



To: Public Works and Transportation Committee **Date:** February 21, 2006
From: Victor Wei, P. Eng. **File:** 0150-20-ICBC1-01
Acting Director, Transportation
Re: **ICBC/CITY OF RICHMOND ROAD SAFETY IMPROVEMENT PROGRAM –
PROPOSED PROJECTS FOR 2006**

Staff Recommendation

1. That the list of proposed road safety improvement projects potentially eligible for funding contributions from the ICBC 2006 *Road Safety Improvement Program*, as described in the attached report, be endorsed.
2. That should the above applications be successful, staff be authorized to execute the cost-share agreements.

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

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

Origin

At the March 29, 2005 regular Council meeting, Council endorsed a number of proposed joint ICBC/City of Richmond road safety improvement projects for 2005. This report summarizes the projects implemented in 2005 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2006 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 completion of the Williams Road Bike Route from No. 1 Road to the west dyke, Blundell Road and No. 2 Road intersection improvements, system-wide upgrade of traffic signs, installation and upgrading of pedestrian crosswalks, installation of new left-turn arrows at a number of intersections, and other traffic safety education initiatives.

2. 2005 ICBC/City of Richmond Road Safety Improvement Projects

In 2005, ICBC invested approximately \$2.3 million in road improvements throughout the Fraser Valley. In Richmond, three projects received committed funding of \$214,000 with the balance funded from the approved 2005 Major Capital Works Program.

- *City-wide*: upgrade of the primary and secondary signal heads at all 80 full traffic signals in Richmond. Thirty-three pedestrian signals were also upgraded with reflective tape around the edges of the yellow backboards. ICBC contributed \$130,000.
- *City-wide*: improvements to the volume / density operation of traffic signals at 25 intersections across Richmond, which will reduce "dilemma zone" conflicts that can result in red light running and unexpected braking. ICBC contributed \$75,000.
- *Steveston Highway/No. 5 Road*: improvements at the intersection of Steveston Highway and No. 5 Road to better channel eastbound traffic on Steveston Highway. ICBC invested \$9,000.

3. Proposed 2006 ICBC/City of Richmond Road Safety Improvement Projects

The table below identifies a number of projects proposed for submission to the 2006 *Road Safety Improvement Program* for funding contribution from ICBC. The implementation of these projects will be subject to review by and cost-sharing with ICBC.

Proposed 2006 ICBC/City of Richmond Road Safety Improvement Program Projects

Project	Estimated Total Cost	Source of City Funds
Westminster Highway Widening – McMillan Way to Hwy 91 Interchange	\$6,500,000	2004-2006 Major Capital
Westminster Highway Bike Lanes – No. 8 Road to Nelson Road	\$293,000	2006 Major Capital
Garden City Road/Cook Road – Left-Turn Bay Installation & Signal Upgrade	\$183,000	2006 Major Capital
Great Canadian Way at Costco Driveway – Access Management (Centre Median Extension)	\$14,000	2006 Major Capital
Steveston Hwy/No. 5 Rd – Signage & Pavement Marking Improvements	\$10,600	2004 Minor Capital
Steveston Hwy/No. 5 Rd – Northbound Left-Turn Bay & Right-Turn Lane Extension	\$165,000	N/A
Garden City Road/Cambie Road – Southbound Left-Turn Bay Re-alignment	\$40,000	2006 Minor Capital
Arterial Road Crosswalk Upgrades <ul style="list-style-type: none"> • Garden City Rd & Bennett Rd • No. 1 Rd & Springfield Dr • Lansdowne Rd & Kwantlen St • No. 5 Rd & McNeely Dr • No. 6 Rd & Maycrest Way • Steveston Hwy & Roseland Gt • Steveston Hwy & Swinton Cr • Moncton St & Easthope Rd 	\$150,000	2006 Major Capital
New Traffic Signal Installation <ul style="list-style-type: none"> • Hollybridge Way & Elmbridge Way • No. 1 Rd & Moncton St 	\$250,000	2006 Major Capital
Upgrade of Primary/Secondary Signal Heads/Backboards – various locations	\$250,000	2006 Minor Capital
Upgrade of Volume/Density Detector Operations of Signals – various locations	\$60,000	2006 Minor Capital
Signal Timing Optimization – City-wide	\$70,000	2006 Minor Capital
TOTAL	\$7,985,600	

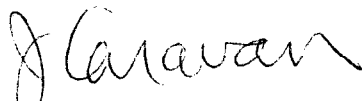
ICBC's potential funding contribution to these projects will be determined by historical traffic accident rates at these locations and the estimated reduction in ICBC claim costs resulting from the proposed traffic safety improvements.

Financial Impact

The proposed funding sources for the City's portion of the costs of the projects are the approved 2004, 2005 and 2006 Major and Minor 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. Past road safety projects partially funded with contributions from the annual *Road Safety Improvement Program* include the rehabilitation of Blundell Road between No. 4 Road and Shell Road, pavement markings on Hazelbridge Way and Cooney Road to improve delineation of the travel lanes and traffic signal enhancements and intersection improvements at a number of locations. Staff therefore recommend that Council endorse the various local road safety improvements proposed for the 2006 joint ICBC/City of Richmond *Road Safety Improvement Program*.



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Transportation Planner (4035)



Fred Lin, P.Eng.
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