



**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 July 2021**

#### **Engineering:**

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

- 26 Permits/Applications for asphalt paving (0), driveway grades/concrete pour inspections (15), storm water (0), excavating (11), Street Privilege (0), storm connection (0), permit parking (0), banner (0)
- 205 Diggers Locates for Storm Sewer & Sanitary Sewer as of 7/31/2021 (6 Emergencies)
- Degradation fees –
  - July degradation fees
    - Wastewater = \$1,099.80
    - Water & Light = \$6,158.88
    - We Energies = \$0.00
    - Total = \$7,258.68
- Met with the DOA on July 15<sup>th</sup> to do a preconstruction walk-thru. Plans were modified after the walk-thru. City Floodplain Permit Application was also prepared..

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

- Vision Triangle Complaints
  - 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.
  - Washington St and 10<sup>th</sup> St stop sign request July 2021
- Signal complaints
  - Washington St & STH 54 vehicle detection issues
  - 8<sup>th</sup> St and Expressway EB left turn lane detection issues
  - 8<sup>th</sup> St and Baker St Signal Timing complaint along with detection issues
  - 8<sup>th</sup> St sign bridge at Chestnut St fell and needs replacing.
  - 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 – Plans were sent to the DOT for final review; however, there is a component to the plans that wouldn't allow them to review until the safety issues was either approved by the Office of the Commissioner of Railroads (OCR) or else corrected on the plans. Matalco and consulting engineer determined that it would be best to modify the plans rather than petitioning OCR. Plan modifications should occur in August.

### Maintenance Projects

- Concrete Joint Sealing – Joint Sealing work is complete.
- Sidewalk and Curb & Gutter Maintenance – Joslin Concrete completed curb work in advance of chip sealing activity. 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) – Curb and gutter was completed on 8/3/2021. Underground work was completed the week of June 14<sup>th</sup>. Construction started 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 complete. Topsoil and Seeding will be done on 5/25/21. Underground work is complete as of May 7<sup>th</sup>. Construction start on 3/30/21. Walk-thru occurred on 3/24/2021. Design is 99%. Open House 2/24/2021.
- 18<sup>th</sup> Ave (2021 Construction) – Crews are currently working from Alton St to Essex St and crews expect to be at Essex by August 11<sup>th</sup>. Start date was July 6<sup>th</sup>. Preconstruction walk-thru occurred May 12<sup>th</sup>, 2021. Open House meeting was held on 3/31/21 - preliminary resolution letters were sent to residents in mid-May.
- Jefferson St (2021 Construction) – Paving occurred on 6/18 and 6/19. Road base was installed on May 20<sup>th</sup>. Curb & Gutter is expected to begin May 28<sup>th</sup>, 2021. Construction is began May 10<sup>th</sup>. Walk-thru is scheduled for April 13<sup>th</sup> 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 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, 40% complete – 9<sup>th</sup> Ave N (McKinley to Fremont), 0% for Smith St & Cherry St, 60% Apricot St and Broadway St.
- Fremont St – 13<sup>th</sup> to 14<sup>th</sup> Ave design is 95% complete.
- Fremont St – 7<sup>th</sup> to 10<sup>th</sup> Ave design is 35% complete.
- W Jackson St – A second Public Information was sent out in July. Real Estate purchases are ongoing.

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

- 8<sup>th</sup> St Culvert Replacement / Rehabilitation design is 100% complete. Two bids were received with the low qualified bidder at ~\$350,000 which was over \$250,000 over the Engineering Estimate. Bids were denied and plans were revamped to facilitate construction with City crews. Work is anticipated to begin August 11<sup>th</sup>. Final plan details are being prepared along with temporary and permanent easement documents.

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

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

- Garbage Collection estimated 453.14 tons (2020 437.89 tons)
- Recycling Collection estimated 103.07 tons (2020 123.02 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)*
  - *Project completed, restoration (seed and emat) will be completed in fall of 2021 for successful grass growth*
- *11<sup>th</sup> Street North ( Washington St – Apricot)*
  - Curb and Gutter and sidewalk installation completed 08/02/21
  - Working on completing the restoration on the backside of curb and sidewalk, finish grade and pave. Hoping to have the paving completed week of August 16
- *Metalco Rail Spur*
  - *Finish grade staking has been completed, just need to finish grade and compact and cities portion is completed*
- *18<sup>th</sup> Ave South (Russel Street – West Grand Ave)*
  - Removed Asphalt, curb and gutter and topsoil form West Grand Ave – Essex
  - Installed 913' of 12" Sanitary, 26 Sanitary services and four manholes
  - Installed 520' of 6" Watermain, 620' of 8" Watermain and two Fire Hydrants
  - Installed 10 Storm Catch Basins and 3 Storm manholes and associated pipe

