

**REPORT OF THE DIRECTOR OF PUBLIC WORKS  
FOR THE CONSIDERATION OF COUNCIL,  
RE: SURFACE TREATMENT OF LOCAL ROADS**

### OBJECTIVE

To provide Mayor and Council with information regarding the surface treatment of local roads.

### RECOMMENDATION

**THAT** Staff Report RDS2021-02 dated August 10<sup>th</sup>, 2021 of the Director of Public Works be received;

**AND THAT** Contract No. RDS2021-02, for pulverization and double surface treatment of Boychuk, South Bay, Pine Pond and Fire Tower roads be awarded to Beamish Construction Inc. at a cost of **\$456,706.<sup>80</sup>** plus applicable taxes.

**AND THAT** the additional cost of **\$151,426.<sup>00</sup>** be budgeted towards the Federal gas tax reserve

Respectfully Submitted



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Daryl Halloch  
Director of Public Works

Approved



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Daniel Gagnon  
Chief Administrative Officer

## BACKGROUND

There are several surface treated roads located throughout the city that don't consist of any underground infrastructure other than culverts to help direct storm water runoff. Majority of these roads last received single layer treatments in the mid 1990's. Normally after a surface treatment road is applied, municipalities would plan on having a single surface added every ten years, with a full double surface completed after 20 years. The roads identified in this report have all surpassed the 20 year mark and are significantly reduced in width with several cracks and bumps identified throughout.

Engineering inspection work was completed by Tulloch Engineering and identified all the costs involved such as brushing, ditching, culvert replacement, pulverizing existing, addition of "A" gravel and finally the application of a double surface treatment layer.

A tender was posted on July 15<sup>th</sup>, with a closing date of August 3<sup>rd</sup> 2021.

In total, two (2) firms submitted tender responses by the specified closing time.

## ANALYSIS

The tender includes all costs associated with pulverizing existing road, transportation and grading of crushed asphalt and the addition of a new double surface treatment layer. All prices below don't include applicable taxes.

|                             |   |
|-----------------------------|---|
| Miller Paving Limited -     | <b>\$862,341.<sup>60</sup> - With "A" gravel supplied by contractor</b> |
| Miller Paving Limited -     | <b>\$734,904.<sup>04</sup> – With crushed Asphalt supplied by City</b>  |
| Beamish Construction Inc. - | <b>\$603,174.<sup>00</sup> – With "A" gravel supplied by contractor</b> |
| Beamish Construction Inc. - | <b>\$456,706.<sup>80</sup> – With crushed Asphalt supplied by City</b>  |

Form of Tenders, Bonding Certificates, Proposed Equipment Forms, Tenders Experience Forms, and Tenders list of sub-contractors were reviewed. No bid irregularities were noted during the review process.

The public works staff replaced all culverts, ditched and brushed each road to save on costs.



## FINANCIAL IMPACT

Council approved a 2021 Capital project amount of **\$305,280<sup>00</sup>** to resurface all 4 roads, which was budgeted believing a single surface layer could be applied. After receiving the Engineering report, which confirmed that all 4 roads were past the age of only being able to add a single surface treatment and that a double treatment was required. As seen in the tender bids above, normally this process would cost in the range of **\$600,000 to \$650,000** to complete all 4 roads. With further investigating, it was discovered that the City could utilize the crushed asphalt as a substitute for the “A” gravel required in the process, in return saving an estimated amount of **\$146,468** plus applicable taxes to complete all 4 roads. Beamish Construction Ltd’s bid of **\$456,706.<sup>80</sup>** is **\$151,426.<sup>80</sup>** plus applicable taxes higher than what was budgeted and would need to be budgeted to the Federal gas tax reserve.

## LINKS TO STRATEGIC PLAN

This report is consistent with the actions required under “Continued Investment into Infrastructure”.

## SUMMARY

It is recommended that the bid submitted by Beamish Construction Ltd.in the amount **\$456,706.<sup>80</sup>** plus applicable taxes for Contract No.RDS2021-02 regarding the surface treatment of Boychuk, South Bay, Pine Pond and Fire Tower roads be approved for reasons stated above.

