



**SUBJECT:** Tender Award – Lakeshore Road resurfacing & Pine Cove Bridge replacement

**TO:** Environment, Infrastructure & Community Services Cttee.

**FROM:** Engineering Services Department

Report Number: ES-07-23

Wards Affected: 4

File Numbers: 570.02-1039

Date to Committee: March 2, 2023

Date to Council: March 21, 2023

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### **Recommendation:**

Award the tender for contract ES-23-02 – Lakeshore Road Resurfacing & Pine Cove Bridge Replacement to Rankin Construction Inc., 222 Martindale Road, St. Catherines, ON, L2R 7A3, for \$5,414,718.46 including HST; and

Authorize the closure of Lakeshore Road at the Pine Cove Bridge, from July 4th, 2023 to December 1st, 2023; and

Authorize the Mayor and City Clerk to sign any required agreements with the bidder named above, subject to the satisfaction of the Executive Director of Legal Services and Corporation Counsel; and

Authorize the City Clerk to prepare the debenture by-law; and

Approve the total cost of \$6,080,000 (Net HST) to be charged to Capital Order RA0253 and funded as outlined in the financial matters section of the report.

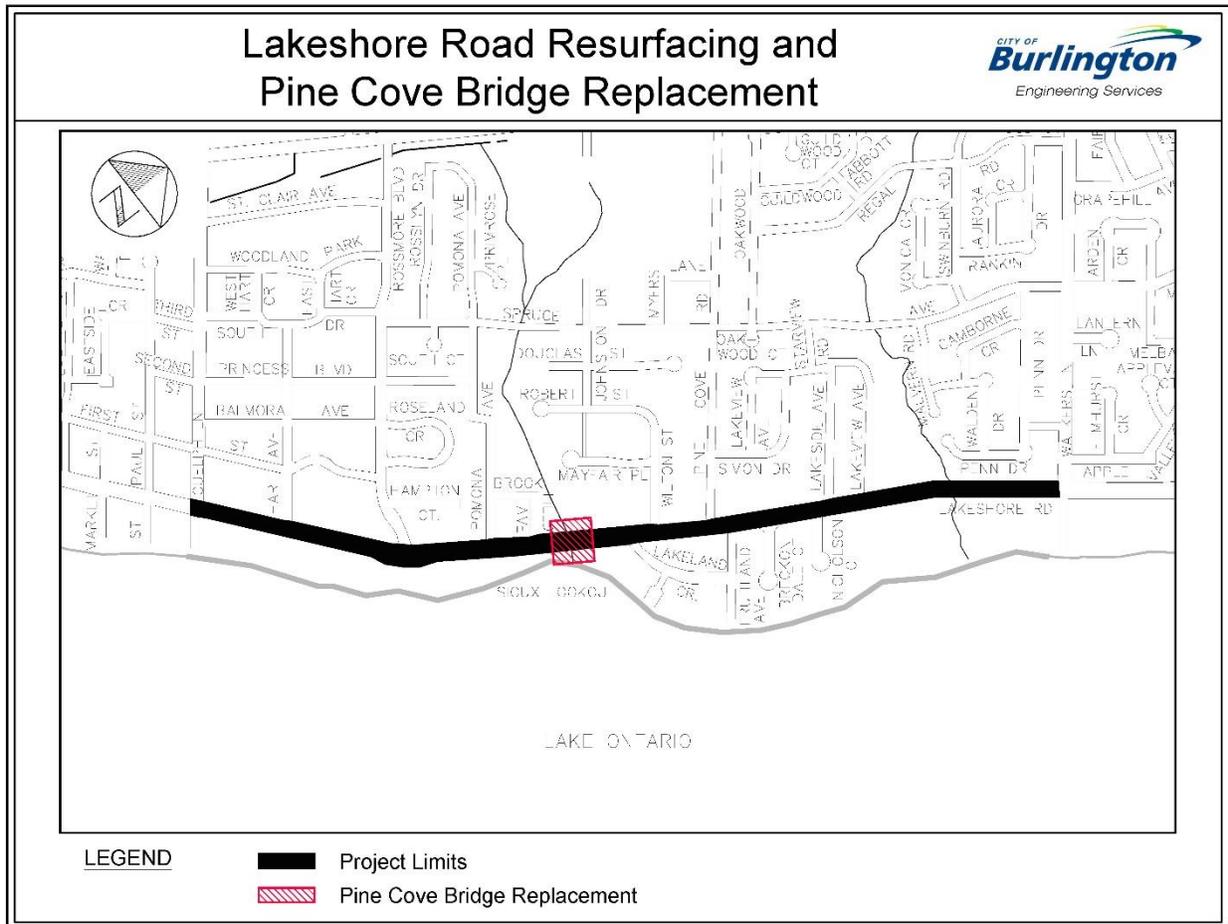
### **PURPOSE:**

#### **Vision to Focus Alignment:**

- Support sustainable infrastructure and a resilient environment
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## Background and Discussion:

### Project Location



Lakeshore Road from Guelph Line to Walkers Line - The top layer of asphalt is at the end of its useful lifecycle and is in need of replacement.

The Pine Cove bridge was originally constructed around 1915 and is currently in poor condition and at the end of its useful lifecycle.

### Proposed Works:

Proposed Works on Lakeshore Road from Guelph Line to Walkers Line:

- Pine Cove Bridge replacement
- Lakeshore Road at Tuck Creek culvert repairs
- Asphalt Resurfacing
- Spot curb and sidewalk repairs

- Full multi-use pathway replacement on the south side of Lakeshore Road
- Street lighting improvements
- Minor signal improvements at Guelph Line and Lakeshore Road

### Construction Schedule:

Construction Duration: May to December 2023  
Road Closure: July 4 to December 1, 2023

### Road Closure & Lane Restrictions

There will be ongoing lane restrictions within the construction area. A full road closure is proposed at the Pine Cove bridge. The proposed detour route is shown below:



### Options Considered

The Pine Cove bridge was reviewed to determine if the bridge could be partially removed with staged construction to allow traffic to be maintained. It was determined that removing a portion of the existing structure would result in structural stability and safety concerns, not allowing for staged construction.

**Procurement Information:**

Advertised / Issue Date:	January 23, 2023
Advertised Methods(s):	<input checked="" type="checkbox"/> Bid & Tenders, <input type="checkbox"/> Other (specify) _____
Closing Date:	February 7, 2023
Number of Bids Received:	6
Total Number of Compliant bids:	6

**Bid Results**

**Tender Results:** The contract is awarded to the lowest compliant bidder (named first).

No.	Name of Company	Total Bid including HST
1.	Rankin Construction Inc.	\$5,414,718.46
2.	King Paving & Construction Ltd.	\$5,578,443.32
3.	GIP Paving Inc.	\$5,639,830.01
4.	PAVE-AL LIMITED	\$7,085,527.99
5.	Associated Paving & Materials Ltd.	\$7,875,035.83
6.	614128 Ontario Ltd o/a Trisan Construction	\$7,900,835.70

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**Financial Matters:**

The following table presents a summary of the estimated project costs:

