



**Public Works and Transportation Committee
Electronic Meeting**

**Council Chambers, City Hall
6911 No. 3 Road**

**Wednesday, October 19, 2022
4:00 p.m.**

Pg. # ITEM

MINUTES

PWT-4 *Motion to adopt the **minutes** of the meeting of the Public Works and Transportation Committee held on September 21, 2022.*



NEXT COMMITTEE MEETING DATE

November 23, 2022, (tentative date) at 4:00 p.m. in Council Chambers

PLANNING AND DEVELOPMENT DIVISION

- 1. REVIEW OF ACCESSIBLE PARKING AT CITY FACILITIES**
(File Ref. No. 10-6455-03) (REDMS No. 6927254)

PWT-10

See Page PWT-10 for full report

Designated Speaker: Sonali Hingorani

STAFF RECOMMENDATION

That the improvements to provide van accessible parking spaces at City facilities, as described in the report titled "Review of Accessible Parking at City Facilities", dated September 20, 2022 from the Director, Transportation, be received for information.



ENGINEERING AND PUBLIC WORKS DIVISION

2. **CONTRACT 6511Q – ON-CALL PLUMBING CONTRACTOR**
(File Ref. No. 99-PDFM) (REDMS No. 6962838)

PWT-15

See Page PWT-15 for full report

Designated Speaker: Jeff Lee

STAFF RECOMMENDATION

- (1) *That staff be authorized to increase the value of the current contract “6511Q – On-Call Plumbing Contractor” with PJB Mechanical Plumbing and Heating, Entity Mechanical Ltd. and Ashton Service Group, as detailed in the report titled “Contract for 6511Q – On-Call Plumbing Contractor” dated September 16, 2022 from the Director, Facilities and Project Development for the maximum total amount of \$2,182,000 over the maximum available term of five years; and*
- (2) *That the Chief Administrative Officer and General Manager, Engineering and Public Works be authorized to execute the contract amendment and all related documentation with PJB Mechanical Plumbing and Heating, Entity Mechanical Ltd. and Ashton Service Group, to reflect the increase in predicted usage of services over the five-year term.*



3. **PROPOSED 2023 PAVING PROGRAM**
(File Ref. No. 10-6340-20-P) (REDMS No. 6970409)

PWT-19

See Page PWT-19 for full report

Designated Speaker: Eric Sparolin and Kevin Roberts

Public Works & Transportation Committee Agenda – Wednesday, October 19, 2022

Pg. # ITEM

STAFF RECOMMENDATION

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

☐

4. MANAGER'S REPORT

ADJOURNMENT

☐



Public Works and Transportation Committee

Date: Wednesday, September 21, 2022

Place: Council Chambers
Richmond City Hall

Present: Councillor Chak Au, Chair
Councillor Alexa Loo
Councillor Andy Hobbs
Councillor Linda McPhail
Councillor Michael Wolfe (by teleconference)

Also Present: Councillor Bill McNulty
Councillor Harold Steves (by teleconference)

Call to Order: The Chair called the meeting to order at 3:35 p.m.

MINUTES

It was moved and seconded

That the minutes of the meeting of the Public Works and Transportation Committee held on July 20, 2022, be adopted as circulated.

CARRIED

PLANING AND DEVELOPMENT DIVISION

1. KITTIWAKE DRIVE – TRAFFIC CALMING UPDATE

(File Ref. No. 10-6450-09-01) (REDMS No. 6925519)

In reply to queries from the Committee, staff advised (i) numerous traffic calming devices are available for use in this location, (ii) an assessment of the effectiveness of the speed cushions will be undertaken following the six-month trial period to determine if it is a viable permanent solution, (iii) temporary traffic circles could be installed for a trial period at a higher cost, (iv) additional speed cushions have been procured for use in other locations that have speeding issues if the trial proves successful, (v) the installation of flashing pedestrian crossing signals are prioritized at locations throughout the City, (vi) a small solar powered pedestrian crossing signal could be installed at the intersection if directed to do so by Council, and (vii) the design of the speed cushions allow emergency vehicles to pass without reducing their speed.

