



City of Wisconsin Rapids
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Director of Public Works Report

Activity highlights for the month of September 2021

Engineering:

Misc.

- 22 Permits/Applications for asphalt paving (1), driveway grades/concrete pour inspections (12), storm water (0), excavating (6), Street Privilege (1), storm connection (0), permit parking (2), banner (0)
- 176 Diggers Locates for Storm Sewer & Sanitary Sewer as of 9/29/2021 (1 Emergency)
- Degradation fees –
 - September degradation fees = \$0
 - Total 2021 Degradation Fees = \$57,271.23
- The DNR has largely been unresponsive to the requests to review the Flood Mitigation project. Staff has reached out consistently to DNR representatives and hope to get confirmation soon. The City's permit is otherwise ready to be issued and work may still proceed this fall if the weather cooperates.

Traffic

- Vision Triangle Complaints
 - 4th Ave N and W Grand Ave – Southbound left – review is ongoing
- Stop Sign Requests – review is ongoing
 - 4/20/2021 – 12th St and Chestnut St. Traffic counts are complete.
 - 3/11/2021 - Apricot St at 15th St or 16th St. Traffic counts are complete.
 - Washington St and 10th St stop sign request July 2021
 - 9/28/2021 Review of existing stop sign at Lavigne St and 3rd St N
- ITS Standalone Signal Grant
 - City received a State / Municipal Agreement on 8/30/2021. The agreement is in the process of being signed. Following this, city staff will solicit proposals from consultants and bring those before the Public Works Committee.
- Signal complaints
 - Expressway & Wilson St – cameras faulted and required a reset.
 - Washington St & STH 54 vehicle detection issues - investigated with no issues found.
 - 8th St and Expressway EB left turn lane detection issues – investigated with no issues found.
 - 8th St sign bridge at Chestnut St fell and needs replacing – working with vendor on new sign and base.

Project Designs/Construction underway:

2021 Projects

- RECC Rail Spur – Bid opening is scheduled for October 5th. Construction to begin as soon as possible thereafter.

Maintenance Projects

- Sidewalk and Curb & Gutter Maintenance – Curb repair and sidewalk grinding is significantly complete. Joslin is expected to begin sidewalk work, but how much progress will be made at this point late in the season is

unknown.

2021 Reconstruction Projects

- Quadplex project – We have reached out to the new owners along Grove Ave and are working with them to secure the necessary right-of-way.
- 11th St (Washington St to Apricot St) – Project is complete.
- 15th St (Apricot to Norton St) – Project is complete.
- 18th Ave (2021 Construction) – Crews are currently working south of Chase St. on underground utilities. Curb & gutter and topsoil is in between Essex and W Grand Ave. We are scheduling to both concrete and asphalt paving activities within the next two weeks. Jefferson St (2021 Construction) – Project is complete.

2022 Reconstruction Projects

- Preliminary Construction Estimates have been updated for 2022 projects.
- Preliminary survey status for 2022 Projects:
 - Fremont St (13th Ave to 14th Ave) – 100%
 - Fremont St from 7th Ave N to 10th Ave N – 100%
 - Apricot St retaining wall repair and underdrain installation – 100%
 - 9th Ave N (8th Ave N to Fremont) – 100%
 - Broadway St – 100%
 - Smith St & Cherry St – 10% (Scheduled for October)
 - Oak St – E Jackson St to 16th St – 0% (Scheduled for October)
- Design for 2022 Projects
 - Fremont St – 13th to 14th Ave design - 95% complete
 - W Jackson St – Expressway to Jackson St Bridge – 95% complete
 - Fremont St – 7th to 10th Ave design is 75% complete
 - Apricot St and Broadway St – 50% complete
 - 9th Ave N (8th Ave N to Fremont St) – 50%
 - Smith & Cherry St – 0%
- W Jackson St – The DOT and City are going through 90% review comments.

Storm Water Utility

- 8th St Culvert Replacement / Rehabilitation is complete.
- One Mile Cr. – City is working on completing the application for the dredging component of the project which could occur in winter. MSA is expecting to have final plans for the dam removal and dam rehabilitation complete in September or early October. This work is anticipated for spring of 2022 assuming the DNR has issued permits.

