



The Corporation of The Town of Penetanguishene Committee of the Whole Report

COMMITTEE: Transportation & Environmental Services Section

COMMITTEE CHAIR: Councillor George Vadeboncoeur

SUBJECT: Proposed 5 Year Preventative Road Maintenance Plan

REPORT: RDS–2025-02

REPORT HIGHLIGHTS

- Outline of proposed 5 year Preventative Road Maintenance Plan (2025-2029)
- \$590,000 is budgeted in 2025 for the Preventative Road Maintenance Plan (increased from \$540,000 in the 2024 budget);
- \$4,210,000 in total over the 5 year plan;
- Increased funding is required throughout the plan in order to increase the level of service provided and to minimize the reliance on high cost capital improvements;
- Preventative Road Maintenance treatments are in keeping with the Town's sustainability plan as they reduce the dependence on virgin aggregate resources and minimize greenhouse gas emissions.

RECOMMENDATION

THAT the proposed 5 Year Preventative Road Maintenance Plan be received for information.

BACKGROUND

To prolong and maintain the useful life of the Town road network, certain road sections are identified each year to undergo preventative maintenance treatments. This includes, but is not limited to, the placement of asphalt pavement, crack sealing, cold mix asphalt repairs, asphalt rejuvenation, and surface treatment. Each of these measures helps to maintain, improve and extend the life of the road as well as protect the existing granular structure from damage due to frost heaving and erosion. Each treatment proposed as part of the plan will serve to extend the useful life of the road from between 5 and 15 years thereby reducing our reactive operational costs on an annual basis.

The five (5) year preventative road maintenance plan has been revised to reflect the additional funding that is required to meet service levels within the road network. It is proposed that the additional funding required be brought forward for approval during the 2025 budget process.

ANALYSIS

A listing of road sections and the preventative maintenance and rehabilitation treatments that are proposed as part of the Five Year Preventative Road Maintenance Program is outlined below.



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YEAR 2025

Hot Mix Asphalt Treatments (1.875km)

- Curry Rd (Tay Point Rd Simpresca Rd) - 600 m
 - Robert St W (Park St to Lafontaine Rd) - 450 m
 - Hilltop Dr (Centennial Dr to Dufferin St) – 200 m
 - Laurier Dr (Centennial Dr to Fuller Ave) – 450 m
 - John St (Shannahan Lane to Poyntz St) – 75 m
 - Norse Trail (Simcoe St to Brock St) – 100 m
- \$420,000

Asphalt Rejuvenation (1.5 km)

- Maria Street (Edward Street to Robert Street East)
 - Overhead Bridge Road (Town Limits to Lafontaine Road)
 - Simcoe Street (Fox Street to Main Street)
 - Scott Street (Water Street to Robert Street West)
 - Sheridan Street (Peel Street to Chatham Street)
 - Harriet Street (Edward Street to Robert Street East)
 - Church Street (Fox Street to Yeo Street)
- \$65,000

Crack Sealing

Various Locations \$30,000

The application of cracking sealing is also a large part of the preventative maintenance strategy employed by the Town and is reserved for street sections that are still in good condition but are beginning to show signs of deterioration. The locations for the crack sealing application are distributed all over the road network in areas where the treatment is warranted.

Pothole Patching

Various Locations \$35,000

Potholes that emerge within the road network are repaired using a cold patch asphalt material that is applied throughout the year but primarily during the spring or late winter months.

Miscellaneous Road Repairs

Various Locations \$40,000

Any repairs or improvements required to the road surface that do not fall within the categories listed above.



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Capital Projects (0.350 km)

- Robert St E & Fuller Ave intersection \$200,000

2025 Projects (Operating \$590,000 and Capital \$200,000) \$790,000

YEAR 2026

Hot Mix Asphalt Treatments (2.5 km)

- Robbs Rd (Champlain Rd to Town Limit) – 500 m
- Cambridge St (Fuller Ave to Church St) – 725 m
- Clarence Ave (Robert St E to Brock St) – 150 m
- Gilwood Park Dr (Sandy Bay Rd to Forestdale) – 500 m
- Gilwood Park Dr (Sandy Bay Rd to Arlynn Ave) – 300 m
- Broad St (Church St to Fuller Ave) – 325 m \$395,000

Asphalt Rejuvenation (2.0 km)

- Champlain Road (Robbs Road to Military Road)
- Hatton Drive, Bellisle Road, Beausoleil Drive, Rogers Road
- St. Amant Road and Mackenzie Court \$90,000

Crack Sealing

Various Locations \$30,000

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Pothole Patching

Various Locations \$35,000

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Miscellaneous Road Repairs

Various Locations \$40,000



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Capital Projects (2.6 km)

