



City of Wisconsin Rapids
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PW-1

Director of Public Works Report

Activity Report for July, 2018

Airport:

- \$3351.19 Avgas sales
- \$8938.00 Jet fuel sales
- 168 transient A/C served including
 - 39 Jets
 - 10 Turboprops
 - 6 Helicopters
- Ordered GPU
- 100% P66 Quality Assurance inspection
- Acquisition, assembly, and placement of terminal furniture
- Cable and internet installed in basement for pilot lounge

Buildings and Grounds:

- Completing review of second phase of generator installation proposals. Proposals will be referred to the Finance and Property committee for review and consideration
- Forestry work including some road construction removals in the High Street area, stump grinding, some trimming, and removals
- Administrative work continues on updating the sign and exterior paint proposals for Centralia entry ways
- 2019 budget preparation has begun
- Re-piped suction line at zoo duck pond to alleviate problems with loss of prime
- Preparing obsolete equipment for an auction at end of August
- Weekly tree watering daily flower watering
- Witter Field sprinkler system repairs due to booster pump failure. This was related to lighting damage of the controller and submersible pump. Some sprinkler head replacements were also performed

Engineering:

Misc.

- 30 Permits/Applications for driveway grades, concrete pour inspections, storm water, excavating
- 230 Diggers Locates for Storm Sewer & Sanitary Sewer

Traffic

- Timing Plans have been completed and implementation along the Expressway will commence within the next couple weeks.
- Plans for improvements at Lincoln St and Riverview Expressway are ~50% complete.
- 2 power supply units were installed at traffic signals to avoid interruptions during power outages during the month of June.

Project Designs/Construction underway:

- 2nd Ave S DOT Project – property purchase at the DOT building is complete.
- E Grand Ave – Bridge to 8th St – Parcel 31 accepted the offer and closed on the real-estate. Parcel 17 is still in the Jurisdictional Offer process.
- Centralia Parking Lot – on hold
- Concrete Joint Sealing – work is complete.

2018 reconstruction project update

- High Street – 7th Av N to 10th Av N is being staked for curb & gutter.
- Van Buren Street – 8th Av N to 10th Av N is planned to start August 2.
- High Street – 12th Av N to 17th Av N – notices were sent to property owners regarding the start of the project. A preconstruction walk-through was held on 8/1/2018.
- 29th Ave Storm Sewer Replacement was completed mid-May.

2019 & 2020 designs for reconstruction projects

- Structure Inspections are 90% complete for the 2020 design/construction projects
- Preliminary survey was substantially completed for 10th St from Grove to Airport. Survey crews are waiting on Diggers Hotline locates for a few items. Additionally, design and plans are ~80% complete.
- Survey crews setup control for the 2nd Ave project survey.
- E Grand Ave sewer & water plans are nearly complete
 - 2nd St S between E Grand Ave and Birch St are ~50% complete
 - Project Plans, Specification & Estimate submittal to the DOT was 8/1/2018.

E River Bank Recreational Trail

- Phase I – Work continues in Demitz Park and has progressed along 2nd St S.
 - Change Order No. 1 was signed 6-5-18 for a contract decrease of \$208,966.30.
 - Change Order No. 2 was signed 6-14-18 for a contract decrease of \$16,031.00.
 - Change Order No. 3 was signed 7-27-18 for a contract increase of \$3,500. (Attached)
 - A contract modification is pending for the 2nd St S cutoff wall at Sta. 415+45 to 418+50 to accommodate Wisconsin River flood plain modeling and DNR requirements. The modification increases the cost by \$87,602.40. Contract cost is still ~\$50,000 below approved amount. (Attached)
- Phase II – plans are in the final review stage.

Wastewater Force Main

- All direct bury pipe work is complete
- Pilot bore and ream is complete.
- Preparations are in place to pull pipe through the bore and should be complete by August 10.

Wastewater West Side Lift Station

- Excavation for lift station is over 50% complete. Much of the excavation is rock excavation.
- Lift station is expected to be substantially complete and on-line by the end of 2018

Storm Water Utility

- One Mile Cr. – The survey for the One Mile Cr. Project is delayed due to lack of visibility with vegetation. A demo of a piece of survey equipment to use in highly vegetated areas is set to arrive mid-August.
- Stormwater Management Plan – completion is pending

Streets:

- Summer help continues string trimming known right of way/highway weeds. Weeds have also been sprayed on concrete islands/boulevards/medians, and pulled weeds from downtown tree's/landscape areas.
- More than 20,000 ft of Crack filling on 16 streets in preparation for this year's chip seal. Summer help also weed sprayed all of streets prior to crack fill
- Sawed approximately 45 paver patches
- 15 paver patches completed
- Hot patched approximately 25 areas, including numerous CB repair areas, degraded road and We energies digs.
- Poured concrete slab on 25th Av in preparation for new Kwik Trip construction/remodel.
- Repaired Storm outlet pipe washout at the 8th St S and Whitrock Av intersection
- Repaired 2 storm lead pipe fractures on 14th St N and Washington St Intersection
- 11 CB's repairs and restoration of those repairs
- Began the construction of structure for West side Water tower upgrade
- Conducted cleaning/grubbing/inspection of 5th Av N ditch culvert crossing Verso's effluent line
- City Wide residential and highway Street Sweeping.
- Distributed 63 recycling carts to Thousand Oaks trailer community.
- Adjusted 7 manholes castings for this year's chip seal or hot patch.
- Incorporated recycle driver in training and mowing of west side route. (Process still ongoing)
- Numerous equipment repairs in-house including police, fire and city hall.
- Assisted the Wastewater Utility by loading out approximately 50 loads of class A exceptional quality sludge.
- Screened several hundred tons of compost for the preparation of fall storage on west side site.
- Made temporary cold patch repairs for 6 concrete blowup's from excessive heat, primarily on 8th street. Full depth repairs will commence when complete list of concrete slab repairs is made.

Wastewater:

- Recent initiatives for WWTP staff to encourage full scale nitrification has led to drastically improved bacteriological settlability, poly saccharide formation, and effluent quality. All while influent BOD concentrations

have not decreased. Ammonia nitrification is a costlier way to operate an activated sludge process, but it does seem to be a large improvement for flocculation, a chronic issue at this facility.

- Collection system crews have been cutting roots, cleaning catch basins, televising sewers, and assisting street department construction staff as needed.
- Maintenance and Collections crews have been performing seasonal lift station cleaning work. This will ensure optimal lift station performance.
- Ellingson Trenchless alongside A1 excavating is approx. 90% complete with the river crossing force main boring. The current plan is to do the HDPE force main pipe pull back on 8/3. This will complete Ellingson Trenchless' work in the City.
- Recent plant performance improvements have led to staff taking final clarifier #2 offline. This will allow for a much needed inspection and cleaning of the equipment.
- Summer biosolids hauling was completed on 7/12. City staff members hauled 59 dump truck loads (or 784 wet tons) of biosolids to a local farmer. This created enough storage capacity to get through the rest of the summer.

Other:

- Interviewed wastewater operator candidates to fill the vacancy resulting from an employee taking different employment
- Attended force main construction progress meeting
- Attended lift station construction progress meeting
- Met with staff, Mayor, relating to development of automated garbage collection program
- Budget work for 2020 is underway