



City of Richmond

Report to Committee

To: Public Works and Transportation Committee **Date:** September 12, 2022
From: Milton Chan, P.Eng **File:** 10-6340-20-
Director, Engineering P.2022CR00136/Vol 01
Re: **Proposed 2023 Paving Program**

Staff Recommendation

That the staff report titled, "Proposed 2023 Paving Program," dated September 12, 2022, from the Director, Engineering be received for information.

Milton Chan, P.Eng
Director, Engineering
(604-276-4377)

Att. 3

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Roads & Construction	✓	
SENIOR STAFF REPORT REVIEW	INITIALS:	APPROVED BY CAO

Staff Report

Origin

This report supports Council's Strategic Plan 2018-2022 Strategy #1 A Safe and Resilient City:

Enhance and protect the safety and well-being of Richmond.

1.2 Future-proof and maintain city infrastructure to keep the community safe.

As in previous years, staff are presenting the annual paving program report for information purposes.

Background

The Paving Program is required to maintain the City's road network at current operating levels, as well as reduce the need for costly repairs. Staff have developed a prioritized list of locations that will be included in the 2023 Paving Program.

Analysis

The scope of work includes the milling and paving of roads and asphalt surfaces in priority order, as identified by the City's Pavement Management System and staff. This also includes preparatory work such as curb and gutter repairs. The Pavement Management System software takes into account items such as the age, structure and current condition of the road. Updated pavement deflection data is gathered to ensure that the Pavement Management System model results are accurate. The data is being gathered on an assortment of road types (arterial roads, the TransLink Major Road Network (MRN), recently resurfaced segments, and sections with substantial surface cracking). TransLink provides funding for the MRN projects. Non-MRN projects are funded by the City.

Attachment 1 provides a list of the primary paving sites to be included in the 2023 Paving Program. As with past years, it is possible that some of the identified paving locations may not be able to be completed due to conflict with development projects, which are unknown at this time. Any deferred primary paving locations would be replaced with the secondary paving locations, should the seasonal paving restrictions permit. These secondary locations are listed in Attachment 2. Two maps of the proposed paving locations –Richmond West and Richmond East – are included in Attachment 3.

In most years, some paving work is required to address unforeseen road condition issues that arise during the year, such as settling utility trenches. These are added to the Paving Program throughout the course of the year. Since the specific locations are not known at this time and are not shown on the attached location maps.

The tender for this year's Paving Program is tentatively scheduled to be issued to the market in November 2022. Historically, early tendering of this program has resulted in increased competitiveness, and lower costs to the City. However, asphalt paving material pricing has

increased by 50% since 2021 due to the sharp increase in global oil and gas prices. As a result, staff are taking measures to ensure that future paving contract procurements receive competitive pricing and provide good value to the City. This includes monitoring the market to ensure ideal timing to issue tenders, and the potential of including a variable cost, commodity price indexing structure in future paving contracts.

The 2023 Paving Program also includes an amendment to the City's standard tendering practices, reflecting the City's environmental initiatives and allowing the use of recycled asphalt. In alignment with the City's sustainability goals, the successful bidder will be encouraged to employ sustainable methodologies, practices and materials that would assist in reducing harmful emissions. The tender will also note that the contract award is subject to approval of the 2023 Capital Budget by Council if market conditions indicate that favourable pricing would be received by issuing the tender to market early.

Financial Impact

Proposed funding for the 2023 Paving Program has been submitted as part of the 2023 Capital Budget as follows:

Table 1. Proposed 2023 Paving Program Budgets

Proposed Funding	Amount (\$)
2023 Annual Asphalt Re-Paving Program – MRN	\$ 1,653,415
2023 Annual Asphalt Re-Paving Program – Non-MRN	\$ 3,581,595
Total Proposed Funding	\$ 5,235,010

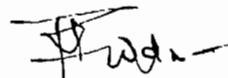
Award of the 2023 Paving Program will occur once the 2023 Capital Budget is approved by Council.

Conclusion

Staff have prepared a list of priority locations for the 2023 Paving Program and the procurement documents are being prepared. Contract award and commencement of paving will occur once the 2023 Capital Budget is approved by Council.



