



# City of Richmond

## Report to Committee

**To:** Public Works and Transportation Committee  
**From:** Victor Wei, P. Eng.  
Director, Transportation  
**Date:** May 15, 2018  
**File:** 01-0150-20-ICBC1-  
01/2018-Vol 01  
**Re:** **ICBC-City of Richmond Road Improvement Program – Proposed Projects for 2018**

### Staff Recommendation

1. That the list of proposed road safety improvement projects, as described in Attachment 2 of the staff report titled "ICBC-City of Richmond Road Improvement Program – Proposed Projects for 2018," dated May 15, 2018 from the Director, Transportation be endorsed for submission to the ICBC 2018 Road Improvement Program for consideration of cost-share funding; and
2. That should the above applications be successful, the Chief Administrative Officer and General Manager, Planning and Development be authorized to negotiate and execute the cost-share agreements, and that the 5-Year Financial Plan (2018-2022) be amended accordingly.

Victor Wei, P. Eng.  
Director, Transportation  
(604-276-4131)

Att. 2

REPORT CONCURRENCE		
<b>ROUTED TO:</b>	<b>CONCURRENCE</b>	<b>CONCURRENCE OF GENERAL MANAGER</b>
Finance Engineering Law RCMP	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
<b>REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE</b>	<b>INITIALS:</b> 	<b>APPROVED BY CAO</b> 

## Staff Report

### Origin

At the March 27, 2017 Council meeting, Council endorsed a number of proposed joint ICBC-City of Richmond road safety improvement projects for 2017. This report summarizes the projects implemented in 2017 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2018 ICBC-City of Richmond *Road Improvement Program* partnership.

This report supports Council's 2014-2018 Term Goal #3 A Well-Planned Community:

*Adhere to effective planning and growth management practices to maintain and enhance the livability, sustainability and desirability of our City and its neighbourhoods, and to ensure the results match the intentions of our policies and bylaws.*

3.3. *Effective transportation and mobility networks.*

This report supports Council's 2014-2018 Term Goal #5 Partnerships and Collaboration:

*Continue development and utilization of collaborative approaches and partnerships with intergovernmental and other agencies to help meet the needs of the Richmond community.*

5.2. *Strengthened strategic partnerships that help advance City priorities.*

### Analysis

The City has been in partnership with ICBC in the *Road Improvement Program* since 1994. This partnership is a vital component of the City's traffic safety program as it enables the City not only to undertake more traffic safety enhancements than it could alone, but also to expedite some of these road safety improvement projects. Each year, a list of potential eligible capital projects is developed for inclusion in the *Road Improvement Program* based on community requests and input from the Traffic Safety Advisory Committee and other stakeholders.

#### Completed 2017 ICBC-City of Richmond Road Improvement Projects

As shown in Attachment 1, a number of City projects fully or substantially completed in 2017 will receive a total of \$179,890 in funding from ICBC's 2017 *Road Improvement Program*.

#### Proposed 2018 ICBC-City of Richmond Road Improvement Projects

Attachment 2 identifies a range of projects proposed for submission to the 2018 *Road Improvement Program* for funding contribution from ICBC that would provide benefits for all road users (i.e., motorists, cyclists, pedestrians, transit users).

ICBC's potential funding contribution to these projects will be determined by historical traffic crash rates at these locations and the estimated reduction in ICBC claim costs resulting from the

proposed traffic safety improvements as well as eligibility of the project vis-à-vis the funding guidelines. The outcome of ICBC's review of the projects will be reported back as part of the 2019 ICBC *Road Improvement Program*.

Upon approval of a project by ICBC, the City would be required to enter into a funding agreement with ICBC. The agreement is provided by ICBC and generally includes an indemnity in favour of ICBC. Staff recommend that the Chief Administrative Officer and General Manager, Planning and Development be authorized to execute the funding agreements for the approved projects and that the 2018 Capital Plan and 5-Year Financial Plan (2018-2022) be amended accordingly to reflect the receipt of external grants. Should any submitted projects receive funding from ICBC, the City's portion of the total capital cost would be reduced accordingly.

### **Financial Impact**

The total estimated cost of all the projects identified in Attachment 2 is \$20,290,800. As indicated in Attachment 2, the City's portions of the costs of the projects (\$17,958,050) are fully funded with the funding sources having been previously approved by Council as part of past or current Capital Budgets.