It was moved and seconded

That Option 3 to implement a pilot project for the temporary installation of two speed cushions on Kittiwake Drive for a trial period of six months, as described in the staff report titled “Kittiwake Drive – Traffic Calming Update”, dated September 6, 2022, from the Director, Transportation, be endorsed.

CARRIED

2. REMOVAL OF CHANNELIZED RIGHT-TURN ISLANDS TO IMPROVE ROAD SAFETY

(File Ref. No. 10-6460-01) (REDMS No. 6942248)

In reply to queries from the Committee, staff advised (i) the criteria used to identify the intersections requiring further study, and (ii) the timeframe for future studies to be undertaken is one to two years.

It was moved and seconded

That the City request the Ministry of Transportation and Infrastructure and Vancouver Airport Authority review channelized right-turn island locations in Richmond that are within their jurisdictions to improve road safety at these intersections.

CARRIED

ENGINEERING AND PUBLIC WORKS DIVISION

3. AWARD OF CONTRACT: 8058P – GARBAGE AND CARDBOARD CONTAINERS AND COLLECTION SERVICES AT CITY FACILITIES

(File Ref. No. 10-6370-01) (REDMS No. 6936833)

In reply to a query from the Committee, staff advised that the contractor has confirmed that it is a living wage employer.

It was moved and seconded

- (1) That Contract 8058P – Garbage and Cardboard Containers and Collection Services at City Facilities be awarded for a three-year term, commencing November 1, 2022 to Super Save Group of Companies at an estimated total contract value of \$383,672.74, as described in the report titled “Award of Contract: 8058P – Garbage and Cardboard Containers and Collection Services at City Facilities”, dated August 11, 2022, from the Director, Public Works Operations; and*
- (2) That the Chief Administrative Officer and General Manager, Engineering and Public Works be authorized to extend the initial three-year term, up to the maximum total term of five years, for the maximum total amount of \$665,714.80, as described in the report titled “Award of Contract: 8058P – Garbage and Cardboard Containers and Collection Services at City Facilities”, dated August 11, 2022, from the Director, Public Works Operations.*

CARRIED

4. FRASER RIVER FRESHET AND FLOOD PROTECTION UPDATE 2022

(File Ref. No. 10-6060-01) (REDMS No. 6916829)

In reply to queries from the Committee, staff advised (i) the temporary Horseshoe Slough drainage pump station will be installed at Steveston Highway and Shell Road, (ii) the majority of drainage pump stations are equipped with fueled back-up generators that can be deployed in the event of an emergency, (iii) staff proactively inspects and promptly rectifies issues with the dikes throughout the City, (iv) there has not been direct communication with businesses about the planned flood protection upgrades, (v) there is no process to enable businesses to be involved in expediting the installation of a drainage pump station, and (vi) the service plan process can be utilized by businesses and residents who wish to contribute to the cost of installing drainage pump stations.

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Discussion ensued regarding the suggestion to seek grant funding for flood protection from the Union of BC Municipalities (UBCM).

It was moved and seconded

That the staff report titled “Fraser River Freshet and Flood Protection Update 2022”, dated August 10, 2022, from the Director, Engineering be received for information.

CARRIED

As a result of the discussion, the following **referral** motion was introduced:

It was moved and seconded

That staff be requested to provide a copy of the report to the Metro Vancouver Flood Committee.

CARRIED

5. **MANAGER’S REPORT**

(i) Transportation

Staff reported (i) the traffic signal at the intersection of No. 1 Road and Francis Road has been upgraded with an eastbound left turn arrow to improve traffic safety at the intersection, and (ii) a pop-up engagement event will be held at City Centre to gather data for the design of the Capstan Station integration strategy.