## **Street & Grounds Maintenance**

- String trimmed grass and weeds along highways
- Cut grass in city maintained properties and street Right of Way
- Saw cut asphalt patches south of East Riverview Expressway
- Work with Kafka Construction with brush and stump grinding
- Maintain cities railroad spur on Rapids East Commerce center (remove brush, cut weeds, spray weeds, cut back Right-of-way
- Maintained Zoo Operations
- Inventoried and mapped sprinkler system at Witter Field, Veterans Park, Legion Park and Mead field
- Sprayed weeds in medians and boulevards
- Worked with Wood County Highway doing paver patches throughout the city
- Pull weeds in landscape areas around pool, east river bank and downtown areas
- Did curb and gutter removals for Curb and Gutter maintenance contractor
- Completed an emergency Sanitary repair on 16<sup>th</sup> Street North and Irving Street
- Completed manhole repairs on Baker Street hill
- Completed multiple rings and casting repairs
- Completed 3 complete catch basin rebuilds
- Repair asphalt and boulevard areas from curb and gutter and sidewalk maintenance
- Built temporary stockpile of sealcoating chips at South Wood County Hockey Rink
- Completed preparation of streets for sealcoating
- Swept area to be seal coated on August 11
- Setup barricades and snow fence for July 4<sup>th</sup> Celebration
- Set out 40 additional garbage and recycling containers for July 4<sup>th</sup> Celebration

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

- Replaced seasonal banners in downtown area
- Painted Center line on Highways and Arterial Street
- Painted intersections Crosswalks and Lane Dividers on 8<sup>th</sup> Street South
- Painted Crosswalks around Schools and Churches
- Painted Yellow Curb in Business District and
- Took down flags after holidays
- Replaced damaged signs
- Changed out business sign in Westside Business Park
- Refaced Westside Business Park sign
- Replaced Signs in Construction Projects
- Straightened Signs that were damaged
- Set signs for 4<sup>th</sup> of July event
- Installed Water Ski Show banners
- Replaced speed limit signs on West Grand Ave
- Painted Graffiti on STH 54 Underpass

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

- Replaced radiator in 20 year old grader
- Prepared fleet for chip seal spreading
- Replaced pins and bushings on Garbage truck arms
- Replaced Hydraulic PTO in unit 133 lawn mower
- Serviced vehicles in Public Works Fleet
- Provided or delivered Police Squads for Warranty work
- Replaced the tracks on John Deere Dozer

### **Wastewater:**

- July influent BOD concentrations were lower than usual. This is attributed to several Industrial customers being offline for holidays and cleaning events. With several process changes, overall treatment remained very good.
- The new biosolids storage building is nearing completion. A few delays in material deliveries have extended the project timeframe, but everything looks to be complete by the end of August.
- A decision has been made to begin adding additional carbon to the RAS fermentation pilot reactor. This should help boost available COD to the PAOs (phosphorus accumulating organisms) which should allow them to take in for P biologically. There has been a gradual increase in P uptake.
- The City has approx. 1,500 wet tons of Class A biosolids available to interested customers. Much of this product is planned to be taken by local farmers, but any interested individuals may still be able to get some! Please contact the Wastewater department if interested.
- In preparation for impending DNR permit parameter changes plant staff is continuing to go through overall optimization of the wastewater plant. The RAS fermentation pilot has the end goal of changing the system to biological P removal, which would increase of microbiological diversity, and also reduce chemical usage significantly.
- Collections crews are cleaning catch basins, jetting gravity main lines, televising, and working with our IT department to optimize our ArcGIS interface.

- Daly Lift station rehabilitation efforts are complete. This station now has a new control panel, hardware, transducer/floats, pumps, rails, and wet well piping. This should ensure 20+ additional years of reliable operation.

**Other DPW activities:**

- STP Urban program projects submitted to the DOT for grant program consideration, including East Jackson St from the bridge to East Grand Ave, Baker St from 8<sup>th</sup> St N to 18<sup>th</sup> St N, and 8<sup>th</sup> Street from the Expressway to Baker St.
- Held Wisconsin Rapids Urban Group meeting to review and rank regional STP Urban projects.
- Work on development of draft transportation utility ordinance language
- Met with City Attorney, staff, and Mayor to review draft transportation utility ordinance language
- Met with staff to discuss the 8<sup>th</sup> street storm sewer repairs. Bids for contracted work seem excessive, so staff will move from 18<sup>th</sup> Ave to perform the 8<sup>th</sup> Street storm repairs.
- Met with legal team and Biron to discuss the Biron wastewater agreement
- Met with Advanced Disposal to discuss the City's refuse and recycling contract
- Met with public works leadership staff to discuss project status, communication strategy, project execution and department responsibilities, capital improvement plans, and the transportation utility
- Worked with staff addressing an unpermitted street excavation
- Spent considerable time focused on the proposed 2022-2026 public works capital improvement plan