

**Strathcona Christian Academy Elementary Access****Report Purpose**

To provide Council with a proposed traffic safety improvement recommendation for the Strathcona Christian Academy (SCA) Elementary school access.

**Recommendation**

THAT the recommended traffic safety improvements at the SCA Elementary School access be approved; and that these recommendations be included in the 2017 Annual Traffic and Pedestrian Safety Improvements Program as part of the 2017 Capital Budget Process.

**Alternate Recommendation**

THAT an amendment to the 2016 Capital Budget to increase the 2016 Annual Traffic and Pedestrian Safety Improvements Program by \$80,000 to be funded from the Infrastructure Lifecycle, Maintenance and Replacement Reserve (1.3800), be approved.

**Council History**

December 8, 2015 - Council approved the 2016 Capital Budget.

May 17, 2016 - The Priorities Committee directed that the Strathcona Christian Academy Elementary Access Modifications report be referred to Council for debate and decision on June 21, 2016.

**Strategic Plan Priority Areas**

**Economy:** To improve the effectiveness and efficiency of existing infrastructure

**Governance:** Working with the SCA Elementary school to resolve a safety issue

**Social:** Improvements and safety of the community

**Culture:** n/a

**Environment:** n/a

**Other Impacts**

**Policy:** SER-009-017 Traffic Control Devices; SER-013-005 Road Right-of-Way Sign Policy

**Legislative/Legal:** n/a

**Interdepartmental:** Capital Planning and Construction, Planning and Development Services, Financial Services

**Summary**

Upon request from the SCA Elementary school, the access management and control of the drop-off and pick-up times at the school were reviewed from an engineering and traffic safety perspective. In order to effectively review the issues, both site geometry and recorded video data were evaluated. Through this detailed evaluation, a safety concern was identified; traffic is backing up on Range Road 231 and drivers' views are obstructed when exiting the SCA Elementary school parking lot.

In order to address the safety concern, several options were reviewed for consideration with the SCA staff and parents. Based upon the discussions with SCA, the engineering team developed options for consideration and analysis. As a result of the evaluations and proposed designs, one best fit option was developed as the proposed design, attached as Enclosure 1. The proposed design addresses the identified concerns by moving the waiting vehicles into a dedicated turn lane along Range Road 231; therefore, allowing the road to

operate freely. Additionally, the proposed plan provides drivers exiting the school parking lot the ability to safely approach the proposed stop bar to clearly see oncoming traffic.

In addition to the geometric constraints, the existing traffic signs and speeds were reviewed. As a result, the installation of School Area signs and the addition of "60 km/h Ahead" signs northbound on Range Road 231 will be completed in 2016. The proposed design to improve this traffic safety concern will cost approximately \$80,000.00. As the construction would be disruptive, it would be scheduled through the summer season.

2016	Road sign revisions – School Area and 60km/h Ahead signs added
2016	Proposed design – Engineering design completion
2017	Final design – Construction at SCA

The 2016 Traffic and Pedestrian Safety Program has prioritized safety improvement projects with the associated budget, therefore these improvements would need to be added as part of the 2017 program, unless a budget amendment was approved. The 2016 projects include

- Glen Allen Traffic Calming (Galloway Drive and Glenbrook Boulevard)
- Installation of Rectangular Rapid Flashing Beacons at pedestrian crossings (Broadway Boulevard at Robin Hood School/Facility, Cranberry at Trillium School, and Sherwood Drive south of the traffic circle)

#### **Communication Plan**

SCA Elementary school will be notified via letter as the proposed plan is implemented. Standard construction notifications will be created.

#### **Enclosure**

- 1 SCA Elementary Proposed Design

