



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 30th, 2016

GENERAL: The Director attended the Village Board meeting on Monday, November 21st. The 2017 budget was adopted. All expenses for DPW were held at 2016 levels. Additionally, there will be no rate increases for sanitary sewer, stormwater, and recycling. Also on the agenda was the purchase of a new 5-YD patrol truck (Truck No. 79 replacement). DPW has a total of six (6) 5-YD patrol trucks which are mainly used for winter operations and also used during the annual summer re-ditching projects. The trucks have a life span of approximately 10-years. Truck No. 79 is being replaced with a Western Star chassis from Truck Country and the truck package (i.e. dump box/controls/plows) is being assembled by Burke Truck & Equipment. The total price (chassis and truck package) is \$162,430.51.

The Director and Engineering Technician attended a meeting with Milwaukee County highway engineers and their consulting engineers to discuss the W. Bradley Road & N. Teutonia Avenue/CTH D intersection reconstruction. Options being explored are signal and geometry modifications along with a roundabout alternative. The County will be resurfacing N. Teutonia Avenue/CTH D from W. Good Hope Road to W. Dean Road in the summer of 2018. Design and planning will occur throughout 2017.

The Director met with engineers from Eco-Site who are working for T-Mobile on a cellular tower project. The proposed site is Fairy Chasm park. The engineers will be drafting site plan options for review by staff and Village Board.

The DPW crew is decorating the Village with Christmas decorations. The crew hung wreaths at each of the decorative street light poles in the Original Village. They are also stringing lights at Village Hall and the small pine tree in front of the Fire Station which will be used for the tree lighting event on Thursday, December 8th at 6:30pm (actual lighting is at 7:30pm). Look for additional details on the Village's website in "spotlight" news.

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/>

Midwest Fiber Networks

CableCOM (contractor) will be completing a project this winter (2016/2017) to bring upgraded fiber facilities to FIS. The project will run from N. 76th Street & W. Bradley Road (in Milwaukee) 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.***

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 stormwater management is substantially complete. 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 Engineering Technician is working on the final pay application. A 5% retainage amount will be withheld until the punch-list items have been satisfied (spring 2017).

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-December 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 has completed the N. Teutonia Avenue/CTH D replacement and is now working on the W. Bradley Road replacements. 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 2016.

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 continuing to work on setting-up all six (6) 5-YD plow trucks for winter operations and making sure all vehicles/equipment are in working order.

Each plow driver is completing an inspection of their respective plow routes. Crews are noting potholes which will be filled with cold-patch or overlaid with hot-mix. Crews are also placing hydrant markers and plow markers throughout each route to help guide the operators.

SANITARY SEWER: The Sanitary Sewer Technician responded to an emergency digger's hotline ticket Friday, 11/18 evening. A WE-Energies power pole was knocked down in a car accident at N. 67th Street & W. Bradley Road. Prior to auguring a replacement pole the surrounding utilities are marked so as to avoid conflicts/damage to Village owned facilities.

The Sanitary Sewer technician is working on year-end reporting of sewer inspections (i.e. TV reports and cleaning reports) for reporting to the WDNR & MMSD.

STORMWATER: During the mild weather 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. In mid-December 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 mowed down natural areas (i.e. the hardwood savanna and drainage ditches) and cleared overgrown brush from select R/W areas throughout the Village.

STREETS & TRAFFIC: 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 has now switched to winter hours for the months of December/January/February/March. The Recycling Center is open on **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.