

- 2. ALL WAY STOP CONTROL AT THE INTERSECTION OF SOLSTICE WAY  
AND SUMMER DAYS WALK**
- ARRÊT TOUTES DIRECTIONS À L'INTERSECTION DE LA VOIE SOLSTICE  
ET DU SENTIER SUMMER DAYS**

**COMMITTEE RECOMMENDATION**

**That Council approve the installation of an all-way stop control at the intersection of Solstice Way and Summer Days Walk.**

**RECOMMANDATION DU COMITÉ**

**Que le Conseil approuve la mise en place d'un arrêt toutes directions à l'intersection de la voie Solstice et du sentier Summer Days.**

**DOCUMENTATION / DOCUMENTATION**

Councillor Blais, report dated 28 June 2017 (ACS2017-CCS-TRC-0014 )

Rapport du Conseiller Blais, daté le 28 juin 2017 (ACS2017-CCS-TRC-0014 )

**Report to**  
**Rapport au:**

**Transportation Committee**  
**Comité des transports**  
**5 July 2017 / 5 juillet 2017**

**and Council**  
**et au Conseil**  
**12 July 2017 / 12 juillet 2017**

**Submitted on June 28, 2017**  
**Soumis le 28 juin 2017**

**Submitted by**  
**Soumis par:**  
**Councillor / Conseiller Stephen Blais**

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**Ward: CUMBERLAND (19)**

**File Number: ACS2017-CCS-TRC-0014**

**SUBJECT: All Way Stop Control at the intersection of Solstice Way and Summer Days Walk**

**OBJET: Arrêt toutes directions à l'intersection de la voie Solstice et du sentier Summer Days**

#### **REPORT RECOMMENDATION**

**That the Transportation Committee recommend that Council approve the installation of an all-way stop control at the intersection of Solstice Way and Summer Days Walk.**

## **RECOMMANDATION DU RAPPORT**

**Que le Comité des transports recommande au Conseil d'approuver la mise en place d'un arrêt toutes directions à l'intersection de la voie Solstice et du sentier Summer Days.**

## **BACKGROUND**

All-Way Stop Controls have been identified by residents as the preferred approach for improving traffic safety in the Summerside neighborhood. There has been significant request from the community for all-way stops at the intersection of Summer Days Walk and Solstice Way since 2014; as this intersection is also adjacent to a busy park with no crosswalk.

## **DISCUSSION**

The Solstice Way and Summer Days Walk intersection is currently operating with stop controls on the Summer Days walk approach to Solstice Way only. Directly across from Summer Days Walk, there is a pathway that connects the intersection to Joseph Vézina Park. This configuration is typical at most three-way intersections – free flow movement for the major volume street with a stop control placed on the minor volume intersecting street. The existing configuration is appropriate at this time.

Traffic Services staff have completed a review of the Solstice Way and Summer Days Walk intersection for the installation of AWSC and staff have concluded that the intersection does not meet the warrant criteria.

## **RURAL IMPLICATIONS**

There are no rural implications associated with this report or its recommendations.

## **CONSULTATION**

### **Transportation Services Comment:**

Traffic Services reviews all requests for the installation of all-way stop controls (AWSC) in a consistent manner. AWSC are only installed when the staff review confirms that such a measure is warranted by meeting specific criteria. The city's AWSC Warrant Criteria is based on past practices of former municipalities and aligns with the Ontario Traffic Manual.

The Warrant Criteria considers:

- Vehicular and pedestrian volume based on specific requirements for various roadway classifications in both urban and rural areas;
- Collision data over the last 3 years; and,
- Intersection visibility restrictions.

AWSC are installed when the required volume criteria is met, or when 3 or more intersection collisions considered preventable by AWSC have occurred over the last 3 years or when there is restricted visibility at the intersection.

Traffic Services staff have completed a review of the Solstice Way and Summer Days Walk intersection for the installation of all-way stop control (AWSC). Staff have concluded that the intersection does not meet the AWSC warrant criteria as a result of:

- low traffic volumes as supported by a September 2016 traffic count (intersection only meets 47% of the volume criteria);
- the absence of reported collisions in the past three years which suggests that the intersection operates in a safe manner with the current side street only stop control; and,
- sufficient sightlines; Traffic Services staff completed a field investigation and conclude that the available sight lines from the 'final' stop position are within the accepted engineering standards.

The current stop control on the minor approach is the most appropriate form of traffic control for the Solstice Way and Summer Days Walk intersection at this time.

It is staff's experience that the implementation of an unwarranted AWSC at the intersection of Solstice Way and Summer Days Walk may result in:

- a very low compliance for stopping in the northbound and southbound directions since these vehicles travelling on Solstice Way will rarely encounter a vehicle coming from Summer Days Walk;
- a potential to increase the collisions at this intersection due to the likely low compliance of stopping in the north and southbound directions on Solstice Way; and,

- the creation of a false sense of security for pedestrians crossing Solstice Way and for drivers of vehicles exiting the intersections from Summer Days Walk.

Should an AWSC be implemented at this location, considerable police enforcement may be required on an on-going basis to address issues with stop compliance of drivers traveling northbound and southbound on Solstice Way.

Staff estimate that the cost to implement an AWSC at the intersection of Solstice Way and Summer Days Walk will be approximately \$800 for the installation of the required regulatory signs, warning signs and pavement markings.

The cost for implementation can be accommodated within the existing Traffic Services operating budget.

#### **COMMENTS BY THE WARD COUNCILLOR(S)**

Councillor Blais supports the implementation of new All-Way Stop Controls at the intersection of Summer Days Walk and Solstice Way.

Summer Days Walk enters the community from a major collector road and is the primary gateway into the neighborhood. As such, speeding is often a concern. Providing an all-way stop will facilitate pedestrian access to both transit and parks and help alleviate speeding concerns.

#### **ADVISORY COMMITTEE(S) COMMENTS**

This has not been considered by Advisory Committees.

#### **LEGAL IMPLICATIONS**

There are no legal impediments to implementing the recommendation in this report.

#### **RISK MANAGEMENT IMPLICATIONS**

There are no risk management implications associated to this report.

#### **FINANCIAL IMPLICATIONS**

There are no financial implications associated with the recommendations in this report. The estimated cost can be funded from within the existing Traffic Services operating budget.

### **ACCESSIBILITY IMPACTS**

There are no accessibility impacts associated with the recommendations of this report.

### **TERM OF COUNCIL PRIORITIES**

The recommendation of this report aligns to the 2015-2018 Strategic Priority – Transportation and Mobility, specifically Strategic Objective TM4 – Improve safety for all road users.

### **DISPOSITION**

The Transportation Services Department will take appropriate action based on the recommendations made by the Committee and Council.