

To: Mayor Jacque and City Council Members
Cc: Mick Michel, City Administrator
From: John F. Wandsnider, PE – Public Works Director/City Engineer
Date: September 14, 2023
Subject: Public Works Report: August 16 – September 13, 2023

Things have been operating well, for the most part, over the last month or so in the Public Works Department.

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

The streets division has been busy with the usual late-summer activities. Street-sweeping is a continual effort. The pavement marking around town has been completed. We continued with the ‘Damaged, Diseased and Dying Tree Removal’ program. The final coat of micro-surfacing was placed on the alleys as well as the west side parking lot near the playground. Also, we are planning for crack-sealing later in September or early October. Streets personnel also continue installing and maintaining street-sign assets throughout town. We are starting to plan for putting away summer equipment and preparing for winter, but we have some time left yet (hopefully).

We continued our existing street pavement rehabilitation program with three projects. 11th Avenue SE from 6th Street to the western end was resurfaced with asphalt pavement. This is the final remaining street to be done in this area over the last 10 years or so. We also resurfaced the alley south of 1st Avenue west of 2nd Street SE. Lastly, the 5th Avenue NE resurfacing project, the one for which we received the grant from Dubuque County, was complete. See photos below:





Operation and Maintenance of Drinking Water and Wastewater Disposal Systems, and the Aquatic Center

The drinking water source, storage, treatment, and distribution systems are serving the city well. We have been working to maintain the system, including flushing fire hydrants and exercising water valves. Please refer to the below report from water operations.

The wastewater collection, pumping, treatment, and disposal systems are also operating well. We found that a utility company contractor had punctured a sewer line on 1st Avenue W. It took a bit of doing, but we have gotten the line repaired and are billing the utility company. The wastewater report was not yet available at the time of this writing. It will be included next month.

Status of Improvement Projects – ‘In-House Design’

Downtown Streetscape Rehabilitation (Added 4/23)

We intend to perform the rehabilitation out of our operations budget, and phase it over about 5 years. I will be meeting with a contractor next week concerning the first phase of the project – the 3rd and the 4th Street intersections of the streetscape portion (behind the curb to the building line). 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. **Received a quote for the work, planned for FY25.**

5th Avenue NE - Dyersville East Rd (Added 2/23)

Paving and striping work has been completed. Shoulder stone will be placed soon.

Wayfinding Signs Project (Added 12/22, though in-progress for years)

Waiting on the largest signs, expected next week.

Hwy 52 Manhole Replacement at 2nd Avenue (Added 11/21)

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

Downtown Businesses Accessibility – (Added June, 2021)

Working toward including recommendations into the sidewalk program.

Legacy Square – Stage (Added Spring 2021)

This project is nearly complete. Lights have yet to be installed. **Awaiting information and parts for stage lights. Hopefully will have this next week.**

Status of Improvement Projects – ‘Outside Design’

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

Contract A including sanitary sewer and water has been completed. Contract B that includes grading and erosion control is substantially complete. Contract C (RISE eligible) will include a double box culvert and is planned to be bid in August with 2023 construction. Contract D (also RISE eligible) including roadway storm sewer, concrete paving, and lighting will be bid this year and should be substantially complete by June 30, 2024. Origin will provide and administer construction admin and observation as required during construction.

1st Avenue W. Bridge Over Bear Creek (Added May, 2022)

Project is under construction. Completion is planned for the end of November. I am serving as the ‘Resident Construction Engineer’ on this project.

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

Awaiting 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)

Most of the linear projects are nearly finished. Work continues on the wastewater lift station and the water booster station. **The additional change order work to provide utilities to the existing FOD facilities is in front of the contractor to provide a price. This work will likely take place in November.**

Heritage Trail Pavement Extension (Added to list January 2020)

DOT audit and acceptance is complete, pending contractor uploading the rest of the certified payrolls. Once those are uploaded and reviewed, the semi-final payment will be submitted to the City for payment.

Bear Creek Restoration (SRF Sponsored Project)

Construction for this project is complete. The contractor will perform mowing and vegetation management in 2023 for maintenance on the wetland prairie. Typical prairie seeding takes 3 years to be fully established with intended growth of flowers and grasses. The project performed well to capture sediment without significant channel erosion in the 2023 spring flood. A video camera is 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: September 7th, 2023
Subject: **Water Operation August 2023 Report**

Water Pumped

Total Water Pumped for Month	12,729,000 Gallons
Average Pumped per Day	411,000 Gallons
Maximum Daily Pumped	511,000 Gallons

Chlorine Testing

Average Free Chlorine in the System –	1.39 mg/l
Average total Chlorine in the System -	1.47 mg/l

Polyphosphate

Average Residual at Well #4	1.28 mg/l
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Water Call Outs

0 for the month
Total for the year – 4

Water Main Breaks

0 for the month
Total for the year – 2

Water Activities

87- Line Locates Completed
28-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. I forgot to include in the July 2023 report that Joe and the summer helper Padrig repainted 97 hydrants on the southwest and north side of town. They started by power washing and wire brushing the hydrants to remove the dirt and loose paint to give it a clean surface for the paint to adhere to. Painting helps brighten up the sun faded hydrants and gives them a like new appearance.

Water Operator,
Terry Recker



Before



After