



**To:** Public Works and Transportation Committee

**Date:** June 24, 2021

**From:** Lloyd Bie, P.Eng.  
Director, Transportation

**File:** 10-6450-09-01/2021-  
Vol 01

**Re:** **Fundy Drive – Traffic Calming Update**

**Staff Recommendation**

That the staff report titled “Fundy Drive – Traffic Calming Update” dated June 24, 2021, from the Director, Transportation, be received for information.

Lloyd Bie, P.Eng.  
Director, Transportation  
(604-276-4131)

Att. 2

REPORT CONCURRENCE		
<b>ROUTED TO:</b>	<b>CONCURRENCE</b>	<b>CONCURRENCE OF GENERAL MANAGER</b>
RCMP	<input checked="" type="checkbox"/>	
Engineering	<input checked="" type="checkbox"/>	
Fire-Rescue	<input checked="" type="checkbox"/>	
<b>SENIOR STAFF REPORT REVIEW</b>	<b>INITIALS:</b>	<b>APPROVED BY CAO</b>

## Staff Report

### Origin

At the April 12, 2021 Council meeting, the following resolution was carried:

*That staff implement immediate traffic calming on Fundy Drive such as a crosswalk at the entrance to the path just east of Pugwash and installation of a stop sign at Pugwash and to work with the neighbourhood to implement further traffic calming measures adjacent to the park.*

This report provides the outcome of staff's review of the request and engagement with the neighbourhood.

This report supports Council's Strategic Plan 2018-2022 Strategy #1 A Safe and Resilient City:

*Enhance and protect the safety and well-being of Richmond.*

*1.4 Foster a safe, caring and resilient environment.*

### Analysis

#### Review of Traffic Calming Request

Fundy Drive is a local street within a neighbourhood subdivision located east of No. 1 Road and mid-point between Williams Road and Steveston Hwy. There is a 50 km/h speed limit with warning signs advising a 30 km/h speed limit through the curved section of the roadway in the south. A portion of the street fronts the park grounds for Diefenbaker Elementary School.

The City received a signed petition from a number of residents of Fundy Drive requesting the implementation of traffic calming measures to address residents' concerns of speeding motorists and pedestrian safety (Attachment 1). Staff responded to the request for traffic calming measures by collecting current traffic data, and reviewing other traffic-related and road geometry information to assess the actual conditions and quantify any concerns including:

- *Traffic Speed Study:* Counters were placed on the north-south section of Fundy Drive for the period April 8-20, 2021. The results indicated average speeds of 33 km/h for northbound traffic and 36 km/h for southbound traffic.
- *Stop Sign Installation:* The internal intersections of Cavendish Drive and Pugwash Place with Fundy Drive did not have traffic control devices. As the installation of stop signs at uncontrolled intersections in residential neighbourhoods is an effective measure to clarify the right-of-way at the intersections and reduce collisions and/or conflicts, staff installed stop signs for eastbound traffic on Cavendish Drive and Pugwash Place in mid-April 2021.
- *Crosswalk Studies:* Staff conducted warrants at the three proposed crosswalk locations suggested by the residents. Counts undertaken during the afternoon period ranged from 12 to 30 pedestrians.

### Engagement with Neighbourhood

Staff held a virtual information meeting with residents on May 5, 2021 to discuss the findings of staff's technical assessment. While the traffic speed study indicated that the majority of motorists were driving below the posted speed limit of 50 km/hr, residents still expressed traffic speed and safety concerns. This is primarily due to residents perceiving the posted speed limit as being too high for Fundy Drive, particularly when elementary school students are crossing the streets. Accordingly, the concept of slow streets (i.e., lower speed limit) was discussed with the residents and was used to jointly develop a proposed traffic calming plan that had the support of the majority of residents who attended the meeting and formed the basis of a neighbourhood survey. The proposed measures will not materially impact emergency response times.

### *Neighbourhood Survey*

From late May to early June 2021, residents of Fundy Drive between Fundy Gate and Fortune Avenue were surveyed to determine the level of support and obtain comments for the proposed traffic calming plan that comprises the following elements (Attachment 2):

- *Reduce Speed Limit*: Reduce the vehicle speed limit along the frontage of the park from 50 km/hr to 30 km/hr between dawn and dusk. Research indicates that lower speeds reduce the frequency and severity of crashes, and also decrease the risk of a pedestrian or cyclist fatality if hit by a motorist. Several Metro Vancouver municipalities are implementing “slow street” pilot projects on local roads (e.g., Vancouver, Surrey, City of North Vancouver) and Richmond has 30 km/h residential streets in several locations (e.g., Burkeville, portions of Finn Road and Ryan Road). Traffic Control and Regulation Bylaw No. 5870 does not need to be amended to make the speed limit change as the location of the zone is along a park and school grounds, which is permitted by the provincial Motor Vehicle Act.
- *Speed Humps*: Install three permanent asphalt vehicle speed humps.
- *Pedestrian Crosswalks*: Install three pedestrian crosswalks.
- *In-Pavement Markers*: Install in-pavement traffic signage at two crosswalks for the pathways that connect to Williams Road and No. 1 Road.
- *Parking Restrictions*: Prohibit on-street vehicle parking along the curved sections of Fundy Drive adjacent to the park.

A survey response rate of 58% was received (88 responses out of 153 in total). Of the 88 respondents, 79 (90%) were in favour with nine (10%) not in favour. Per Council Policy 7018, the Director of Transportation has the authority to implement the measures as there is support from the majority of affected residents (79 of 153, or 52%) and the project will be implemented on a local street. During this period, the principal of Diefenbaker Elementary School has been kept informed and has not raised any concerns.

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### Next Steps

Construction is planned for summer/fall 2021. Staff will endeavour to have the project substantially completed before the start of school in September.

### **Financial Impact**

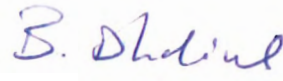
The estimated cost to implement the traffic calming measures is \$51,800, which can be funded by the approved 2021 Traffic Calming Program.

### **Conclusion**

The City and residents of Fundy Drive collaboratively developed a traffic calming plan that upon implementation is anticipated to improve traffic safety and the walkability of the neighbourhood thereby encouraging greater community wellness and social interaction.



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Transportation Engineer  
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JC:jc





Bill Dhaliwal  
Supervisor, Traffic Operations  
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- Att. 1: Requested Improvements Listed in Neighbourhood Petition
- Att. 2: Traffic Calming Plan for Fundy Drive

Requested Improvements Listed in Neighbourhood Petition



Proposed Marked Crosswalk 

Proposed Speed Hump 

Traffic Calming Plan for Fundy Drive



Pedestrian Crosswalk	■
In-Pavement Marker	○
Speed Hump	○
30 km/h Speed Limit in Effect Dawn to Dusk	■ ■ ■ ■
Parking Restriction	—