



City of Wisconsin Rapids
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Director of Public Works Report

Activity highlights for the month of April 2021

Engineering:

Misc.

- 18 Permits/Applications for asphalt paving (0), driveway grades/concrete pour inspections (1), storm water (0), excavating (14), Street Privilege (2), storm connection (1), permit parking (0), banner (0)
- 181 Diggers Locates for Storm Sewer & Sanitary Sewer as of 4/26/2021 (5 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 - \$26,295.55
 - April Degradation Fees - \$3,079.44
 - WWLC - \$3,079.44
- Flood modeling along the Wisconsin River near the roundabout and the DOT office building – GEI to wrap up modeling work in the next two weeks. Plan sheet preparations are expected to be done around the same time.

Traffic

- 4/20/2021 – Stop Sign request at 12th St and Chestnut St.
- 3/11/2021 - Stop Sign request received on Apricot St at 15th St or 16th St.
- Stop signs were installed in late December at Two Mile Ave and 16th St. Monitoring is continuing.
- Signal complaints/issues –
 - Several complaints came in about Pedestrian Crossing Timing Adjustment on 8th St S and Grove Ave – radar display and lights not flashing during specified times. Several attempts were made to diagnose the problem and reprogram the controllers. Appears to be working now.
 - 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

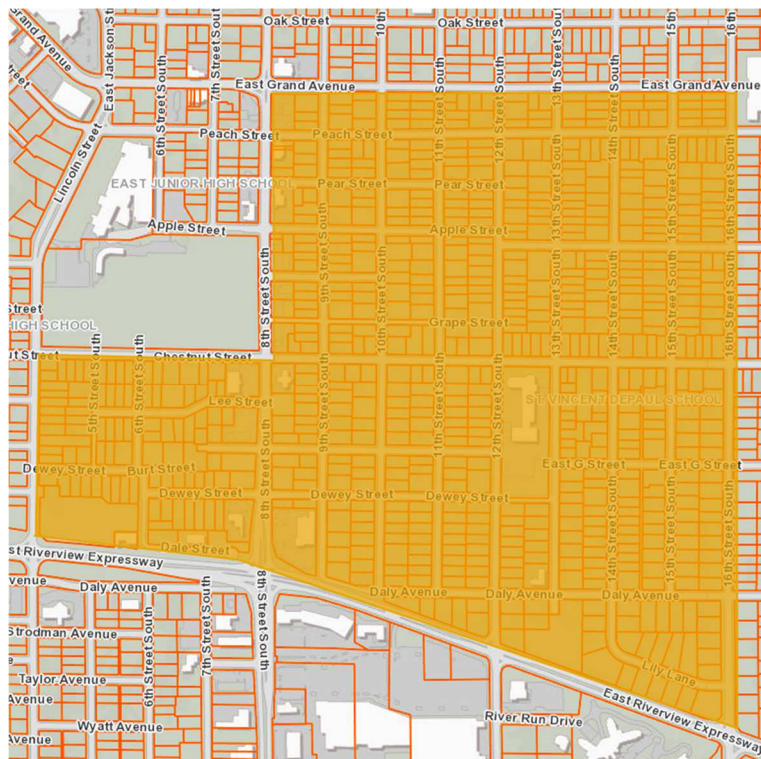
- RECC Rail Spur – Design has been modified and resubmitted to CN on 4/14/2021 (3/23/2021). Environmental Document comments were sent back from DOT and minor revisions will be made and resubmitted. Meetings were held with DOT, agreements documents and requirements for the TEA grant are being prepared, and follow-up occurred on review items with CN. Plans are at 99% complete. CN supplied comments to the plans in late October. Updates will occur to the final plan set and Engineering Dpt will prepare bidding documents. A Public Hearing was held on July 28th. Results are pending speed limit and obtaining clear vision for northbound traffic. Testimonies were submitted to OCR on June 19th. The City and CN are working with OCR on a schedule for testimonies and public

hearing. Matalco and CN are working on an operational plan. 90% plans are complete. A petition was sent to Office of the Commission of Railroads on 4/13/20. Conceptual plans are complete and are being reviewed by CN. Purchase Order sent to Ramboll on Nov. 1

