



**City of Wisconsin Rapids**  
 Joseph M. Terry, P.E.  
 Director of Public Works  
 444 West Grand Avenue  
 Wisconsin Rapids, WI 54495-2780  
 Phone (715) 421-8255 FAX (715) 421-8291

## **Director of Public Works Report**

### **Activity highlights for the month of June 2021**

#### **Engineering:**

##### ***Misc.***

- 20 Permits/Applications for asphalt paving (1), driveway grades/concrete pour inspections (6), storm water (0), excavating (10), Street Privilege (0), storm connection (0), permit parking (1), banner (2)
- 167 Diggers Locates for Storm Sewer & Sanitary Sewer as of 6/29/2021 (3 Emergencies)
- Degradation fees –
  - June Degradation Fees - \$2,502.06
  - Total fees year to date: \$49,435.17
- Flood modeling along the Wisconsin River near the roundabout and the DOT office building – GEI has completed the modeling report and a flood plain zoning permit application has been submitted. Plans are complete. The DOA and City crews are reviewing the final plans. A DNR permit application is being applied for in July. Construction is expected to occur in late summer / fall of 2021.

##### ***Traffic***

- Vision Triangle Complaints
  - 8<sup>th</sup> St S and Grove Ave – Eastbound left – This has been inspected on several occasions over the past month and no vehicles have been parked in the vision triangle.
  - 4<sup>th</sup> Ave N and W Grand Ave – Southbound left – review is ongoing
- Stop Sign Requests – review is ongoing
  - 4/20/2021 – 12<sup>th</sup> St and Chestnut St.
  - 3/11/2021 - Apricot St at 15<sup>th</sup> St or 16<sup>th</sup> St.
- 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. Design work is intended to take place late in 2021 with installation in 2022.
  - 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 – The City has begun force account work preparing subgrade and sub-ballast for the rail contractor. Engineering will complete the bidding documents the last week of June which will then be sent to the DOT for their final review. We anticipate having bids available at the August Public Works Committee meeting. Contract work would proceed shortly thereafter.

### Maintenance Projects

- Concrete Joint Sealing – Joint Sealing work is expected to begin July 6<sup>th</sup> and will take approximately one week.
- Sidewalk Concrete Cutting (Safe Step) – Work is complete.
- Sidewalk and Curb & Gutter Maintenance – Joslin Concrete continues curb maintenance work. Concrete curb work will be complete by the second week of July. Sidewalk work will commence thereafter.

### 2021 Reconstruction Projects

- Quadplex project – sewer and water extension permit were received from the DNR in June. Real Estate is still being secured on Grove Ave. Property owners have changed so we are waiting until closing to make contact with the new owners.
- 11<sup>th</sup> St (Washington St to Apricot St) – Underground work was completed the week of June 14<sup>th</sup>. Curb and gutter to be installed the week of June 29<sup>th</sup>.
- 15<sup>th</sup> St (Apricot to Norton St) – Project is complete.
- 18<sup>th</sup> Ave (2021 Construction) – Proposed start date is as early as July 6<sup>th</sup>
- Jefferson St (2021 Construction) – Paving occurred on 6/18 and 6/19

### 2022 Reconstruction Projects

- Preliminary Construction Estimates are being updated for 2022 projects.
- Preliminary surveys for 2022: 100% complete - Fremont St (13<sup>th</sup> Ave to 14<sup>th</sup> Ave), Fremont St from 7<sup>th</sup> Ave N to 10<sup>th</sup> Ave N, 100% - Apricot St retaining wall repair and underdrain installation, 0% complete – 9<sup>th</sup> Ave N (McKinley to Fremont), 0% for Smith St & Cherry St
- Fremont St – 13<sup>th</sup> to 14<sup>th</sup> Ave design is 90% complete.
- Fremont St – 7<sup>th</sup> to 10<sup>th</sup> Ave design is 30% complete.
- W Jackson St – A second Public Information Meeting is being scheduled in July

### ***Storm Water Utility***

- 8<sup>th</sup> St Culvert Replacement / Rehabilitation design is complete. The bid opening will occur on June 30<sup>th</sup>. The City has pre-ordered pipe materials as they are expected to take 4-6 weeks to receive. This would put construction in mid-August. Easement documents are being signed the week of June 28<sup>th</sup>.
- One Mile Cr. – MSA completed final surveying / inspection work on the dams in mid-June.

### **Streets, Buildings, and Grounds:**

#### ***Refuse and Recycling***

- Garbage Collection estimated 513.99 tons (2020 472.03 tons)
- Recycling Collection estimated 105.68 tons (2020 119.03 tons)

#### ***Construction***

- *LHS Community Quadplex Project*
  - Continue project Fall of 2021
- *15<sup>th</sup> Street North (Norton Street – Apricot Street)*
  - *Project Complete*

