



Director of Public Works Report

Activity highlights for the month of May 2021

Engineering:

Misc.

- 35 Permits/Applications for asphalt paving (4), driveway grades/concrete pour inspections (19), storm water (0), excavating (8), Street Privilege (0), storm connection (1), permit parking (2), banner (1)
- 207 Diggers Locates for Storm Sewer & Sanitary Sewer as of 5/23/2021 (1 Emergencies)
- Degradation fees – The new permitting requirements went live in late December of 2020. The permit webpage was updated with a new Right Of Way Permit Application and degradation fee calculator. This webpage can be viewed here <https://www.wirapids.org/permits.html>.
 - Total Fees to date - \$46,933.11
 - April Degradation Fees - \$16,508.30
- Flood modeling along the Wisconsin River near the roundabout and the DOT office building – GEI is preparing the flood plain zoning permit application.

Traffic

- Vision Triangle Complaints
 - 8th St S and Grove Ave – Eastbound left
 - 4th Ave N and W Grand Ave – Southbound left
- Stop Sign Requests
 - 4/20/2021 – 12th St and Chestnut St.
 - 3/11/2021 - Apricot St at 15th St or 16th St.
- Camera Installation
 - 4 intersections received new detection cameras: 8th St & Two Mile Ave, 8th St & Airport Ave, 8th St & Pepper Ave, E Jackson St & 3rd St. Installation occurred on May 10th and 11th. Cameras replace the last of the in-pavement detectors.
- ITS Standalone Signal Grant
 - The City was noticed via email on 2/1/21 that the \$534,600 grant was approved. Submitted a Standalone Signal Grant through the WI DOT the following intersections along the Expressway: Chase St, W Grand Ave, High St. Results are expected in November of 2020.
- Signal complaints
 - Modified vehicle detection at STH 54/Expressway to better accommodate gaps in vehicles approaching the intersection. Further modifications/tweaks will be made in late January. Monitoring is continuing.

Project Designs/Construction underway:

2021 Projects

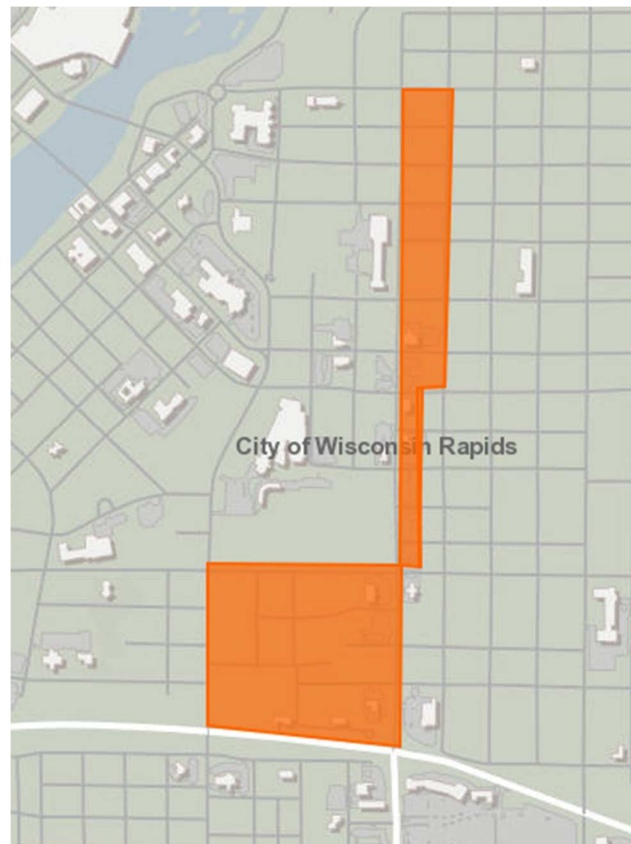
- RECC Rail Spur – CN approved the plans and final preparations are being made to execute the TEA Agreement and finalize bidding documents. Environmental Document has been signed. Design has been

modified and resubmitted to CN on 4/14/2021 (3/23/2021). Meetings were held with DOT, agreements documents and requirements for the TEA grant are being prepared, and follow-up occurred on review items with CN. Plans are at 99% complete.