	<b>Project Budget</b>	<b>Tender Award</b>
<b>Contracted Construction</b>		

Contracted Construction	\$ 4,700,000	\$ 4,791,786
HST (1.76%)	\$ 82,720	\$ 84,335
<b>Subtotal Contracted Construction (Net HST)</b>	<b>\$ 4,782,720</b>	<b>\$ 4,876,121</b>
Construction Contingency	\$ 478,272	\$ 479,000
Asphalt Cement Adjustment	\$ 65,000	\$ 65,000
<b>Total Contracted Construction</b>	<b>\$ 5,325,992</b>	<b>\$ 5,420,121</b>
<b>Internal Costs</b>		
Administration	\$ 125,000	\$ 120,000
Design Services	\$ 125,000	\$ 100,000
Inspection	\$ 125,000	\$ 100,000
<b>Total Internal Costs</b>	<b>\$ 375,000</b>	<b>\$ 320,000</b>
<b>External Costs</b>		
Consulting Services	\$ 100,000	\$ 40,000
Tender & Advertising, Art	\$ 25,000	\$ 20,000
Construction Material Testing	\$ 29,000	\$ 25,000
Other, Including Utility Relocates	\$ 150,000	\$ 176,000
Traffic Signals, Detour	\$ 75,000	\$ 79,000
<b>Total External Costs</b>	<b>\$ 379,000</b>	<b>\$ 340,000</b>
<b>Total Project Costs (Rounded)</b>	<b>\$ 6,080,000</b>	<b>\$ 6,080,000</b>

### Asphalt Cement Adjustment

A primary component in the manufacturing of asphalt is liquid asphalt cement (LAC). Contractors base their tender bids for asphalt based on the Ministry of Transportation of Ontario's Liquid Asphalt Price Index. The purchase price for LAC is expected to be extremely volatile over this coming construction seasons due to global issues. The current price for LAC is \$1,065/tonne.

The City of Burlington, as well as the MTO and many other municipalities have adopted a policy of adjusting the price paid for asphalt to the current price index for LAC at the time of tender. The adjustment is made at the time when the asphalt is placed. This policy creates market fairness for all contractors during the tendering process.

The price for LAC may climb as high as \$1,500/tonne during the time frame when the paving will occur for this project, resulting in an overall increase in the cost of asphalt placed on this project of \$65,000. This amount has been included in the overall project estimate as noted above.

## Source of Funding

The following table presents a summary of the project funding:

	<b>Project Budget</b>	<b>Tender Award</b>
<b>Project Financing (RA0253)</b>		
Infrastructure Renewal Reserve Fund	\$ 1,460,000	\$ 1,460,000
Infrastructure Renewal Reserve Fund (BG0055)	\$ 200,000	\$ 200,000
Tax Supported Debt	\$ 2,200,000	\$ 2,200,000
Canada Community Building Fund (Formerly Federal Gas Tax)	\$ 2,170,000	\$ 2,170,000
Canada Community Building Fund (BG0055) (Formerly Federal Gas Tax)	\$ 50,000	\$ 50,000
<b>Total Project Financing</b>	<b>\$ 6,080,000</b>	<b>\$ 6,080,000</b>

- RA0253 – Lakeshore Road Resurfacing (Guelph Line to Walker’s Line)
- BG0055 – Pine Cove Bridge and Tuck Creek Culvert

## Other Resource Impacts

Not applicable

## Climate Implications

The Pine Cove Bridge replacement is the final in a series of projects to improve erosion and flood mitigation in and around Roseland Creek. The opening of the structure is being increased to the structure will be able to handle the 100 year storm flow.

## Engagement Matters:

A virtual Public Information Centre was held on January 18, 2023.

Area residents and business owners were notified by:

- Direct mail
- The City’s project web page
- Advertisement in the Burlington Post

The Public Information Center provided an overview on the following:

- Construction plans and renderings
- Construction schedule
- Detour routes
- An open forum for residents and area business owners to ask questions and provide comments
- Direction to the project web page

Upon award of this contract, letters will be delivered to affected homes and businesses prior to the beginning of construction. As construction progresses, project updates will be delivered to affected residents on a regular basis. The project updates and associated road closure information will also be made available on the City's website.

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### **Conclusion:**

Staff are recommending that tender ES-23-02, Lakeshore Road Resurfacing & Pine Cove Bridge Replacement, be awarded to Rankin Construction Inc.

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Respectfully submitted,

Jeff Thompson, CET  
Senior Project Manager  
335-7600 ext. 7669

### **Report Approval:**

All reports are reviewed and/or approved by Department Director, the Chief Financial Officer and the Executive Director of Legal Services & Corporation Counsel.