
REPORT TO CORPORATE SERVICES COMMITTEE

MEETING DATE: February 3rd, 2025
FROM: Alex Hackenbrook, Public Works Manager
SUBJECT: Departmental Information Update – Work Performed 2024

INFORMATION UPDATE:

The update from The Public Works Department will include items for discussion with Council regarding completed work within the department throughout the 2024 season.

DITCHING:

The ditching program that started in 2024 after the purchase of the new equipment, will continue throughout 2025 starting with the remainder of Line 3 S then moving to Development Rd. With the proposed purchase of a float we will be able to transport the equipment in house from site to site without incurring additional float charges. Listed below are the sites & distances from the 2024 ditching program.

- Line 3 S, 4.6km both ways (9.2km total distance)
- Maple Rd, #546 to #451 - 1km total distance
- Maple Rd, Ditched in front of #100 to X-road culvert
- Grand Desert Rd, Ditched in front of #344 to X-Road culvert
- Greenwood Dr, from Lakeview Crt to Sunnyside Rd
- Greenwood Dr, from #306 to #314
- Fichault Rd, #446, both sides of laneway

BRUSHING:

Similar to the ditching program, the brushing program was also introduced in 2024 with the purchase of the new equipment as well as the brush head. Staff have completed all of Line 3 South in 2024 & have focused on completing Development Rd for the 2025 season. Currently, staff have

Completed one way from Line 3 South to Rutherglen Line (with the exception of a few spots on the bends). Listed below are the sites & distances from the 2024 brushing program.

- Line 3 S, 4.6km both ways (9.2km total distance)
- Maple Rd, 1.1km both ways (2.2km total distance)
- Sightlines throughout the hamlet
- Sightlines at intersections
- Coverage over Township signs (Highway, Office & Roadside)
- Roadside mowing of whole Township

CULVERT REPLACEMENT:

As staff completed ditching on Line 3 South there are many outstanding culverts that need to be replaced/installed following the ditching program. These culverts are currently in stock at the Public Works shop in preparation for 2025 installation. Below is a list of locations where staff have replaced culverts.

- South Shore Rd, 2 outlet culverts stacked on top of X-road culvert
- Grand Desert #132, Laneway culvert
- Maple Rd (Next to community mailbox) Entrance Culvert
- Greenwood Dr #201, Laneway culvert
- Lakeview Crt #102, Laneway culvert
- Sunnyside Rd #379, Laneway culvert
- Schayer St, X-road culvert next to #107
- Fichault Rd, #446, Laneway culvert

MAINTENANCE GRAVEL:

While working within the 2024 budget it allowed for Public Works to apply maintenance gravel to Line 3 South as well as Maple Rd. Approximately 3" of gravel were applied to both roads totaling 6,402.10 tonnes of Granular A quarry stone. Line 3 received a total of 2,872.43 tonnes & Maple Road received a total of 3,529.64 tonnes.

MISCELLANEOUS:

Staff have also been completing miscellaneous tasks in house on a daily/weekly basis throughout the Township. These tasks listed below are essential in maintaining the Township owned properties as well as keeping the community clean & presentable.

- Cut 40 acres of grass weekly/bi-weekly at main office, Kabiskong Park, Soccer Field, Centennial Park, Boat Launch, Medical Center, Community Garden, Firehall #1, Firehall #2, Rutherglen Park, Rutherglen Ball Field, Mt.Pleasant Cemetery, Development Rd Cemetery
- String trimming around signs, guard rails & posts throughout the Township
- Total of 5 burials at cemetery
- Maintenance & repairs to vehicles & equipment in house as well as Fire Department vehicles
- Splash Pad upkeep & water testing
- Install & remove skateboard equipment at outdoor rink
- Continuous operations at Landfill site (material sorting, garbage compaction, earth moving, general maintenance)
- Grading of all roads throughout the Township
- Ice making operations
- Snow clearing of all roadways & Township owned/operated buildings (Main Office, Firehall #1/2, Medical Centre, Post Office, Landfill)
- Ice Blading gravel roads
- Snow removal within the hamlet as well as plow turnarounds to combat sightline/safety issues
- High-winged roadside banks/drifts
- Empty garbage containers at all parks
- Clean changerooms/washrooms
- Till beach & playground
- Install & remove municipal dock
- Culvert flushing
- Cold patching

LANDFILL OPERATIONS:

Staff have been working diligently to inform the residents of Bonfield about the rules & regulations for garbage/recycling disposal at the Municipal landfill site. This ongoing education has been done through staff communicating with residents with conversation & pamphlet

handouts. These actions have been productive in allowing the Municipality to advance with its recycling goals.

This attached chart shows the increase/decrease in material percentages for the corresponding compared years.

	2021-2024	2022-2024	2023-2024
Cardboard	+ 108%	+ 56%	+ 12%
Plastic	+ 148 %	+ 120%	+ 41%
Paper	+ 166%	+ 12%	- 32%
Glass	+ 1448 %	+ 218%	+134%
OES	+ 423%	+ 310%	+ 106%

Garbage disposal at the landfill site was also compared year to year with the percentage increase of bags disposed listed below.

	2021 – 2024	2022 – 2024	2023 - 2024
# of Bags	+ 350%	- 30%	- 6 %

When looking at the above charts, except for paper shown from 2023-2024, it is apparent that residents are recycling more than they have in the past. When looking at the bag count comparison for garbage disposal, there is a decrease in garbage being brought to the landfill over the past 2 years. Based upon the data in the tables above, the Township residents are in fact recycling more & putting less garbage waste into the landfill. As we are still waiting for the results of the Capacity Assessment from Pinchin, we cannot determine that amount of space that has been saved/reclaimed since the purchase of the landfill compactor in 2024.

CONCLUSION:

Based on the task list provided above I believe it is apparent that the Public Works Department has been busy over the last year conducting in-house tasks & daily operations. As for the newly purchased equipment being used for ditching & brushing (John Deere 135P Excavator), staff currently have put on 546 hours of operating time. With a base cost of \$150 per hour for the operation of equipment, we would have paid \$81,900 for the contracted operating time.



PUBLIC WORKS DEPARTMENT

Email: pwmanager@bonfieldtownship.com

In the time of purchase from May 31st 2024 until January 31st 2025 (8 months) the Township has covered 26.74% of the initial purchase cost based upon operation. (Initial cost of 306,270 / 81,900 x 100)

Respectfully,

Alex Hackenbrook

Public Works Manager

Township of Bonfield

I concur with this report,

Nicky Kunkel

CAO, Clerk Treasurer

Township of Bonfield