



**To:** Public Works and Transportation Committee

**Date:** February 20, 2014

**From:** Victor Wei, P. Eng.  
Director, Transportation

**File:** 01-0150-20-ICBC1-  
01/2014-Vol 01

**Re:** ICBC/CITY OF RICHMOND ROAD IMPROVEMENT PROGRAM – PROPOSED  
PROJECTS FOR 2014

**Staff Recommendation**

1. That the list of proposed road safety improvement projects, as described in the report, be endorsed for submission to the ICBC 2014 *Road Improvement Program* for consideration of cost sharing funding.
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 the 2014 Capital Plan and 5-Year (2014-2018) Financial Plan be amended accordingly.

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

Att. 1

REPORT CONCURRENCE		
<b>ROUTED TO:</b>	<b>CONCURRENCE</b>	<b>CONCURRENCE OF GENERAL MANAGER</b>
Finance Division	<input checked="" type="checkbox"/>	
Engineering	<input checked="" type="checkbox"/>	
Law	<input checked="" type="checkbox"/>	
RCMP	<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 25, 2013 and September 23, 2013 Council meetings, Council endorsed a number of proposed joint ICBC-City of Richmond road safety improvement projects for 2013. This report summarizes the projects implemented in 2013 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2014 ICBC-City of Richmond *Road Improvement Program* partnership.

### Analysis

#### 1. Partnership with ICBC on Road Improvement Program

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 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.

#### 2. 2013 ICBC/City of Richmond Road Improvement Projects

As shown in Table 1 below, a number of City projects substantially completed in 2013 will receive a total of \$252,000 in funding from ICBC's *Road Improvement Program*. Projects initiated in 2013 but not substantially completed will be re-submitted in 2014.

**Table 1: 2013 Road Improvement Projects Receiving ICBC Funding**

Location	Project Description	ICBC Contribution
<ul style="list-style-type: none"> <li>• No. 2 Road-Woodwards Road</li> <li>• No. 4 Road-Odlin Road</li> </ul>	Upgrade of existing pedestrian signal to full traffic signal	\$26,000 \$29,000
<ul style="list-style-type: none"> <li>• EB No. 4 Road-Alderbridge Way</li> <li>• NB No. 4 Road-Cambie Road</li> <li>• NB Railway Avenue-Steveston Hw</li> <li>• NB Railway Avenue-Williams Road</li> <li>• NB Railway Avenue-Francis Road</li> <li>• NB Railway Avenue-Blundell Road</li> </ul>	Installation of left-turn arrows	\$13,000 \$14,000 \$10,000 \$12,000 \$8,000 \$12,000
Russ Baker Way: Inglis Drive-Hudson Ave	Installation of intersection cameras	\$93,000
<ul style="list-style-type: none"> <li>• Ryan Rd</li> <li>• Maddocks Rd</li> <li>• Georgia St</li> <li>• 2<sup>nd</sup> Ave</li> </ul>	Installation of traffic calming measures (speed humps) in school zones	\$9,000
Westminster Hwy: Gilley Road-Smith Cr	Minor shoulder widening to create walkway separated by extruded curb	\$18,000
Ash Street: Williams Road-Bakerview Dr	Construction of neighbourhood pathway	\$5,000
Westminster Hwy: No. 6 Road-No. 8 Road	Removal of bollards from off-street pathway	\$3,000
<b>Total</b>		<b>\$252,000</b>

#### 3. Proposed 2014 ICBC-City of Richmond Road Improvement Projects

Attachment 1 identifies a range of projects proposed for submission to the 2014 *Road Improvement Program* for funding contribution from ICBC that would provide benefits for all road users (i.e., motorists, cyclists, pedestrians, transit users). In support of one of

Richmond RCMP's key community objectives to increase pedestrian safety and reduce fatalities and injuries, a majority of the proposed projects focus on pedestrian-related improvements, particularly at intersections, including eight special crosswalks, four pedestrian signals on high volume arterial roadways, two raised crosswalks, and a neighbourhood walkway. The total estimated cost of the pedestrian-related projects is nearly \$1.5 million.

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 2015 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 approved projects and the 2014 Capital Plan and 5-Year (2014-2018) Financial Plan be amended accordingly to reflect the receipt of external grants.

### Financial Impact

None.

The funding sources for the City's portion of the costs of the projects have been previously approved or endorsed by Council as indicated in Attachment 1 to this report. Several of the identified projects have additional external grants either approved or pending approval from other agencies such as TransLink.

### 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 2014 joint ICBC-City of Richmond *Road Improvement Program*. Upon approval by ICBC of any projects, cost-share agreements will be executed by staff with ICBC.