In reply to queries from the Committee, staff advised (i) information will be provided on the estimated duration of the closure of the north westbound lane of the Cambie Overpass, and (ii) the LED lights on Graybar Road may have failed, which may be the cause of the blue colouring of the lights.

COUNCILLOR MICHAEL WOLFE

6. **SAFETY MEASURES FOR HEAVY TRUCKS**

(File Ref. No.)

It was moved and seconded

(1) That the City of Richmond owned and contracted heavy trucks are mandated to have side guards;

Public Works & Transportation Committee
Wednesday, September 21, 2022

- (2) *That we encourage the installation of additional blind spot side mirrors and the use of back up cameras;*
- (3) *That we review bike lanes in terms of turning conflicts and mitigate to reduce risk to vulnerable road users;*
- (4) *That we advocate with regional, provincial and federal authorities to create consistent framework for truck operators; and*
- (5) *That we advocate to ICBC and truck-driving associations to deliver increased driver education to better inform of the responsibilities regarding vulnerable road users.*

The question on the motion was not called as discussion ensued.

In reply to queries from the Committee, staff advised (i) investigations into the cost, engineering and operational impacts of installing side-guards on City-owned and contracted heavy trucks to enhance safety are underway, and (ii) a report on the feasibility of installing side guards can be provided to the Committee in the first quarter of 2023.

Discussion ensued regarding (i) the need to install side-guards on City fleet vehicles to prevent a fatality, similar to that which occurred in Vancouver in July 2022, and (ii) suggestion to request the RCMP raise the issue with the BC Traffic Safety Committee of the BC Chiefs of Police.

Jesse Li expressed concern with the safety of cycling on Richmond streets and recommended that the City's actions align with the City of Vancouver's requirement for side guards to be installed on heavy trucks.

Donna Kwan provided information from a report that concludes that the number of fatalities and serious injuries among pedestrians and cyclist could be reduced in certain types of collisions with the installation of well-designed side guards on all trucks.

As a result of the discussion, the following **amendment** was introduced.

It was moved and seconded

- (1) *That Item 1 be amended to "That staff investigate and report back on the implications of the City of Richmond owned and contracted heavy trucks to be mandated to have side guards"; and*
- (2) *That Item 6 be added as follows "That staff report back on any immediate actions that can be taken to improve cyclist safety".*

CARRIED

Public Works & Transportation Committee

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The question on the main motion, as amended to a **referral motion** which reads as follows, was then called:

It was moved and seconded

- (1) *That staff investigate and report back on the implications of the City of Richmond owned and contracted heavy trucks to be mandated to have side guards;*
- (2) *That we encourage the installation of additional blind spot side mirrors and the use of back up cameras;*
- (3) *That we review bike lanes in terms of turning conflicts and mitigate to reduce risk to vulnerable road users;*
- (4) *That we advocate with regional, provincial and federal authorities to create consistent framework for truck operators;*
- (5) *That we advocate to ICBC and truck-driving associations to deliver increased driver education to better inform of the responsibilities regarding vulnerable road users; and*
- (6) *That staff report back on any immediate actions that can be taken to improve cyclist safety.*

CARRIED

ADJOURNMENT

It was moved and seconded

That the meeting adjourn (4:45 p.m.).

CARRIED

Certified a true and correct copy of the Minutes of the meeting of the Public Works and Transportation Committee of the Council of the City of Richmond held on Wednesday, September 21, 2022.

Councillor Chak Au
Chair

Carol Lee
Recording Secretary



City of Richmond

Report to Committee

To: Public Works and Transportation Committee
From: Lloyd Bie, P.Eng.
Director, Transportation
Date: September 20, 2022
File: 10-6455-03/2022-Vol 01
Re: Review of Accessible Parking at City Facilities

Staff Recommendation

That the improvements to provide van accessible parking spaces at City facilities, as described in the report titled "Review of Accessible Parking at City Facilities", dated September 20, 2022 from the Director, Transportation, be received for information.

