



WEEKLY DEPARTMENTAL REPORT

COMMITTEE: Village Manager/Board, Finance/Public Works, Traffic/Public Safety, Beautification

PREPARED BY: Matthew S. Maederer, P.E., Director of Public Works/Village Engineer

REPORT DATE: October 27th, 2016

GENERAL: The Director attended two (2) meetings to discuss GPS integration into the DPW fleet to better manage equipment assets, salt usage during winter operations, speed, route efficiency and diagnostics. US Cellular presented some options and is also working with other North Shore communities.

The Director and Engineering Technician attended a pre-construction conference with Midwest Fiber Networks and CableCOM (contractor) who will be completing a project this fall/winter to bring upgraded fiber facilities to FIS. The project will run from N. 76th Street & W. Bradley Road to N. 60th Street in the Village, crossing W. Brown Deer Road/STH 100, traversing N. 55th Street & N. 51st Street with termination at the FIS building. The facility will be installed via direction drilling trenchless technology which will minimize restoration efforts in the spring. *Project plans will be available on the DPW home page.*

The Director attended the North Shore shared services meeting on Tuesday, October 25th at 10am in the Village of Fox Point. Discussion items included new WDNR stormwater regulations which has created “total maximum daily loads” TMDLs for receiving waterways. Brown Deer will be regulated by the Milwaukee River TMDL. A presentation by Sweet Water was made to the group identifying upcoming challenges/gaps in meeting the new TMDL requirements. The Village will be updating its stormwater management plan (SWMP) in preparation of the new regulations. Other agenda items included a presentation by Milwaukee County on emergency management, and discussion regarding health & safety activities, and stormwater permit measurable goals.

The Engineering Technician is continuing to work on closing-out all of the 2016 projects, measuring final quantities, and processing pay applications to the contractors.

CONSTRUCTION UPDATES: Follow the 2016 construction projects on the DPW homepage by following this link <http://www.browndeerwi.org/departments/public-work/>

W. Fairy Chasm Road Reconstruction (N. 60th Street to N. 51st Street)

The project is substantially complete. The final pay request has been issued with 5% retainage withheld until the punch-list items have been satisfied.

Park Plaza Court Reconstruction & Stormwater Management Project

The Park Plaza Court reconstruction and re-paving portion of the project is substantially complete. The contractor, All-Ways Construction, completing the stormwater bioretention pond work and storm sewer installation. The stormwater management segment of the project is in conjunction with the Aldi & PAK Technologies development in the former American TV site. The stormwater management addition helps the Village meet its requirements set forth in the WDNR MS4 permit. The stormwater management area is located in southwest quadrant of the former American TV site, Lot 3, which is now a Village owned parcel. The stormwater work (including landscaping) should be substantially complete now by mid-November, weather dependent. The Aldi store grand opening was on Thursday, October 27th.

2016 Road Re-Paving & Ditch Rehabilitation Program

The 2016 road re-paving & ditch rehab program is substantially complete. This year's project area included the following streets:

- N. 56th Street (from W. Donna Drive to W. Wahner Avenue)
- W. Range Avenue (from N. 57th Street to N. 56th Street)
- N. 52nd Street (from W. Churchill Lane to W. Dean Road)
- N. 54th Street (from W. Bradley Road to N. 53rd Street/W. Willow Road)
- W. Goodrich Lane (from N. 54th Street to N. 51st Street)

DPW crews will continue to monitor the ditches for grass growth and re-topsoil/re-seed as necessary.

The Engineering Technician has completed finalizing the assessments. Adjacent property owners within the project area are assessed the cost of the asphalt driveway approach paving and culvert pipe installation. Bills will go out in mid-November with full payment due by October 15th, 2017.

TID No. 2 Roadway Lighting Improvement Project

The street lights (old green poles) located along Bradley Road, Sherman Blvd, and Teutonia Ave are scheduled for replacement with new decorative black anodized fiberglass LED poles/fixtures. The Director and Engineering Technician met with the contractor, Outdoor Lighting, on Wednesday, October 12th for a pre-construction conference. The replacement of all 100-street lights is expected to start on Monday, November 7th with a completion date of December 9th.

2016 Water Main Relay

Project completed in mid-June. Relay occurred on N. 52nd Street (from W. Churchill Lane to W. Dean Road), N. 54th Street (from W. Bradley Road to N. 53rd Street/W. Willow Road), and W. Goodrich Lane (from N. 54th Street to N. 51st Street).

