

AGENDA 7a-3
DATE 1-15-2019

DEPARTMENT OF PUBLIC WORKS

CITY OF NORTON SHORES

MONTHLY REPORT

December – 2018

PUBLIC WORKS

The Public Works Department responded to eleven after-hours emergency calls during the month of December; including six lift station alarm calls, two Streets calls, two Miss Dig requests and one Equipment call.

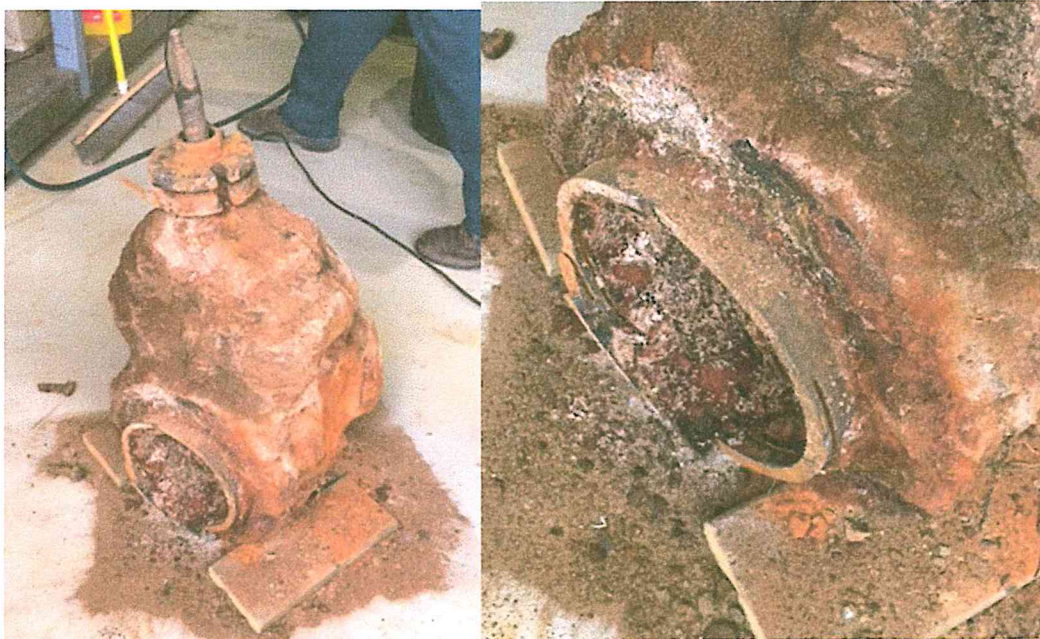
WATER & SEWER

Water and Sewer crews installed 0 water services (11 year-to-date) and inspected 3 sewer connections (28 year-to-date) during the month of December. Comparatively, a total of 1 water services (24 year-to-date) have been installed and 3 sewer connections (23 year-to-date) have been inspected during FY-2019.

Water and Sewer personnel repaired 7 curb stops (57 year-to-date), repaired 1 hydrant (79 year-to-date), completed 127 Cross Connection inspections (382 year-to-date), repaired/replace 1 mainline valve (6 year-to-date) and winterized 2 hydrants (1,272 year-to-date) during FY-2019. The annual mainline valve turning program has continued with a total of 266 valves turned during the month (378 year-to-date). Personnel has replace 25 large meters (1 ½" and larger) within the system. Through our annual large meter testing program, we have found a number of meters that have completed their lifespan, are not in the correct application and/or failed their accuracy rate.

Personnel cleaned the 4 sanitary sewer lift stations for Hoffmaster State Park. Hoffmaster was invoiced for the services. Personnel completed the 4162 Harbor Point lift station rehabilitation. A portion of the force-main was repaired, discharges rebuilt, as well as, the rebuilding of the bypass chamber. All this work was performed as preventative maintenance. The piping was starting to fail and age considerably. Crews also repaired a faulty check valve at 3571 Peninsula lift station.

The Water & Sewer workers replaced a broken 6" valve at the corner of Bundt and McCracken. The valve was installed in 1944 and was installed using a leaded joint. This has since been removed and replaced with a new RW (Resilient Wedge) gate valve. Below is a picture of the retired valve.



STREETS & DRAINAGE

Major and Local Streets

Installed, repaired, or replaced twenty five (25) signs including the repair of (16) regulatory signs, the installation of eight (8) new regulatory signs, and replaced one (1) street name.

Responded to one hundred (100) staking requests including one (1) from Water & Sewer and one (1) from Streets & Drainage.

Street employees went to a three (3) shift operation starting in December for the winter season. Salting and plowing along with sanding of the gravel roads was done as needed. Gravel roads were graded four (4) times and repaired as needed. Street sweeping was finished for the season. The patching of road pot holes was done as needed. Road repair was done after a water valve replacement.

Drainage work included the removal of dirt and debris from numerous drains throughout the city. Some swale ditching was done in several areas to help alleviate water build up from rain and snowmelt along the road side.

Equipment

Equipment Maintenance personnel completed 91 services/repairs in December. Public Works Department vehicles consumed 1,991.5 gallons of fuel during the month.

Leaf Sites

The leaf sites were closed and cleaned up for the season.

The total number of vehicles that were monitored using the Wood Road leaf site in December 2018 was 50 compared to 1,170 in December 2017.

Miscellaneous

Some minor work was done on the road/trail to the new Kayak launch.

