

**Public Works Department
Monthly Report
January 2023**

Engineering:

2021 Water Main Replacement Project:

Month Activity: All watermain is installed and operational. The remaining items include final cleanup and restoration which is scheduled for the spring.

Project Background: The project was designed by Engineering staff, the 2021 project is in three locations. The newly annexed neighborhood NW of Mound and Greenswitch, a small relocation of watermain on Rea's Bridge Rd near the bridge across lake Decatur, and in South Shores bounded by the streets Bay Shore, Point Bluff and Shoreline. The City received the IEPA permit in March and the project was advertised on March 17, 2021 with bids received on April 7, 2021. The project was awarded to Burdick Co as the lowest responsive bid on April 9, 2021. The start date was delayed due to the unexpected lead time on pipe, pipe is currently part of national material shortages. Burdick has completed the Rea's Bridge Area and Greenswitch Area. Work did not start in South Shores spring due to the delay in materials and after mid-November the cannot be restored with asphalt. Burdick has completed all watermain work.

Ellen and Division Inflow and Infiltration Reduction Project

Month Activity: No work was completed, the lining of the remaining services to be completed in the spring.

Project Background: The project was designed and advertised by Engineering staff and AECOM on January 5, 2022 with bids received on February 9, 2022. The project included the full rehabilitation by cured in place lining of the sanitary sewers and service laterals. The City

received three bids with National Water Main Cleaning Co. (NWMCC) providing the lowest responsive bid. The project was awarded to on February 22, 2022. NWMCC mobilized in April. Service lining wrapped up in December for the winter with a total of 319 of the approximant 500 services lined.

Lake Grove Club Retaining Wall

Month Activity: No work was completed, the fence, seeding and final cleanup will commence in the spring.

Project Background: The project was designed and advertised by Engineering staff and Clark Dietz Engineering on March 30, 2022 with bids received on April 20, 2022. The project replaces an existing railroad tie retaining wall that has reached the end of its useful life. The City received two bids with Clippers Lawn and Landscaping providing the lowest responsive bid. The project was awarded by City Council to Clippers on May 16, 2022. The City has received and approved the shop drawing for ordering of the material in late July and it is expected work to begin in August. Clippers mobilized in August and started the project by removing the existing wall. Clippers then notified the City that they will be permanently closing and not completing the work. A settlement with the bonding company was reached in September. The contract with Kinney Contractors was approved on October 3rd to complete the retaining wall with work starting in early November.

2022 State Motor Fuel Tax - Asphalt

Month Activity: The remaining work will commence in the spring.

Project Background: The project was designed and advertised by Engineering staff on July 27,

2022 with bids received on August 10, 2022. Dunn Company provided the lowest responsive bid, and the contract was awarded by City Council on August 15, 2022. The concrete and water service work is scheduled to start on September 6 with paving to commence on each street once complete. The paving of Wood St and Chestnut is complete with the remaining paving work shut down for the winter.

MUNICIPAL SERVICES MONTHLY DATA
January 2023

ASPHALT	QUANTITY	HOURS	OTHER INFO
Dura Patcher (spray)	0 patches	0	
Miscellaneous / Asphalt	0	0	
Pothole Patch / Repair	3,764	570	
Street Repair / Asphalt	0 sq yds	0	
CONCRETE	QUANTITY	HOURS	OTHER INFO
SS Utility Cuts / Curb & Gutter	0	0	
SS Utility Cuts / Driveway	21 sq yds	17	
SS Utility Cuts / Pavement	32 sq yds	44	
SS Utility Cuts / Sidewalk	72 sq ft	24	
Water Dept Cuts / Curb & Gutter	0 linear ft	0	
Water Dept Cuts / Driveway	13.30 sq yds	16	
Water Dept Cuts / Pavement	220.50 sq yds	262.50	
Water Dept Cuts / Sidewalk	270.10 sq ft	91.50	
DOWNTOWN PARKS	QUANTITY	HOURS	OTHER INFO
Downtown Maintenance		128	
Flowerbed Maintenance		10	
Fountain		0	
Mowing / Downtown Parks		38	
Special Events / Downtown Parks		0	
ELECTRICAL	QUANTITY	HOURS	OTHER INFO

Miscellaneous Electrical		4	
Service Calls / Other Departments		0	
Street Light Maintenance		53.50 Straight / 4 HC	
Traffic Signal Repair		181 Straight / 16.5 OT	
Warning Siren Maintenance		3 Straight / 3 HC	
FLEET	AVAILABILITY	BILLABLE HOURS	OTHER INFO
Fleet Tasks	97.76%	746.83	
FORESTRY	QUANTITY	HOURS	OTHER INFO
Miscellaneous		78 Straight / 5 HC	
Mowing City Lots		0	
Mowing City Property / ROW		0	
Mowing City Property / State ROW		0	
MSC Maintenance		28	
New Tree Care & Maintenance		0	
Pesticide Application		0	
Storm Damage Clean-up		5 Straight / 1 HC	
Stump Removal	25	96.5 Straight / 33.50 HC	
Tree Removal	725 (inch diameter)	298 Straight / 69 HC	
Tree Trimming	4	8 Straight / 3 HC	
Vegetation Removal	0	0	
PARKING	QUANTITY	HOURS	OTHER INFO
Mail Delivery		20	