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Att. 1: Proposed 2014 City-ICBC Road Improvement Projects

## Proposed 2014 City-ICBC Road Improvement Projects

Proposed 2014 ICBC-City of Richmond Road Improvement Program Projects	Estimated Total Cost	Source of City Funds <sup>(1)</sup>	External Agency Funding <sup>(2)</sup>
Video Detection Cameras & Controllers: 6 intersections along Steveston Hwy corridor between No. 2 Road and Coppersmith Pl	\$335,000	\$335,000 2014 Traffic Signal Program	\$111,000 TransLink (pending)
Installation of traffic calming measures in various locations pending results of traffic studies <sup>(3)</sup>	\$100,000	\$100,000 2014 Neighbourhood Traffic Safety Program	-
Installation of special crosswalks: <ul style="list-style-type: none"> <li>• Francis Road-Ash Street<sup>(4)</sup> \$55,000</li> <li>• Garden City Road-General Currie Rd<sup>(4)</sup> \$60,000</li> <li>• 7400-block River Road \$50,000</li> <li>• 8200-block No. 5 Road \$76,000</li> <li>• 8000-block St. Albans Road \$69,000</li> <li>• Williams Road-Freshwater Drive \$69,000</li> <li>• Steveston Hwy-Bonavista Gate \$69,000</li> <li>• Granville Ave-McCallan Road \$55,000</li> </ul> Total: \$503,000  <ul style="list-style-type: none"> <li>• Other locations to be determined<sup>(5)</sup></li> </ul>	\$55,000 \$60,000 \$50,000 \$76,000 \$69,000 \$69,000 \$69,000 \$55,000 \$503,000	\$475,500 2012 Misc Intersection Improvements (\$60,000) 2012 Traffic Signal Program (\$138,000) 2013 Crosswalk Improvement Program (\$55,000) 2014 Crosswalk Improvement Program (\$222,500)	\$27,500 TransLink (confirmed) \$27,500 TransLink (pending)
Installation of pedestrian signals: <ul style="list-style-type: none"> <li>• Francis Road-St Albans Road \$82,000</li> <li>• Kwantlen Street-Kwantlen University \$137,000</li> <li>• Westminster Hwy-McCallan Road \$120,000</li> <li>• Blundell Road-Ash Street \$120,000</li> </ul> Total: \$459,000  <ul style="list-style-type: none"> <li>• Other locations to be determined<sup>(5)</sup></li> </ul>	\$82,000 \$137,000 \$120,000 \$120,000 \$459,000	\$394,000 2013 Traffic Signal Program (\$82,000) 2014 Traffic Signal Program (\$72,000) 2014 Active Transportation Program (\$240,000)	\$120,000 TransLink (pending) \$65,000 Kwantlen Polytechnic University (confirmed)
Installation of full traffic signal: <ul style="list-style-type: none"> <li>• Cambie Road-Stolberg Road \$175,000</li> <li>• Other locations to be determined<sup>(5)</sup></li> </ul>	\$175,000	\$175,000 2014 New Traffic Signal Installation at Cambie Road-Stolberg Road	-
Extension of Lansdowne Road: Minoru Blvd-Alderbridge Way	\$3,000,000	\$3,000,000 2012-2013 Capital Project	-
Parkside Neighbourhood Bike Route: paved pathway connection on Granville Ave between Ash St and Garden City Park <sup>(4)</sup>	\$90,000	\$45,000 2012 Cycling Network Expansion Program (\$8,500) 2012 Misc Cycling Safety Enhancement Program (\$25,000) 2013 Active Transportation Program (\$11,500)	\$45,000 TransLink (confirmed)
Delineation of on-street bike lanes with green anti-skid surface at conflict zones: <ul style="list-style-type: none"> <li>• Garden City Road-Alderbridge Way \$34,000</li> <li>• Granville Ave-Railway Ave</li> <li>• Other locations to be determined<sup>(5)</sup></li> </ul>	\$34,000	\$34,000 2014 Active Transportation Program	\$17,000 TransLink (pending)
Delineation of Railway Greenway crossings with green anti-skid surface <sup>(4)</sup> : <ul style="list-style-type: none"> <li>• West of Britannia Dr • Princeton St \$75,000</li> <li>• Garry Street • Francis Rd</li> <li>• Steveston Hwy • Blundell Rd</li> <li>• Williams Road • Granville Ave</li> </ul>	\$75,000	\$37,500 2013 Active Transportation Program	\$37,500 TransLink (confirmed)
Construction of raised crosswalks <sup>(4)</sup> : <ul style="list-style-type: none"> <li>• Granville Ave-McCallan Road \$67,000</li> <li>• Railway Ave west of Britannia Dr</li> </ul>	\$67,000	\$33,500 2013 Neighbourhood Traffic Safety Program	\$33,500 TransLink (confirmed)
Construction of neighbourhood path/sidewalk: <ul style="list-style-type: none"> <li>• Belair Dr (Gilbert Road-Broadmoor Blvd) \$450,000</li> <li>• Other locations to be determined<sup>(5)</sup></li> </ul>	\$450,000	\$450,000 2014 Neighbourhood Traffic Safety Program	-
Bus stop upgrade and/or construction of connecting sidewalk/pathway: <ul style="list-style-type: none"> <li>• Multiple locations city-wide \$186,000</li> </ul>	\$186,000	\$186,000 2014 Pedestrian & Roadway Improvement Program	\$93,000 TransLink (pending)

(1) Should the submitted project receive funding from ICBC, the City's portion of the total cost would be reduced accordingly.

(2) 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) Project was originally submitted to the 2013 Program and is being re-submitted to the 2014 Program as it was not substantially completed in 2013.

(5) Additional locations may be identified for submission to ICBC prior to the annual program deadline.