Roof Replacement – Police Dept.

Project completed in mid-June.

WINTER OPERATIONS: Early fill salt was delivered on Tuesday, October 4th. A total of 200-tons was delivered and stockpiled in the salt dome at DPW. Salt is supplied by Compass Minerals through the State DOT contract. This year's salt price is \$60.09/ton which is a 2.56% decrease from last season's (2015/2016) bid pricing.

SANITARY SEWER: The Sanitary Sewer Technician continues performing routine televising of sewer lines throughout the Village. The month of October is Brown Deer's turn with the TV truck. The TV truck is shared and rotated monthly between the communities of Shorewood and Mequon. The Sewer Technician rates the Village's sewer pipes and notes deficiencies for future repair projects.

The Sanitary Sewer Technician responded to two (2) separate sewer back-ups this past week. In both instances the cause of the blockages was found to be tree roots which is the responsibility of the homeowner to relieve. In all basement back-up situations residents should call DPW so that the sewer main can be checked for proper flow. The Sewer Technician will also leave behind some information guiding the homeowner to the next steps.

The Sanitary Sewer Technician and Director are continuing to work with Signicast and MMSD this month (October) with regards to their industrial pre-treatment system. Currently the Village is noticing an excess build-up of solids material immediately downstream of the Signicast sewer lateral. Signicast is working on ways to limit the total suspended solids load and adjusting operations.

STORMWATER: The Stormwater Technician continues sweeping activities. As per the Village's WDNR stormwater permit all roadways are swept with extra attention given to the curb & gutter areas especially during the fall season to clear leaves from the gutter section.

DPW crews worked on clearing debris from inlet grates in the curb & gutter areas along with clearing outfall pipes throughout the Village during the rainy weather this past Wednesday, October 26th.

The Director & Engineering Technician finished evaluating ditches/culvert pipes in conjunction with roads scheduled for re-paving in 2017. The 2017 ditch rehab areas are W. Donges Lane (from N. 67th Street to N. 60th Street) and W. Darnel Avenue (from W. Grandview Road to N. 60th Street).

BEAUTIFICATION/FORESTRY: DPW crews have marked ash trees infected with Emerald Ash Borer (EAB) with pink ribbon along with other dead/damaged trees throughout the Village. All marked trees are scheduled for removal. Removals generally occur during the winter months. All trees removed will be replanted with a species other than ash.

DPW crews have started mowing down natural areas (i.e. the hardwood savanna and drainage ditches) and clearing overgrown brush from select R/W areas throughout the Village.

The Director submitted an Urban Forestry Grant (UFG) to the WDNR. The grant was for \$40,000 (\$20,000 Village participation and \$20,000 WDNR participation) to conduct a Village wide tree inventory/assessment, create a GIS mapping layer, and to treat ash trees with trunk injection chemical treatments. We will find out if the grant was successful by the end of the year.

STREETS & TRAFFIC: DPW crews completed the top lift of roadway shouldering on N. 54th Street in the roadway re-paving program limits. All roadway shouldering is now complete.

DPW finished installing new street signs throughout the street re-paving program areas (i.e. N. 56th Street, W. Range Avenue, N. 52nd Street, N. 54th Street, W. Goodrich Lane, and W. Fairy Chasm Road).

The Director and Engineering Technician finished evaluating roads for the 2017 re-paving program. The 2017 street paving areas are W. Donges Lane (from N. 67th Street to N. 60th Street) and W. Darnel Avenue (from W. Grandview Road to N. 60th Street).

REFUSE AND RECYCLING: The Recycling Center is on fall hours for the month of October. The Recycling Center is open on **Tuesdays/Thursdays from 12pm to 6pm and Saturdays from 10am to 5pm**. For further information regarding the recycling center hours please call the DPW office at 414.357.0120.

The Director submitted the annual recycling grant to the WDNR. The State funds approximately \$40,000 to municipalities to help offset costs for the operating recycling programs.

Reminder: mulch is FREE to residents for pick-up during the normal Recycling Center hours of operation. Mulch is also available for delivery every Friday. Mulch orders must be placed at Village Hall before business close (4:30pm) the preceding Wednesday. Mulch is delivered at \$55/3-yards or \$65/5-yards.

PARKS & RECREATION: DPW crews completed winterizing the swimming pond (i.e. draining water supply pipes) in Village Park.