- | | |
|-----------------------------------------|-----------|
| - Peel St (Robert St E to Brock St) | \$300,000 |
| - Asphalt Resurfacing Brunelle Sideroad | \$300,000 |

2026 Projects (Operating \$590,000 and Capital \$600,000)	\$1,190,000
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YEAR 2027

Hot Mix Asphalt Treatments (2.2 km)

- | | |
|---------------------------------------------------|-----------|
| - Shanahan Rd (John St to Centre St) – 240 m | |
| - Hallen Drive (Broad St to road end) – 325 m | |
| - Church St (Cambridge St to Town Limit) – 1.1 km | |
| - Poyntz St (Benson St to Park St) – 350 m | |
| - Tessier Lane - 180 m | \$405,000 |

Asphalt Rejuvenation (1.8 km)

- | | |
|-------------------------------------------------|----------|
| - Champlain Road (Military Road to Town Limits) | \$60,000 |
|-------------------------------------------------|----------|

Microsurfacing (0.35 km)

- | | |
|-------------------|----------|
| - Mercer Crescent | \$40,000 |
|-------------------|----------|

Crack Sealing

Various Locations	\$30,000
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Pothole Patching

Various Locations	\$35,000
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Potholes that emerge within the road network are repaired using a cold patch asphalt material that is applied throughout the year but primarily during the spring or late winter months.

Miscellaneous Road Repairs

Various Locations	\$40,000
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Capital Projects (0.4 km)

- | | |
|---------------------|-----------|
| - Lucy St Extension | \$400,000 |
|---------------------|-----------|

2027 Projects (Operating \$610,000 and Capital \$400,000)	\$1,010,000
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YEAR 2028

Hot Mix Asphalt Treatments (2 km)

- Centennial Dr (Hilltop Ave to Robillard Dr) - 500m
- Edward St (Anne St to Main St) - 350m
- Military Rd (Champlain Rd to 15th Con.)- 650m
- Gignac Dr (John St to Bellisle Rd) – 350 m \$410,000

Asphalt Rejuvenation (1.5 km)

- Thompsons Road (Robert St. East to 400 m east of Jennings Dr. \$50,000

Microsurfacing (350 m)

- Corbeau Cres. \$45,000

Crack Sealing

Various Locations \$30,000

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Pothole Patching

Various Locations \$35,000

Potholes that emerge within the road network are repaired using a cold patch asphalt material that is applied throughout the year but primarily during the spring or late winter months.

Miscellaneous Road Repairs

Various Locations \$40,000

2028 Projects (Operating \$610,000)

\$610,000



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YEAR 2029

Hot Mix Asphalt Treatments (1.9 km)

- Gendron Drive – 200 m
- Burke St (Lorne Ave to LeCaron Ave) – 300 m
- Tay Point Rd (Curry Rd to McArthur Ave) – 1400 m \$375,000

Asphalt Rejuvenation (2.6 km)

- Chatham Street (entire length)
- Maria Street (Thompson Road to James Street)
- James Street (Thompson Road to Maria Street)
- Charles Street (Maria Street to James Street)
- Marchand Drive (James Street to James Street)
- Dube Drive (Marchand Drive to James Street) \$100,000

Crack Sealing

Various Locations \$40,000

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Pothole Patching

Various Locations \$45,000

Miscellaneous Road Repairs

Various Locations \$50,000

2029 Projects (Operating \$610,000) \$610,000

5 Year Preventative Road Maintenance Plan TOTAL \$4,210,000

FINANCIAL IMPLICATIONS

The Five-Year Stormwater Maintenance Plan is budgeted annually within the Town's Operating and Capital Budget.

BACKGROUND REPORTS

N/A



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RISK MANAGEMENT

All contractors retained by the Town will be fully insured, bonded and have WSIB clearance to complete work within public right-of-ways.

SUSTAINABILITY PLAN

The implementation of preventative road maintenance treatments will help reduce the municipalities dependence on high cost non-renewable aggregate resources.

STRATEGIC GOALS & OBJECTIVES

THEME 6 - Corporate Initiatives.

Objective 1: Implement Corporate action plans.

1. Prioritize, assess, and increase investment in the Asset Management Plan and Town infrastructure now and on an ongoing basis.

Prepared by:	Tyler Haourt, Roads Supervisor
Reviewed by:	Bryan Murray P.Eng, Director of Public Works Natalie Forget, Deputy Treasurer
Approved by:	Jeff Lees, CPA, CGA, Chief Administrative Officer
COW Meeting Date:	February 12, 2025
Council Meeting Date:	March 12, 2025

Electronic File Location:

<https://penetanguishene.sharepoint.com/sites/PublicWorks/Documents/Bryan/Projects/Municipal/2025 Projects/5 Year Road Maintenance Plan/RDS-2025-02 PRM 2025-2029.docx>

ATTACHMENTS

N/A