



# City of Richmond

## Report to Committee

**To:** Public Works and Transportation Committee

**Date:** May 27, 2024

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

**File:** 10-6460-01/2024-Vol  
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**Re:** Kittiwake Drive - Traffic Calming Update

### Staff Recommendation

That the two asphalt speed cushions on Kittiwake Drive remain as a permanent condition, as described in the staff report titled "Kittiwake Drive – Traffic Calming Update" dated May 27, 2024 from the Director, Transportation.

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

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

## Staff Report

### Origin

At its regular meeting of June 26, 2023, Council endorsed the following:

*That Option 3 to implement a pilot project for the temporary installation of two asphalt speed cushions on Kittiwake Drive for a trial period of six months, as described in the staff report titled "Kittiwake Drive - Traffic Calming Pilot Project Update" dated May 19, 2023 from the Director, Transportation, be endorsed.*

This report provides the results of the six month trial period of the traffic calming pilot project on Kittiwake 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

#### Background

Kittiwake Drive is a local street that connects No. 2 Road to Kingfisher Drive. It is located in the residential neighbourhood south of Steveston Highway.

In June 2021, residents of Kittiwake Drive submitted a petition requesting speed humps to address concerns of speeding motorists. A traffic study confirmed speeding issues along Kittiwake Drive. Although consultation with residents did not result in a majority support for any specific traffic calming device, 57 per cent of residents indicated support for some type of speed mitigation on Kittiwake Drive.

Subsequently, Council approved the installation of two temporary pre-fabricated speed cushions on Kittiwake Drive as a trial. Speed cushions are similar to speed humps, but with cut-outs designed to not impede nor slow down emergency response vehicles (ERV's).

The trial with the temporary speed cushions confirmed vehicle speed reduction. Following the trial, in June 2023, Council approved a pilot project for the installation of two asphalt speed cushions on Kittiwake Drive.

The asphalt speed cushions (Figure 1) were installed in September 2023 and the six month pilot project is now complete.



Figure 1: Location of Asphalt Speed Cushions on Kittiwake Drive

Outcome of the Traffic Calming Pilot Project

During the pilot project with the asphalt speed cushions, staff conducted a speed study to assess the effectiveness of these devices and obtain comments from residents.

Table 1 summarizes the vehicle operating speeds on Kittiwake Drive prior to any traffic calming intervention and the results with the two asphalt speed cushions.

**Table 1: 85<sup>th</sup> Percentile Traffic Speeds on Kittiwake Drive**

	Westbound	Eastbound
<b>Before Traffic Calming Installation</b>	67 km/h	55 km/h
<b>After Asphalt Speed Cushion Installation</b>	41 km/h	42 km/h

The results indicate the asphalt speed cushions have been successful at reducing vehicle operating speeds on Kittiwake Drive. Eighty-five per cent of traffic on this street is travelling at speeds lower than 42 km/h.

Resident Feedback

Since the installation of the asphalt speed cushions in September 2023, staff have not received any feedback from residents regarding concerns with the speed cushions.

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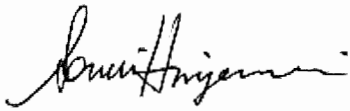
### **Financial Impact**

None.

### **Conclusion**

The pilot project involving the installation of two asphalt speed cushions on Kittiwake Drive has concluded. Staff evaluated the effectiveness of these traffic calming devices in reducing vehicle speeds. The result of a post installation speed study indicates a decrease in the 85<sup>th</sup> percentile operating speed of 13km/h eastbound and 26 km/h westbound.

Staff recommend the two existing asphalt speed cushions remain as a permanent traffic calming measure to address resident concerns and measured speeding on Kittiwake Drive.



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