



To: Mayor and Councillors
From: Lloyd Bie, P.Eng.
Director, Transportation
Date: July 16, 2020
File: 10-6360-06-01/2020-Vol 01
Re: **Estimated Costs for Temporary Road Changes in Steveston Village for August 2020**

As directed at the July 13, 2020 Council meeting, this memorandum provides the estimated costs to implement temporary road changes in Steveston Village for the BC Day weekend (August 1-3, 2020) as well as for the month of August 2020.

BC Day Weekend: August 1-3, 2020

The same scope of temporary road changes implemented on Canada Day will be implemented for the three days of the BC Day long weekend (Table 1). Drawing on the Canada Day experience, the traffic control plan will be refined to include the installation of three digital display boards to provide further guidance to motorists and modification of the hours of the road changes to 7:00 am to 9:00 pm on Saturday, and 9:00 am to 9:00 pm on Sunday and Monday. An earlier start time on Saturday is required for set up activities.

Table 1: Temporary Road Changes in Steveston Village for BC Day Weekend

Measure	Scope
Closure of Moncton Street	<ul style="list-style-type: none">3-block closure between No. 1 Road and Third AvenueNorth-south avenues remain openNorth-south lanes open from Chatham St and Bayview St, and closed at Moncton St
One-Way Street System for Bayview Street	<ul style="list-style-type: none">Conversion from 2-way to 1-way westbound between No. 1 Road and Third AveConversion of First and Third Avenues from 2-way to 1-way northbound between Bayview Street and Moncton Street to support vehicle and pedestrian circulation

Based on this scope, the total estimated cost to implement the temporary road changes for the three day BC Day weekend is \$30,000. The two main cost components are traffic control personnel (\$27,500) and set up/take down activities including signage and digital display board rental (\$2,500). All set up/take down and traffic control work will be performed by Public Works personnel.

Month of August 2020

For the month of August, the same scope of temporary road changes implemented for the BC Day weekend can be implemented (Option 1). Two additional options are also feasible:

- Option 2: One-way system on Moncton Street eastbound rather than full closure, which will preserve on-street parallel parking on the north side of the street while providing increased space

for physical distancing on both sides of the street. This is the least expensive option, creates significant space for social distancing, and addresses some of the parking concerns identified in previous merchant surveys.

- Option 3: Hybrid of Options 1 and 2 with a one-way system on Moncton Street eastbound during weekdays and full closure of Moncton Street on weekends when higher pedestrian volumes are anticipated. This option creates more social distancing space on weekends when higher pedestrian volumes are anticipated while reducing costs compared to Option 1.

For all options, the temporary road changes remain in place 24 hours per day. For Options 1 and 3 that include the closure of Moncton Street, traffic control personnel are deployed from 9:00 am to 7:00 pm Monday to Thursday, and 9:00 am to 9:00 pm Friday to Sunday when higher pedestrian volumes are anticipated. The traffic control personnel will facilitate deliveries and manage traffic volumes, particularly at the intersections.

For Options 2 and 3 that include a one-way system on Moncton Street, additional physical protection is required to be installed between the expanded pedestrian space and the relocated parallel parking to ensure safety. An allowance for traffic control personnel is included to facilitate deliveries and manage traffic volumes.

Table 2 summarizes the total estimated costs to implement the temporary road changes for the period August 4-31, 2020 (i.e., beyond the BC Day weekend) for the identified options. All set up/take down and traffic control work will be performed by Public Works personnel for all options.

Table 2: Estimated Costs of Options for Temporary Road Changes in Steveston Village for August 2020

Option		Estimated Cost	
1	Closure of Moncton St & One-Way Bayview St	Traffic Control	\$115,000
		Set Up/Take Down	\$7,500
		Total	\$122,500
2	One-Way Moncton St & One-Way Bayview St	Traffic Control	\$15,000
		Set Up/Take Down	\$17,500
		Total	\$32,500
3	Weekday: One-Way Moncton St Weekend: Closure of Moncton St All Days: One-Way Bayview St	Traffic Control	\$81,500
		Set Up/Take Down	\$22,000
		Total	\$103,500

If you have any questions, please contact me at 604-516-9934.



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LB:jc

cc: SMT