



To: Public Works and Transportation Committee

Date: February 15, 2017

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

File: 01-0150-20-ICBC1-
01/2017-Vol 01

Re: **ICBC-City of Richmond Road Improvement Program – Proposed Projects for 2017**

Staff Recommendation

1. That the list of proposed road safety improvement projects, as described in Attachment 2 of the staff report titled "ICBC-City of Richmond Road Improvement Program – Proposed Projects for 2017," dated February 15, 2017 from the Director, Transportation be endorsed for submission to the ICBC 2017 Road Improvement Program for consideration of cost sharing funding; and
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 that the 5-Year Financial Plan (2017-2021) be amended accordingly.

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

Att. 2

REPORT CONCURRENCE		
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Finance	<input checked="" type="checkbox"/>	 FOR JOE FRIELE
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 29, 2016 Council meeting, Council endorsed a number of proposed joint ICBC-City of Richmond road safety improvement projects for 2016. This report summarizes the projects implemented in 2016 with funding from ICBC and presents a list of projects proposed to be implemented with funding contributions from ICBC as part of the 2017 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.

Completed 2016 ICBC-City of Richmond Road Improvement Projects

As shown in Attachment 1, a number of City projects fully or substantially completed in 2016 will receive a total of \$287,000 in funding from ICBC's 2016 *Road Improvement Program*.

Proposed 2017 ICBC-City of Richmond Road Improvement Projects

Attachment 2 identifies a range of projects proposed for submission to the 2017 *Road Improvement Program* for funding contribution from ICBC that would provide benefits for all road users (i.e., motorists, cyclists, pedestrians, transit users).

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 the 2018 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 the approved projects and that the 2017 Capital Plan and 5-Year Financial Plan (2017-2021) be amended accordingly to reflect the receipt of external grants.

Financial Impact

The total estimated cost of all the projects identified in Attachment 2 is \$3,364,000.

As indicated in Attachment 2, the City's portion of the costs of the projects are fully funded with the funding sources having been either previously approved by Council or approved as part of

the 2017 Capital Budget. 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 2017 joint ICBC-City of Richmond *Road Improvement Program*.



Joan Caravan
Transportation Planner
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Att. 1: 2016 Road Improvement Projects receiving ICBC Funding
Att. 2: Proposed 2017 City-ICBC Road Improvement Projects

2016 Road Improvement Projects receiving ICBC Funding

Location	Project Description	ICBC Contribution
Gilbert Road (Lansdowne Road-River Road)	Road Widening	\$17,000
<ul style="list-style-type: none"> • No. 4 Road-Blundell Road • No. 4 Road-Westminster Highway • No. 5 Road-Westminster Highway 	Installation of northbound and southbound left-turn arrows	\$15,000 \$15,000 \$15,000
<ul style="list-style-type: none"> • Sweden Way-Bridgeport Road • No. 2 Road-Westminster Highway • Garden City Road-Granville Avenue • Westminster Highway-Jacombs Road 	Installation of UPS (Uninterrupted Power Supply) for traffic signals	\$2,500 \$2,500 \$2,500 \$2,500
<ul style="list-style-type: none"> • St. Albans Road-Jones Road • Garden City Road-Jones Road • No. 4 Road-Dayton Avenue 	Installation of Special Crosswalk	\$4,000 \$7,000 \$10,000
<ul style="list-style-type: none"> • No. 2 Road-Colville Road • No. 1 Road-Regent Street • Gilbert Road-Lucas Road • Westminster Highway-McCallan Road • Blundell Road-Ash Street 	Upgrade of Marked Crosswalk to Pedestrian Signal	\$14,000 \$4,000 \$5,000 \$5,000 \$5,000
<ul style="list-style-type: none"> • No. 2 Road-Maple Road • No. 2 Road-Blundell Centre Entrance 	Upgrade of Pedestrian Signal to Full Traffic Signal	\$14,000 \$21,000
<ul style="list-style-type: none"> • Great Canadian Way/Garden City Road (Bridgeport Road-Cambie Road) • Westminster Highway (Jacombs Road-No. 6 Road) 	Intersection Traffic Video Detection Camera System	\$52,000 \$68,000
<ul style="list-style-type: none"> • 7th Avenue (Pleasant St-Regent St) • Bridgeport Road (Viking Way-No. 6 Rd) 	Pedestrian Walkway/Sidewalk	\$3,000 \$3,000
Total		\$287,000

Proposed 2017 City-ICBC Road Improvement Projects

Proposed 2017 ICBC-City of Richmond Road Improvement Program Projects	Estimated Total Cost	Source & Amount of City Funds ⁽¹⁾		Other External Agency Funding ⁽²⁾
Traffic calming measures in various locations pending results of traffic studies ⁽³⁾	\$95,000	2017 Traffic Calming Program	\$95,000	-
Installation of pedestrian zone markers pending results of traffic studies ⁽³⁾ : • Locations to be determined ⁽⁴⁾	\$5,000	2017 Traffic Calming Program	\$5,000	-
Installation of pedestrian signals: • No. 4 Road-Albion Road • Granville Ave-Minoru Complex Entrance • Other locations to be determined ⁽⁴⁾	\$120,000 \$150,000	2014 Traffic Signal Program 2017 Traffic Signal Program	\$120,000 \$150,000	-
Installation of full traffic signal: • Granville Ave-Minoru Gate • Other locations to be determined ⁽⁴⁾	\$350,000	2017 Traffic Signal Program	\$350,000	-
Multi-use pathway: Westminster Hwy (No. 8 Road-Nelson Road)	\$400,000	2015 Active Transportation Program	\$400,000	-
Multi-use pathway: River Drive (No. 4 Road-Van Horne Way)	\$1,344,000	2017 Roads DCC Program	\$688,500	\$171,500 (Confirmed) \$484,000 (Pending)
Garden City Road-Odlin Road: southbound to eastbound left-turn lane	\$200,000	2016 Arterial Roadway Improvement Program	\$200,000	-
Construction of pedestrian path/sidewalk: • No. 2 Road (Granville Ave-Westminster Hwy) • Seacote Road (Williams Road-150 m north) • River Road (Oval Way-Brighouse Way) • Other locations to be determined ⁽⁴⁾	\$400,000 \$200,000 \$100,000	2017 Arterial Roadway Improvement Program 2016 & 2017 Neighbourhood Walkway Programs 2016 Arterial Roadway Improvement Program	\$200,000 \$200,000 \$100,000	\$200,000 (Pending) - -

- (1) Should the submitted project receive funding from ICBC, the City's portion of the total cost would be reduced accordingly.
- (2) The amount shown represents the maximum funding contribution to be received from the external agency based on the City's cost estimate for the project. The actual approved amount may be lower than requested. The actual invoiced amount follows project completion and is based on incurred costs. Should the project receive funding from an external agency, the City's portion of the total cost would be reduced accordingly.
- (3) Implementation is subject to consultation with and support from affected residents.
- (4) Additional locations may be identified for submission to ICBC prior to its annual program deadline.