



2025 Capital Road Program Business Case

Public Works

2025 Budget

Public Works

Capital Road Program

Executive Summary

The proposed program utilizes three different types of treatment techniques; partial depth patching (6700 meters), asphalt resurfacing (162 meters) and reconstruction (560 meters). The estimated cost of the work is \$1,298,792.00.

Business Need

The road network forms the largest share of the Township's asset portfolio. Our actual reinvestment rate is less than the optimal target reinvestment rate. A phased in approach will need to be utilized over multiple years to close the gap.

The asset management plan estimates the useful life of a paved surface at 20 years. We have 123 kilometers of paved surface, so we should be making improvements to at least 6.15 kilometers of road per year. The 2025 program aims to make improvements on 7.42 kilometers of road.

Options or Solutions Analysis

Option # 1: Remain status quo.

Option # 2: Complete 7.42km of asphalt improvements using a combination of reconstruction, resurfacing and partial depth patching as outlined in the financial benefit section.

Option # 3: Include any additional roads to the proposed program.

Financial and/or Non Financial Benefits

Option #1: No immediate capital investment and no benefit.

Option #2: Proposed list of roads

Partial Depth Patching Program			
Road	Length (m)	Estimated Cost	Notes
Brouseville West	5800	\$400,000.00	This technique is used for pavement distresses like raveling, rutting, delamination and cracking.
Connell	300	\$44,370.00	
Hurley	400	\$59,160.00	
Goodin	200	\$29,580.00	
Total	6700	\$533,110.00	

Resurfacing Program			
Road	Length (m)	Estimated Cost	Notes
Reilly	100	\$47,400.00	The section south of CR2 was missed in the 2024 program.
Henderson	62	\$46,180.00	This section was deferred in 2024. Wider platform width
Total	162	\$93,580.00	

Reconstruction Program			
Road	Length (m)	Estimated Cost	Notes
South	330	235,050.00	Asphalt replacement, drainage modifications and partial storm pipe replacement.
Water	100	\$125,052.00	Asphalt replacement, drainage modifications and partial storm pipe replacement.
Waddell	130	\$312,000.00	Asphalt replacement, full storm pipe system.
Total	560	\$672,102.00	

Option # 3: Additional Work

Optional Additional Roads			
Road	Length (m)	Estimated Cost	Notes
James	120	\$93,350.00	Possible partnership with Ingredion
Middle (James to John)	100	\$71,200.00	Possible partnership with Ingredion
Total	220	\$164,550.00	

Risk Analysis

Option # 1: Doing nothing will further deteriorate the assets and create a larger backlog of work in the coming years.

Option # 2: Achieves the objective of maintaining the overall road condition network in fair condition. This would adjust the current asset condition ratings of the listed roads from a poor/fair to a fair/good level.

Option # 3: Achieves the objective of maintaining the overall road condition network in fair condition.

Recommendation

That committee recommends that Council include the proposed road program (option # 2) for consideration into the 2025 budget.

Implementation Plan

Q1 – Prepare and issue tender

Q2 – Award of work, subject to Council approval

Q2/Q3 – work scheduled and completed.

Acceptance Sign-off

Lead Department: Public Works

Prepared By: Chris LeBlanc, Public Works Manager

Date: January 9, 2025

Signature: 

Approved By: Jessica Crawford, Treasurer

Date: January 9, 2025

Signature: 

Approved By: Sean Nicholson, CAO

Date: January 9, 2025

Signature: 