



To: Public Works and Transportation Committee

Date: January 23, 2015

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

File: 01-0150-20-ICBC1-
01/2015-Vol 01

Re: ICBC-City of Richmond Road Improvement Program – Proposed Projects for 2015

Staff Recommendation

1. That the list of proposed road safety improvement projects, as described in the staff report, be endorsed for submission to the ICBC 2015 *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 2015 Capital Plan and 5-Year (2015-2019) Financial Plan be amended accordingly.

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

Att. 1

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Finance	<input checked="" type="checkbox"/>	
Engineering	<input checked="" type="checkbox"/>	
Law	<input checked="" type="checkbox"/>	
RCMP	<input checked="" type="checkbox"/>	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: 	APPROVED BY CAO

Staff Report

Origin

At the March 24, 2014 Council meeting, Council endorsed a number of proposed joint ICBC-City of Richmond road safety improvement projects for 2014. This report summarizes the projects implemented in 2014 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2015 ICBC-City of Richmond *Road Improvement Program* partnership.

Analysis

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 eligible 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.

2014 ICBC/City of Richmond Road Improvement Projects

As shown in Table 1 below, a number of City projects substantially completed in 2014 will receive a total of \$58,000 in funding from ICBC's 2014 *Road Improvement Program*.

Table 1: 2014 Road Improvement Projects receiving ICBC Funding

Location	Project Description	ICBC Contribution
<ul style="list-style-type: none"> • Francis Road-Ash Street • 8000-block St Albans Road • 7400-block River Road • 8200-block No. 5 Road • Williams Road-Freshwater Drive • Steveston Highway-Bonavista Gate 	Installation of special crosswalk	\$5,000 \$7,000 \$8,000 \$8,000 \$7,000 \$8,000
Granville Avenue: Ash Street-entrance to Garden City Park	Parkside Bikeway: construction of multi-use pathway on north side	\$5,000
Westminster Hwy: Fraserside Gate-Smith Cr	Minor shoulder widening to create walkway separated by extruded curb	\$5,000
<ul style="list-style-type: none"> • Cambie Road-Stolberg Street • Russ Baker Way-Miller Road 	Installation of UPS (Uninterrupted Power Supply) for traffic signals	\$2,500 \$2,500
Total		\$58,000

Proposed 2015 ICBC-City of Richmond Road Improvement Projects

Attachment 1 identifies a range of projects proposed for submission to the 2015 *Road Improvement Program* for funding contribution from ICBC that would provide benefits for all road users (i.e., motorists, cyclists, pedestrians, transit users). In continued 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 six special crosswalks, seven pedestrian signals on high volume arterial roadways, a neighbourhood walkway, and a sidewalk in the City Centre. The total estimated cost of these pedestrian-related projects is \$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 2016 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 2015 Capital Plan and 5-Year (2015-2019) Financial Plan be amended accordingly to reflect the receipt of external grants.

Financial Impact

None.

As indicated in Attachment 1, the funding sources for the City's portion of the costs of the projects have either been previously approved by Council or will be considered as part of the 2015 Capital Budget process. Several of the identified projects have additional external grants either approved or pending approval from other agencies such as TransLink. Should any submitted projects receive funding from ICBC, the City's portion of the total capital cost would be reduced accordingly.

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 2015 joint ICBC-City of Richmond *Road Improvement Program*.



