



To: Public Works and Transportation Committee      Date: February 28, 2008  
 From: Victor Wei, P. Eng.      File: 0150-20-ICBC1-01  
        Director, Transportation  
 Re: ICBC/CITY OF RICHMOND ROAD SAFETY IMPROVEMENT PROGRAM –  
        PROPOSED PROJECTS FOR 2008

Staff Recommendation

1. That the list of proposed road safety improvement projects, as described in the attached report, be endorsed for submission to the ICBC 2008 *Road Safety Improvement Program*.
2. That should the above applications be successful, the Director of Transportation be authorized to execute the cost-share agreements.

Victor Wei, P. Eng.  
 Director, Transportation  
 (4131)

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<b>ROUTED TO:</b>	<b>CONCURRENCE</b>		<b>CONCURRENCE OF GENERAL MANAGER</b>
Engineering .....	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	
Law .....	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>	
Budgets & Accounting.....	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"/>

## Staff Report

### Origin

At the March 26, 2007 regular Council meeting, Council endorsed a number of proposed joint ICBC/City of Richmond road safety improvement projects for 2007. This report summarizes the projects implemented in 2007 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2008 ICBC/City of Richmond *Road Safety Improvement Program* partnership.

### Analysis

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

The City has been in partnership with ICBC in the *Road Safety 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 Safety 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, system-wide upgrade of traffic signs, installation and upgrading of pedestrian crosswalks, installation of new traffic signals and upgrades including left-turn arrows at a number of intersections, and other traffic safety education and enforcement initiatives.

#### 2. 2007 ICBC/City of Richmond Road Safety Improvement Projects

In Richmond, ten projects received committed ICBC funding of \$229,600 in 2007. The balance was funded from the approved 2004-2007 Major Capital Works Programs and through development (DCC credit). Construction activity for two of the projects (noted with an asterisk in the table below) will carry over to 2008; the City will submit these two projects to the 2008 program for the remaining work to be done (estimated at 25% of the total project). The following table summarizes the 2007 City projects partly funded by the ICBC *Road Safety Improvement Program*.

Location	Project Description	ICBC Contribution
Westminster Hwy	• Widening between McMillan Way and Hwy 91 Interchange	\$47,000
Steveston Hwy & No. 5 Road	• Northbound left-turn bay extension on No. 5 Road • Northbound right-turn lane extension on No. 5 Road	\$11,250
Elmbridge Way & Gilbert Road	• Right-turn bay installation (eastbound to southbound) • Traffic signal upgrade	\$62,250*
Elmbridge Way & Hollybridge Way	• Right-turn bay installation (southbound to westbound) • Traffic signal upgrade	\$24,750*
Arterial Road Crosswalk Upgrades	• Blundell Road & Heather Street • Williams Road & Sheridan Road • Moncton Street & Easthope Road	\$10,000
City-wide	• Traffic signal head upgrades on MRN roads	\$32,600

Location	Project Description	ICBC Contribution
Various Locations	• Volume density traffic signal improvements	\$23,750
Gilbert Rd & Williams Rd	• Traffic signal improvements	\$15,000
<b>Total ICBC Funding</b>		<b>\$229,600</b>

\* represents approximately 75% of total committed funding; total balance to be paid in 2008 when projects are completed.

### 3. Proposed 2008 ICBC/City of Richmond Road Safety Improvement Projects

The table below identifies a number of projects proposed for submission to the 2008 *Road Safety Improvement Program* for funding contribution from ICBC. The implementation of these projects, as well as any additional projects identified prior to ICBC's deadline towards mid-2008, will be subject to review by and cost sharing with ICBC.

Proposed 2008 ICBC/City of Richmond Road Safety Improvement Program Projects	Estimated Total Cost	Source of City Funds
Garden City Road - Cook Road: • Left-turn bay installation (southbound to eastbound) • Traffic signal upgrade	\$183,000	Developer Funded & 2006 Major Capital
Elmbridge Way - Gilbert Road: • Right-turn bay installation (eastbound to southbound) • Traffic signal upgrade	\$305,000	2005-2007 Major Capital
Elmbridge Way - Hollybridge Way: • Right-turn bay installation (southbound to westbound) • Traffic signal installation	\$240,000	2005-2007 Major Capital
No. 6 Road: • Cable Roadside Railing at "S" Curve (between Westminster Hwy & Blundell Rd)	\$69,000	2006 Major Capital
Garden City Road / Ferndale Road: • Left-turn bay installation (southbound to eastbound)	\$100,000	2008 Major Capital
V-Calm driver awareness devices and installation (2 units)	\$25,000	2007 Major Capital
Accessible Pedestrian Signal Enhancements	\$150,000	2008 Major Capital
Special Crosswalks: Enhanced Pavement Markings	\$15,000	2008 Major Capital
Arterial Road Pedestrian Crosswalk Upgrades to Special Crosswalks: • Granville Ave & Azure Blvd • No. 1 Road & Pacemore Ave • Steveston Hwy & Constable Gate • St. Albans Rd & Bennett Rd • Hollybridge Way & River Rd	\$230,000	2007-2008 Major Capital
Granville Avenue & Buswell Street: Signal Installation	\$155,000	2008 Major Capital
Traffic signal improvements via installation of left-turn arrows at: • Railway Avenue & Blundell Road (eastbound left-turn arrow) • Railway Avenue & Steveston Highway (southbound left-turn arrow) • Viking Way & Bridgeport Road (northbound left-turn arrow) • Railway Avenue & Francis Road (eastbound left-turn arrow)	\$32,000	2008 Major Capital
Upgrade of pedestrian signals to "enhanced" status with countdown timer: • St. Albans Rd & General Currie Rd (east & westbound) • No. 4 Road & Alberta Road (eastbound only) • McLean Avenue & Westminster Highway (eastbound & westbound)	\$35,000	2008 Major Capital
<b>TOTAL</b>	<b>\$1,539,000</b>	

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. The outcome of ICBC's review of the above projects,

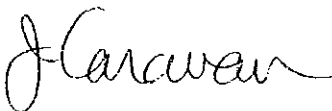
as well as any additional projects identified, will be reported back as part of 2009 ICBC *Road Safety Improvement Program*.

### Financial Impact

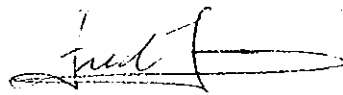
The proposed funding sources for the City's portion of the costs of the projects are the approved 2005-2008 Major Capital Works Programs.

### Conclusion

ICBC is a significant 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 the City. Therefore, staff recommend that Council endorse the various local road safety improvements for submission to the 2008 joint ICBC/City of Richmond *Road Safety Improvement Program*. Upon approval by ICBC of any projects, a cost-share agreement will be executed by staff with ICBC.



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