


TO: Mayor J. Lehman and Members of Council

FROM: R. W. McArthur, P. Eng., Director of Engineering

NOTED: R. J. Forward, MBA, M.Sc., P. Eng., General Manager of Infrastructure, Development & Culture
R. J. Forward, MBA, M.Sc., P. Eng., Acting Chief Administrative Officer 

RE: Prince William Way (T00-TR)

DATE: February 27, 2012

This Memo is in response to the request for an overview of the history regarding Prince William Way and the implementation of the Community Safety Zone (CSZ) and the Variable Time Flashing 40 km/h Speed Zone.

The Council adopted Variable Time Flashing 40 km/h sign policy is as follows:

- a) Variable Time Flashing 40 km/h signs be installed at all Elementary Schools registered with the Ontario Ministry of Education, which has the primary entrance and exit from the school located on an arterial roadway or collector roadway with a daily traffic volume greater than 5000 vehicles.
- b) Variable Time Flashing 40 km/hr signs be installed to accommodate sight lines and road geometrics up to a maximum distance of 150 metres either side of the school property.
- c) Variable Time Flashing 40 km/h signs operate as follows:

| Start Time | Stop Time |
|--|-----------------------------------|
| 30 minutes before arrival time | 15 minutes after arrival time |
| 15 minutes before lunch begins and during lunch period | 15 minutes after lunch ends |
| 15 minutes before school dismissal | 30 minutes after school dismissal |

The development of the above Council adopted Variable Time Flashing 40 km/h sign policy was based on the Ontario Highway Traffic Act which stipulates that Variable Time Flashing 40 km/hr zones are only to be installed on a roadway that adjoins the entrance or exit from the school and up to a maximum of 150 metres on either side of the limits of the land used for the purpose of the school.

On August 18, 2008, City Council adopted Motion 08-G-389 regarding the Community Safety Zone Policy.

That the policy regarding "Community Safety Zones" be amended as identified in Appendix "A" of Staff Report ENG053-08.

The CZS policy as outlined in Staff Report ENG053-08 is as follows

That all roadways adjacent to Elementary Schools registered with the Ontario Ministry of Education be designated a Community Safety Zone, and that Engineering judgement be used prior to the implementation of a reduced speed limit of 40km/h in these zones.

On August 11, 2008, City Council adopted Motion 08-G-390 regarding the installation of a CSZ and 40 km/h speed limit on Prince William Way adjacent to Saint Gabriel The Archangel Catholic Elementary School.

1. That a Community Safety Zone (CSZ) be installed on Prince William Way from Sandringham Drive/Pepin Court to a point 50 meters south of Griffin Gate/Majesty Boulevard and that By-law 2003-160 be amended accordingly.
2. That a 40 km/h speed limit be installed on Prince William Way from Sandringham Drive/Pepin Court to a point 50 meters south of Griffin Gate/Majesty Boulevard and that By-law 2003-160 be amended accordingly.

When CSZ are established, care is taken to ensure that there is general consistency in the zones city-wide and that there is a strong tie to the adjacent schools (i.e. zones ideally between collector or arterial intersections). The CSZ and 40 km/hr speed limit were installed south of Sandringham Drive/Pepin Court. Had the zone been implemented north of this intersection, signs would be required on Prince William Way to notify vehicles turning off the side streets to head north bound that they are now within a CSZ and reduced speed limit area. In addition, a second set of signs would be required in very close proximity indicating the end of the zones. This approach in establishing the CSZ and 40 km/hr zone would not only be confusing to motorists, it would create a disregard for the signs in general.

At the time of the opening of Saint Gabriel the Archangel Catholic Elementary School in January 2009 the daily traffic volume of Prince William Way was approximately 4300 vehicles. As a result, the roadway did not meet the Council adopted Policy for the implementation of a Variable Time Flashing 40 km/h sign.

Staff continually monitored the traffic volume and in 2011 the traffic volume exceeded 5000 vehicles per day. On June 13, 2011, City Council adopted Motion 11-G-184 regarding the installation of a Variable Time Flashing 40 km/h zone on Prince William Way adjacent to Saint Gabriel The Archangel Catholic Elementary School.

That by-law 2002-191, Schedule "B" "Authorized Rates of Maximum Speed – Variable Time Flashing 40 km/hr Zone" be amended by adding the following:

| <u>Prince William Way</u> | <u>From</u> | <u>To</u> |
|---------------------------|--|---|
| | 64 metres south of Sandringham Drive/Pepin Court | 35 metres north of Griffin Gate/Majesty Boulevard |


The previously installed 40 km/h speed limit was removed as a result of the above Motion.

Under the Community Safety Zone Policy, staff has consistently installed approximately 70 community safety zones directly adjacent to all elementary schools for the purpose of increasing pedestrian safety, and to bring these zones to the attention of motorists as they are passing through a school zone. This signage is visible as the school property becomes visible; therefore, there is less of a potential for pedestrian/vehicular conflict.


Extending the Community Safety Zone to an arbitrary distance to which the school may not be visible at the time, motorists entering the CZS have the potential to create disrespect for the zones. On October 26, 2009, City Council adopted Motion 09-G-434 regarding not extending the existing Community Safety Zone on Prince William Way.

That a Community Safety Zone (CSZ) on Prince William Way, from Sandringham Drive/Pepin Court to a point approximately 50 metres south of Griffin Gate/Majesty Boulevard, not be extended to include the intersection of Prince William Way and Empire Drive.


In addition to the CZS and Variable Time Flashing 40 km/hr Zone installed adjacent to the school, staff have also installed two pedestrian signals on Prince William way. The first is installed directly in front of the school, north of The Queensway/Coronation Parkway, with the second pedestrian signal installed south of Sovereign's Gate. Please refer to Appendix "A" regarding the various safety measures installed on Prince William Way.



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R. W. McArthur, P. Eng.
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Appendix "A"

