



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: November 16th, 2016

GENERAL: The Director and Chief of Police attended a meeting at the Milwaukee County Emergency Management Center in Franklin to discuss the County Emergency Management Mitigation Plan. The mitigation plan is updated every 5-years. Each municipality within Milwaukee County updates critical infrastructure information and develops mitigation project plans.

The Director and Community Services Director attended the MMSD commission meeting on Monday, November 14th where the Green Luminary award was received for excellence in stormwater management. The award was received for the Bradley Road bio-median project which was completed in 2015. The project was partially funded through the MMSD Green Infrastructure (GI) partnership program. The new bio medians help the Village meet its stormwater management requirements. Learn more here: <http://www.mmsd.com/mmsd-news/november-green-luminary-brown-deer>

The Director attended a staff meeting on Monday, November 14th to discuss updates to the Employee Manual. Periodic check-in meetings will be held with all department heads until all sections of the manual are updated. The recommended changes will then be taken to the Personnel Committee and Village Board for adoption sometime in early 2017.

The Director attended the Technical Advisory Team (TAT) meeting at MMSD on Thursday, November 17th. Agenda items included status updates to the private property infiltration and inflow program, green infrastructure plans & specifications, and green infrastructure annual reporting.

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 are available on the DPW home page.***

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 (spring 2017).

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, is 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 before Thanksgiving, weather dependent.

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 in the spring of 2017.

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 being replaced with new decorative black anodized fiberglass LED poles/fixtures. The replacement of all 100-street lights started on Thursday, November 17th. The Contractor will start on Teutonia at the Village limits and work north. The Teutonia lights should be replaced by Thanksgiving. Work will then progress onto Sherman and Bradley. The completion date is 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.

The mechanic is working on setting-up all six (6) 5-YD plow trucks for winter operations now that the summer ditching work is complete.

SANITARY SEWER: The Sanitary Sewer Technician and Director met with Signicast staff on Monday, November 7th at the Signicast plant here in Brown Deer. The Village staff and MMSD were working with Signicast in regards to their industrial pre-treatment system. We monitored the Village sewer main immediately downstream of the Signicast lateral for debris build-up. Signicast changed their pretreatment operations to eliminate total suspended solids (TSS) from entering the Village sewer during the month of October. The pilot test performed delivered results both satisfactorily to the Village and MMSD. Signicast is going to continue the pilot test through February which is when the Village will

have the sewer TV truck next. We will continue to monitor the sewer lines downstream and if the results are as expected Signicast will implement the pre-treatment permanently. Their permit with MMSD will be modified accordingly.

STORMWATER: The Director and Engineering Technician met with staff from Sweet Water on Wednesday, November 16th who performs and assists the Village (along with the other North Shore communities) meet the educational/public outreach component of the stormwater permit (NR 216) with the WDNR. New stormwater regulations are forthcoming which set limits on the amount of pollutants such as phosphorus and total suspended solids (total maximum daily loads) receiving bodies of water can handle. Brown Deer is in the Milwaukee River watershed basin and will be subject to its subsequent total maximum daily load (TMDL). Sweet Water discussed challenges we foresee in meeting these new requirements and offered assistance with grant applications, etc.

The DPW crew installed the last driveway culvert of the year on Wednesday, November 16th. A residential permit was pulled for work on N. 63rd Street. The old culvert was removed a new pipe installed so that the drainage ditch flows better and prevents standing water. Driveway culvert installations are now complete for the year. If residents are interested in re-paving their driveway a permit needs to be pulled with DPW and a culvert inspection will be completed.

The Stormwater Technician continues street 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.

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: *The Village was successful in securing an Urban Forestry Grant for 2017!* The Director submitted an Urban Forestry Grant (UFG) to the WDNR in the month of October. 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.

The ATC clearing project entered the Village limits (just south of County Line) on Monday, October 31st. This is a large brush clearing project from Port Washington in Ozaukee County well into Milwaukee County which obviously includes Brown Deer. The ATC high tension power lines run along the Village Bike Path and Oak Leaf Trail adjacent to the RR tracks. A crew is currently clearing brush around each of the high tension towers. After Thanksgiving a mower will be clearing a 100-ft path (50-ft on each side). During the mowing operation the bike path will need to be closed in segments. The ATC contractor will be providing the proper barricades and DPW will provide detour signage during the closures. Once the exact dates of the closure are determined the Village will communicate the detour via social media outlets. The contractor will also be notifying Milwaukee County in advance of any bike path closures. The contractor completing the work on behalf of ATC is Nelson Tree Service.

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

STREETS & TRAFFIC: The Village's concrete contractor, TP Concrete, was in the Village on Monday & Tuesday (November 14th & 15th) completing miscellaneous concrete sidewalk repairs and concrete curb & gutter repairs adjacent to catch-basins.

DPW crews are filling potholes with cold-patch asphalt throughout the Village maintained roadways (focusing on mains and arterials).

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 November. 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 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.