup>st</sup>, there was another water main break on December 11<sup>th</sup> in the alley between 2<sup>nd</sup> Street and 1<sup>st</sup> Street NE. Krapfl Construction was able to repair it quickly the next day with little disruption of water service to the public. (Pictures below)

Water Operator,  
Terry Recker

