

**DATE:** April 20, 2023

**TO:** Mayor and Members of Council

**FROM:** Zoran Postic, Deputy City Manager, Public Works

**RE:** **COMMUNICATION – Council – April 25, 2023**  
**Report No. 18, Item No.18**

**WARD 2 - ALL-WAY STOP AT JULIA VALENTINA AVENUE AND  
NOAH CRESCENT**

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**Purpose:**

To provide information for the Julia Valentina Avenue and Noah Crescent intersection at the direction of Committee of the Whole.

**Background:**

**Residents of Julia Valentina Avenue and Noah Crescent have raised concerns about road safety at the Julia Valentina Avenue and Noah Crescent intersection.**

Julia Valentina Avenue, Casa Vista Drive and Noah Crescent are local streets with an 8.0 m pavement width. Julia Valentina Avenue and Noah Crescent and Casa Vista Drive form a four-legged intersection. The intersection currently has stop controls on Casa Vista Drive and Noah Crescent and Julia Valentina Avenue is under free-flow conditions. A sidewalk exists on the north side of Casa Vista Drive. Casa Vista Drive connects to St. Stephen Catholic Elementary School and Sunset Ridge Park. The area is shown in Attachment No. 1.

Residents have expressed concerns with respect to road safety. An all-way stop control exists at the Via Carmine Avenue and Casa Vista Drive intersection.

**At the April 18<sup>th</sup> meeting, Committee of the Whole directed that staff report back with findings at the Council meeting of April 25<sup>th</sup>, 2023 to provide information on the need for installing an all-way stop control at the Julia Valentina Avenue and Noah Crescent/Casa Vista Drive intersection.**

Staff have been directed to bring forward a report on the study findings of the Julia Valentina Avenue and Noah Crescent/Casa Vista Drive intersection and the need for an all-way stop control.

The all-way stop control warrant analysis is generally based on the thresholds established in Book 5 of the Ontario Traffic Manual (January 2022). Based on the analysis, the warrant for all-way stop control is not met.

The study results are summarized in Table 1, based on the City’s most recent turning movement counts at the intersection, collected on November 23, 2022.

**Table 1: All Way Stop Warrant Analysis at the Julia Valentina Avenue and Casa Vista Drive / Noah Crescent intersection**

Warrant Criteria	7-8am	8-9am	3-4pm	4-5pm	Average
All approaches > 200 for each of highest 4 peak hours	44	87	75	60	33%
Minor Street approaches + pedestrians > 75 for same 4 peak hours	16	34	32	23	35%

As shown, at this intersection the criteria of all approaches must be greater than 200 for each of the four highest peak hours, and minor street approaches must be greater than 75 for each of the same four highest peak hours. The criteria for an all-way stop control was not met at this intersection.

A review of collision history did not reveal any reported collisions at this intersection.

Sight visibility was also reviewed as part of the study. Vegetation at the northeast corner of the intersection has been successfully trimmed back to improve sight visibility by the City’s Forestry team on December 22, 2022.

**Planned traffic measures are underway to improve traffic operations at the intersection and surrounding area.**

Understanding the continued concerns of the area residents, staff have developed a pavement marking plan to enhance this intersection and to guide motorists traveling in the area. This plan includes a center line on Julia Valentina Avenue, and an enhanced crosswalk at the Julia Valentina Avenue and Casa Vista Drive intersection. In-road flexible signs are also planned to be implemented on Julia Valentina Avenue. Attachment 2 outlines the pavement markings and signage plan. This work will be prioritized and scheduled as part of the 2023 annual pavement makings program, anticipated to start in May.

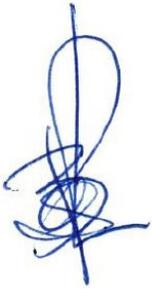
St. Stephens Catholic Elementary School and Lorna Jackson Public School are part of the City’s Active School Travel pilot project. In-road flexible signs are planned to be re-installed on Napa Valley Avenue as a speed management measure this Spring. Retracing of existing pavement markings in the form of centreline and edge-lines are planned for Napa Valley Avenue as part of the 2023 annual pavement markings program. Staff will continue to monitor traffic conditions at this intersection and surrounding area.

For more information, contact Peter Pilateris, Director of Transportation and Fleet Management Services, ext. 6141.

**Attachments:**

1. Location Map
2. Pavement Markings and Signage Plan

Respectfully submitted by:

A handwritten signature in blue ink, consisting of several loops and a vertical line, positioned above the name Zoran Postic.

Zoran Postic  
Deputy City Manager, Public Works

# ATTACHMENT No. 1



## ALL-WAY STOP CONTROL REVIEW 1. JULIA VALENTINA AVENUE AND NOAH CRESCENT/CASA VISTA DRIVE

### LEGEND

-  PROPOSED ALL-WAY STOP
-  SCHOOL



NOT TO SCALE

# Attachment No. 2



Date: April 17, 2023

Page 1 Notes: All dimensions in metres



Drawn By: A.Bhatia

## Proposed Improvements - Julia Valentina Avenue

- Install Yellow centreline pavement marking from Sunset Ridge to Napa Valley Avenue
- Install enhanced ladder crosswalk markings and yellow centreline tail markings at Julia Valentina Avenue and Noah Crescent/Casa Vista Drive
- Install Max 40 flexible signs

 Proposed flexible sign installation