Parking Lots/Garage Maintenance		74	
Parking Meter Collection		9	
Parking Meter Repair		6	
STREET MAINTENANCE	QUANTITY	HOURS	OTHER INFO
Alley Grading	0 linear ft	0	
Catch Basin / Pumped	83	56	
Storm Sewer / Repaired	1	68	
Culvert / Installed	0 linear ft	0	
Culvert / Jetted	330 linear ft	20	
Ditch Cleaning	200 linear ft	20	
Sanitary Back-up / Jetted	7,764 linear ft	46 Straight / 24 OT	
Sanitary Manholes / Pumped	3	12	
Sanitary Sewers / Cleaned	2,235 linear ft	12	
Sanitary Sewers / Jetted	33 linear ft	2 Straight	
Sanitary Sewers / Roots	7,079 linear ft	18	
Street Cleaning / 3 rd Shift	0 miles	0	
Street Cleaning / County Roads	0 miles	0	
Street Cleaning / Neighborhoods	44.8 miles	256	
Street Cleaning / Priorities	0 miles	0	
Sanitary Manholes / Repaired	11	20	
TRAFFIC	QUANTITY	HOURS	OTHER INFO
Decals Made	107	17	

Miscellaneous Traffic Control		38	
Signs / Installed	21	52	
Signs / Made	51	145.5	
Signs / Repaired	18	58	
Striping / Paint	0 feet	0	
Striping / Tape	0 feet	0	
Symbols / Paint	0	0	
Symbols / Thermoplastic	0	0	
Traffic Control (set up & removal)		2	
VIOLATION RESPONSE	QUANTITY	HOURS	OTHER INFO
72-hour / City Property		0	
72-hour / Clean-Up	91	304	
72-hour / Clean-Up Court Time		0	
Abatements (weed & brush)	1	3	
Home Secures	22	50	

**Water Production Division
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DeWitt County Wellfield Improvements: INTERA Inc. continued work on draft reports for wellfield performance, water quality and power supply options.

Lake Decatur Landscape Maintenance: The site at the intersection of M. L. King Jr. Dr. and Lake Shore Dr. is planned for a prescribed burn early this year. Sites for this year's tree and brush removal project will be evaluated.

Lake Decatur Water Level: Lake Decatur was maintained at an average level of 612.8 feet (87% full) which is normal for January.

Lake Decatur Watershed Management Plan: Staff and Northwater Consulting continued meeting with the USDA and partners on how the City's five year \$9.88M RCPP grant will be structured and administered. City Council authorized new farm leases for the City's wellfield and Oakley sediment basin farms. Work continued the 2020 \$150,000 IEPA Section 319 grant BMP projects and sub watershed planning. IEPA is extremely late in announcing if the City's 2021 Section 319 grant application will be funded. Northwater Consulting continued improving the watershed water quality monitoring network, plans and permits to construct several high priority Best Management Practices (BMPs), and work on the Sand Creek, Friends Creek, Wildcat Creek and Willow Branch sub watershed plans.

Oakley Sediment Basin Drainage Improvements: A prescribed burn of the basin is planned for early this year to remove enough vegetation so that a basic topographic survey can be completed.

South Water Treatment Plant East Clarifiers to Claricones Conversion: As of this month Plocher Construction has completed 66% of this project.

Vulcan Pit, Rhodes Landfill and Source Water Protection Plan: INTERA Inc. continued work on the Vulcan Pit new pipeline design. The draft Rhodes Landfill environmental review is being reviewed.

Water Production: Continued assisting with the South Water Treatment Plant claricone construction project and the design of the South Water Treatment Plant chemical feed systems and William Street Pump Station improvements projects. Analyzed water quality samples for Lake Decatur Watershed Management Plan monitoring. 569.49 million gallons of potable water were pumped into the water distribution system which was 2.74% less than January 2022.

Performance Outcomes:

1. Meet or exceed the federal and state drinking water standard for turbidity, chlorine and nitrate. All of these standards were met or exceeded this month.
2. Monitor safety on Lake Decatur by recording the number of boat accidents and boat operating under the influences (OUIs) on the lake annually. No accidents nor OUIs occurred in January.
3. Reduce the amount of sediment accumulating in the lake annually. Northwater Consulting will be providing the monitoring summary for this outcome.

January 2023

Water Services:

Staff repaired 2 water main failures, 32 water services, 4 system valves and 2 fire hydrants. Inspected 32 system valves, 1 fire hydrants and completed 1,093 Utility Billing service orders, 41 miscellaneous distribution system orders and replaced 40 water meters that were damaged due to the cold snap.

Staff also assisted with the 2021 Water Main Replacement Project testing and inspection.