



STAFF REPORT TO THE COMMITTEE OF THE WHOLE

Report No: PW2023-30

September 20, 2023

From: Timothy Wright Director of Public Works

RE: 3rd Quarter Public Works Update

Recommended Motion:

THAT the Committee of the Whole receives report PW2023-30 for informational purposes only.

Background / Analysis:

Roads

Staff – The roads department has lost three operators early in the year due to, illness and retirement. Luckily, we were able to hire two new operators who have been performing very well for the Township - Terry Sloan and Theodore St Pierre. Gary Van DeLigt was promoted to Grader operator and has been doing very well on the most difficult to learn pieces of equipment. The absence of the operators in the time it took to hire new operators would have had a huge effect on operations if it were not for the students who were hired for the summer. They performed extremely well and were able to allow the operators to concentrate on higher skilled tasks.

Recycled Asphalt material (RAP) - Public works was able to broker a deal with the Highway Resurfacing Project on the 417 this year and was able to place a new base on the failed LCB section of Kenyon Concession 8. This has resulted in a superior road surface and when given a coat of asphalt next year, will be a far superior product to what was previously present. In total this has saved the Township \$390,000. This was the cost to rebuild the base without using RAP material.

Crack sealing - The crack sealing machine was received in the spring but unfortunately due to new and untrained staff, we have only just started to crack seal. We intend to complete our priority roads. Those, that if sealed before the frost has penetrated the ground, will benefit the most. This would be for Concession 6, Sandfield Avenue, Power Dam and River Road.

Hot Mix - The hot mix work was completed successfully in Glen Robertson this year with excellent results. We did receive complaints that the road was made narrower. This claim is false as in fact the road was widened slightly. We believe the reason for the complaint is that the asphalt surface ended slightly higher than the previous surface due to the alignment for drainage. The shouldering work

completed since then should have alleviated this concern. Tobin street was also paved and the Alexandria garage adjacent to the street was given a lift. This work wraps up the completion of the water main relining project completed in 2022.

Shouldering – Public Works completed shouldering operations as shown on the plan attached.

Brushing and ditching - Public Works completed brushing and ditching as shown on the plan attached. We were not able to subcontract out any hard top road brushing and ditching this year as was previously planned, as we had to use that budget on storm clean up operations in the spring.

Roadside mowing - The new roadside ditch mowers purchased jointly with the County have been an incredible boon to operations with mowing operations that previously took half a season to complete only taking a week. There is a higher operational cost to replacing parts, but the repairs require no special skills or equipment, and we are able to do it in house. The time saving is well worth the time saved on manpower and tractor runtime.

SUVs - The small SUVs purchased in 2022 have finally arrived and have been deployed to the managers for roads and water. This small vehicle change is predicted to provide huge savings on fuel and vehicle replacement costs.

Permit system - Public works has implemented the Transnomis permit central system. This system has reduced administration costs and the system has paid for itself through permit fees. Rogers have contacted the Township about putting broadband infrastructure in to be active for 2025. This permit system will be critical to deal with the high demand expected from their submissions.

Bridges - HP Engineering has been conducting specific bridge studies and design of Bishop St and Dominion St bridges for 2024. In a joint tender with the County, the annual inspections are being completed with Jacobs Engineering.

Signage - Roughly 40% of the Township's signage have been found to have failed the retro reflectivity inspections are so we are preparing a tender for replacement. It seems that previously the Township has been using sheeting material with a deficient reflective coefficient. We expect the replacements to take place before the end of the year.

Speed radar sign installs - Speed radar signs have arrived and have been installed.

Stormwater System ECA - New provincial requirements have the Township completing a environmental compliance approval for stormwater. In a joint tender with the County, the Township engaged a contractor to do investigative works of our system that could then be provided to a consultant to help us develop a hydraulic model and 10 year capital and operations plan. We are still awaiting the results of the investigation.

Water and sewer

Staff - Unfortunately we have had two staff members leave but have also picked up two more. The new hires are showing talent and enthusiasm but still need to be trained up.

SUV - Waterworks will also now be saving on fuel by utilizing a small SUV instead of a large pick up truck for management staff.

Pump failure in Maxville - A pump in Maxville experienced a malfunction in August. Staff responded and ensured no interruption in service, but the pump needed to be replaced and was not in the budget.

Master Plans - Public Works has been continuously meeting with EVB who have successfully created a water and sewer hydraulic model. They are working on a 10-year capital plan that will include for upgrades that will pre-empt failures such as the Maxville pump failure.

Valve and Hydrant replacements - Water Works completed several valve replacements along Dominion and Derby St. During the work it became apparent that we should replace the main along Dominion between St Paul and Lochiel in the near future. We are waiting to confirm what the consultant's 10 year capital plan says to ensure we mesh with an overall strategy.

Landfill

RWM update - Public Works participated in the regional waste management group meeting. The coordination between the groups is helping and we have started making arrangements for a group negotiation for landfill services. The key information report is attached to this report.

Landfill Sampling monitoring, capacity and closures- Landfill sampling and monitoring continues with the newly awarded contract to J2PG services. Their recommendations will be presented in the 4th quarter update.

RARE

Normal Operations - The plant continues to operate with no major issues.

Winch Maintenance - Several winches were required to be refurbished. This was done through the capital repair reserve (misabeled HVAC).

Multidisciplinary Cooperation - The RARE plant is now being heavily utilized by other departments (Recreation, Roads, Water) to receive deliveries, stage and safely store equipment utilizing its loading dock and fenced in yard area.

Single Steam Equipment - RARE staff have been working with Recreation and Public Works staff to clear the single stream sorting equipment to utilize space to store Parks and Public Works equipment over the winter to avoid storage charges.

Alternatives:

N/A

Financial Implications:

N/A

Attachments & Relevant Legislation:

02 Brushing plan 2023

KIR_August 2023 RWMWG Update

Others Consulted:

Public Works Staff

Reviewed and approved by:
Sarah Huskinson, CAO/Clerk