

AGENDA 7a-3
DATE 8-20-19

DEPARTMENT OF PUBLIC WORKS

CITY OF NORTON SHORES

MONTHLY REPORT

July – 2019

PUBLIC WORKS

The Public Works Department responded to 19 after-hours emergency calls and seven business hours emergency calls during the month of July; including 14 lift station alarm calls, six Streets calls, two Miss Dig calls and four Water and Sewer calls.

WATER & SEWER

Water and Sewer crews installed four small and one large water services (5 year-to-date) and inspected 11 sewer connections (11 year-to-date) during the month of July. Comparatively, a total of one water service (1 year-to-date) have been installed and three sewer connections (3 year-to-date) have been inspected during FY-2019.

Water and Sewer personnel repaired eight curb stops (8 year-to-date), repaired one hydrant (1 year-to-date), repaired one mainline valve (1 year-to-date) during FY-2020, and replaced the water service at 1999 Horseshoe Dr., due to a leaking service on the City's portion, during FY-2020. Crews have replaced nineteen (19) large meters that range from 1.5 to 3 inches. These meters were changed out based on either failed testing reports or age. Crews repaired a six-inch water main break on Hiawatha Dr. and Seminole Rd. During the shutdown, the mainline valve at this intersection broke in the closed position. During the replacement of the broken valve, we chose to replace the hydrant as well because of age (1954) and condition. The reconstruction of the Norton Shores/Muskegon Heights interconnect located at Glade St. and Oakwood Ave. was completed by personnel. The interconnect is now located at Glade St. and Cleveland Ave. with a new 10-inch valve for Muskegon Heights located within the intersection and Norton Shores' valve will be located on the west side of Seaway Dr. Norton Shores' valve will be incorporated with an upcoming water main project. When completed, this will then isolate the water main underneath Seaway Dr. Personnel collected and submitted the Egle mandated AM1 (Assessment Monitoring 1-Chemicals), AM2 (Assessment Monitoring 2-HAAs & Indicators) samples for the fourth Unregulated Contaminant Monitoring Rule (UCMR4).

Water and Sewer personnel cleaned 26,378 feet (26,378 feet year-to-date) of mainline sewer. Plummer's Environmental performed and completed a repair to the sanitary sewer at 567 Lakeshore Blvd. The City received a call that a sink hole had formed in the road. The City investigated and chose to have Plummer's video the mainline in order to properly quote the repair. Location and video of the repair will be added to the City GIS system.

STREETS & DRAINAGE

City crews responded to 297 staking requests.

Eight sign work orders were completed for the repair/replacement of three regulatory signs, and the installation of five new regulatory signs.

Major and Local Streets

Streets Division employees started the pavement preservation operations in July by dura patching several problem spots where potholes have been persistent throughout the city. Crack sealing began with roads that have been hot in place (HIP) resurfaced in the last few years. Sidewalk work continued into the month with the removal and repair of broken and raised sections of sidewalk. Gravel roads were all graded and 25,000 gallons of dust control brine was applied. Gravel roads were graded as needed throughout the month.

Numerous storm drains were cleared of debris throughout the city. The Grand Haven, Hendrick, Mona Shores, and Lake Harbor District sub-drains were all cleaned in the month of July, with over 76,000 feet of sub-drain sock pipe being cleaned. Roughly 35 miles of curb and gutter were swept and cleaned of debris. The illicit discharge into the storm system from J & M Machine was resolved.

Streets Division employees installed Arts & Drafts banners on the Henry Street Bridge. Several signs and delineators were replaced due to damage or deterioration. The leaf site was pushed up as needed. Roadside mowing continued along with guardrail weed whipping and trimming for sight visibility issues. Tree trimming and the chipping of brush was completed as a result of summer storms. Equipment cleanup was completed as time permitted as well as garage maintenance/cleanup.

Equipment

Equipment maintenance personnel completed 76 services/repairs in July. The fuel system dispensed 7,323 gallons of fuel in July. Public Works Department vehicles consumed 3,161.6 gallons during the month.

Miscellaneous

Norton Shores residents utilized the Muskegon County Solid Waste Facility with a total of 51 cars and 54 trucks monitored in July.

Leaf Sites

The total number of vehicles that were monitored using the Wood Road leaf site in July was 1,434.

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

- Repaired irrigation system
- Worked with contractors on capital improvement project schedules

Library

- Worked on scheduling capital improvement projects

Cemetery

- Graves Sold: 2
- Full body burial: 1
- Cremain burial: 2
- Foundations installed: 7
- Mowed and trimmed by fence and monuments
- Worked on ground repair
- Repaired irrigation system

ENGINEERING

Broadway Avenue Reconstruction (Phase 2):

Limits: Getty Street to Bailey Street
Description: Reconstruction of existing roadway and water main along the proposed route.
Consultant: Prein & Newhof, Grand Rapids, Michigan
Contractor: Brenner Excavating, Hopkins, Michigan
Month's Work: Work started on July 8th with the placement of construction traffic controls and milling of the two eastbound and one westbound lanes. Work started on the placement of the 16-inch water main, a majority of which was placed in July and is scheduled to be tested in August.
Funding: STIP Grants with local matches along with Water and WMRWA Funds
Project Start: July 8, 2019
Estimated Finish: Late October 2019