Streets, Buildings, and Grounds:

Note: Due to staff illness, the list of accomplishments is not complete

- Finished up winterizing the Aquatic Center
- Started pruning all the landscape areas
- Installed 4 memorial benches

- Started to blow out sprinkler system
- Closed down the City Zoo and started the fall clean up and winterization
- Assisted with adding 9 additional disc golf pads at Robinson Park
- Continuous grass and tree maintenance in the city parks and ROW's
- Winterized the splash pad's at Mead and the Aquatic Center
- Repaired 7 catch basins on Hwy 34 from Wilson St. to overpass. Repairs resulted in approx. 105' of curb and gutter replacement, and site restoration.
- Repaired 3 catch basins on Hwy 34 from W. Grand Ave. to High St. Repairs resulted in approx. 50' of curb and gutter replacement, and site restoration.
- Repair 1 catch basin at 1st St. S./Airport Ave.
- Repair 5 manholes in 2020 chip seal area. (Two Mile Ave between 1st St. S./2nd St. S. and Airport Ave./4th St.)
- Repair 4 manholes in 2021 chip seal area. (10th/Township, 18th/Township, 15th/Cook)
- Repair 1 other manhole (1st St. N/Riverview Drive)
- Perform monthly Brush pick up
- Finished grading railroad spur in preparation for rail installation
- Site restoration at Jefferson, Legion park, 11th St. S, and Woods Grove park is complete
- Set up traffic control for Hwy 54/Cty W contractor concrete replacement along with several locations on 8th St. S, and Riverview Expressway.
- Started site restoration on 18th Ave project along with rough grading.
- Hand patch in front of catch basin repairs and perform hand patch repairs for 2022 chip seal area.
- Performed a number of large paver patches (Garfield/Sherman St, East G/Lincoln, 16th St. N/Monroe, and Dewey St./8th St.)
- Construction crew is continuing on 18th Ave project from Chase St. to Clark St.
- Painted centerline, lane dividers, crosswalks behind chip seal operation
- Painted double yellow on streets
- Painted bike lane on Baker St 7th to 5th
- Fixed and straightened numerous signs throughout city.
- Changed downtown street banners and overhead highway banners
- Made signs for traffic control inventory
- Took down downtown flowers
- Paint machine maintenance
- Sign shop building/yard maintenance

Wastewater:

- In September maintenance and Collections System staff worked on cleaning lift stations for the fall period. This is a large task, but ensures proper operation of the pumps and control equipment. Efforts are made to perform full scale station cleaning quarterly.
- The pilot study on RAS fermentation is currently producing excellent results. Once it was decided to begin bleeding in carbon for pHA and PAO growth, the effluent total phosphorus concentrations have remained below 0.4 mg/l. Poly aluminum chloride (used to reduce effluent phosphorous and improve clarifier settling) has not been added since July. A significant chemical savings, as well as

good news for the impending lower permit level. It is intend to continue the pilot into November weather permitting.

- The new covered biosolids storage building will be completed in early October. Manufacturing and shipping delays have extended this project, but we expect start using this facility in late fall/winter.
- All effluent parameters remained at or below single digits in September, well under DNR limits which signifies excellent plant performance.
- Collections staff has performed manhole inspections on a large portion of the West Side sanitary interceptor. This effort has been made a priority due to the infrastructure age and I/I issues experienced there. So far, there are 8 manholes that will be rehabbed this fall. This will improve I/I and ensure longevity of that interceptor. That interceptor serves nearly the entire northeastern portion of the west side of the City.
- With the assistance of the Engineering dept. quoted will be procured to perform a significant amount of main line sewer rehabilitation. This will revitalize some of the worst condition pipes, and ensure proper function for many years to come.
- Exceptional Quality Class A biosolids are available for local residents and companies to come and take for their use as state certified commercial fertilizer!

Other PWD activities:

- Local Road Improvement grant preparation and organizational meeting
- Continue to meet with Wood County regarding utilities and coordination for the jail project
- TUF ordinance work
- Capital improvement plan work
- Meet with YMCA to discuss strategic planning
- Presented TUF to morning rotary
- Prepared presentation for wastewater commission regarding Biron agreement
- Met with City/Consulting attorney regarding Biron agreement