Lloyd Bie, P.Eng.
Director, Transportation
(604-276-4131)

Att.1

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Community Social Development	<input checked="" type="checkbox"/>	
Recreation Services	<input checked="" type="checkbox"/>	
Facility Services & Project Development	<input checked="" type="checkbox"/>	
Roads & Construction	<input checked="" type="checkbox"/>	
SENIOR STAFF REPORT REVIEW	INITIALS: 	APPROVED BY CAO

Staff Report

Origin

Zoning Bylaw No. 8500 was updated in 2018 to include off-street van accessible parking spaces, which provide additional width for side loading (Figure 1). These parking spaces can be used by any motorist displaying an accessible parking permit. The City implements the accessible parking regulations through the redevelopment process, on a request basis in consultation with the Richmond Committee on Disability or through retrofit projects when line painting at existing City facilities is planned.



Figure 1: Van Accessible Parking Space at Minoru Centre for Active Living

In 2020, an Interdepartmental Accessibility Committee (IAC) was formed to further accessibility across City planning and operations. A part of the committee's focus is advancing accessibility in the built environment. In support of the IAC's work, this report summarizes staff's review of City facility parking lots to identify opportunities to incorporate accessible features and design into planned retrofits and upgrades.

This report supports Council's Strategic Plan 2018-2022 Strategy #4 An Active and Thriving Richmond:

An active and thriving community characterized by diverse social and wellness programs, services and spaces that foster health and well-being for all.

4.2 Ensure infrastructure meets changing community needs, current trends and best practices.

Analysis

Review of Accessible Parking at City Facilities

Facilities staff provided a list of 32 City parking lots (Attachment 1) planned for line marking improvements in 2022/2023. This list provides a work plan for staff to assess each site to determine any changes required to achieve Zoning Bylaw compliance as part of the maintenance work.

To date, staff completed a comprehensive review of the current accessible parking arrangements for 17 of these sites. The selection of sites reviewed were based on input from each facility related to existing paint conditions, parking demand and demographics. Accessible parking design layouts are developed for these parking locations to meet the provisions in the Zoning Bylaw and implementation of accessible parking stalls improvements in City facilities is underway.

To date, accessible parking enhancements have been implemented at 5 of the City-owned parking lots at a cost of \$7,000 (Figure 2). Staff will continue to assess the remaining sites in the work plan to determine the accessibility upgrades warranted for each with implementation of improvements anticipated to occur by the end of 2023.

A funding need of \$50,000 (2022 dollars) is estimated to implement the van accessible parking enhancements at the remaining locations (27 sites) and the annual Operating Budget Impacts (OBI) to complete maintenance and re-painting on a 3 to 5 year cycle is \$5,000.



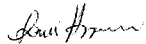
Figure 2: Before and After Accessible Parking Stall Layout at Garratt Wellness Centre

Financial Impact

None at this time. Financial impacts will be identified through future capital programs.

Conclusion

The completed and planned upgrade of City parking lots to include van accessible parking spaces will advance the social development and transportation goals, objectives and actions outlined in the Official Community Plan and related City strategies, including the Social Development Strategy.



Sonali Hingorani P.Eng.
Transportation Engineer
(604-276-4049)

