



City of Richmond

Report to Committee

To: Public Works and Transportation Committee

Date: Apr 3, 2012

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

File: 01-0150-20-ICBC1-
01/2012-Vol 01

Re: ICBC/CITY OF RICHMOND ROAD IMPROVEMENT PROGRAM – PROPOSED PROJECTS FOR 2012

Staff Recommendation

1. That the list of proposed road safety improvement projects, as described in the report, be endorsed for submission to the ICBC 2012 *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 2012 Capital Plan and 5-Year (2012-2016) Financial Plan be amended accordingly.

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

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ROUTED TO:	CONCURRENCE		CONCURRENCE OF GENERAL MANAGER
Budgets & Accounting.....	Y	<input checked="" type="checkbox"/> N <input type="checkbox"/>	
Engineering	Y	<input checked="" type="checkbox"/> N <input type="checkbox"/>	
Law.....	Y	<input checked="" type="checkbox"/> N <input type="checkbox"/>	
RCMP	Y	<input checked="" type="checkbox"/> N <input type="checkbox"/>	
REVIEWED BY TAG	YES	NO	REVIEWED BY CAO
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

Staff Report

Origin

At the April 26, 2011 regular Council meeting, Council endorsed a number of proposed joint ICBC-City of Richmond road safety improvement projects for 2011. This report summarizes the projects implemented in 2011 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2012 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 the results of joint ICBC/City traffic safety studies and input from the Traffic Safety Advisory Committee and other stakeholders. Past funding from ICBC has contributed to the implementation of projects such as the realignment of left-turn lanes at intersections to improve sightlines, the installation and upgrading of pedestrian crosswalks and the installation of new traffic signals.

2. 2011 ICBC/City of Richmond Road Improvement Projects

As shown in Table 1 below, a number of City projects completed in 2011 will receive a total of \$83,500 in funding from ICBC's *Road Improvement Program*.

Table 1: 2011 Road Improvement Projects Receiving ICBC Funding

Location	Project Description	2011 ICBC Contribution
No. 3 Road: Cambie Road-Brown Gate Road	• Installation of railing in centre median	\$15,000
Minoru Gate and Granville Ave	• Installation of additional crosswalk on west leg	\$5,000
Lansdowne Road at Garden City Road	• Installation of electronic "Pedestrian Caution" sign for eastbound to northbound motorists	\$7,000
16 Intersection Locations	• Additional traffic signal heads and backboard upgrades	\$38,000
Chatham Street & 2 nd Avenue	• Upgrade of existing crosswalk to a special crosswalk	\$3,000
Gilbert Road south of Steveston Hwy	• Installation of speed humps and speed reader board	\$6,000
Finn Road at curve	• Installation of advisory warning flashers	\$8,000
Westminster Hwy at Smith Crescent	• Installation of overhead signs at crosswalk	\$1,500
Total ICBC Funding		\$83,500

3. Proposed 2012 ICBC-City of Richmond Road Improvement Projects

Table 2 below identifies a number of projects proposed for submission to the 2012 *Road Improvement Program* for funding contribution from ICBC. The implementation of these projects, as well as any additional projects identified prior to ICBC's deadline in May 2012, will

be subject to review by and cost sharing with ICBC. All of these projects have been previously approved by Council.

