

## **All-Way Stop Control - Marine Parade Drive and Silver Moon Drive**

**Date:** November 14, 2024

**To:** Etobicoke York Community Council

**From:** Director, Traffic Management, Transportation Services

**Wards:** Ward 3 - Etobicoke Lakeshore

### **SUMMARY**

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This staff report is about a matter that Community Council has delegated authority from City Council to make a final decision.

Transportation Services is requesting approval to install all-way stop control at the intersection of Marine Parade Drive and Silver Moon Drive. Based on the assessment undertaken, the installation of all-way stop control is recommended and should enhance safety for all road users.

A companion report, titled "Parking Regulation Amendments – Marine Parade Drive" proposes a "No Stopping Anytime" prohibition on Marine Parade Drive in the area opposite Silver Moon Drive. These amendments are shown in Attachment 1.

### **RECOMMENDATIONS**

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The Director, Traffic Management, Transportation Services recommends that:

1. Etobicoke York Community Council authorize all-way compulsory stop control at the intersection of Marine Parade Drive and Silver Moon Drive.

### **FINANCIAL IMPACT**

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The estimated costs associated with the proposed amendment is \$1200.00. Funding is anticipated to be available within the Transportation Services 2024 Operating and Capital Budgets.

### **DECISION HISTORY**

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This report addresses a new initiative.

## COMMENTS

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At the request of the Ward Councillor, Transportation Services investigated the feasibility of installing all-way stop control at the intersection of Marine Parade Drive and Silver Moon Drive.

### Existing Conditions

Marine Parade Drive is characterized by the following conditions:

- It is a two-lane, north-south, collector roadway
- It operates two-way traffic on a pavement width of approximately 17 metres
- The daily two-way traffic volume is approximately 3,200 vehicles
- The speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There is Toronto Transit Commission (TTC) service provided by the 80 Queensway bus
- There are sidewalks located on both sides of the street
- Raised concrete islands are located in the centre of Marine Parade Drive east and west of the subject intersection.

Silver Moon Drive is characterized by the following conditions:

- It is a two-lane, north-south, local roadway
- It operates two-way traffic on a pavement width of approximately 6.5 metres
- The speed limit is 50 km/h
- Heavy trucks are permitted at all times
- There is no TTC service provided
- There are sidewalks located on both sides of the street

These two streets intersect to form a *T-type* three-leg intersection, with right-of-way controlled by a stop sign for southbound traffic on Silver Moon Drive.

Humber Bay Park and Waterfront Trail are located on the east side of Marine Parade Drive.

A map of the area is included in Attachment 1.

### Study Results

In order for all-way stop control to be warranted at an intersection established criteria must be satisfied. The warrants consist of four components, including collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major road and the percentage of traffic on the major road.

Collision history provided by the Toronto Police Service for the three-year period ending December 31, 2023, disclosed that there have been no reported collisions occurred at this intersection.

Transportation Services conducted an all-way stop control study on April 24, 2024, at the subject intersection. The results of the study were evaluated against the warrant criteria for all-way stop control as adopted by City Council. The evaluation is

summarized in Table 1.

Table 1: All-Way Stop Control Study at Marine Parade Drive and Silver Moon Drive

No.	Warrant Type	Actual	Required	Satisfied (Yes/No)
A	Number of Potentially Preventable Collisions (January 1, 2021 - December 31, 2023)	0	9	No
B1	Average Vehicle Volumes	329/hour	375/hour	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road (Average)	203/hour	150/hour	Yes
B3	Percentage of Traffic on Major Street	59%	≤70%	Yes

In order for the all-way stop control to be technically warranted, either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be achieved. Based on the study results, the technical warrants for the installation of all-way stop control are satisfied. Therefore, it is recommended that all-way stop control be installed at the intersection of Marine Parade Drive and Silver Moon Drive.

Considering the above, the installation of all-way stop control is recommended at the intersection of Marine Parade Drive and Silver Moon Drive to appropriately assign the right of way.

The Ward Councillor has been advised of the recommendation of this staff report.

## CONTACT

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## SIGNATURE

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Roger Browne, M.A.Sc., P. Eng.  
Director, Traffic Management, Transportation Services

## ATTACHMENTS

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Attachment 1: Map - Proposed All-Way Stop Control and Parking Regulations - Silver Moon Drive and Marine Parade Drive

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