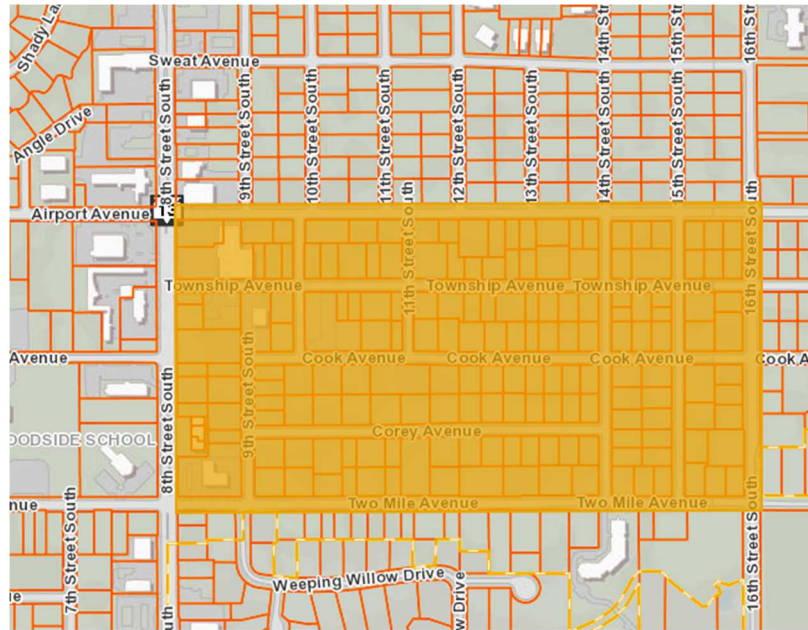
Maintenance Projects

- Concrete Joint Sealing – Interstate Sealant & Concrete, Inc will be performing joint sealing in 2021. Proposal amount is \$72,936.00. American Pavement Solutions and Fahrner also submitted proposals with less favorable pricing. Joint sealing work is on Plover Rd / STH 54.
- Sidewalk Concrete Cutting (Safe Step) – Inspections are complete and notices to impacted property owners were mailed on May 19th. Actual concrete work is expected to begin after the 20 day notice period. A proposal was received by SafeStep, LLC in the amount of \$22,000.
- Sidewalk and Curb & Gutter Maintenance – Joslin Concrete continues curb maintenance work. Joslin Concrete began the week of April 26th on curb maintenance in the area south of Airport Ave and east of 8th St S. Joslin Concrete’s proposal was for \$96,531.75.

2021 Sidewalk & Curb Maintenance Area – Primary Area (revised based on inspection)



Curb maintenance area beginning week of April 26th – preparation for chip sealing.



2021 Reconstruction Projects

- Quadplex project – sewer and water extension permit applications were submitted to DNR. ROW purchase is also being referred to F&P in May.
- 11th St (Washington St to Apricot St) – Construction to start 11/25/21. Walk thru occurred on 4/28/21. Design is 100%. Open House 2/23/2021.
- 15th St (Apricot to Norton St) – Concrete work is nearly complete. Topsoil and Seeding will be done on 5/25/21. Underground work is complete as of May 7th. Construction start on 3/30/21. Walk-thru occurred on 3/24/2021. Design is 99%. Open House 2/24/2021.
- 18th Ave (2021 Construction) – Preconstruction walk-thru occurred May 12th, 2021. Open House meeting was held on 3/31/21 - preliminary resolution letters were sent to residents in mid-May.
- Jefferson St (2021 Construction) – Road base was installed on May 20th. Curb & Gutter is expected to begin May 28th, 2021. Construction is began May 10th. Walk-thru is scheduled for April 13th at 10am. Design is 100% complete. Open House 2/25/2021. A CSM for the real estate purchase is complete and approved at the February Plan Commission and Council. Pepsi has signed the Quit Claim Deed and TLE. Real Estate purchase was approved by Council on 11/17/2020. 1/21/20, 1/23/20, 2/5/20 meeting with property owners to discuss project and concepts for termini.