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Transportation Planner
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Att. 1: Proposed 2015 City-ICBC Road Improvement Projects

Proposed 2015 City-ICBC Road Improvement Projects

Proposed 2015 ICBC-City of Richmond Road Improvement Program Projects	Estimated Total Cost	Source & Amount of City Funds ⁽¹⁾		External Agency Funding ⁽²⁾
Installation of advance left-turn arrows ⁽³⁾ : <ul style="list-style-type: none"> WB Cook Road to SB No. 3 Road NB Garden City Rd to WB Cook Road SB No. 3 Road to EB Park Road Other locations to be determined⁽⁵⁾ 	\$50,000 \$40,000 \$50,000 \$140,000	2015 Traffic Signal Program	\$70,000	\$70,000 TransLink (pending)
Traffic calming measures in various locations pending results of traffic studies ⁽⁴⁾ Installation of pedestrian zone markers pending results of traffic studies ⁽⁴⁾ : <ul style="list-style-type: none"> Azure Blvd school zone fronting Brighthouse Elementary School Cook Road school zone fronting Cook Elementary School 	\$350,000	2015 Traffic Calming Program	\$350,000	-
Installation of special crosswalks: <ul style="list-style-type: none"> Granville Ave-McCallan Road Chatham Street-1st Avenue Railway Avenue-Hollymount Gate Shell Road-Bird Road No. 4 Road-Dayton Road Elmbridge Way-WorkSafeBC Entrance Other locations to be determined⁽⁵⁾ 	\$55,000 \$55,000 \$55,000 \$55,000 \$55,000 \$330,000	2015 Special Crosswalk Program	\$302,500	\$27,500 TransLink (confirmed)
Installation of pedestrian signals: <ul style="list-style-type: none"> Francis Road-St Albans Road Kwantlen Street-Kwantlen University Westminster Hwy-McCallan Road Blundell Road-Ash Street No. 2 Road-Colville Road No. 1 Road-Regent Street Gilbert Road-Lucas Road Other locations to be determined⁽⁵⁾ 	\$82,000 \$137,000 \$120,000 \$120,000 \$120,000 \$120,000 \$120,000 \$819,000	2013 Traffic Signal Program 2014 Traffic Signal Program 2015 Traffic Signal Program 2014 Active Transportation Program 2015 Active Transportation Program	\$82,000 \$72,000 \$120,000 \$180,000 \$60,000	\$180,000 TransLink (confirmed) \$60,000 TranLink (pending) \$65,000 Kwantlen Polytechnic University (confirmed)
Installation of full traffic signal: <ul style="list-style-type: none"> No. 2 Road-Blundell Centre Entrance Other locations to be determined⁽⁵⁾ 	\$60,000	2015 Traffic Signal Program	\$10,000	\$50,000 Developer Contribution (confirmed)
Synchro Traffic Signal Program Upgrade: Upgrade of signal controllers and City's traffic management system	\$180,000	2015 Traffic Signal Program	\$90,000	\$90,000 TransLink (pending)
Video detection cameras & controllers: <ul style="list-style-type: none"> Locations to be determined 	\$125,000	2015 Traffic Signal Program	\$125,000	-
Extension of Lansdowne Road: Minoru Blvd-Alderbridge Way	\$3,000,000	2012-2013 Capital Project	\$3,000,000	-
Crosstown Neighbourhood Bike Route: paved pathway connection through Blundell Park between Danube Road and Lucas Rd	\$300,000	2015 Active Transportation Program	\$150,000	\$150,000 TransLink (confirmed)
Construction of neighbourhood path/sidewalk: <ul style="list-style-type: none"> Shell Rd East: Williams Rd-Seahurst Rd Minoru Blvd (east side): Elmbridge Way-Alderbridge Way Other locations to be determined⁽⁵⁾ 	\$350,000 \$300,000	2015 Neighbourhood Walkway Program 2015 Arterial Roadway Improvement Program	\$350,000 \$300,000	-
Bus stop upgrade and/or construction of connecting sidewalk/pathway: <ul style="list-style-type: none"> Multiple locations city-wide 	\$151,900	2014 Pedestrian & Roadway Improvement Program 2015 Transit-Related Road Improvement Program	\$25,950 \$50,000	\$75,950 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) These projects have also been submitted for consideration of 50-50 cost-sharing to TransLink's 2015 Transit-Related Road Infrastructure Program.

(4) Implementation is subject to consultation with and support from affected residents.

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