### **Conclusion**

ICBC is a significant long-time partner working with the City to promote traffic safety in Richmond. The traffic safety initiatives jointly implemented by ICBC and the City, including various road and traffic management enhancements, educational efforts and enforcement measures, have resulted in safer streets for all road users in Richmond. Therefore, staff recommend that Council endorse the various local road safety improvement projects for submission to the 2018 joint ICBC-City of Richmond *Road Improvement Program*.



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Transportation Planner  
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Att. 1: 2017 Road Improvement Projects receiving ICBC Funding

Att. 2: Proposed 2018 City-ICBC Road Improvement Projects

## 2017 Road Improvement Projects receiving ICBC Funding

Location	Project Description	ICBC Contribution	Estimated Total Cost
Garden City Road-Odlin Road	Installation of southbound left-turn turn	\$58,000	\$200,000
<ul style="list-style-type: none"> <li>Westminster Hwy-Tiffany Blvd</li> <li>Williams Road-Lassam Road</li> <li>Granville Ave-Bridge Street</li> </ul>	Installation of Special Crosswalk	\$7,000 \$3,000 \$3,000	\$70,000 \$70,000 \$45,000
No. 4 Road-Albion Road	Upgrade of Special Crosswalk to Pedestrian Signal	\$5,000	\$120,000
<ul style="list-style-type: none"> <li>Steveston Hwy-Mortfield Gate</li> <li>No. 1 Road-Garry Street</li> </ul>	Upgrade of Special Crosswalk to Full Traffic Signal	\$37,500 \$31,500	\$350,000 \$350,000
Granville Ave-Minoru Gate	Upgrade of Pedestrian Signal to Full Traffic Signal	\$19,500	\$350,000
Granville Ave-Minoru Complex Access	Installation of Pedestrian Signal	\$7,000	\$150,000
Seacote Road (Williams Road-150 m north)	Pedestrian Walkway	\$4,000	\$200,000
No. 2 Road-Francis Road	Safety & Operation Review	\$4,390	\$9,000
<b>Total</b>		<b>\$179,890</b>	

## Proposed 2018 City-ICBC Road Improvement Projects

Proposed 2018 ICBC-City of Richmond Road Improvement Program Project	Estimated Total Cost	Source & Amount of City Funds <sup>(1)</sup>		External Agency Funding: TransLink <sup>(2)</sup>
Installation of special crosswalk: <ul style="list-style-type: none"> <li>No. 1 Road-Tucker Ave</li> <li>Cedarbridge Way-Elmbridge Way</li> <li>Woodwards Road-Railway Ave</li> <li>Deagle Road-Williams Road</li> <li>8200-block Ackroyd Road</li> <li>Other locations to be determined<sup>(4)</sup></li> </ul>	\$100,000 \$100,000 \$100,000 \$60,000 \$60,000 -	2016 Special Crosswalk Program 2017 Special Crosswalk Program	\$200,000 \$220,000	-
Installation of pedestrian signal: <ul style="list-style-type: none"> <li>Locations to be determined<sup>(4)</sup></li> </ul>	-	2018 Traffic Signal Program	\$300,000	-
Installation of full traffic signal: <ul style="list-style-type: none"> <li>Kwantlen St-Lansdowne Road</li> <li>Other locations to be determined<sup>(4)</sup></li> </ul>	\$350,000	2018 Traffic Signal Program	\$350,000	-
Emergency Vehicle Pre-Emption System: Pilot Program	\$100,000	2018 Traffic Signal Pre-Emption Program	\$100,000	-
Installation of LED street name signs: <ul style="list-style-type: none"> <li>Russ Baker Way-Miller Road</li> <li>Garden City Rd/Great Canadian Way-Sea Island Way</li> <li>Great Canadian Way- Bridgeport Road</li> <li>Knight Street-Westminster Hwy</li> <li>No. 6 Road-Westminster Hwy</li> <li>Garden City Road-Westminster Hwy</li> <li>Lynas Lane-Westminster Hwy</li> <li>Fraserwood Pl-Westminster Hwy</li> <li>Russ Baker Way-Gilbert Road</li> <li>Minoru Blvd-Granville Ave</li> <li>Other locations to be determined<sup>(4)</sup></li> </ul>	\$15,000 \$15,000 \$15,000 \$12,000 \$15,000 \$15,000 \$15,000 \$15,000 \$12,000 \$15,000 -	2018 LED Street Name Sign Program	\$144,000	-
Installation of traffic video cameras: <ul style="list-style-type: none"> <li>Lynas Lane-Westminster Hwy</li> <li>No. 3 Road-Lansdowne Rd</li> <li>No. 3 Road-Cook Road</li> <li>Viking Way-Bridgeport Road</li> <li>No. 6 Road-Cambie Road</li> <li>Other locations to be determined<sup>(4)</sup></li> </ul>	\$35,000 \$35,000 \$35,000 \$35,000 \$35,000 -	2018 Traffic Video and Communication Program	\$175,000	-
Installation of UPS (uninterruptible power supply): <ul style="list-style-type: none"> <li>Shell Road-Cambie Road</li> <li>No. 5 Road-Bridgeport Road</li> <li>Viking Way-Bridgeport Road</li> <li>No. 6 Road-Bridgeport Road</li> <li>Coppersmith Pl -Steveston Hwy</li> <li>Other locations to be determined<sup>(4)</sup></li> </ul>	\$17,000 \$17,000 \$17,000 \$17,000 \$17,000 -	2018 Public Works Minor Capital – Traffic	\$85,000	-
Construction of multi-use pathway: <ul style="list-style-type: none"> <li>Westminster Hwy (No. 8 Rd-Nelson Rd)</li> <li>River Dr (No. 4 Road-Van Horne Way)</li> <li>No. 2 Road (Steveston Hwy-Dyke Rd)</li> <li>Sexsmith Rd (Beckwith Rd-Charles St)</li> <li>Alderbridge Way (Shell Rd-No. 4 Road)</li> </ul>	\$400,000 \$1,344,000 \$1,240,000 \$495,000 \$1,200,000	2015 Active Transportation Program 2017 Roads DCC Program 2016 Roads DCC Program Developer Contribution (TOD Fund) 2018 Roads DCC Program	\$200,000 \$379,250 \$620,000 \$247,000 \$600,000	\$200,000 (Confirmed) \$964,750 (Confirmed) \$620,000 (Confirmed) \$248,000 (Confirmed) \$600,000 (Pending)