SH:sh

Att. 1: 2022/23 Work Plan of City Parking Lots for Accessibility Review

2022/23 Work Plan of City Parking Lots for Accessibility Review

	Reviewed in 2022	Accessible Enhancements Implemented
Fire Hall #4 – Sea Island	✓	
Fire Hall #5 – Hamilton	✓	
Richmond Ice Centre – Riverport	✓	
Hugh Boyd Park – Caretaker	✓	✓
McDonald Beach – Fieldhouse & Caretaker	✓	✓
West Richmond Pitch & Putt Clubhouse	✓	✓
Park House – River Road	✓	
Brighthouse Park – Fieldhouse & Caretaker	✓	
Works Yard - Staff Parking Lot	✓	
Gateway Theatre – South Parking Lot	✓	
Richmond Curling Club	✓	
Thompson Community Centre	✓	✓
Garratt Wellness Centre	✓	✓
Library & Cultural Centre	✓	
Minoru Parkade	✓	
Fire Hall #3 – Cambie		
Steveston Park Fieldhouse & Caretaker		
Steveston Park Fieldhouse Garage		
Garden City Park – Washrooms		
Provincial Courthouse		
Minoru Park Grandstands		
Works Yard Administration	✓	
Cambie Community Centre		
Gateway Theatre – North Parking Lot	✓	
Hamilton Community Centre		
RCMP Community Safety Building		
Steveston Community Police Station		
Garden City Park – Caretaker		
McNair Park – Fieldhouse & Caretaker		
South Arm Community Hall		



City of Richmond

Report to Committee

To: Public Works and Transportation Committee **Date:** September 16, 2022
From: Jim V. Young, P. Eng.
Director, Facilities and Project Development **File:** 99-PDFM/2022-Vol 01
Re: Contract 6511Q – On-Call Plumbing Contractor

Staff Recommendation

1. That staff be authorized to increase the value of the current contract “6511Q – On-Call Plumbing Contractor” with PJB Mechanical Plumbing and Heating, Entity Mechanical Ltd. and Ashton Service Group, as detailed in the report titled “Contract for 6511Q – On-Call Plumbing Contractor” dated September 16, 2022 from the Director, Facilities and Project Development for the maximum total amount of \$2,182,000 over the maximum available term of five years;
2. That the Chief Administrative Officer and General Manager, Engineering and Public Works be authorized to execute the contract amendment and all related documentation with PJB Mechanical Plumbing and Heating, Entity Mechanical Ltd. and Ashton Service Group, to reflect the increase in predicted usage of services over the five-year term.

Jim V. Young, P. Eng.
Director, Facilities and Project Development
(604-247-4610)

REPORT CONCURRENCE		
ROUTED TO: Finance Department	CONCURRENCE <input checked="" type="checkbox"/>	CONCURRENCE OF GENERAL MANAGER
SENIOR STAFF REPORT REVIEW	INITIALS: 	APPROVED BY CAO

Staff Report

Origin

At the Closed Council Meeting on September 23, 2019, Resolution number IC19/14-7 was carried:

Item 3. AWARD OF CONTRACT 6511Q – ON CALL PLUMBING CONTRACTOR
(File Ref. No. 03-1000-20-511Q)

(1) That Contract 6511Q, as detailed in the staff report titled “Award of Contract 6511Q – On-Call Plumbing Contractor” dated August 21, 2019 from the Acting Director, Facilities be awarded for a five-year term commencing October 1, 2019, to all three responsive responsible bidders with the intent of assigning the majority of work to PJB Mechanical Ltd. as the primary service provider while Entity Mechanical Ltd. and Ashton Service Group serve as secondary backup service providers, for an estimated average annual amount of \$300,000, with an approximate total value of \$1,500,000 over a 5 year period; and

(2) That the above recommendation be announced at the next open Council meeting.

This report seeks Council approval to increase the Contract 6511Q spending limit to \$2,182,000.

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.

1.3 Ensure Richmond is prepared for emergencies, both human-made and natural disasters.

1.4 Foster a safe, caring and resilient environment.

This report supports Council’s Strategic Plan 2018-2022 Strategy #5 Sound Financial Management:

Accountable, transparent, and responsible financial management that supports the needs of the community into the future.

5.2 Clear accountability through transparent budgeting practices and effective public communication.

Background

Contract 6511Q – On-Call Plumbing Contractor was awarded through a competitive bid process issued to the marketplace on March 7, 2019 and closed March 28, 2019. Three quotations were received by the closing date and were reviewed by staff. As the solicitation was a Request for Quotation (RFQ), the review was primarily based on each bidder's hourly rates, fixed for the duration of the contract. The work was awarded to three bidders, with PJB Mechanical Plumbing and Heating as the primary service provider and Entity Mechanical Ltd. and Ashton Service Group serving as secondary backup service providers.