Eric Sparolin, P. Eng.
Manager, Engineering Design & Construction
(604-247-4915)



Wasim Memon
Supervisor – Inspections
(604-247-4189)

- Att. 1: 2023 Paving Program – Primary Locations
 2: 2023 Paving Program – Additional Locations
 3: 2023 Paving Program Proposed Locations – Richmond West and Richmond East

2023 PAVING PROGRAM – PRIMARY LOCATIONS

Location	Road Type
Westminster Highway (North of Highway 91 to McLean Avenue)	MRN
Westminster Highway (No. 5 Road to Highway 99 access ramp)	MRN
Westminster Highway (Gilbert Road to No. 3 Road)	MRN
No.3 Road South Bound Lane (Capstan Way to Alderbridge Way)	MRN
Steveston Highway (No. 5 Road to start of MoT Jurisdiction)	MRN
No.5 Road (Williams Road to Kingsbridge Drive)	Non-MRN
No.3 Road (Francis Road to Blundell Road)	Non-MRN
Garden City Road (Westminster Highway to Lansdowne Road)	Non-MRN
Francis Road (No. 1 Road to Lancelot Gate)	Non-MRN
Craigflower Gate (Francis Road to Craigflower Drive)	Non-MRN
Shell Road (Hammersmith Gate to 600m north)	Non-MRN
Hammersmith Gate (Shell Road to Hammersmith Way)	Non-MRN
No.6 Road (Steveston Highway to Triangle Road)	Non-MRN
River Road (Cambie to Capstan Way)	Non-MRN
River Road (No. 3 Road to Charles Street)	Non-MRN
Viking Way (Bridgeport Road to Vulcan Way)	Non-MRN
Viking Place (Viking Way to 80m east)	Non-MRN
Jacombs Road (Cambie Road to Bathgate Way)	Non-MRN
Bathgate Way (Sweden Way to Jacombs Road)	Non-MRN
Wilkinson Road (No. 4 Road to Swinton Crescent)	Non-MRN
Shell Road (River Drive to River Road)	Non-MRN
Leonard Road (Ryan Road to Williams Road)	Non-MRN
Park Road (No. 3 Road to Buswell Street)	Non-MRN
Boundary Road (Thompson Gate to Westminster Highway)	Non-MRN