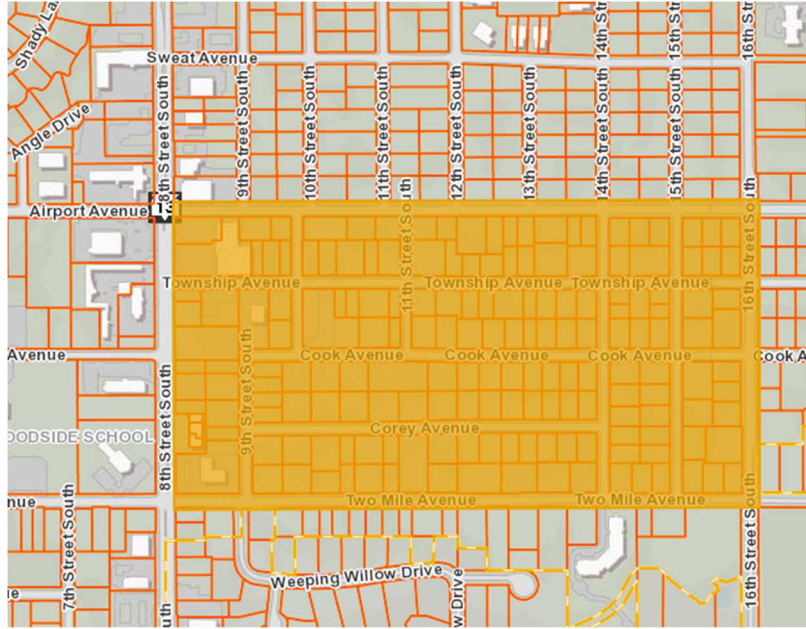
Maintenance Projects

- Concrete Joint Sealing – Interstate Sealant & Concrete, Inc will be performing joint sealing in 2021. Joint sealing work is on Plover Rd / STH 54.
- Sidewalk Concrete Cutting (Safe Step) – Inspections are nearly complete and notices will be mailed to impacted property owners in May. Actual concrete work is expected to begin after the 20 day notice period.
- Sidewalk and Curb & Gutter Maintenance – Joslin Concrete is expected to begin the week of April 26th on curb maintenance in the area south of Airport Ave and east of 8th St S.

2021 Sidewalk & Curb Maintenance Area – Primary Area



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



2021 and Future Designs for 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. 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
- 11th St (Washington St to Apricot St) – Walk thru scheduled 4/28/21. Design is 100%. Open House 2/23/2021.
- 15th St (Apricot to Norton St) – Underground work is expected to be complete May 7th. Construction start on 3/30/21.
- 18th Ave (2021 Construction) – Design is 99%. Preconstruction walk-thru is scheduled for the second week of May. Open House meeting was held on 3/31/21 - preliminary resolution letters were sent to residents in mid-May.
- Jefferson St (2021 Construction) – Construction is expected to begin May 10th. Walk-thru took place April 13th.
- W Jackson St – Transportation Project Plat was signed and recorded on 4/22/21. A real estate kick-off meeting is scheduled for the week of April 26th.

Storm Water Utility

- Annual MS4 Report was submitted on March 31st. This report was referred to Public Works for the May meeting for review.
- Total Maximum Daily Load requirements are being reviewed and staff are putting together a recommended path forward.

- 2020 Storm Utility Billing Updates are finalized and sent to WWLC.
- One Mile Cr. – Inquiry was made to MSA in early April regarding the start of design work. No updates from MSA have been received.

Streets, Buildings, and Grounds:

Retirement of three veteran employee's

- Terry Ende started employment with the city 4/19/93 has had various positions within the Street Department, retired 4/26/21 as a loader operator on the construction crew
- John Schuerman started employment within the city on 5/11/98 has had many positions within the Street Department, is retiring June 11, 2021 as our Construction Group Leader
- Bruce Schoff started employment within the city on 4/3/1989 has had different positions within the Street Department, is retiring May 28, 2021 as a member of our Sign Shop doing sign repair and pavement marking.
- Matt Heideman started with the city on June 25, 2008 as the Parks and Building Supervisor his retirement date is scheduled to be May 3, 2021

Refuse and Recycling

- Garbage Collection estimated 421.77 tons (2020 452.25 tons)
- Recycling Collection estimated 106.25 tons (2020 128.94 tons)

Construction

- LHS Community Quadplex Project
 - Continue project Fall of 2021
- 15th Street North (Norton Street – Apricot Street)
 - Intersection of Apricot and 15th is complete and graveled, Graveled 300' of 15th Street
 - Installed 18 Storm Catch basins, 4 Storm Manholes, 48' of 36" Concrete Pipe, 240' of 18" Storm Main
 - Installed 700' of 8" Sanitary main, 15 Sanitary Services, and 7 Sanitary Manholes
 - Installed 800' of 6" Water main and 3 Fire Hydrants
 - Project is on pace to be ready for curb and gutter by the week of May 10th
- 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 June of 2021

Public Works Maintenance

- Provided support staff to complete carpet repairs in City Hall
- Provided support staff to move books and shelving units at the Library
- Garbage collection completed by Wood County jail inmates on work release
- Swept, blew off islands in downtown area and highways removing road debris from snow melt
- Completed OSHA 10 training
- Completed FISTA (chainsaw training)
- Assisted with setup for spring election process
- Completed various winter projects at the zoo
- Added road base to holes in gravel alleys, further maintenance will occur when frost is out
- Assisted with 4 additional food drives at city garage
- Removed Graffiti from various spots within the City
- Spring cleanup at Zoo and other green areas

