

**Public Works Department  
Monthly Report  
May 2021**

**Engineering:**

**32<sup>nd</sup> and Fulton Storm Drainage Improvement Project:**

**Month Activity:** Luka completed all concrete work and restoration in May with guardrail, asphalt patching, and final restoration scheduled for June.

**Project Background:** The Project was design by Farnsworth Group. The project will provide a new storm sewer to serve the area generally bounded by Rt 36 to the North, 36<sup>th</sup> St to the East, Orchard to the South and Country Club Rd to the East to relieve flooding. The Project was the no. 3 priority on the Storm Water Master Plan. The Project was advertised for bid April 15<sup>th</sup> with bids received on May 6<sup>th</sup>. The City received two bids with Luka Company providing the low bid. The project was awarded to Luka Company on May 18<sup>th</sup> for \$1,379,690. All storm sewer is installed.

**2021 Water Main Replacement Project:**

**Month Activity:** The project was awarded to Burdick Co as the lowest responsive bid on April 9, 2021. Work has not started due to the unexpected lead time on pipe, pipe is currently part of national material shortages. Lead time for pipe is 8 to 12 weeks when historical lead time was 2 to 3 weeks.

**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.

**2021 Local Motor Fuel Tax Street Project:**

**Month Activity:** No work was completed in May, it is expected to continue with the remaining streets in the project in June.

**Project Background:** The project was designed and advertised by Engineering staff on January 27, 2021 with bids received on February 18, 2021. The project was approved on March 1, 2021 to Dunn Company as the lowest responsive bid. Dunn has completed Nelson and the 34<sup>th</sup> and Prairie Area.

**2021 State Motor Fuel Tax - Asphalt**

**Month Activity:** The project design is complete and has been approved by IDOT for bidding. The project is scheduled to advertise on June 2, 2021.

**2021 State Motor Fuel Tax – Concrete and Brick**

**Month Activity:** The project was designed by Engineering staff and advertised on May 12, 2021 with bids received on May 24, 2021. Kinney Co had the lowest responsive bid, the contract will be presented for approval on June 7, 2021. The project includes Concrete patching on Airport Rd north of Rt 36, MacArthur north of Ash, and 27<sup>th</sup> St North of Kile. It also includes repair of Main St between Oakland and Fairview.

**Country Club Road Reconstruction Project:**

**Month Activity:** The project is currently being design by designed by Engineering staff. The project will be complete reconstruction of the section of road between Airport Rd and William Street. The project has been provided for IDOT for review and approval.

### **Center Street Bridge Replacement:**

**Month Activity:** Sangamo removed the existing structure and build the low water level river crossing for construction on the new structure. The structure pile foundation is scheduled to continue in June.

**Project Background:** The design was completed by WHKS with bids received by IDOT on March 5, 2021. The bids were higher than the engineer's estimate and the City Council approved concurrence on April 5, 2021 to approve Sangamo's bid for \$1,595,148.92. IDOT awarded the Bid to Sangamo in April and the preconstruction was on April 28, 2021.

Construction started in May of 2021.

#### **MUNICIPAL SERVICES MONTHLY DATA 05/01/2021 – 05/27/2021**

<b>TASKS</b>	<b>QUANTITY</b>	<b>MANHOURS</b>	<b>OTHER INFO</b>
Sewers Cleaned	18,142 lin. foot	56 hours	
Catch Basin Repair	16 each	76 hours	
Sewers Root Cut	19,434 lin. foot	64 hours	
Street Sweeping	145.3 miles	258 hours	
Potholes Patched	869 each	166.5 hours	
Street Repairs (asphalt)	134.7 square yards	68.5 hours	
Dura Patcher	257 spray patches	230 hours	
Utility Cuts Pavement	280 square feet	235.5 hours	
CD Cleanups	44 each	N/A	
Home Secures	19 each	N/A	
Mowing	N/A	337.5 hours	

**Water Production Division  
Monthly Activity Report  
May 2021  
(updated information in bold text)**

**Lake Decatur Landscape Maintenance:** There was no activity this month.

**Lake Decatur Raw Water Intakes and Pump Station Study:** Crawford, Murphy & Tilly, Inc. completed this study in January.

**Lake Decatur Water Level:** Lake Decatur was maintained at an average elevation of 614.1 feet (99% full) which is on target for May.

**Lake Decatur Watershed Management Plan:** Northwater Consulting completed the Management Plan & Initiative Long Term Strategy and Lake Decatur Management & Policy Recommendations and presented them to the City Council. The water quality monitoring network was expanded, Lake Decatur Bluffs Subwatershed planning continued and supportive feedback was obtained from the USDA for this year's Regional Conservation Partnership Program (RCPP) grant application.

**Oakley Sediment Basin Management:** Clarkson Farm cultivated approximately 30 acres of the basin's interior and planted cereal rye in November 2020 for harvest in July 2021.

**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 this month.
3. Reduce the amount of sediment accumulating in the lake annually. Data for this outcome has not been obtained yet.

**South Water Treatment Plant East Clarifiers to Claricones Conversion:** Crawford, Murphy & Tilly has completed 99% of the engineering and construction bid specifications. This project is on hold pending the recommendations of the Water Utility Long Term Sustainability Plan.

**Water Production:** Continued analyzing water quality samples for the Lake Decatur Watershed Management Plan monitoring network. 583.8 million gallons of potable water were pumped into the water distribution system which was 5.72% more than May 2020.

## **May 2021**

**Water Services:** Staff repaired 3 water main failures, 21 water services, 2 system valves and 16 fire hydrants. Inspected 4 system valves and 14 fire hydrants and completed 1,041 Utility Billing orders and 27 miscellaneous distribution system orders. Crews flushed 166 fire hydrants located at the end of water mains primarily in residential areas to remove sediment and bring fresh treated water into the system pipes. The chlorine levels were also recorded for future monitoring.