



# The Corporation of the Township of Huron-Kinloss

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## Staff Report

**Report Title: Transportation Sept. 2024**

**Date: Sep. 4, 2024**

**Report Number: PW-2024-09-37**

**Department: Public Works**

**File Number: C11 PW 24**

**Prepared By: John Yungblut, Director of Public Works**

**Attachments: OPSD 351.010, 928 Tanglewood Photo, 926 Tanglewood Photo, 928 Tanglewood Letter, 926 Tanglewood Email**

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### **Recommendation:**

THAT the Township of Huron-Kinloss Committee of the Whole hereby receives for information Report PW-2024-09-37 prepared by John Yungblut, Director of Public Works.

### **Background:**

#### Asphalt Paving

The 2024 hot mix asphalt paving program was awarded to Lavis Contracting on May 20, 2024. The scope of work included pulverizing and paving of Con. 2 from Bruce Rd 7 to Sideroad 5, Lake Range Dr. hill in Point Clark (west of Con. 4) and padding of Grey Ox Ave from Bruce Rd 1 to the Huron-Kinloss Townline. There was also carry over work from 2023 that included the milling and paving of the surface asphalt on Lake Range Dr. from Ashfield-Huron Townline north 200m.

The surface paving on Lake Range Dr. was completed on May 17<sup>th</sup> and asphalt padding on Grey Ox Ave was completed on June 17<sup>th</sup>. The pulverization of the existing pavement on Con. 2 was completed from June 24<sup>th</sup>-25<sup>th</sup>. Gravel resurfacing on Con. 2 was completed during the week of Aug. 12<sup>th</sup> and fine grading began on Aug. 30<sup>th</sup>. Paving is scheduled to be completed by Sept. 6<sup>th</sup>.

The section of Lake Range Dr. west of Con. 4 is scheduled to be paved once the installation of catch basins and storm sewers is completed to address road drainage issues at the Lake Range Dr. and Alice St. intersection. The storm sewers were installed during the week of Aug. 26<sup>th</sup>.

#### Wheeler and Outram St. Reconstruction

The tender for the reconstruction of Wheeler St. from Inglis St. to Havelock St. and Outram St. from Wheeler St. to Hamilton St. and the rehabilitation of structure L1 on Ludgard St. and L3 on Wheeler St. was awarded to Lavis Contracting on May 15, 2024 and construction began on July 16, 2024.

The new watermain and services on Wheeler St. between Inglis St. and Outram St. were connected to the existing system and the testing of the watermain between Outram St. and Havelock St. began Aug. 19<sup>th</sup>.

New storm sewer installation is in progress and the Wheeler St. Bridge (L3) rehabilitation work began during the week of Aug. 12<sup>th</sup>.

#### Point Clark Drainage Master Plan

The Municipal Class Environmental Assessment (Class EA) process to develop a plan for providing a stormwater system in the northern area of Point Clark was initiated in 2022. Public input was requested on Aug. 31, 2022 and the first public meeting was held on Oct. 29, 2023.

The second and final public meeting was held on Aug. 24, 2024 from 9am-11am at the Point Clark Community Centre. The presentation can be found at <https://haveyoursayhk.ca>

Our consulting engineer, B.M. Ross and Associates is scheduled to make presentation to Council on Oct. 21, 2024.

#### Emergency Road Closed Trailers

Township staff received two quotes for the purchase of two road closed trailers:

<b>Bidder</b>	<b>Amount (not incl. HST)</b>
Cedar Signs Inc.	\$14,640
Stinson-Ramudden	\$14,750

The trailer was purchased from Cedar Signs and was delivered on Aug. 22<sup>nd</sup>.

#### Winter Sand Tender

Township staff issued Request for Tender PW2024-08-02 for the procurement of winter road sand for the 2024-2025 and 2025-2026 winter seasons. The tender pricing is based on the supply and delivery of 3,000 tonnes of sand annually for a total of 6,000 tonnes. The closing date was Aug. 22, 2024, with the following bids received:

<b>Bidder</b>	<b>Amount (not incl. HST)</b>
Johnston Bros. (Bothwell) Ltd.	\$89,600
Wesley Riley Contracting Ltd.	\$104,000

All bids were deemed to be compliant with the tender documents and the tender was awarded to Johnston Bros. (Bothwell) Ltd.

## South Kinloss Snow Plow Contract

Township staff issued Request for Tender PW2024-08-01 for the procurement of winter maintenance services on Township roads in the southern area of the former Kinloss Township for the 2024-2025 winter season. The tender pricing is based on a per hour rate for snow plowing and a daily standby fee that is payable from Nov. 1<sup>st</sup> until April 30<sup>th</sup>.

One bid was received:

<b>Bidder</b>	<b>Standby Rate (not incl. HST)</b>	<b>Snow Plow Rate (not incl. HST)</b>
Lloyd Collins Construction Ltd.	\$120/day	\$160/hr

The bid was deemed to be compliant and the contract has been awarded to Llyod Collins Construction.

### 928 Tanglewood Dr. Driveway Grade

Township staff received the attached email from the owner of 928 Tanglewood Dr. regarding concerns with the grades of their driveway as a result of the Tanglewood Dr. reconstruction project, which was completed in 2023, and topcoat paving was completed earlier this summer. This was the second phase of a two phase project that began in 2020 with the reconstruction of Woodhaven Rd and a portion of Tanglewood Dr. The same road design were used for both phases.

In April 2024, Township staff were informed by this resident that they were unable to park their float trailer in their driveway because of the driveway and road grades (see attached photo). After topcoat paving was completed, we were informed that they were also unable to access the street with their large recreational vehicle (RV).

