

**Public Works Department
Monthly Activity Report
December 2019**

Engineering:

McKinley Avenue Sewer Rehabilitation: Chastain and Associates completed design and submitted the plans and specifications to IEPA for approval. The Loan Ordinance was approved on November 5, 2018 for \$7.9 million. A request for qualifications and proposals was advertised on February 13, 2019 to provide the City with construction engineering services. The City receive proposals from Crawford Murphy and Tilly (CMT) and Chastain and Associates. The City selected CMT as the most qualified firm and an engineering services contract was awarded on June 3, 2019. The construction project is advertised June 20, 2019 and bids were received on August 20, 2019. The City received six bids with the low bid received from SAK Construction for \$5,222,777. IEPA approved the bid and provided the City with the loan offer for \$5,911,143.31. The City also received \$886,671.50 of the loan amount will be forgiven. SAK received the Notice to Proceed on November 4, 2019. Lining has commenced, the work is estimated at 20% complete.

Mound Road Spring Creek West and Middle Deck Replacement: Mound Road bridges West (between Neely Ave and Educational Park) and Middle (between Moundford Ave and Camelot Dr) over Spring Creek was advertised through the State with bids received January 18, 2019. The project replaces both bridge decks with staged construction to allow for two-way traffic. The State received six bids with the lowest bid received from Sangamo Construction at approx. 2.5 million. The City will receive 2 million in Federal funding with the MFT Fund covering the remaining. All work is complete except final restoration and striping. The specification does not allow this work to be completed until the spring.

2019 Water Main Replacement Project: The project was designed by Engineering staff, the project is in the area bounded by Grand to the North (project will not include MacArthur High), Fairview to the East, King to the south and Taylor to the west. The project was advertised on January 30 with bids received on February 20. The resolution was awarded to Burdick Company as the lowest responsive bidder on March 4. The project was split into four phases with all phases complete with only final restoration remaining. The specification does not allow this work to be completed until the spring.

2019 Valve and Hydrant Replacement Project: The project was designed by Engineering staff; the project replaces existing or install new valves or hydrants at various locations within the distribution system. The project was advertised on January 30 with bids received on February 20. The resolution was awarded to Kinney Contractors as the lowest responsive bidder on March 4. The project is complete and staff is working on final project closeout.

2019 State and Local MFT Project: Engineering Staff designed the 2019 State and Local MFT projects.

The State portion of the project advertised in awarded to Dunn on May 20, 2019. The work will mainly include the reconstruction of South Shores Drive and asphalt patching on ML King Drive and Grand Ave., Dunn has completed all work.

The Local MFT project was advertised in May and awarded to Dunn as the lowest responsive bidder on June 17, 2019. The project is complete, and staff is working on final project closeout

32nd and Fulton Storm Drainage Improvement Project: The Project is in final design by Farnsworth Group. The project will provide a new storm sewer to serve the area generally bounded by Rt 36 to the North, 36th 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 is estimated to bid in late FY 2019 for a FY 2020 start.

2019 DPTS Bus Shelter Pad Project: Engineering Staff designed the 2019 Decatur Public Transit Project. The project was advertised on July 17 and bids were received on August 7, 2019. The bid came in higher than estimated and budgeted for by Decatur Transit. The project is estimated to rebid in early 2020.

2019 Manhole Rehabilitation Project: Engineering Staff designed the 2019 Manhole Rehabilitation Project. The project will rehabilitate existing brick structures that exceed 12' in depth. Bids were received on July 25, 2019 and awarded to Front Range Environmental as the lowest responsible bidder on August 5, 2019 . The project is complete, and staff is working on final project closeout

Main Street Bridge over Stevens Creek Repair: WHKS designed the repair of the Main Street Bridge over Stevens Creek. During routine bridge inspection piles for the abutment were found to be exposed with some have section loss. The project's design will rehabilitate the section loss and protect the remaining piles per IDOT standards. Bid were received on September 5, 2019 and awarded to Sangamo Construction as the lowest responsible bidder on September 16, 2019. All work is complete except final restoration. The specification does not allow this work to be completed until the spring.

MUNICIPAL SERVICES MONTHLY DATA 12/1/19 - 12/31/19

TASKS	QUANTITY	MANHOURS	OTHER INFO
Sewers Cleaned	1,902 lin. feet	15 hours	
Sewers Root Cut	1,283 lin. feet	23 hours	
Catch Basins Pumped	97 each	181 hours	
Catch Basins Repaired	4 each	35 hours	
72 Hour Cleanups	41 each	159.5 hours	
Home Secures	6 each	18 hours	
Street Sweeping	300.6 miles	645 hours	
Potholes Patched	723 each	111.5 hours	
Snow Fence Installed	2,300 lin. feet	53.8 hours	
Alley Grading	2,100 lin. feet	N/A	
Tree Trimming	60 each	N/A	

**Water Production Division
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Additional Water Supply Plan: INTERA completed the final draft plan in November.

Lake Decatur Dredging Basins 1 through 4: Dredging was completed in December 2018. 11,110,991 cubic yards of sediment was removed from the lake which was 103.5% of the contract amount, including over dredging. The project is now at substantial completion as landscape repairs to the land sites used during the project were completed this month. Great Lakes Dredge & Dock will complete sediment storage basin drainage improvements in mid 2020 to close out the project.

Lake Decatur Landscape Maintenance: A portion of this year's project is to establish native grasses and plants with the assistance of the Macon County Conservation District (MCCD) at an area adjacent to Lake Shore Drive at M.L. King Jr. Drive. Fall seeding was completed by the MCCD this month. Tree and brush removal on the south side of the William Street Bridge approaches was completed in November.

Lake Decatur Watershed Management Plan: Qualifications and proposals were received from 8 consulting firms in October that were evaluated by staff. The 4 firms that received the highest ratings were interviewed. Based on the interviews, 2 finalist firms were asked to submit additional information for consideration by staff. The recommendation of the firm best suited for the City for this project will be completed in early January.

Lake Services: Continued dredging project completion items, facilities and equipment maintenance and winter preparations. Removed dead trees and old dock posts. Installed rip rap on the Sangamon River bank downstream of the dam for erosion control. Assisted the department with snow and ice control operations.

South Water Treatment Plant East Clarifiers to Claricones Conversion: Crawford, Murphy & Tilly has completed 99.9% of the engineering and bid specifications. This project is on hold pending the recommendations of the Water Utility Long Term Sustainability Plan.

Water Administration: Continued dredging project completion items, Lake Decatur Watershed Management Plan proposal evaluations and Lake Decatur dam gates evaluation. Hosted Decatur Sustainable Water Resources Alliance meeting.

Water Production: The level of Lake Decatur was maintained at an average of 612.74 feet above mean sea level (83% full) which is on target for December. 534.31 million gallons of potable water were pumped to customers which was 3.93% less than December 2018. Continued Lake Decatur dam gates evaluation, SWTP SCADA Master Plan, training new staff and converting Lake Office interior lighting to LED. Began installing 3 new alum transfer pumps.

Water Services:

December 2019: Staff repaired 26 water services, 10 water main failures, 5 fire hydrants and 1 system valve. Inspected 21 system valves and 1 fire hydrant, and completed 1,249 utility billing orders and 48 distribution system orders. Staff assisted with the inspection of the 2019 Water Main Replacement Project.