2022 Reconstruction Projects

- Preliminary Construction Estimates are complete for 2022 projects.
- Preliminary surveys for 2022: 100% complete - Fremont St (13th Ave to 14th Ave), Fremont St from 7th Ave N to 10th Ave N, 100% - Apricot St retaining wall repair and underdrain installation, 0% complete – 9th Ave N (McKinley to Fremont), 0% for Smith St & Cherry St
- Fremont St – 13th to 14th Ave design is 75% complete.
- Fremont St – 7th to 10th Ave design is 30% complete.

- W Jackson St – Design work continues. Consideration for modifying the design to include concrete pavement to avoid contaminated soil removal will be proposed to the public works committee. The project webpage is <https://www.wirapids.org/wjackson.html>.

Storm Water Utility

- 8th St Culvert Replacement / Rehabilitation is approximately 85% complete. Final plan details are being prepared along with temporary and permanent easement documents.
- Annual MS4 Report was submitted on March 31st. This report was reviewed at the May Public Works meeting.
- Total Maximum Daily Load requirements are being reviewed and staff are putting together a recommended path forward.
- One Mile Cr. – MSA is preparing for some surveying / inspection work on the dams. They are coordinating a draw down with the DNR. Inspection is tentatively scheduled to begin June 1 and last for 4 days.

Streets, Buildings, and Grounds:

Refuse and Recycling

- Garbage and recycling totals were not available at the time of report preparation this month.

Construction

- *LHS Community Quadplex Project*
 - Continue project Fall of 2021
- *15th Street North (Norton Street – Apricot Street)*
 - Concrete work completed by others
 - Site restoration completed
 - Finish grading in process working on paving late week of the 24th or after Memorial day
- *Jefferson Street (25th Ave N – East Dead End)*
 - Installed 400' of 24" perforated storm pipe
 - Installed 2- Storm manholes, and 5 – storm catch basins and associated pipe work
 - Cut roadway down and installed 12" of new road base and prepared for Concrete work
- *11th Street North (Washington St – Apricot)*
 - Removed pavement, curb and gutter and black dirt from within construction limits
 - Installed water valves where needed to shut water off during Sanitary construction
- *Metalco Rail Spur*
 - Possible continuation of project in spring of 2021, waiting on design completion
- *18th Ave South (Russel Street – West Grand Ave)*
 - Continue project late June of 2021

Public works Maintenance

- Completed weeding and new mulch installation at Demitz Park, Veterans Park, Centralia Center, Splash Pad, Woodlands Business Park and the Aquatics Park
- Mowing the Street Right of Way and Parks on a weekly rotation. Currently mowing with 2 large mowers and 4 smaller mowers. Short a large mower due to COVID 19 backup on computer chips. Expected delivery was March 2021 now hoping to see it in June of 2021
- Weekly assistance of the Food Pantry and SWEPS for the food drop off at City garage
- Installation of Sun shades and working on getting the Aquatics and Splash pad up and running for June 1

- Planted replacement tree on East Grand Ave that didn't survive the winter. Also replaced four memorial trees on the West River bank that were killed by animals.
- Cleaned up Robinson park from winter months to prepare for rentals and sports activities
- Filled two of three pools, in the process of filling the third pool after installation of new jets in the lazy river action channel
- Completed 20 catch basin repairs
- Formed up and poured 28 curb and gutter sections on catch basin repairs and prepared for asphalt
- Black dirt restoration on Catch basin repairs
- Installed asphalt patches on 28 catch basin repairs, and 4 curb and gutter repairs
- Provided monthly brush pickup and spring yard waste collection
- Installed river dock on 1st Ave south and Goggins
- Saw Cut asphalt patches with the majority being for reconstruction projects along with catch basin repairs and curb and gutter maintenance by a contractor
- Seasonal employees are starting in the last few weeks of May, started string trimming weeds around poles and signs
- Assisted with preparation of the Zoo spraying weeds around fencing, cleaning pools and ponds
- Completed CPR training for 2/3 of Public Works staff
- Completed restoration of the building demo at the old Humane Society and the Cemetery expansion
- Worked with Wood County Highway to install Mastic on STH 34 and started on 8th Street south (city limits to Kuhn Ave)
- Cleaned up Triangle development from snow storage and removed concrete barriers