The existing road was significantly narrower than current Township standards, so the edges of the road had to be lowered in order to provide proper road drainage, which is very common in urban street reconstruction projects. When residential driveways are restored in urban areas, our engineers follow Ontario Provincial Standard Drawing (OPSD) 351.010, which is attached to this report.

Our engineers surveyed the restored driveway and found that the grade of the driveway at 928 Tanglewood was restored to 7.4% slope, which is less than the 8% max that is suggested in OPSD 351.010. Nevertheless, we have looked at some options to provide a flatter approach coming of the curb and we are working on scheduling this work with a contractor.

### 926 Tanglewood Dr. Driveway Grade

Township staff received the attached email from the owner of 926 Tanglewood Dr. regarding concerns with the grades of their driveways as a result of the Tanglewood Dr. reconstruction project.

The owner of 926 Tanglewood had not contacted the Township before the attached email was received, so we have not had an opportunity to look into this issue in enough detail to determine if any modifications to the restored driveway are warranted.

Based on follow-up communication with the resident, it appears that they have a Dodge Challenger sports car with a lip spoiler that comes in contact with the driveway surface when they drive over the curb.

Township staff have surveyed this driveway and found that the restored driveway has a 7.8% slope, which is slightly less than the 8% maximum grade that is specified in OPSD 351.010. This existing driveway was found to have a grade of 4.6%.

### Sidewalk Repairs

Township staff requested quotes for sidewalk repairs in Lucknow and Ripley and received the following bids.

<b>Bidder</b>	<b>Amount (not incl. HST)</b>
Gary Moulton Construction	\$20,907.27
C&M Construction	\$29,227.50

The project was awarded to Gary Moulton Construction. Work began in Ripley on July 2<sup>nd</sup> and in Lucknow on July 31<sup>st</sup>.

All the repairs are scheduled to be completed by Aug. 30<sup>th</sup>, except for the replacement of the sidewalks on Queen St. through the main entrance to the Ripley-Huron Community Centre, which is scheduled for September.

### **Discussion/Analysis/Overview:**

#### Asphalt Paving

Township staff are pleased with the results of the paving work completed so far. We are still expecting to fit in the paving of Lake Range Dr., west of Con. 4, however, there is the possibility that the paving work could be deferred to next year.

#### Point Clark Drainage Master Plan

The event was well attended with approximately 90 people in attendance. We will be gathering feedback and making considerations in the final report as required.

#### Wheeler and Outram St. Reconstruction

Work is progressing well with no significant issues that will affect the budget or schedule have been encountered so far.

#### South Kinloss Snow Plow Contract

Lloyd Collins Construction has plowed this route for many years and we have been satisfied with their performance. The bid price includes a small increase from the 2023-2024 standby rate of \$100/day and hourly rate of \$150/hr. The amount paid

through this contract will vary from year to year depending on the frequency of snow plow call outs.

#### Point Clark Drainage Master Plan

The second meeting is intended to provide an update on the information that has been collected since the second meeting and some potential solutions that have been identified.

A Council presentation will be scheduled this fall to provide a summary of the findings and some recommended projects.

#### Winter Sand Tender

Township staff are pleased to see the price of sand appears to have stabilized. The contract value increased 60% between 2020 and 2022 and the increase in 2024 is under 2% when compared to the 2022 bid amount, which was \$88,100.

It should be noted that the amount of sand and salt purchased varies from year to year, depending on the weather, so the 3,000 tonnes used for tendering purposes is just a projection. Milder winter weather generally results in the use of more salt and sand.

#### 928 Tanglewood Dr. Driveway Grade

In the opinion of Township staff, we do not have any obligation to make changes to the restored driveway grade at this property, however, upon inspection of the situation, Staff feel that the transition from the restored driveway to the existing driveway should have been more gradual, so we are looking at design options to improve this.

We expect that the proposed driveway grades will help with the float trailer, but due to the considerable length of the RV, we are less confident that there is anything that can be done to prevent that vehicle from contacting either the road or driveway surface.

#### 926 Tanglewood Dr. Driveway Grade

Similarly to 928 Tanglewood, Staff do not believe we have an obligation to make changes to the restored driveway, however, upon closer inspection, the transition to the existing driveway could have been better.

Since the existing driveway has a 4.6% grade, we do have the ability to remove more of the existing driveway to reduce the slope of the restored driveway. Township staff will be discussing the proposed changes with the homeowner and our contractor.

#### **Financial Impacts:**

The 2024 Operating Budget allocated \$50,000 for purchase of winter sand and salt, \$117,000 for winter maintenance services and \$60,000 for sidewalk repairs.

The 2024 Equipment Budget allocated \$18,000 for the purchase of two road closed trailers.

The asphalt paving project, the Wheeler and Outram St. Reconstruction project, the Point Clark Drainage Master Plan and any changes to the Tanglewood driveways are covered by the 2024 Capital Budget.

**Performance Measurement:**

Regular Pavement Condition Index (PCI) evaluations on all our paved roadways will allow staff to determine if the overall condition of our paved roads is improving or deteriorating. This information is critical in establishing the appropriate capital investment required. The last PCI evaluation was completed in 2020, and we are expecting to complete another study in 2025. Ideally, the PCI evaluations are completed on a three year cycle, which is our goal beyond 2025.

Our Bridge Condition Index (BCI) evaluations are completed on a six year cycle, which is used to determine the overall condition of our structures.

Sidewalks are inspected once per year for deficiencies, however, we have not implemented a sidewalk condition rating system so far.

**Strategic Area:**

- Embrace a thriving rural lifestyle
- Enhance Municipal Service Delivery
- Prepare for Inclusive Growth
- Ensure Financial Stability

**Strategic Goal: Manage assets and infrastructure**

**Respectfully Submitted By:**

John Yungblut, Director of Public Works

**Report Approved By:**

Jodi MacArthur, Chief Administrative Officer