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The Corporation of the Town of Niagara-on-the-Lake Information Report to Council

SUBJECT: Winter Breakup – Additional Hot Mix Asphalt Resurfacing and Spot Repairs
DATE: 2023-05-16
REPORT #: OPS-23-029
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DEPARTMENT: Operations - Engineering

BACKGROUND INFORMATION

The purpose of this Information Report is to advise Council of additional hot mix asphalt resurfacing locations to be included in this year's hot mix asphalt program due to deteriorating conditions accelerated by winter breakup conditions.

The Town's approved 2023 capital budget included \$579,510 toward the resurfacing of the following streets within the municipality:

1. C01912 Penner Street – Four Mile Creek Road to Elden Street to Niagara Stone Road (\$139,510)
2. C02048 Concession 6 Road – Line 4 Road to Line 5 Road (\$220,000)
3. C02049 Concession 6 Road – Line 5 Road to Line 6 Road (\$220,000)

On March 21, 2023, Town Staff advised Council via an Information Report that tenders were received for the 2023 Hot Mix Asphalt Program with the Award of Tender to Rankin Construction Inc.

Upon review of the schedule of tender unit prices, it has been determined that approximately \$50,000 in surplus funds are available between the listed projects noted above that could be applied toward additional spot repairs and/or full block sections of the road if necessary. The surplus funds are related to favourable unit prices at the time of tendering since the project was budgeted for the fall of 2022.

Over the past several weeks, with temperatures steadily improving and the winter freeze-thaw conditions coming to an end, Town Staff has received referrals from residents and/or members of Council concerning poor road conditions. Through annual spring patrols, Town Roads Staff has also identified numerous locations requiring spot repairs. Typically, Staff would address these locations using available materials to patch the road with cold-mix asphalt; however, in certain

instances, this is not an appropriate long-term solution from a cost, Staff resourcing or time perspective.

Upon further review, the Operation Department is recommending that the following spot repair locations be added to the 2023 Hot Mix Asphalt Paving Program:

Locations of Spot Repairs	Estimated Size (sq. m)
Concession 1 Road – Line 1 Road to Line 2 Road (5 locations)	90
Concession 1 Road – Line 2 Road to Line 3 Road (9 locations)	130
Concession 1 Road – Line 7 Road to Line 8 Road (2 locations)	63
Concession 6 Road – South of York Road (1 location)	42
Cross Street – East of Stewart Road (1 location)	48
King Street – South of Queen Street (2 locations)	75
Paxton Lane – South of York Road (1 location)	72
Princess Street – North of Highlander Street (1 location)	99
Mississagua Street – Gage Street to Centre Street (1 location)	120
Total	739 sq.m

The locations of spot repairs and full block replacements are shown in **Appendix I – 2023 Winter Breakup Location Overview Map**.

FINANCIAL IMPLICATIONS

Spot Repairs

The various spot repairs noted above will be addressed using the Roads Operating Budget Patching & Spray Patching account (320-2400-41000). The estimated cost to mill, apply a tack coat and 50mm of HL3 asphalt at the noted locations based on this year's 2023 Hot Mix Asphalt Tender is as follows:

Total Estimated Cost -	\$59,000 plus applicable taxes.
Available Budget -	\$60,000

Sufficient funds are available in the Roads Operating Budget to address these spot repairs.

Full Block Sections

The Operations Department has calculated the following estimate to complete the work.

1. Dorchester Street – Johnson Street to Queen Street -	\$35,000.00
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The Total Estimated Cost is \$35,000.00 plus applicable taxes.

The proposed works include milling 50mm of the existing road surface, applying a tack coat, placing 50mm of HL3HS asphalt, and shouldering to achieve a 6m wide platform with 1m paved shoulders.

The surplus funds identified in this year's Hot Mix Asphalt resurfacing program are sufficient to cover these additional costs.

NEXT STEP / CONCLUSION

Town Staff will arrange for the hot mix asphalt contractor, Rankin Construction Inc., to schedule these works immediately following Council's receipt of this Information Report. Affected residents will be advised through a notice before the work commences.

ATTACHMENTS

- N/A