## Proposed 2018 City-ICBC Road Improvement Projects

Proposed 2018 ICBC-City of Richmond Road Improvement Program Project	Estimated Total Cost	Source & Amount of City Funds <sup>(1)</sup>		External Agency Funding: TransLink <sup>(2)</sup>
Construction of pedestrian pathway:				
• River Road (Oval Way-Brighthouse Way)	\$100,000	2017 Arterial Roadway Improvement Program	\$100,000	-
• River Road (No. 6 Road-Burdette Ave)	\$350,000	2018 Arterial Roadway Improvement Program	\$350,000	-
• Riverside Industrial Park (various roadways)	\$500,000	2018 Neighbourhood Walkway Program	\$500,000	\$250,000 (Pending)
• Other locations to be determined <sup>(4)</sup>				
Traffic calming measures in various locations pending results of traffic studies <sup>(3)</sup>	\$95,000	2018 Traffic Calming Program	\$95,000	-
Installation of pedestrian zone markers pending results of traffic studies <sup>(3)</sup> :	\$5,000	2018 Traffic Calming Program	\$5,000	-
• Locations to be determined <sup>(4)</sup>				
River Parkway (Gilbert Rd-Cambie Rd): new road with pedestrian and cycling facilities	\$10,500,000	2018 Roads DCC Program	\$10,500,000	\$2,266,000 (Pending)
Leslie Road (River Parkway-150 m East): road and pedestrian enhancements	\$1,200,000	2018 Roads DCC Program	\$1,200,000	-
Cambie Road (River Road-No. 3 Road): road, pedestrian and cycling enhancements	\$1,500,000	2018 Roads DCC Program	\$1,500,000	\$288,750 (Pending)
River Road (No. 6 Road-Westminster Hwy): road safety measures <sup>(3)</sup>				
• 4 speed reader boards	\$38,500	2015 Traffic Calming Program	\$87,800	-
• Conversion of centreline	\$21,600			
• Shoulder-mounted delineator posts	\$10,500			
• Revised cycling-related signage	\$17,200			
<b>Total</b>	<b>\$20,290,800</b>		<b>\$17,958,050</b>	<b>\$2,032,750 (Confirmed)</b> <b>\$3,404,750 (Pending)</b>

- (1) Should the submitted project receive funding from ICBC, the City's portion of the total cost would be reduced accordingly.
- (2) The amount shown represents the maximum funding contribution to be received from the external agency based on the City's cost estimate for the project. The actual approved amount may be lower than requested. The actual invoiced amount follows project completion and is based on incurred costs. Should the project receive funding from an external agency, the City's portion of the total cost would be reduced accordingly.
- (3) Implementation is subject to consultation with and support from affected residents.
- (4) Additional locations may be identified for submission to ICBC prior to its annual program deadline.