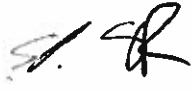




TO: GENERAL COMMITTEE

SUBJECT: ST. GABRIEL THE ARCHANGEL VARIABLE TIME FLASHING 40 KM/H SCHOOL ZONE

PREPARED BY AND KEY CONTACT: J. MACDONALD
TRAFFIC TECHNOLOGIST (EXT. 5178) 

SUBMITTED BY: R. W. MCARTHUR, P. Eng. 
DIRECTOR OF ENGINEERING

GENERAL MANAGER APPROVAL: R. J. FORWARD, MBA, M.Sc., P. Eng.
GENERAL MANAGER OF INFRASTRUCTURE, DEVELOPMENT & CULTURE 

CHIEF ADMINISTRATIVE OFFICER APPROVAL: JON M. BABULIC
CHIEF ADMINISTRATIVE OFFICER 

RECOMMENDED MOTION

1. That By-law 2002-191, Schedule "B", "Authorized Rates of Maximum Speed – Variable Time Flashing 40 kilometres per hour Zone" be amended by adding the following:

Street	From	To
Prince William Way	64 metres south of Sandringham Drive/Pepin Court	35 metres north of Griffin Gate/Majesty Boulevard

2. That By-law 2002-191, Schedule "A", "Authorized Rates of Maximum Speed – 40 kilometres per hour" be amended by deleting the following:

Street	From	To
Prince William Way	Sandringham Drive/Pepin Court	50 metres south of Griffin Gate/Majesty Boulevard.

PURPOSE & BACKGROUND

3. Prince William Way is a 16 metre four-lane collector roadway with a traffic volume of approximately 5,200 vehicles per day.
4. St. Gabriel the Archangel Elementary School is located on the west side of Prince William Way at Coronation Parkway. Prince William Way is currently designated a Community Safety Zone with a posted speed limit of 40 kilometres per hour. The portions of Prince William Way outside of the Community Safety Zone have a current posted speed limit of 50 kilometres per hour. Please see Appendix "A".
5. Variable Time Flashing 40 kilometres per hour signs mean that the posted speed will be reduced during peak weekday times when the majority of students are making their way to and from school. The times are identified with the arrival and dismissal times outlined by each school.
6. Activating the Variable Time Flashing 40 kilometres per hour signs only during the arrival and dismissal time conveys a clear and concise message to the motorist as to why the posted speed limit has been reduced.

Flashing Run Times	
Start Time	Stop Time
30 minutes before arrival time	15 minutes after arrival time
15 minutes before lunch begins	15 minutes after lunch ends
15 minutes before school dismissal	30 minutes after school dismissal

7. Council has adopted a policy regarding the use of Variable Time Flashing 40 kilometres per hour speed zones which recommends that the signs be installed at all elementary schools, which have the entrance and exit along an arterial roadway or collector roadway with an Average Annual Daily Traffic (AADT) volume greater than 5,000 vehicles.
8. As outlined within the Ontario Highway Traffic Act, Variable Time Flashing 40 kilometres per hour signs are only installed on a portion of roadway that has a school entrance or exit, and at a maximum distance of 150 metres either side of the limits of the school.

ANALYSIS

9. The current traffic volume on Prince William Way between Sandringham Drive/Pepin Court and Coronation Parkway is approximately 5,200 vehicles per day. Since current traffic volumes exceed 5,000 vehicles per day staff recommend that Variable Time Flashing 40 kilometres per hour speed zones be installed.
10. Due to the operational nature of the Variable Time Flashing 40 kilometres per hour signs, in that they only reduce the posted speed limit during the arrival, lunch and dismissal times of the school day, the original 50 kilometres per hour speed limits must be reinstated before the Variable Time Flashing 40 kilometres per hour sign can be activated.
11. Staff recommend that By-law 2002-191, Schedule "B", "Authorized Rates of Maximum Speed – Variable Time Flashing 40 kilometres per hour Zone" be amended by adding the following:

Street	From	To
Prince William Way	64 metres south of Sandringham Drive/Pepin Court	35 metres north of Griffin Gate/Majesty Boulevard

12. That By-law 2002-191, Schedule "A", "Authorized Rates of Maximum Speed – 40 kilometres per hour" be amended by deleting the following:

Street	From	To
Prince William Way	Sandringham Drive/Pepin Court	50 metres south of Griffin Gate/Majesty Boulevard.

13. Barrie Police Service is in support of the Variable Time Flashing 40 kilometres per hour Speed Zone Program as outlined herein.

ENVIRONMENTAL MATTERS

14. There are no environmental matters related to the recommendation.

ALTERNATIVE

15. The alternative available for consideration by General Committee:

Alternative #1

General Committee could maintain the existing By-law 2002-191, Schedule "A", "Authorized Rates of Maximum Speed – 40 kilometres per hour" on Prince William Way from Sandringham Drive/Pepin Court to a point approximately 50 metres south of Griffin Gate/Majesty Boulevard.

This alternative is not recommended as the installation of Variable Time Flashing 40 kilometre per hour signs meets the Ontario Highway Traffic Act regulations and Council has adopted the Variable Time Flashing 40 kilometre per hour Sign Policy.

FINANCIAL

16. The cost to install the Variable Flashing 40 kilometer per hour signs on Prince William Way is \$15,000 and has been included in the 2011 Business Plan.

LINKAGE TO COUNCIL STRATEGIC PRIORITIES

17. The recommendations included in this Staff Report are not specifically related to the goals identified in the 2010-2014 City Council Strategic Plan.

APPENDIX "A"