The general scope of Contract 6511Q is for external plumbing contractors to provide on-call repair, preventative maintenance, and service and retrofitting of a variety of building plumbing systems at City facilities.

Council approval to award this contract over the full five-year term was received in 2019, prior to the COVID-19 pandemic. This estimate of \$1,500,000 was based on several years of cost data for this service, which takes into consideration historical plumbing related requirements and demands associated with the City's aging facility infrastructure.

Performance of awarded contractors PJB Mechanical Plumbing and Heating, Entity Mechanical Ltd. and Ashton Service Group have met and exceeded the City's requirements and represents good value to the City.

The impacts of the pandemic were not contemplated when the value of Contract 6511Q was estimated in 2019 as the pandemic was not known to the City until 2020. Actions taken to prevent the transmission of disease and virus in City buildings have led to increased spending on plumbing infrastructure.

Analysis

The cost for plumbing services have exceeded original estimates due to the COVID-19 pandemic. The greatest increase in services occurred through significant investment in the plumbing infrastructure of City-owned facilities, particularly installation of touchless amenities in washrooms and kitchenettes to prevent the spread of virus and disease which were thought to be spread through contact with surfaces. Maintenance of the touchless systems is also projected to increase future costs, based on the additional complexity of repairs and increased cost of replacement parts.

The Council approved spending limit under Contract 6511Q is \$1,500,000 for a period of five years ending October 1, 2024.

The cost incurred under the Facility Services operating budget for plumbing services under Contract 6511Q from contract award in October 2019 to August 31, 2022 is approximately \$1,300,000. There is only approximately \$200,000 Council approved spending left for the remaining two years of the contract, which is insufficient to maintain the current level of service until the contract expires on October 1, 2024.

The estimated total cost to continue plumbing services at the current level under Contract 6511Q from August 31, 2022 to October 1, 2024 is \$2,182,000, which leaves a shortfall of Council approved spending of approximately \$682,000.

Council approval is required to increase the spending limit under Contract 6511Q from \$1,500,000 to \$2,182,000.

Financial Impact

None. The increased cost for plumbing services has been offset through savings in other areas.

The City applied to the Province of British Columbia for emergency pandemic related funding for the touchless upgrades to City facilities but was denied.

Conclusion

Upgrades to touchless washrooms by our plumbing contractors have been part of the City's response to the COVID-19 pandemic, to promote safe and healthy environments in our facilities. Costs under contract 6511Q – On-Call Plumbing Contractor have exceeded original estimates due to investment in plumbing infrastructure. This report seeks approval to increase the Council approved spending limit to \$2,182,000 over the five-year term.



Jeff Lee, CEM, RPA, FMA
Manager, Facility Services
(604-276-4027)

JL:cc



City of Richmond

Report to Committee

To: Public Works and Transportation Committee
From: Milton Chan, P.Eng
Director, Engineering
Date: September 12, 2022
File: 10-6340-20-
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: Roads & Construction	CONCURRENCE ✓	CONCURRENCE OF GENERAL MANAGER
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

