



## **2024 Budget Request**

**Request: Cold in Place Recycling and Single Surface Treatment Rehabilitation of Concession 21**

**Department: Development and Engineering Services**

**Request ID: DEV2024BUDGET-C-04**

**Financial Ask: \$300,000**

**Funding Source: Capital – OCIF and CCBF Grants**

This document and its attachments are public and available in an accessible format upon request.

### **Background and Strategic Priority**

Deliver Effective and Cost-Efficient Services

Utilizing the asset management tool Streetlogix, Concession 21 was recognized as having a Pavement Condition Index (PCI) of 21 out of 100 scoring, which is considered serious and is in a state of disrepair.

### **Analysis**

Staff are recommending a full depth replacement, including pulverization, and reshaping of the road base for approximately 2.1 km on Concession 21 from Thompson Sideroad to Zion Church Road. The road replacement will utilize Cold in Place Recycling (CIPR) and Single Surface Treatment (SST) technologies.

CIPR is an innovative road rehabilitation technique that has become a proven, cost effective and environmentally sustainable process utilized throughout North America for over 20 years.



The CIPR process in full depth applications, where both the old hot mix asphalt and a portion of the underlying granular material is stabilized with expanded asphalt and placed to the specified depth and cross fall.

The CIPR will be followed by a single surface treatment (SST) application where asphalt emulsion is applied to the CIPR road and followed by an application of a cover aggregate.

Without the proposed works the current level of service expected by the community will not be achieved and the road will further degrade to where unexpected failure and maintenance (pothole repairs) becomes more likely.

### **Financial Impact**

The cost estimate, including contingency, for this project is \$300,000.



## Report Approval Details

Document Title:	2024 Budget Request Cold in Place Recycling - Single Surface Treatment.docx
Attachments:	
Final Approval Date:	Nov 14, 2023

This report and all of its attachments were approved and signed as outlined below:

Samantha Buchanan, Treasurer

Niall Loble, Director of Community Services