Paint and Signs

- Replaced seasonal banners in downtown area
- Installed the Hanging flower baskets in the downtown area
- Moved paint from City Garage to Sign Shop
- Replaced Street Markers throughout the City
- Assisted in setting up traffic control for contractor
- Removed and replaced signs associated with 15th Street and Jefferson Street construction project
- Replaced 24" stop signs with 30" throughout the City
- Assisted with training new employee on traffic control needs
- Repaired signs on 2nd Ave, 1st Street South and other locations hit by impaired drivers
- Cemented in new poles in various locations
- Maintained lawn and building around the Sign Shop and lift station
- Worked with Rapids sign to update the West and East Industrial park signs
- Installed Flags for Memorial Day

Wastewater:

- Operations staff has been sampling, testing, and monitoring the RAS fermentation pilot reactor. We have been seeing promising analytical results, and expect to see full-scale biological phosphorus accumulating organism (PAOs) growth in the coming weeks.
- Operations staff is currently performing a 40,000 hour overall to the dewatering fan presses. This includes removal of the press from the main drive shaft (500 lbs/press), replacing all seals, gaskets, filtrate screens, and wear components. This is an extensive, complicated overhaul and is typically farmed out to contractors.
- Maintenance staff along with Crane Engineering has evaluated the need to rehab and partially reconstruct the Daly Lift Station. Likely in late June Daly will have a new control panel, control instrumentation, pumps, piping, valves, and radio telemetry system. This will ensure years of maintenance free and efficient performance.

- The annual DNR Environmental Fees are now due. These are the fees the Utility pays the DNR for the concentrations of permitted parameters that are discharged to the Wisconsin River. Fees remain trending downward due to the process performance improvements realized over the past 2 -3 years.
- A local farmer hauled away approx. 25% of our dried Class A biosolids. Additional hauling will take place this summer.
- Collection system crews have been televising sanitary sewers, cutting and cleaning root areas, responding to sewer related calls, assisting plant staff with maintenance, and performing post-construction inspections for Public Works.
- Collections staff has also assisted Altman Construction Co. with the sanitary lateral connection to the new Starbucks Bld.
- Maintenance and Collections staff is finishing spring lift station cleaning. This work ensures properly functioning lift stations and helps operations at the WWTP.

Other DPW activities:

- Met with Wood County staff to discuss Avon Street and coordination needed if the County expands the jail.
- Attended APWA spring conference and presented one session. Sessions included:
 - Local update from League of Wisconsin Municipalities
 - Solid Rock – Pavement recycling options/practices
 - Wisconsin Rapids West Side Pump Station – APWA national project of the year
 - Women in Public Works
 - Need more pressure? Raise the water Tower.
 - Transportation Utilities – Trends and Observations. Panel discussion with the League, Ehlers, and raSmith
 - Project Review – Noth Webster Ave Reconstruction – City of Green Bay
 - Project Review – Goodrich Lane Ravines Regenerative Stormwater Conveyance
 - Project Review – Sheboygan City Hall Restoration Project
 - Wisconsin DOT update
- Attended New Generation Concrete presentation by the Wisconsin Concrete Paving Association
- Aquatic facility coordination/planning
- Visit wastewater plant Bio-P pilot project
- Prepare DNR grant correspondence
- Met with DPW supervisors – discuss leadership, projects, activities, etc.
- Met with City Attorney, reviewed Biron contract, billing, assisted in preparing communication, etc.