Table 2: Proposed 2012 City-ICBC Road Improvement Projects

Proposed 2012 ICBC-City of Richmond Road Improvement Program Projects ⁽¹⁾		Estimated Total Cost	Source of City Funds ⁽²⁾	Confirmed External Agency Funding
Westminster Hwy (Gilley Road to Fraserside Gate): minor shoulder widening to create path separated by extruded curb		\$180,000	\$90,000 2010 & 2011 Misc Intersection Improvements Program	\$90,000 TransLink
Arterial Crosswalk Upgrades to Special Crosswalks	• Francis Road & Ash Street	\$55,000	\$27,500 2012 Arterial Road Crosswalk Program	\$27,500 TransLink
	• Francis Road & St. Albans Road	\$45,000	\$32,500 2012 Arterial Road Crosswalk Program \$12,500 2011 Misc Intersection Improvements Program	-
	• No. 4 Road & Dayton Avenue	\$50,000	\$25,000 2012 Transit Plan Infrastructure Improvements	\$25,000 TransLink
	• Railway Avenue & Linfield Gate	\$45,000	\$22,500 2011 Transit Plan Infrastructure Improvements	\$22,500 TransLink
No. 3 Road (Saba Road to Richmond-Brighouse Stn): installation of median railing		\$14,000	\$14,000 Canada Line No. 3 Road Restoration Program	-
Garden City Rd & Granville Ave: installation of pedestrian signal and multi-use paths		\$195,400	\$48,850 2010 Cycling Network Expansion Program	\$97,700 / TransLink \$48,850 / BCMoT
Steveston Hwy (Hwy 99 to No. 5 Road): frontage improvements on north side including additional westbound right- and left-turn lanes ⁽³⁾		\$1,028,000 (Est. Max Roads DCC Credits)	\$514,000 Net Roads DCC Credits after External Grants	\$514,000 TransLink
Herbert Road (Afton Dr to Bates Rd): construction of neighbourhood pathway		\$250,000	\$250,000 2012 Neighbourhood Walkways Program	-
Aquila Rd (lane north of Williams Rd to Albion Rd): construction of neighbourhood pathway		\$32,000	\$32,000 2011 Neighbourhood Traffic Safety Program	-
Forsyth Cr (Gibbons Dr to Thompson School): construction of neighbourhood pathway		\$48,500	\$48,500 2012 Asphalt Re-Paving Program - Non-MRN	-
Garden City Road at Garden City School: installation of flashing school zone warning sign		\$12,000	\$12,000 2011 Neighbourhood Traffic Safety Program	-
Finn Road: Installation of driver feedback signs at limits of 30 km/n zone		\$30,000	\$30,000 2011 Public Works Minor Capital Traffic Project	-

(1) Some projects that were originally submitted to the 2011 Program are being re-submitted to the 2012 Program as they were not initiated and/or substantially completed in 2011.

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

(3) This project is associated with the redevelopment of the former Fantasy Gardens site approved by Council in September 2009.

ICBC's potential funding contribution to these projects will be determined by historical traffic accident 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 above projects, as well as any additional projects identified, will be reported back as part of 2013 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 2012 Capital Plan and 5-Year (2012-2016) Financial Plan be amended accordingly to reflect the receipt of external grants.

4. Other Road Safety Partnerships with ICBC

Staff are also collaborating with ICBC on the following initiatives outside of the scope of the *Road Improvement Program* (which is focussed on funding capital projects):

- *Pedestrian Safety Campaign*: development of an education and awareness campaign for both pedestrians and motorists to highlight the importance of about road safety and ultimately prevent collisions, injuries and fatalities for all road users;
- *No. 5 Road and Cambie Road Intersection*: while this intersection was recently mistakenly reported as the being the third worst in Metro Vancouver, ICBC has confirmed that this intersection has an unusually high ratio of side-impact (T-bone) crashes, which are symptomatic of red light running. Staff therefore will pursue conducting a joint road safety review of the intersection with ICBC to identify if any capital improvements are warranted to improve the safety of the intersection. Staff will report back on the results of the study, and any capital improvements identified, as part of 2013 ICBC *Road Improvement Program*.

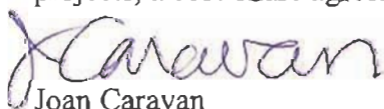
Financial Impact

None.

The funding sources for the City's portion of the costs of the projects have been previously approved or endorsed by Council as outlined in Section 3 of this report. Several of the identified projects have additional external grants either approved or pending approval from other agencies (e.g., TransLink, ICBC).

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. Staff therefore recommend that Council endorse the various local road safety improvement projects for submission to the 2012 joint ICBC-City of Richmond *Road Improvement Program*. Upon approval by ICBC of any projects, a cost-share agreement will be executed by staff with ICBC.



Joan Caravan
Transportation Planner
(604-276-4035)



Fred Lin, P.Eng., PTOE
Senior Transportation Engineer
(604-247-4627)

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