- Initial shaping and grading at Mead, Sandlot and Robinson Park ball fields
- Cleaned park bathrooms and stocked with supplies
- Prepared Compost site and buildings for spring open. Sites are fully open as of April 14, 2021
- Screened Compost at Westside compost site
- Took delivery of remainder of 2021 Salt supply, will start 2021/2022 season with a full salt shed
- Completed concrete repair for WWLC watermain break at 8th and Airport
- Completed multiple catch basin repairs south of Airport Ave in the proposed chipseal area
- Prepared the trail damaged by 2018 flood waters for paving in Legion park
- Completed city wide brush pickup
- Completed city wide yard waste pickup May 3
- Completed Spring rail inspection and simple maintenance at East Commerce rail
- Worked with Wood County Highway to install Mastic Patch over STH 34 from Grand Ave – City limits, also working on STH 54 and 8th Street from the City Limits north to Two mile Ave
- Started to mow green spaces throughout the city
- Found 13 Goose nests and oiled eggs in accordance with DNR permit

Paint and Signs

- Received training on new walk behind painting machine and transfer pump
- Painted lines within the city garage
- Trained new employee on painting and sign making
- Finished off season equipment maintenance
- Replaced signs damaged during snow events
- Installed the Pedestrian crossing signs in school zones
- Hung flower baskets in downtown area
- Replaced pedestrian crossing sign in hospital area
- Removed out of date No Truck signs
- Replaced out of spec Stop signs throughout the city
- Replaced Street marker signs within the city
- Removed signs and poles from 15th Street Construction project
- Installed new Stop sign at Centralia Center Lot
- Setup signage for the opening of the east and west compost sites

Shop and Repairs

- Prepared lawnmowers for 2021 season
- Removed wing from main grader
- Removed wings and mounts from four main loaders
- Removed wings, mounts, sanders and underbodies from two single axle trucks, and 4 tandems
- Installed water tank in tandem for construction season
- Completed construction of support brackets for picnic tables at Witter Field Aquatics
- Completed support for Zoo construction projects
- Constructed 3 and repaired 2 dumpsters for Waste water treatment plant
- Completed construction of a new saw trailer
- Completed multiple truck services
- Painted projects that were completed for the zoo

Wastewater:

- Spring flows have remained typical and have posed no threats to overall treatment. The process remains strong and all discharge permit parameters are near single digits.
- The full scale RAS fermentation pilot study is underway. 300 GPM of return activated sludge (RAS) is being pumped into an unused aeration basin without air addition. This should create an anaerobic bacteria selector zone promoting “Polyhydroxyalkanoate” (PHA) release and subsequent growth of phosphorus accumulating organisms (PAOs) growth. This should create more robust/diversified biological ecology and cut phosphorus removal chemical costs by 90%+.
- Plant staff was able to relocate the online orthophosphate analyzer to the effluent channel. Staff then tied this system into our phosphorus removal chemical pumps to create a fully automated chemical removal system, based on real-time analytical results. This will greatly improve phosphorus removal efficiency, and streamline future permit compliance.
- Septage and holding tank waste receiving is on the rise. Warmer temperatures mean more maintenance and servicing of POWTS. This helps boost plant revenues and provides helpful nutrients to our biological system.
- A local farmer will be hauling the majority of the Class A fertilizer on hand in the beginning of May. Anyone looking to get some of the fertilizer is encouraged to stop by soon!
- Collection system crews have been televising sanitary sewers, cutting and cleaning root areas, responding to sewer related calls, and assisting plant staff with maintenance.
- In April the Whitrock Lift Station control panel was replaced (electrical components, motor starters, controllers, breakers, relays, fuses, drives, transducers). The existing panel was over 25 years old, and the replacement was needed to ensure reliability and efficiency.

Other DPW activities:

- Met with ATC to discuss east side tree trimming
- Discuss pool commissioning/decommissioning procedures, prepare warranty list of repairs for pool and park
- Research permit parking lot use in the City’s E-2 and E-3 parking lots
- DWD research in collaboration with the HR department relating to summer help and pool staff
- Develop presentation for upcoming APWA conference (Wastewater)
- Review, research, and audit wastewater contracts, discuss Biron contract.
- Review parks planning public survey
- Fireworks planning
- Meet with Wood County staff/officials relating to their jail study
- Visit construction projects, meet with staff to discuss material selection options for upcoming projects
- Continue working on CIP development
- Follow up on aquatic park damage – suspect has been convicted and ordered to pay full restitution.