



Staff Report

Report Title: Transportation September 2023

Prepared By: John Yungblut, C.E.T., Director of Public Works

Department: Public Works

Date: Sep. 18, 2023

Report Number: PW-2023-09-47

File Number: C11 PW23

Attachments:

Recommendation:

THAT the Township of Huron-Kinloss Council hereby receives for information, Report Number PW-2023-09-47, prepared by John Yungblut, Director of Public Works.

Background:

North Point Clark Drainage Master Plan

Township staff, along with our engineers, BM Ross and Associates, have initiated a Municipal Class Environmental Assessment for the northern portion of Point Clark between Clark Creek and the Pine River. The initial public consultation period concluded on June 9, 2023.

Township staff and our hydrogeologist installed five groundwater monitoring wells at various locations within the study area on Aug. 24th and 26th, which will be used to measure the water table elevation.

SVCA installed the weather monitoring station at the Point Clark Community Centre on Aug. 27th.

Township staff will be sending out notices to all landowners in the study area regarding an open house that is scheduled for Sunday Oct. 29, 2023 at the Point Clark Community Centre. The event will include a short presentation and an opportunity for residents to discuss the project with Township staff and engineers.

Asphalt Paving

The paving of hot mix asphalt on Con. 10 (Sideroad 20 to Bruce Road 7), Lake Range Dr. (Ashfield-Huron Townline to 200m north) and Finlay St. was awarded to Lavis Contracting Co. Ltd. on May 15, 2023.

The pulverizing of Con. 10 was completed on July 4th and paving was scheduled for late August, however, we have been informed that has been delayed until mid September.

Topcoat paving of Finlay St. was expected to be completed by mid July, however, this has been delayed and our contractor is planning to complete this work after Con. 10 paving is complete.

Culvert Replacements

Public Works have now identified eight culvert locations that are need of replacement.

A 900mm dia. culvert on Con. 10 was replaced in May, a 450mm dia. culvert on Sideroad 20N between Bruce Road 6 and Con. 10 was replaced on June 21st and a 600mm dia. culvert on Hayes Lake Ave at the Bushell St. intersection was replaced on June 27th. Two 450mm dia. culverts were installed on Paradise Lake St. along with ditch improvements on Aug. 29th.

Public Works is planning to replace a 450mm dia. culvert on Bushell St. and a 450mm culvert on Paradise Lake St. during the week of Aug. 29th. A culvert on Lake Range Dr. near Tout's Grove Hill will be delayed until next year because the other culverts have the potential to cause significant road damage if they are not replaced this year.

Tanglewood/Ridgewood Reconstruction (Point Clark)

The reconstruction of Tanglewood Dr., Ridgewood Rd and Jardine Pl and the construction of the Menomoni-Sunset Pl walking path was awarded to Omega Contractors Inc. on April 17, 2023.

Construction began on July 24th with the installation of a temporary watermain system. The contractor is expecting to complete the installation of watermain, storm sewers and granular road base on Tanglewood Dr. by Sept. 1st.

They began the installation of watermain and storm sewers on Ridgewood Road during the week of Sept. 4th.

The completion date for this year's work is Oct. 20, 2023 and topcoat paving is Sept. 20, 2024.

Pavement Preservation

A contract for the application of Bonded Wearing Course on Con. 4 from Bruce Rd 7 to Highway 21 and Con. 8 from Highway 21 to Lake Range Dr. was awarded to Walker Construction on Aug. 21, 2023.

Township staff have been informed that this project is expected to be completed in early October.

Lakeshore Tree Trimming

With the recent arrival of the boom mower that was purchased earlier this year, Public Works has been trimming back trees that are encroaching onto roadways. We expect the work will be completed by mid September.

South Kinloss Ave Road Repair

Each spring the section of South Kinloss Ave located east of Whitechurch St. experiences soft road conditions through a wetland area. Because the Culross-Turnberry Townline located to the east is a non-winter maintained road, residents must cross this area to access their properties in the early spring.

Public Works is planning to apply a geotextile layer over a 300m section of the road to provide a stable road surface in all weather conditions and replace a deteriorated 900mm dia culvert in the same area. This design was constructed in another section on South Kinloss Ave between Paradise Lake St. and Langside St. in 2022 and resulted in a very firm road surface this spring.

This project is expected to begin on Sept. 18th and will result in a full road closure for four days. Township staff are currently in contact with the Municipality of South Bruce and the Municipality of Morris-Turnberry to establish a suitable detour route for Huron-Kinloss residents located east of the work area, which will have to travel through a neighbouring municipality to access their property during this project.

Street Light Petition

On Aug. 17, 2023, the Township received a petition from residents in the Lurgan Beach area requesting the installation of a streetlight at the intersection of Lake Range Dr. and Bell Dr.

Discussion:

North Point Clark Drainage Master Plan

The purpose of groundwater monitoring is to determine if there is potential to include an infiltration gallery design as an alternative to constructing a storm outlet to Lake Huron, Clark Creek and the Pine River. This type of design is consistent with the low impact design concept that staff try to implement as much as possible.

Township staff are concerned that the high water level in the spring would result in a small amount of storage volume available to provide adequate drainage, but we think it's important to gather this information before we exclude it as a possibility.

Tanglewood/Ridgewood Reconstruction (Point Clark)

Construction is still progressing well so far. The contractor has not encountered any more groundwater or organic material than was anticipated, so we are not expecting significant extra costs for imported trench backfill material at this point.

Pavement Preservation

Letters explaining this project have been sent out to property owners within the project limits and traffic impacted is expected to be minimal.

Lakeshore Tree Trimming

Overall, Township staff is pleased with the result of the trimming work that has been done. We have had some issues with the mower tearing larger branches resulting in complaints from residents, but staff are planning to clean up these areas with pole saws. Going forward, this should be less of an issue because we can trim the new growth back on a regular basis and not allow branches to become large enough to result in tearing.

South Kinloss Ave Road Repair

This section of South Kinloss Ave has been a problem area for several years and we are expecting to have the same positive results as last year's project.

Street Light Petition

The petition displays clear support for a streetlight from the community and Township staff concur that improved lighting in this area is warranted and there are currently two hydro poles at the intersection, however, both poles do have challenges. The existing hydro pole at the northwest corner of the Lake Range Dr. and Bell Dr. intersection is further back from the road than is preferable to attach a streetlight arm, which result in the road not being properly illuminated. The existing hydro pole at the east side of the intersection is closer to the road, but it has a pole mounted transformer on the road side of the pole, so they may not be sufficient room to attach a streetlight arm.

Township staff will schedule a site meeting with our electrical contractor to determine if either location is feasible. If an existing pole can be used to attach a streetlight, then a new light should be able to be installed before winter. If a new pole needs to be installed, then this project may need to be delayed and proposed in 2024 budget deliberations, depending on the scope of work.

Financial Impacts

The North Point Clark Drainage Master Plan, Tanglewood/Ridgewood Reconstruction, asphalt paving and pavement preservation are included in the 2023 Capital Budget. Small culvert replacements, tree trimming and road repairs are included in the 2023 Operating Budget. The 2023 Capital Budget has allocated \$7,500 for the installation of new streetlights.

Strategic Alignment / Link:

We are an accessible community by being open and transparent.

We are a prosperous community that continues to grow in a sustainable manner by investing in infrastructure.

Respectfully Submitted By:

John Yungblut, Director of Public Works

Approved By:

Mary Rose Walden, Chief Administrative Officer