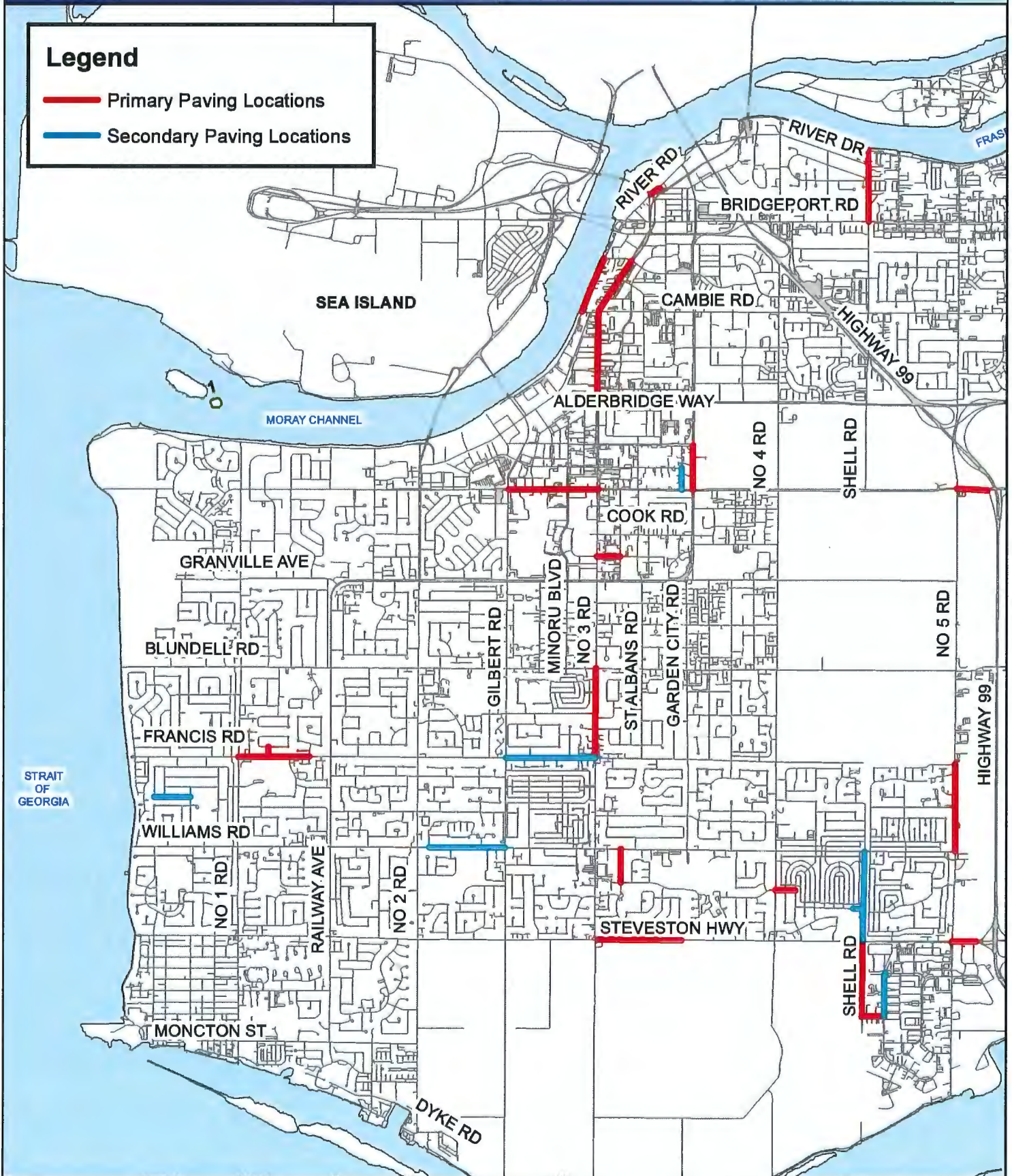
Location	Road Type
Francis Road (Gilbert Road to No. 3 Road)	Non-MRN
Williams Road (Parsons Road to Gilbert Road)	Non-MRN
Shell Road (Steveston Highway to Williams Road)	Non-MRN
Maddocks Road (Aintree Drive to Shell Road)	Non-MRN
Vulcan Way (No. 6 Road to 600m west)	Non-MRN
Arcadia Road (Westminster 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:
The information shown on this map is compiled from various sources and the City makes no
warranties, expressed or implied, as to the accuracy or completeness of the information.
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PWT - 24

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





Richmond 2023 Paving Program Proposed Locations – Richmond East



Legend

- Primary Paving Locations
- Secondary Paving Locations

Notes:
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PWT - 25

0 275 550 1,100 1,650 Meters
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