



# City of Richmond

## Report to Committee

**To:** Public Works and Transportation Committee

**Date:** June 17, 2024

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

**File:** 10-6480-03-01/2024-  
Vol 01

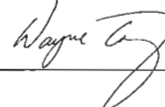

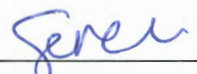
**Re:** Springfield Drive - Traffic Calming

### Staff Recommendation

That the implementation of two speed cushions on Springfield Drive, as described in the staff report titled "Springfield Drive - Traffic Calming" dated June 17, 2024 from the Director, Transportation, be endorsed.

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

Att. 1

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

## Staff Report

### Origin

Residents along Springfield Drive have raised concerns regarding speeding vehicles. This report provides the results of a traffic assessment and the outcome of a residential survey to assess the level of support for speed mitigation along Springfield Drive.

This report supports Council's Strategic Plan 2022-2026 Focus Area #3 A Safe and Prepared Community:

*Community safety and preparedness through effective planning, strategic partnerships and proactive programs.*

This report supports Council's Strategic Plan 2022-2026 Focus Area #6 A Vibrant, Resilient and Active Community:

*Vibrant, resilient and active communities supported by a wide variety of opportunities to get involved, build relationships and access resources.*

### Analysis

#### Review of Traffic Calming Request

Springfield Drive is a local street within the neighbourhood north of Steveston Highway and west of No. 1 Road. There is a 50 km/h speed limit on this street.

In January 2024, staff received a request for traffic calming measures along Springfield Drive between No. 1 Road and Fourth Avenue to address vehicle speeding. Further to the request, staff conducted a traffic study and surveyed residents regarding traffic calming on this street.

#### *Speed Study and Crash History*

A traffic study was performed to assess the site conditions and quantify operational and safety related concerns including:

- **Traffic Speed Study:** Counts were conducted from February 26 to March 4, 2024 on Springfield Drive. The results indicated over-speeding with an 85<sup>th</sup> percentile speed of 53 km/h and 89 km/h in the westbound and eastbound directions, respectively.
- **Collision History:** The most recent five-year ICBC data (2018-2022) recorded two vehicle incidents on Springfield Drive. One incident involved a cyclist.

#### *Proposed Traffic Calming Measure*

Options for traffic calming on Springfield Drive were reviewed in consideration of roadway geometry, driveway spacing and consultation with Richmond Fire-Rescue.

Speed cushions were determined as the appropriate traffic calming measure to reduce vehicle speeds on Springfield Drive. Speed cushions are similar to speed humps and include cut-outs for passage by fire trucks.

The City has pre-fabricated speed cushions that have proved to be effective during a pilot project on Kittiwake Drive. Staff recommend installing these cushions on Springfield Drive to assess their effectiveness.

*Residential Survey*

From May 9 to May 31, 2024, residents of Springfield Drive were surveyed to determine the level of support for the proposed pre-fabricated speed cushions (Figure 1).



Figure 1: Proposed Speed Cushions

A total of 39 surveys were mailed to each discrete address; 22 responses were received for a 56 per cent response rate.

Figure 2 provides a breakdown of the survey results. 86 per cent of respondents or 49 per cent of total dwellings on Springfield Drive support the speed cushions.

Next Steps

As the results of the traffic study demonstrates speeding on Springfield Drive, intervention to reduce vehicle speeds are recommended.

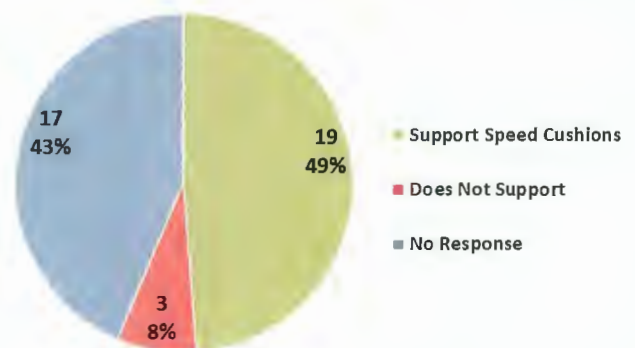


Figure 2: Springfield Drive Traffic Calming Survey Results

Council Policy 7018 (Attachment 1) indicates the Director, Transportation may implement traffic calming measures, without reference to Council, if the measure has the support of the majority of affected residents and the measures are on a local street. As the proposed speed cushions did not have the majority of support by all residents on Springfield Drive (49 per cent of addresses or 86 per cent of respondents), Council approval is required.

### **Financial Impact**

The cost to implement the pre-fabricated speed cushions is \$2,000, which can be funded by the approved 2024 Traffic Calming Program.

### **Conclusion**

Implementation of traffic calming measures on local streets in the City is an inclusive and community-driven program. Following concerns from area residents regarding vehicle speeds on Springfield Drive, a traffic study confirmed speeding. A residential survey resulted in support by 86 per cent of respondents and 49 per cent by all households for the installation of two pre-fabricated speed cushions on Springfield Drive.

Staff recommend installing the speed cushions for three months on Springfield Drive to discourage speeding. The improvements to traffic safety and any feedback from residents will be monitored. Upgrade to asphalt speed cushions will occur following the three month period provided the speed improvements are achieved and there are no concerns from residents.



Sonali Hingorani, P. Eng.  
Manager, Transportation Planning and New Mobility  
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SH:ck

Att. 1: Policy Manual 7018



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**Traffic Calming Related Measures – Approval Process for  
the Implementation of**

**Policy 7018**

Adopted by Council: October 15, 2002

**POLICY 7018:**

It is Council policy that:

1. The Director, Transportation may implement traffic calming measures, without reference to Council, where the proposed project meets all of the following conditions:
  - a) has the support of the majority of residents affected by the project; and
  - b) will be implemented on a local street or laneway (regardless of whether or not the project involves physical changes to the lane).
2. Where all of the above conditions are not met, or where any of the following conditions apply, Council approval for the implementation of traffic calming measures must be obtained if such project:
  - a) is controversial within the neighborhood affected; or
  - b) requires additional funding beyond the program or project budget for the current year.