- *Jefferson Street (25<sup>th</sup> Ave N – East Dead End)*
  - *Backfilled curb and gutter after it was poured*
  - *Shaped existing driveways for asphalt pavement, maintaining access for property owners*
  - *Shaped gravel for asphalt*
  - *Project restoration will be completed in fall of 2021 for successful grass growth*
- *11<sup>th</sup> Street North ( Washington St – Apricot)*
  - Installed 600' of 12" Sanitary and one new sanitary manholes
  - Installed 600' of 12" Watermain and two new hydrants
  - Subgrade roadway and hauled in road base
  - Waiting for curb to be installed
- *Matalco Rail Spur*
  - Stripped topsoil from proposed site
  - Cut subgrade and stockpiled sand cut over 2400' rail expansion
  - Hauled out and placed +/- 3,000 cubic yards of Road Base in and +/- 3,000 cubic yards of sand and topsoil out
  - Installed 2- 36' steel casing culverts
  - Installed 3- 60' Class V Concrete utility sleeves
  - Installed 48' of Class V Concrete culvert
  - Project will be ready for track installers
- *18<sup>th</sup> Ave South (Russel Street – West Grand Ave)*
  - Project expected to start July 6, 2021

### **Public works Maintenance**

- String trimmed grass and weeds along highways
- 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. Was able to take one week of from mowing weekly due to high temps
- Maintained trees that were planted in 2020 with watering thru high temperatures
- Completed pool filling and got everything operational for pool opening
- Maintain zoo operations
- Worked with USDA and completed a goose round up and removed 90 geese from the Parks along the river
- Maintained ball diamonds adding ball diamond mix to low spots
- Removed stumps from street right-of-way
- Stump grinding restoration/topsoil work
- Cold patch city streets
- Pulled weeds in multiple landscape areas multiple times
- Dugout 7-manhole's using the Mr. Manhole cutter
- Started to spray cracks and radiuses on roadways that are part of the sealcoating program
- Completed site restoration on curb and gutter repairs and sidewalk maintenance projects
- Provided traffic control for Cranberry Blossom Festival
- Dug out and installed small had patches with asphalt
- Worked with Wood County to install paver patches on Sanitary repairs from this winter and curb and gutter repairs from this spring along with street patches
- Cleaned up 2 properties that were blighted
- Sealed STH 34 bridge deck
- Fixed sidewalk repairs from concrete blowups
- Completed 4 catch basin repairs, 3 of them being complete rebuilds
- Completed 2 city wide brush pickups, with larger piles due to wind storm

- Saw cut asphalt patches
- Provided staff to work on preparing pool for operations

### ***Paint and Signs***

- Replaced seasonal banners in downtown area
- Hung Flower baskets in downtown area
- Painted yellow centerline in Downtown area, West Grand Ave, George Road, 3<sup>rd</sup> St. South, 1<sup>st</sup> St. South, Downtown on Westside
- Painted yellow curb at 34 and High, Chase and Expressway, 10<sup>th</sup> Ave South, Downtown streets, 5<sup>th</sup> St. around the court house and Howe School
- Installed Signs on 15<sup>th</sup> Street construction project
- Installed Signs on Jefferson Street project
- Removed signs from 11<sup>th</sup> Street construction
- Installed Cranberry Blossom Festival Banners
- Installed Farmers Market Banners
- Started painting crosswalks and lane dividers on highways
- Repaired damaged signs from accidents
- Installed Flags for Memorial Day

### ***Shop and Repairs***

- Completed 500 hour service on new excavator
- Replaced undercarriage on Dozer
- Replacing radiator on Older grader
- Maintaining arms on garbage and recycling truck
- Organizing stockroom to make more operational for mechanics
- Multiple truck services
- Surface heads on unit 190
- Worked with V&H on warranty issues with police cars
- Checked over truck fleet for haul of road base and sand for railroad spur
- Changing lawnmower blades every other day to maintain a good cut

### **Wastewater:**

- Increased spring precipitation continues to create higher than normal influent flows, which poses some challenges with treatment, but plant is operating within permit parameters. The increased I/I is a reminder the City needs to be diligent with sewer rehabilitation/replacement. Staff is progressing towards development of a formal I/I action plan to identify, help remedy, and fund corrections to these issues.
- Staff is busy with summer projects including the Primary Clarifier and Final Clarifier cleaning/preventative maintenance, septage receiving tankage cleaning and upgrading, digester cover maintenance, lift station cleaning/maintenance, and process equipment preventative maintenance.
- Staff is about at the midpoint stage of Phase III with the consultant Black&Veatch. Staff is currently performing full scale RAS fermentation pilot testing. This should help identify if biological phosphorus removal is possible full scale, and could help with our future lower permit concentrations.
- Recent DNR submittals include the annual "Compliance Maintenance Annual Report", the "Ammonia Facility Plan and Compliance Status" report, the "Phosphorus Compliance Alternatives, and Facility Modifications Status" report.
- Collection system crews have been televising sanitary sewers, cutting and cleaning root areas, responding to sewer related calls, and assisting plant staff with maintenance.

**Other DPW activities:**

- Worked on TUF Q&A and draft ordinance language (primary work effort in June)
- Met, corresponded, and negotiated with property owner relating to the 8<sup>th</sup> Street storm sewer project. Temporary and permanent easements have been obtained and property owner has agreed to financially participate in the project.
- Meetings/correspondence regarding the proposed Biron wastewater agreement. Audited and discovered issues with the existing agreement wherein it appears Biron has been significantly under billed since at least 2010.
- Met with wastewater management staff to discuss wastewater I&I strategies.
- Meet with street department management staff to discuss operations, and challenges.
- Reviewed rail plans with City Engineer, drafted language requesting the consultant respond to questions and take immediate steps to correct errors and omissions in plan documents. TEA grant has been formally signed and approved by the State
- After receiving concerns relating to a right-of-way permit application and excavation in the right-of-way, researched the situation and met with interested parties to discuss.