

AGENDA 10a 3
DATE 10.20.20

DEPARTMENT OF PUBLIC WORKS

CITY OF NORTON SHORES

MONTHLY REPORT

September – 2020

PUBLIC WORKS

The Public Works Department responded to three after-hours emergency calls and two business hours emergency calls during the month of September; including four lift station alarm calls and one Streets call.

WATER & SEWER

Water and Sewer crews installed seven water services (56 year-to-date) and inspected four sewer connections (18 year-to-date) during the month of September. Comparatively, a total of six water services (12 year-to-date) had been installed and four sewer connections (30 year-to-date) had been inspected during FY-2020.

Water and Sewer personnel repaired two curb stops (12 year-to-date), tested 43 large meters (72 year-to-date), flushed 1600 hydrants (1707 year-to-date), winterized 318 hydrants (328 year-to-date) during FY-2021. Personnel performed seven ground restorations (25 year-to-date) and took eight construction samples (14 year-to-date) for our current development projects. Our annual Cross Connection Inspection program has continued with a total of 136 inspections (220 year-to-date) completed thus far. Water and Sewer personnel performed re-inspection of the HMA/HIP road projects.

Water and Sewer personnel removed a lead service at 3017 Fairfield. This service became incomplete some years ago, meaning the owners portion was removed/demolished and the City kept the service for future use. Crews became aware of this service from water bubbling in the road from the broken galvanized piping.

Water and Sewer office personnel have processed 4,348 billings (monthly, final, past-due) for the month of September. Crews completed and office staff processes 233 work orders (ranging from final reads to high water usage).

STREETS & DRAINAGE

City crews responded to 259 staking requests.

Thirteen sign work orders were completed for the replacement of thirteen regulatory signs.

Major and Local Streets

The pavement preservation program continued with the crack sealing operation finishing several streets across the City. Road edge maintenance continued with adding aggregate to the HIP/HMA roads. Gravel roads were graded, the third brining of the season was started and several washouts were repaired. Leaf sites were both cleaned and opened for the fall season.

Drainage work included installing a storm water leeching basin on Dunecrest Drive to alleviate the water runoff onto personal property. The installation of a driveway culvert on Judson was completed. Also, several drains were cleaned of debris. Street sweeping was completed as needed.

The McCracken sewer lift station parking area and sidewalk were repaired due to a car/power pole accident. A few asphalt spill ways were built to redirect storm water to the drains and alleviate road side erosion. Several asphalt road repairs were done due to the increase in City water hook ups. The Hendrick Storm Collection Area was finished with 101 sumps cleaned and roughly 21 yards of debris removed.

Sign work included multiple signs and delineators being replaced due to damage and deterioration. School speed limit ends signs were installed at all the schools. Traffic speed counts were finished for the year. Road side clean-up was done along with the removal of several dead animals. Garage floors, drains, and equipment were cleaned as time allowed.

Equipment

Equipment maintenance personnel completed 83 services/repairs in September. The fuel system dispensed 6,282 gallons of fuel in September. Public Works Department vehicles consumed 2,742.4 gallons during the month.

Miscellaneous

Norton Shores residents utilized the Muskegon County Solid Waste Facility with a total of 45 cars and 27 trucks monitored in September.

Leaf Sites

The total number of vehicles that were monitored using the Wood Road leaf site in September was 982.

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

- Roof replacement continued

Cemetery

- Graves Sold: 3
- Full body burial: 2
- Cremain burial: 8
- Raised headstones that were sinking into the ground
- Started leaf cleanup

DPW

- Replaced womens restroom door handle

ENGINEERING

HIP/HMA Overlay Project 2020 (FY21):

Limits: Various locations throughout the City.
Description: Surface Replacement and/or Rehabilitation of existing street surfaces at various locations throughout the City.
Consultant: City Staff
Contractor: Milling and Overlay: Michigan Paving & Materials, Grand Rapids, MI
Hot-in-Place Recycling: Gallagher Asphalt, Thorton, IL

Construction Engineering: OMM, Grand Rapids, MI
Month's Work: Casting continued to be adjusted for streets in this year's project. MPM's crews placed HMA overlay on the HIP streets and milled the existing pavement, repaired aggregate base where needed, and place leveling HMA pavement on the local streets.
Funding: Municipal Road Fund and Capital Improvement Fund
Estimated Start: July 7, 2020
Estimated Finish: Early October 2020

2020 Water Main Project:

Limits: Various locations throughout the City.
Description: Replacement of existing or placement of new water mains to improve the service and function of the system.
Part 1: The replacement and looping of existing 6-inch water main with new 8-inch ductile iron main in the existing Greisbach, Reneer & Arbor residential neighborhood, and the replacement (up-sizing) of the existing water main in Miller Street.
Part 2: The placement of a new 8-inch water main loop from the Mona Shores Middle School to Bonneville Drive, the placement of a new 12-inch water main loop between Pontaluna Road and Norton Pines Drive, and the replacement of existing cast iron water main with new 12-inch and 8-inch at Sheffield, Cleveland, and Fairfield Streets.
Consultant: Fleis & VandenBrink, Muskegon, Michigan
Part 1 Contractor: West Michigan Dirt Works, LLC
Part 2 Contractor: To be determined
Month's Work: The contractor worked on completing the restoration work and punch list items for this portion of the project. Several meetings between the contractor, consultant, and staff were held to follow up items that needed addressing. As for Part 2, City staff continued to work with Fleis & VandenBrink on the project design and plans. Legal easement descriptions were sent to affected property owners and we are awaiting responses.
Funding: Water Funds
Estimated Start: Part 1, May 1, 2020
Part 2, Spring 2021
Estimated Finish: Part 1, July 24, 2020
Part 2, Fall 2021

