



Staff Report

Report Title: Transportation October 2023

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

Department: Public Works

Date: Oct. 2, 2023

Report Number: PW-2023-10-50

File Number: C11 PW23

Attachments: Public Meeting Notice, South Kinloss Ave Road Repair Photo

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby receives for information, Report Number PW-2023-10-50, 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 have sent 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. A copy of the notice is attached to this report. 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 and later delayed until mid-September, however, we have been informed that has been delayed once again until early October.

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.

Lavis is also planning to complete the top coat paving on Victoria St. and Wheeler St. in the vicinity of the water tower and at south end of Lake Range Dr. in the month of October.

Culvert Replacements

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 also replaced a 450mm dia. culvert on Bushell St. on Aug. 30th and a 900mm dia. culvert on South Kinloss Ave, east of Whitechurch St. on Sept. 18th.

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.

The new watermains on Tanglewood, Ridgewood and Jardine Pl have now been installed, tested and connected to the water distribution system. The installation of storm sewers and the construction of the road base is also complete.

The construction of concrete curb and gutter is expected to be completed by Oct. 6th.

The construction of the walking path from Menomoni Rd to Sunset Pl began during the week of Sept. 25th.

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 begin on October 3rd and finish on Oct. 16th. Letters have been sent to all property owners within the limits of the project.

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.

This road repair portion of this project began on Sept. 19th and was completed on Sept. 21st and we required a full road closure from Sept. 19th until Sept. 20th. Township staff collaborated with the Municipality of South Bruce and the Municipality of Morris-Turnberry to establish a suitable detour route for this project. A photo taken during this project is attached to this report.

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

Township staff continue to work with engineers to examine various options for provide drainage for the northern portion of Point Clark. During the public meeting, residents will have an opportunity to review the most viable options and provide comments.

Culvert Replacements

All the culvert project have been completed within one day and we haven't encountered an significant issues.

Since Public Works have had to replace more culverts this year than anticipated, we have decided to delay the replacement of a culvert on Lake Range Dr. near Tout's Grove Hill to 2024.

Tanglewood/Ridgewood Reconstruction (Point Clark)

Construction is still progressing well so far. We encountered a significant amount of organic material and stumps in the cul-de-sac area on Tanglewood Dr., but it did not have a major impact on the project budget.

We have seen delays in the mobilization of concrete contractors in recent road projects, but we are hoping that they will arrive soon so paving can be completed in reasonably good weather.

Pavement Preservation

Township staff met with representatives from Walker Construction and the only issue that may arise (beyond weather conditions) is the potential for debris left on the road now that harvest season is underway. It is critical that the existing surface is free of foreign materials to ensure proper adhesion of the product. Township staff will have equipment available to assist with the debris removal as required.

South Kinloss Ave Road Repair

The geotextile layer design used this year is the same as we used on another section of South Kinloss Ave between Paradise Lake St. and Langside St. in 2022 and resulted in a very firm road surface this spring. The section of South Kinloss Ave east of Whitechurch St. has been a problem area for several years and we are expecting to have the same positive results.

The completion of this project should prevent any section of South Kinloss Ave from becoming nearly impassable in rapid thaw events in the future. There is, however, a 500m section between Wolfe St. and Whitechurch St. that held up reasonably well in the spring of 2022, but was considerably worse in 2023. It should be noted that this section never deteriorated as severely as the sections that were repaired in 2022 and 2023, but Township staff are going to monitor this section to determine if this repair is necessary in the future. We have noticed that roads in wetland areas tend to become worse over time if the organic material is able to mix with the road base during spring thaw periods.

Street Light Petition

Township staff met with our electrical contractor to discuss various options for the installation of a new streetlight at the corner of Bell Dr. and Lake Range Dr. There are two existing hydro poles at this intersection, however, neither are good options for attaching a street light arm. The pole at the NW corner is too far from the road and the pole at the east side has a transformer that would prevent the arm from being install at an acceptable height.

We have requested a quote for the installation of a new pole on the east side of the intersection that would properly illuminate this intersection. Staff will review the quote to determine if the street light pole and arm can be covered in the 2023 budget.

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 diameter culvert replacements 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