Bin blocks were purchased and hauled into the DPW yard to contain aggregate piles for MS4 storm water regulations.

Forklift safety training was completed for several employees that needed recertification.

A street light inventory was completed and turned into Consumers Energy for repairs.

Road side trimming was done in response to a few complaints. Road side cleanup was done as needed. Equipment clean-up and garage maintenance was addressed in the month of December.

BUILDINGS AND GROUNDS

The following is a listing of Building & Grounds Maintenance Division activities completed in addition to normal daily custodial and maintenance routines.

City Hall

- Replaced toilet in basement restroom
- Placed and set up new treadmill in weight room
- Reviewed applications for new employee

Cemetery

- Two graves sold
- One cremains burial
- Two pre-paid burials
- One foundation

ENGINEERING

2019 Sidewalk Project:

Limits: Pontaluna Road (railroad crossing)
Mount Garfield Road (Grand Haven Road to US-31)
Mount Garfield Road (Harvey Street to Fairfield Inn)
Grand Haven Road (Pontaluna Road to Gateway Blvd.)
Gateway Blvd.
Norton Center Drive
North Gateway Drive

Description: Construction of new sidewalk along the proposed routes.

Consultant: ENG, INC. of Grand Haven, MI

Month's Work: Reviewed preliminary plans and provided comments. Work on obtaining easements and railroad permit has started.

Funding: TIFA funds

Estimated Start: Spring 2019

Estimated Finish: Summer of 2019

Broadway Avenue Reconstruction & Bike Path (Phase 2):

Limits: Getty Street to Bailey (roadwork) and Sherman Blvd to Summit (bike path).

Description: Reconstruction of existing roadway and water main along the proposed route.

Consultant: Prein& Newhof, Grand Rapids, MI

Contractor: To be determined

Month's Work: Design work continues this phase of the bike path and roadway and water main reconstruction project. The areas where easements may be required were also determined and P&N working on easement documents. MDOT Grade Inspection (GI) meeting was held as well as an additional meeting with private utilities. Work on Soil Erosion and Water Main Permits has started.

Funding: STIP and other grants (application submitted) with local matches.

Project Start: Summer 2019

Project Finish: Fall 2019

HIP / HMA Overlay Project 2019 (FY20):

Limits: Selected streets
Description: Mill and replacement of HMA surfaced roadways and Hot-in-Place recycling of existing asphalt pavements with the placement of HMA overlay.
Consultant: City Staff
Contractor: To be Determined
Month's Work: City Staff continues to work on preparing for this project.
Funding: MRF and Capital Improvement Funds
Start Date: Early Summer 2019
Finish Date: Late Summer 2019

Forest Park Road Resurfacing Phase 2, Stryker Drive to Lake Point Drive

Limits: Stryker Drive to Lake Point Drive
Description: Resurfacing of existing roadway and placement of liner in sanitary sewer under existing culvert.
Consultant: City Staff
Contractor: To be determined
Month's Work: Work continues on this project.
Funding: Capital Improvement and Sewer Funds
Estimated Start: Spring 2019
Estimated Finish: Fall 2019

Lake Harbor Bridge Repairs

Limits: Lake Harbor Bridge over Mona Lake Channel
Description: Preventative maintenance and repairs to the bridge joints, deck, and piers.
Consultant: Fleis & VandenBrink, Grand Rapids, MI
Contractor: To be Determined.
Month's Work: Environmental clearance work is well underway.
Funding: MDOT local bridge funds with local match.
Project Start: Spring 2020
Estimated Finish: Summer 2020

Mona Shores Mid-Block Cross Walk (FY19)

Limits: Seminole Road and Padelt Street intersection
Description: Placement of a mid-block crosswalk to service foot traffic to the high school.
Consultants: City Staff
Contractor: To be determined.
Month's Work: City staff continues work on the site plan and supporting documents. A MDOT Grade Inspection (GI) meeting was held in December.
Funding: MRF and Capital Improvement Funds
Start Date: Summer 2019
Finish Date: Summer 2019

Speed Studies

Limits: City wide
Description: Perform speed study and establish speed limits per State law and accepted methods.
Consultants: In house
Month's Work: New studies were performed on the following roadways based on data collected this fall:
*Ellis Road, Grand Haven Road to Cul-de-sac
*Mount Garfield, Grand Haven Road to Cul-de-sac
*Plainfield Drive

Major Private or Other Projects:

<u>Project:</u>	<u>Address:</u>	<u>Developer/Owner:</u>
Mercy Hospital Drive	Sherman Boulevard	Mercy Hospital
Smart Vision	Robert Hunter Drive	Smart Vision
Cancer Center at Hackley Lakes	Harvey Street	Doctor Campbell
Cottages at Mona Kia	Seminole Road	Ross Pope
Lake Fran Development	Harvey Street	
Eastowne Development	Seminole Road	

PLANNING

The staff processed through the Planning Commission a Land Division request from the Lakeshore Village Workshop to create an additional, developable lot on the east end of their Judson Road property. The request was ultimately approved by the City Council.

The staff granted administrative site plan approval to Non Ferrous Cast Alloys for a 1,700 square foot addition to their North Gateway Boulevard facility.

Zoning Ordinance violations for the month dealt primarily with the parking of vehicles in the front yards of residential structures.

Construction activity for the month saw a seasonal decline with the staff approving 13 site plans for fences, sheds, signs, building additions, and commercial projects, and including 2 new single family residential structures.