2020 Civil Bundle Project:

Limits: Various locations throughout the City.
Description: The work is a collection of various tasks that are being bundled into one project. The work includes storm sewer repairs on existing storm sewers located on Nina Lane, Wellesley Drive, Pontaluna Road and Grand Haven Road; repair of the storm sewer outfall on Grand Haven Road at Seaway Drive (US-31BR); cured in place pipe lining (CIPP) on existing storm sewers located on Reneer Avenue, Summit Avenue, Estes Street, Seminole Road, Broadway Avenue, and Manitou Blvd; sidewalk construction along Henry Street from the existing sidewalk on Porter Road to Cedarwoods Trail and along Grand Haven Road from the existing sidewalk at Airport Road to Hidden Cove; CIPP of existing 1,400-foot of 24-inch concrete sanitary sewer interceptor at Hoyt Street and Seaway Drive and sanitary sewer service wye rehabilitation at 30 locations throughout the city.
Consultant: Prein & Newhof, Norton Shores, MI
Contractor: To be determined

Month's Work: City staff continued its work with the consultant in gathering as-built plans, lift station data, and field survey work for this project.
Funding: Multiple Funds
Estimated Start: Fall 2020
Estimated Finish: Summer 2021

Airline Bridge Rehabilitation:

Limits: Airline Road Bridge over Little Black Creek 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 continued to work with the engineer and MDOT on this project. Additional traffic counts were performed by the City and supplied to the Consultant.
Funding: MDOT Local Bridge Funds with a local match
Estimated Start: Spring 2021*
Estimated Finish: Summer 2021*

** Please note that with the current highwater situation in Lake Michigan affecting water levels on Mona Lake and Little Black Creek at bridge location, this project may need to be postponed to allow water levels to drop to perform the necessary work on the underside of the bridge deck and beams.*

Bridge, Street, and Compliance Asset Management Plan:

Limits: City Wide
Description: Asset management plan for both city bridges and roadways per state requirements.
Consultant: Prien & Newhof, Norton Shores, MI
Month's Work: City staff worked with P&N on a new format for Asset Management plans to be submitted by October 1, 2020.
Funding: Street Funds
Project Start: June 1, 2020
Estimated Finish: October 2020

Atwater Development, Harvey Street and Judson Road Sanitary Sewer:

Limits: Harvey Street, Wilson Road to Judson Road and Judson Road, Harvey Street to Norton Pines (west of US-31)
Description: Installation of gravity sewer along Harvey Street between Wilson Road and Judson Road, construction of a sanitary sewer lift (pump) station at the intersection of Judson and Harvey and sanitary sewer force main along Judson Road from Harvey Street to existing sewer just west of cul-de-sac near Norton Pines.
Consultant: Utility/Site Design: Nederveld, Holland, MI
Lift Station Design: Vriesman & Korhorn, Bryon Center
Construction Engineering: Westshore Consulting, Muskegon, MI
Contractor: West Michigan Dirt Works, Fruitport, MI
Month's Work: Work continued on the sanitary sewer force main continued along Judson Road. The installation of dewatering pumps, placement of the sanitary sewer mains and services began on Harvey and Judson Street. The on-site water main work was also completed and testing was performed in July. September continued working on the storm, water services, and site grading for the development

portion of the project. Work along Harvey Street sanitary sewer is scheduled to continue in September.

Funding: Sewer Funds.
Project Start: June 22, 2020
Estimated Finish: November 2020

Seminole Road Reconstruction, Phase 1, and Phase 2:

Limits: Henry Street to Seaway Drive
Description: Road Reconstruction, water main replacement, streetscape.
Consultant: ENG, Inc of Grand Haven, MI
Contractor: To be determined
Month's Work: ENG continued to work on the GI Plans for the first phase of the work (Henry to Part). GI plans and programming was submitted to MDOT. A GI was scheduled to be held with all affected parties on October 8th. Staff met with Comcast regarding their utilities in the ROW. An additional three grading easements were obtained for driveway work and other easements locations were determined. Additional design and permit work started.
Funding: STIP Funds with local match and Regional Water Funds.
Estimated Start, Phase 1: Spring 2021
Estimated Finish, Phase 1: Summer 2021
Estimated Start, Phase 2: Spring 2022
Estimated Finish, Phase 2: Summer 2022

Sheffield Pump Station & Henry Street Sewer Study:

Limits: Sheffield Pump Station
Description: Replacement of existing pump station at Sheffield and feasibility study and possible removal of Henry Street Pump Stations and related sewer main work.
Consultant: Phase 1: Prein & Newhof, Muskegon, MI
Phase 2: Fleis & VandenBrink, Muskegon MI
Contractor: To be determined
Month's Work: Provided requested as-built information to the Consultant. This work will be coordinated with the 2020 Water Project, Part 2 to help with cost savings.
Funding: Sewer Funds.
Estimated Start: Spring 2021
Estimated Finish: Summer 2021

Major Private or Other Projects:

<u>Project:</u>	<u>Address:</u>	<u>Developer/Owner:</u>
Chick-Fil-A	Harvey Street	Private
Earthtronics	Airport Place	Private
Mona Shores Public Schools	Varies Locations	Mona Shores Public Schools
Smart Vision Expansion	Robert Hunter Drive	Private

PLANNING

During the month of September, the Planning Commission and the Zoning Board of Appeals did not meet due to lack of business.

Zoning Ordinance violations for September dealt with parking in yards.

Construction activity for September saw staff approving 14 site plans for fences and sheds along with an additional 17 site plans for other residential and commercial construction including decks, additions, pools, etc. Between the zoning and building permits there was a total of 31 reviewed and administratively approved site plans by the City Planner during the month.