



Township of Plummer Additional Report to Council

To: Management Staff, Mayor, and Members of Council
From: Lars Moffatt, Clerk-Treasurer
Date: September 22, 2023
Subject: 2024 Roads Capital Plan Review/Cloudslee Road
Report#: 2023-09-22-1

Recommendations:

1. THAT Council hereby accept and review the report (2023-09-22-1) as presented.
2. THAT Council authorizes staff to work with the surface treatment budget of \$140,000 and determine which sections (or part of sections) of roadway should be completed, with a report coming to Council at the October 18th meeting.

Discussion:

Council is aware that Cloudslee Road is requiring repair in several areas. Due to the potholes being severe, the RWF removed 1.1km of surface treatment and put down a few inches of gravel until further direction can be provided by Council.

The RWF has advised that another 2.8km of roadway should be addressed, (Jeffrey Road to 1544 Cloudslee) with either a double coat of surface treatment (with gravel and clay removal occurring before then), or the road should be ripped up and put back to gravel.

Costs to Move Road back to Gravel

For the existing 1.1km of sections that are back to gravel the RWF has advised that it needs another 1200m³ of OTR (~\$20,000) and the removal of clay in sections to ensure that the road does not continue to move due to frost. The additional cost per year to calcium in this section of the road will be roughly \$2,200.

Should the Township rip up another 2.8km of surface treatment and bring it back to gravel, the RWF estimates it will require another 4400m³ of gravel (\$71,500), 2-3 weeks of staff time required to complete the removal of the road and potentially trucking services needed to place the gravel. Annual calcium on this section will cost roughly \$5,600 per year.

Therefore, placing gravel on 3.9km of roadway will cost an estimated \$7,800 in calcium per year and \$91,500 in gravel (one time cost). The Township could pull some gravel from its contract with OTR but will further diminish such a benefit that could be used in the future. To date, the Township has roughly 13,000 MT remaining in its contract with OTR. Grading services on this section of the road will also be required, which will take up more staff time and increase wear/tear on the new grader.

Patching Existing Roadways

Based on the patching that was completed in Copper Bay Road in anticipation of surface treatment, the RWF estimates that \$10,000 worth of patch is required per kilometre to ensure that any existing surface treatment is ready for a new coat of surface treatment.

There is a 4.2km section of Cloudslee that requires a single course of surface treatment, which can wait a few years. It will also require \$42,000 in patch before said treatment can be laid. If the Township wanted to patch the 2.8km section and place surface treatment you are looking at another \$28,000 in patch required for such.

Other Maintenance on Cloudslee

The RWF has advised that 5 culverts require replacement on Cloudslee (2- 12"X40', 1-15"x40', 2-18"x40'). These culverts are estimated to cost \$12,000. 92 Guardrails also require replacement comes at an estimated price of \$3,500.

Financial Considerations

Council should be aware of the financial constraints that exist from a budgeting perspective. If the Township is putting funds away for 5th Concession surface treatment, the Township will only have roughly \$140,000 they can spend in 2024 on surface treatment. This would get either 4km of single course or 2km of double coat. Other projects that need to be considered (plus Cloudslee) are:

- **Waltonen Road** – Single Course required (2.0km) – \$70,000
- **Centre Line Road (Section 235: Crystal Cove to Finlayson)** – 300m of Double Surface Treatment required and 1.2km requiring single surface treatment. (\$66,500) - This road still needs to be ripped up.
- **Centre Line Road (Section 215: Plummer Rd to McClarty Bridge)** – 1.1km of Single surface treatment. (\$40,000) – This road still need to be ripped up.
- **Cloudslee – 1.1km** double surface treatment – \$77,000
- **Cloudslee – 2.8km** double surface treatment - \$196,000

Total ST required: \$449,500

Thoughts/Recommendations

A budget of \$140,000 is difficult to maneuver, meaning the areas of most priority should be addressed first. It is recommended that the RWF determine the most required sections and recommend the replacement of such that need it the most. This means that the Township may only repair parts of sections if required (Ex. Complete half of Waltonen Road – 1km).