



# City of Richmond

## Report to Committee

**To:** Public Works and Transportation Committee

**Date:** March 28, 2011

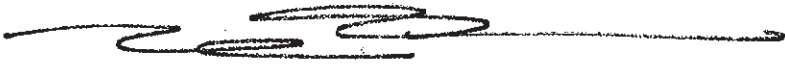
**From:** Victor Wei, P. Eng.  
Director, Transportation

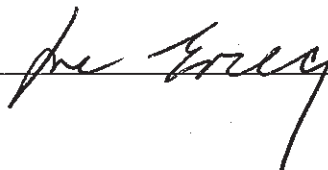


**File:** 01-0150-20-ICBC1-  
01/2011-Vol 01

**Re:** ICBC/CITY OF RICHMOND ROAD IMPROVEMENT PROGRAM – PROPOSED  
PROJECTS FOR 2011

### Staff Recommendation

1. That the list of proposed road safety improvement projects, as described in the report, be endorsed for submission to the ICBC 2011 *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 2011 Capital Plan and the 5-Year Financial Plan (2011-2015) be amended accordingly.

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

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<b>ROUTED TO:</b>	<b>CONCURRENCE</b>	<b>CONCURRENCE OF GENERAL MANAGER</b>	
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"/>		
<b>REVIEWED BY TAG</b>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	<b>REVIEWED BY CAO</b>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
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## Staff Report

### Origin

At the April 26, 2010 regular Council meeting, Council endorsed a number of proposed joint ICBC-City of Richmond road safety improvement projects for 2010. This report summarizes the projects implemented in 2010 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2011 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 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. 2010 ICBC/City of Richmond Road Improvement Projects

As shown in the table below, a number of City projects completed in 2010 (or to be shortly completed in early 2011) received a total of \$205,100 in funding from ICBC's *Road Improvement Program*.

Location	Project Description	2010 ICBC Contribution
No. 6 Road between Westminster Highway & Blundell Road	• Improvements to S-curve including micro-surfacing	\$32,000
Garden City Road & Cook Road	• Construction of southbound left-turn lane on Garden City Road	\$33,600
Railway Avenue & Moncton Street	• Intersection re-alignment including new bike lanes and turning lanes	\$7,500
No. 3 Road & Westminster Hwy. No. 3 Road & Granville Avenue No. 5 Road & Westminster Hwy.	• Installation of new overhead illuminated street name signs	\$30,000
Williams Road at Seacote Road	• Upgrade of existing crosswalk to a special crosswalk	\$8,000
No. 1 Road & Blundell Road	• Installation of southbound and westbound advance left-turn signals	\$45,000
No. 1 Road & Francis Road	• Installation of westbound advance left-turn signal	\$9,000
Cooney Road-St. Albans Road & Granville Avenue	• Installation of eastbound and westbound advance left-turn signals	\$27,000
St. Albans Road & Blundell Road	• Installation of eastbound advance left-turn signal	\$13,000
<b>Total ICBC Funding</b>		<b>\$205,100</b>



### 3. Proposed 2011 ICBC-City of Richmond Road Improvement Projects

The table below identifies a number of projects proposed for submission to the 2011 *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 2011, will be subject to review by and cost sharing with ICBC. As noted in the table, all of these projects are part of existing capital programs approved by Council.

Proposed 2011 ICBC-City of Richmond Road Improvement Program Projects		Estimated Total Cost	Source of City Funds <sup>(1)</sup>
No. 1 Road & Moncton Street: intersection improvements including signalization		\$750,000	\$750,000
Moncton St. at Easthope Ave.: raised crosswalk			2011 Capital Program: No. 1 Road & Moncton Street – Signalization & Improvements
No. 1 Road at Chatham St.: raised crosswalk			
Westminster Hwy. (Gilley Road to Fraserside Gate): minor shoulder widening to create pathway separated by extruded curb		\$160,000	\$160,000 2008, 2009 & 2010 Misc Intersection Improvements Program
Arterial Road Crosswalk Upgrades to Special Crosswalks:	• Westminster Hwy. & Smith Cr.	\$40,000	\$40,000 2006 Misc Intersection Improvements Program
	• Chatham St. & 2 <sup>nd</sup> Ave.	\$40,000	\$20,000 2010 PW Minor Capital – Traffic
	• Francis Rd. & St. Albans Rd.	\$35,000	\$35,000 2010 Arterial Road Crosswalk Program
	• Moncton St. & Trites Rd.	\$40,000	\$40,000 2010/2011 Arterial Road Crosswalk Programs
	• No. 5 Rd. & Thorpe Rd.	\$50,000	\$50,000 2010 Arterial Road Crosswalk Program
	• Steveston Hwy. & Southport Rd.	\$38,000	\$19,000 2009/2010 Transit Plan Infrastructure Improvements
	• Gilbert Rd. & Mang Rd.	\$45,000	\$22,500 2009/2010 Transit Plan Infrastructure Improvements
	• Railway Ave. & Linfield Gt.	\$40,000	\$20,000 2011 Arterial Road Crosswalk Programs
	2 <sup>nd</sup> Avenue (Steveston Hwy. to Chatham St.): installation of speed humps (pending majority of residents' support)		\$9,000
Minoru Gate & Granville Avenue: installation of crosswalk on west leg		\$18,000	\$18,000 2011 PW Minor Capital – Traffic
Garden City Road & Lansdowne Road: installation of flashing "caution pedestrian crossing" sign for eastbound to northbound left-turn traffic		\$16,000	\$16,000 2011 PW Minor Capital – Traffic
Various Locations: installation of video detection cameras and infrastructure		\$160,000	\$160,000 2009 Traffic Info System Program & 2008 Misc Intersection Improvements Program
Gilbert Road & Granville Avenue: installation of supplementary controller cabinet to test new technology components		\$25,000	\$25,000 2011 PW Minor Capital – Traffic
Various Intersections: installation of advance left turn arrows		\$100,000	\$100,000 2011 PW Minor Capital - Traffic & 2011 Traffic Signal Installation & Major Upgrade Program
Gilbert Road at Finn Road: installation of speed humps and driver feedback sign		\$8,000	\$8,000 2009/2011 Neighbourhood Traffic Safety Programs
TOTAL		\$1,574,000	\$1,488,000

(1) Where City funds do not cover the total estimated cost, the balance would be funded by grants from external agencies (e.g., TransLink, ICBC) or funded via the development process.

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 2012 ICBC *Road Improvement Program*.

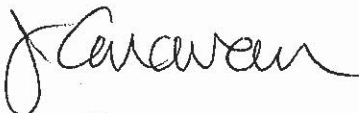
Upon approval of a project by ICBC, the City would be required to enter into a funding agreement with ICBC. The agreement is provided by ICBC and generally includes an indemnity in favour of ICBC. Staff recommend that the Chief Administrative Officer and General Manager, Planning and Development be authorized to execute the funding agreements for approved projects.

### **Financial Impact**

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). No projects will be undertaken unless sufficient combined funding sources (City and external agencies) are secured to cover the estimated project cost. Should the cost-share applications be successful, the 2011 Capital Plan and the 5-Year Financial Plan (2011-2015) would be amended to reflect the receipt of the external grants.

### **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 2011 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  
Acting Manager, Transportation Planning  
(604-247-4627)

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