AGENDA 6a3
DATE 9.15.20

DEPARTMENT OF PUBLIC WORKS

CITY OF NORTON SHORES

MONTHLY REPORT

August – 2020

PUBLIC WORKS

The Public Works Department responded to 12 after-hours emergency calls and two business hours emergency calls during the month of August; including eight lift station alarm calls, one Water & Sewer call, three Streets calls and two Miss Dig calls.

WATER & SEWER

Water and Sewer crews installed 17 water services (49 year-to-date) and inspected five sewer connection (14 year-to-date) during the month of August. Comparatively, a total of one water service (6 year-to-date) had been installed and 15 sewer connections (26 year-to-date) had been inspected during FY-2020.

Water and Sewer personnel repaired one curb stop (10 year-to-date), tested 27 large meters (29 year-to-date), flushed 107 hydrants (107 year-to-date), winterized 10 hydrants (10 year-to-date) during FY-2021. Personnel performed 11 ground restorations (18 year-to-date) and took eight construction samples (14 year-to-date) for our current development projects. Our annual Cross Connection Inspection program has started with a total of 84 inspections (84 year-to-date) completed thus far. Crews updated two (2) distribution sampling stations to new stainless-steel ones for our weekly checks. The old cast iron sample stations were consistently being repaired. The parts were becoming obsolete and expensive. Crews assisted Wood Trucking in the renovations being performed on the domestic services at the Mona Shores elementary schools. Hidden Cove apartments private water main broke under the creek. The City assisted in continuing to supply water to the units along with mandating the contractor to follow the same guidelines as if the water main were public for the safety of our residents. They chose to replace the entire portion of pipe under the creek which required sampling and pressure testing. All has passed and the complex is back to normal.

Water and Sewer personnel have collected and submitted the EGLE mandated Stage II Disinfectant Bi-Product samples (DBPR). Crews have also collected all 30 Lead and Copper samples required by EGLE. Once the results are provided, they will be submitted to the State for their records. The Lead and Copper sampling requires homeowners to take the samples after their water has sat within their pipes for a minimum of 6 hours without use. Because we ask this of the residents that meet the requirements, the City is providing them a $50 credit on their utility bill if they chose to participate.

Water and Sewer personnel had 2195 Reneer and 3112 McCracken can station floors epoxied. This has proven to help prevent the steel floors from rust and deterioration. Kennedy Industries has installed two new radar units at our 1175 Seminole and 1797 Seminole stations. The old bubbler systems were becoming obsolete and no longer cost effective to maintain. These radar units have proven to be less maintenance and more accurate.

Water and Sewer office personnel have processed 3,022 billings (monthly, final, past-due) for the month of August. Crews completed and office staff processes 193 work orders (ranging from final reads to high water usage).

STREETS & DRAINAGE

City crews responded to 271 staking requests.

Fifteen sign work orders were completed for the replacement of fifteen regulatory signs.

Major and Local Streets

The month of August the pavement preservation program continued with the crack sealing operation finishing several streets across the city. Several sections of sidewalk were removed and replaced due to poor conditions and trip hazards along Porter Road. The new school zone flashing lights were installed for Churchill School. Gravel roads were graded as needed. Green Street was reshaped to help alleviate the water shed away from the property owners. Several soft spots were addressed on Mt. Garfield Road. Several yards of gravel was added to Eastlake Drive hill and shaped to help with washout issues.

Traffic counts and bridge volume counts were done throughout the city. Street sweeping was done as needed to collect debris from storm sewer inlets. The City of Roosevelt Park was also swept. Sign work included speed changes on the several streets. Several signs were replaced due to deterioration and damage. The three way stop at Applewood Drive was replaced with a single stop sign for west bound traffic.

The storm drain district cleaning continued with the Hendrick district where 134 storm sumps were cleaned with roughly 32 yards of debris being removed. Numerous drain covers were cleaned throughout the city. Tree trimming continued and concentrated on visual complaints throughout the city. Roadside mowing and weed whipping continued along guardrails, intersections, and road side ditches. Equipment and garage cleanup was done as needed when time allowed.

Equipment

Equipment maintenance personnel completed 57 services/repairs in August. The fuel system dispensed 6,629 gallons of fuel in August. Public Works Department vehicles consumed 2,630.9 gallons during the month.

Miscellaneous

Norton Shores residents utilized the Muskegon County Solid Waste Facility with a total of 43 cars and 36 trucks monitored in August.

Leaf Sites

The total number of vehicles that were monitored using the Wood Road leaf site in August was 1,325.

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 began
- Had Water and Sewer Division repair main water shut off at City Hall

Library

- Roof project almost complete, waiting on steel to finish

Cemetery

- Graves Sold: 12
- Full body burial: 1
- Cremain burial: 8
- Raised headstones that were sinking into the ground

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:	Late September 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-feet 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:	On-site work for the development was completed in August. Public notices for the public phase of the work were sent out to affected residents and the public. Work on the sanitary sewer force main was started along Judson Road began the week of the 24th and dewatering was installed for the start of the gravity sewer along Harvey Street. The roads were closed to thru traffic on the 31st of August. August will be spent working on the storm, water services, and site grading for the development portion of the project. Work along Harvey Street and Judson Road sanitary sewer is scheduled to start in September.
Funding:	Sewer Funds.
Project Start:	June 22, 2020
Estimated Finish:	Late Summer 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). Staff met with Comcast regarding their utilities in the ROW. The first 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:

Project:	Address:	Developer/Owner:
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 August 2020, the Planning Commission and the Zoning Board of Appeals did not meet due to lack of business.

Zoning Ordinance violations for August 2020 dealt with parking in yards and fences.

Construction activity for August 2020 saw staff approving 14 site plans for fences and sheds along with an additional 22 site plans for other residential and commercial construction including decks, additions, pools, etc. Between the zoning and building permits there was a total of 36 reviewed and administratively approved site plans by the City Planner during the month.