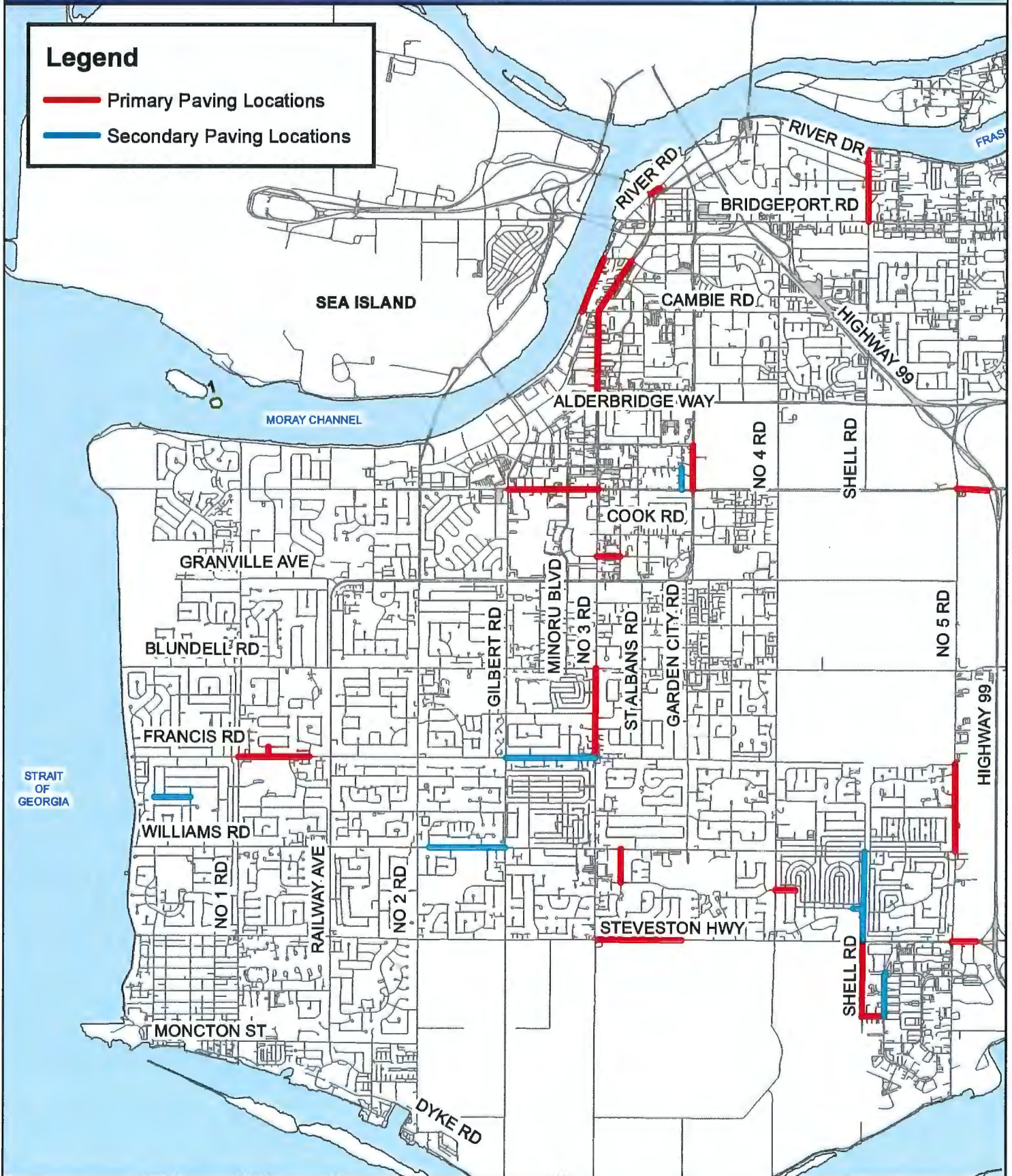
2023 PAVING PROGRAM – ADDITIONAL LOCATIONS

Location	Road Type
Francis Road (Gilbert Road to No. 3 Road)	Non-MRN
Williams Road (Parsons Road to Gilbert Road)	Non-MRN
Shell Road (Steveston Highway to Williams Road)	Non-MRN
Maddocks Road (Aintree Drive to Shell Road)	Non-MRN
Vulcan Way (No. 6 Road to 600m west)	Non-MRN
Arcadia Road (Westminster Highway to Ackroyd Road)	Non-MRN
Trumond Ave (Wellmond Road to Gormond Road)	Non-MRN
Hammersmith Way (Hammersmith Gate to Coppersmith Way)	Non-MRN

Richmond 2023 Paving Program Proposed Locations – Richmond West

Legend

- Primary Paving Locations
- Secondary Paving Locations



Note:
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PWT - 24

0 250 500 1,000 1,500
Meters
Print by: mlawrence
Print Date: September 2022





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PWT - 25

0 275 550 1,100 1,650 Meters
Print by: mlawrence
Print Date: September 2022



To: O'Halloran,Matt
Subject: RE: **second request** Transportation Committee - Question

From:
Sent: October 12, 2022 6:30 PM
To: O'Halloran,Matt <MO'Halloran@richmond.ca>; CityClerk <CityClerk@richmond.ca>
Subject: Re: **second request** Transportation Committee - Question

City of Richmond Security Warning: This email was sent from an external source outside the City. Please do not click or open attachments unless you recognize the source of this email and the content is safe.

Hello,

The item is not on the agenda currently posted on the City's website. It pertains to safety improvements that I and others are seeking the City implement along the Railway Avenue Pathway (path along the greenway). I have spoken with Staff in Parks and they've advised me that this is the committee to present these issues. As part of the presentation, I will have a video / images to display during the meeting. I will send these to the Clerks Office in advance. I will also be providing the Clerks Office with a copy of a petition I plan to present to the committee. The website says "Meeting: **At 4:00 p.m. on the Tuesday preceding the second Council meeting of each month**". However, I understand that the meeting is Wednesday, October 19 at 4pm. Is this correct?

Thank you in advance,

Kevin

On Wed, Oct 12, 2022 at 2:28 PM O'Halloran,Matt <MO'Halloran@richmond.ca> wrote:

The address is 6911 No. 3 Road

Matt O'Halloran | Manager, Legislative Services
City of Richmond | 6911 No.3 Road, Richmond, BC V6Y 2C1
Phone: 604-276-4098 | Fax: 604-278-5139
Email: mohalloran@richmond.ca