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, Michigan
Contractor: Anlaan Corporation, Grand Haven, Michigan
Month's Work: Staff worked with the contractor and engineer to complete and submit the necessary railroad agreements, insurance forms and final permits. Public notification for the work has been sent and questions responded to.
Funding: TIFA & Capital Improvement Funds
Project Start: August 12, 2019
Estimated Finish: Late October 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: Gallagher Asphalt, Thornton, Illinois - Hot-in-Place Recycling
Michigan Pavement & Materials, Grand Rapids - Michigan, HMA Milling, Repaving and Overlay
ENG, Grand Haven, Michigan – Inspection and material testing
Month's Work: The paving contractor lowered manhole and gate valve castings at the beginning of the month. Milling work and paving was completed in the Lakeview, Lakeshore, Baker, First and Second Street neighborhood and milling completed in the Getz, Rood, Sternberg and Rousell neighborhood.
Funding: MRF and Capital Improvement Funds
Project Start: July 8, 2019
Estimated Finish: Late September 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: Staff and Consultant continued to meet and work on final plans for the MDOT letting.
Funding: MDOT Local Bridge Funds with local match
Estimated 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.
Consultant: City Staff
Contractor: Severence Electric, Kalamazoo, Michigan
Month's Work: Staff worked with Severence Electric of Kalamazoo on a schedule and MDOT paperwork. A preconstruction meeting was held on July 11th. Work is scheduled to start in August.
Funding: Capital Improvement Funds
Estimated Start: August 5, 2019
Estimated Finish: September 6, 2019

MDOT Railroad Inventory:

Limits: All Railroad Grade Crossings under City's jurisdiction.
Description: Two-year informational update of the City's existing railroad grade crossing as prescribed by State.
Contractor: To be Determined.
Month's Work: City worked collecting traffic data and roadway classifications for the railroad crossings under its jurisdiction and once completed, submitted the data to the MDOT.

2019 Cured In-Place Pipe (CIPP) Sewer Project:

Limits: Various locations throughout the city.
Description: Replacement of existing sewer at Ellis Road near Stariha Drive, CIPP Lining of Forest Park Road sewer near Stryker Drive and CIPP Lining and shortening of Force Main along McCracken Sewer between Castle Court and railroad tracks to improve service and function of the system.
Consultant: City Staff
Contractor: Jackson-Merkey Contractors, Muskegon, Michigan
Month's Work: There is no exact schedule set yet for the Cured in Place (CIPP) work, but the Ellis Road sewer replacement was completed in late July.
Funding: Sewer Funds
Estimated Start: July 15, 2019
Estimated Finish: Summer 2019

2019 Water Main Project:

Limits: Various locations throughout the City.
Description: Replacement of existing or placement of new water mains to improve service and function of the system.
Consultant: Fleis & VandenBrink, Muskegon, Michigan
Contractor: To be determined

Month's Work: City staff continued to work with Fleis and VandenBrink on the project design, obtaining additional as-built information and follow-up with questions. Preliminary plans for the work on the portion of the project to be done in 2019 were submitted to the City in late July and are currently being reviewed.

Funding: Water Funds

Estimated Start: Late Summer 2019

Estimated Finish: Fall 2020

Airline Bridge Rehabilitation:

Limits: Airline Road between Shettler Road and Getty Street.

Description: Preventative maintenance and repairs to the bridge joints, deck, and piers.

Consultant: Fleis & VandenBrink, Grand Rapids, Michigan

Contractor: To be determined

Month's Work: City staff worked with the engineer on obtaining as-built information and design questions.

Funding: MDOT Local Bridge Funds with local match

Estimated Start: Spring 2021

Estimated Finish: Summer 2021

Bridge and Street Asset Management Plan:

Limits: City Wide

Description: Asset management plan for both city bridges and roadways per state requirements.

Consultant: City Staff

Month's Work: City Staff has completed the preliminary bridge asset management plans and worked on the street PASER ratings for the roadway asset management plans. Staff was in communication with the State's TAMC manager to review both documents prior to finalization and submission for review.

Funding: Street Funds

Project Start: June 1, 2019

Estimated Finish: October 31, 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: Requests for additional field data collection for speed studies on multiple streets were submitted to the Streets Division who is currently collecting the requested data. New studies will be performed based on this collected data in the fall.

Major Private or Other Projects:

<u>Project:</u>	<u>Address:</u>	<u>Developer/Owner:</u>
Blue Water Group	Grand Haven Road	Blue Water Group
Fran Lake Development	Harvey Street	David C. Bos Homes
Eastowne Development	Seminole Road	Redstone Development
Churchill Athletic Field Drive	Porter Road	West Michigan Storm
Blue Photon	Porter Road	Blue Photon

PLANNING

Staff did not have any applications for the Planning Commission in the month of July. Staff reviewed and presented a variance request for a new home on Lakeshore Blvd., which was unanimously approved by the Zoning Board of Appeals.

Zoning Ordinance violations for July 2019 dealt primarily with vehicle parking in front yards and fence violations.

Construction activity for July 2019 saw staff approving 26 site plans for signs, commercial additions and a new building, as well as residential construction (fences, sheds, additions, etc.)