

AGENDA 7a(3)
DATE 9-17-19

DEPARTMENT OF PUBLIC WORKS

CITY OF NORTON SHORES

MONTHLY REPORT

August – 2019

PUBLIC WORKS

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

WATER & SEWER

Water and Sewer crews installed one small and 0 large water services (6 year-to-date) and inspected 15 sewer connections (26 year-to-date) during the month of August. Comparatively, a total of one water service (2 year-to-date) has been installed and four sewer connections (7 year-to-date) have been inspected during FY-2019.

Water and Sewer personnel repaired two hydrants (3 year-to-date), collected 14 construction bacteriological samples (14 year-to-date), and performed three ground restorations (5 year-to-date) and during FY-2020. Crews have replaced nine large meters that range from 1.5 to 3 inches (28 year-to-date). These meters were changed from either failed testing reports or age. Crews, with assistance from Jackson Merkey Contractors, Inc., repaired a 12-inch water main break on Henry St. and Seminole Rd. (2 year-to-date). Crews witnessed and inspected all parts of the Broadway phase II water main project. This water main is approved and in service. Giant Maintenance has started the hydrant painting program. The City has inspected a number of these for approval and they have all passed.

Water and Sewer personnel cleaned 36,384 feet (62,762 feet year-to-date) of mainline sewer. Crews assisted Fruitport Township in cleaning their sanitary lift stations for the year. The City also inspected all castings for the HMA/HIP road projects for approval.

Water and Sewer personnel have processed 3,039 billings (monthly, final, past-due) for the month of August. Crews completed 283 work orders (ranging from final reads to high water usage). Personnel processed and gathered information for the start of 2019's Cross Connection program.

Henry St / Seminole Rd Water Main Break





STREETS & DRAINAGE

City crews responded to 228 staking requests.

Four sign work orders were completed for the repair/replacement of three regulatory signs, and the installation of one new street sign.

Major and Local Streets

Streets Division employees continued with the Pavement Preservation Program by crack sealing Seminole Rd., from Henry St. to Lake Harbor Rd., and dura patching several roads within the City. The Streets Department worked diligently to repair Henry St. after the water main break. While Henry St. was closed Streets employees took the opportunity to replace five damaged sections of sidewalk and repair several storm water catch basins. Road shoulder work began for the HMA roads by using topsoil and slag as needed.

Street sweeping continued with sweeping curb and gutter drains throughout the city. A storm manhole was repaired on Mt. Garfield Rd. Two separate sink holes were repaired on Sternberg Rd. A sub drain sink hole was repaired on Crosswinds. Numerous drains were cleared of debris throughout the city.

Gravel roads were graded and gravel was added as needed for repairs and was also brined for dust control. Leaf sites were pushed up as needed. Tree trimming continued and visibility complaints were addressed with several branches being chipped and cleaned up after recent storms. Road side mowing continued for the month of August.

Barricades were set out for the Arts & Drafts 5K run. Grab cones and no parking stakes were set up for Mona Shores football game. Equipment/garage cleanup was completed as needed when time allowed. Road side cleanup was completed with numerous amounts of trash and debris removed.

Equipment

Equipment maintenance personnel completed 80 services/repairs in August. The fuel system dispensed 7,289.8 gallons of fuel in August. Public Works Department vehicles consumed 3,327.4 gallons during the month.

Miscellaneous

Norton Shores residents utilized the Muskegon County Solid Waste Facility with a total of 41 cars and 40 trucks monitored in August.

Leaf Sites

The total number of vehicles that were monitored using the Wood Road leaf site in August was 1,584.

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

- Delivered and set up voting equipment to 9 locations
- Washed windows
- Logo mats for City Hall were delivered

Library

- Washed windows
- Replaced broken front glass door

Cemetery

- Graves Sold: 2
- Full body burial: 0
- Cremain burial: 3
- Foundations installed: 4
- Removed all decorations not in urns per cemetery rules

DPW

- Had Streets Department put gravel at end of driveway to fill in large pothole

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 continued along Broadway with the completion of the new 16-inch water main. The main passed its tests and was placed into service and the old main abandoned. Water services were transferred between the old main and the new and work started on the installation and improvements to the storm sewer.
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:	The necessary paperwork was completed and submitted to the railroad (agreements, insurance forms and final permits) for their review early in the month. Work for the Padelt Street Sidewalk was completed during August so as to be ready for the start of school in September.
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 Ashaplt, 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 completed the work on the mill and fill portion of the contract in August. Spot milling for the roadways to be treat with Hot-in-Place (HIP) recycling was done early in the month and the HIP work has been completed. Weak spots in the HIP surfaces were repaired and the top course is scheduled to be placed in September.
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 on the placement and installation of the sidewalk, crosswalk pavement marking and flashing signs. Work was completed before the start of school.
Funding: Capital Improvement Funds
Estimated Start: August 5, 2019
Estimated Finish: August 30, 2019

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: The Cured in Place (CIPP) work was completed in the last week of August for both Forest Park Road and McCracken Street. Relocation of the force main along McCracken still needs to be completed.

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 continues to work with Fleis and VandenBrink on the project design and preliminary plans for the work on the portion of the project to be done in 2019 were reviewed.
Funding: Water Funds
Estimated Start: Fall 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 continued to work with the engineer and MDOT on this project.
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 obtained the PASER ratings for the roadway asset management plans that was completed in July.
Funding: Street Funds
Project Start: June 1, 2019
Estimated Finish: December 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 reviewed and sent two Special Use requests to the Planning Commission, as well as one land division. One for a new daycare center, while the other was for a general industrial facility on Porter Road. All three projects received unanimous approval recommendations from the Planning Commission and were ultimately approved by City Council.

The regularly scheduled Zoning Board of Appeals meeting was rescheduled due to a public notice error. Staff rescheduled the meeting for Wednesday September 4th. Zoning Ordinance violations for August 2019 dealt primarily with fences.

Construction activity for August 2019 saw staff approving 32 site plans for signs, commercial additions and a new building, as well as residential construction (fences, sheds, additions, etc.)