SUBJECT: Part-time Reduced School Zone Speed Limits
(PW07043) - (City Wide)

RECOMMENDATION:

(a) That a “40 km/h when flashing” part-time speed limit be implemented on:
   (i) Inverness Avenue abutting Queensdale Elementary School, 67 Queensdale Avenue East;
   (ii) Highland Road abutting Saltfleet Secondary School, 108 Highland Road West;
   (iii) Upper Sherman Avenue abutting Franklin Road Elementary School, 500 Franklin Road;
   (iv) Gray Road abutting Cardinal Newman Secondary School, 127 Gray Road;
   (v) Garth Street abutting St. Therese of Lisieux Elementary School, 1760 Garth Street;
   (vi) Governor’s Road abutting Highland Secondary School, 310 Governor’s Road and St. Bernadette Elementary School, 270 Governor’s Road;
   (vii) Mohawk Road West abutting Regina Mundi Elementary School, 675 Mohawk Road West;

(b) That the by-law outlined in Report PW07043 as Appendix “A” to amend the City of Hamilton Traffic By-law 01-215 be passed and enacted.
EXECUTIVE SUMMARY:

The City’s Speed Limit Policy permits the use of part-time reduced speed limits on major roadways abutting schools. Staff has received several requests from Councillors and concerned residents to implement part-time reduced speed limits on the roadways abutting certain schools. Factors such as number of walking students, age, existing traffic controls, and roadway operating speed were analyzed and used to formulate a priority ranking for implementation. Staff are recommending that the Part-time Reduced Speed Limits in School Zones Program be implemented at the following schools.

- Queensdale Elementary, 67 Queensdale Avenue East
- Saltfleet Secondary, 108 Highland Road West
- Franklin Road Elementary, 500 Franklin Road
- Cardinal Newman Secondary, 127 Gray Road
- St. Therese of Lisieux Elementary, 1760 Garth Street
- Highland Secondary, 310 Governor's Road
- St. Bernadette Elementary, 270 Governor's Road
- Regina Mundi Elementary, 675 Mohawk Road West

This program increases driver awareness of children travelling to and from school and thus improving student safety. The requests meet the criteria of the approved policy for “Setting Speed Limits on City of Hamilton Roadways within School Areas”. Therefore, staff supports implementing part-time reduced speed limits at the above-noted locations.

BACKGROUND:

The information/recommendations contained within this report have city-wide implications.

The approved policy for “Setting Speed Limits on City of Hamilton Roadways” includes a provision for setting reduced speed limits on roads within school areas. In accordance with the City’s speed limit policy, a part-time reduced speed limit can be implemented on arterial roadways along the school frontage zone. Schools located on local roadways can qualify for a full-time speed limit of 40 km/h.

Staff first implemented the Part-time Reduced Speed Limits in School Zones Program in spring of 2006 at six school zone locations representing the inaugural phase of the program. An initial total of 16 requests for this program were made by Councillors, school representatives and area residents. The number of requests has since grown to 27 locations. Staff are proposing to install the equipment at 8 school locations in 2007.

The program involves the use of a reduced maximum speed limit sign enhanced by a dual flashing light indication. The flashing lights are activated during specific periods when children are travelling to and from school, at which time the reduced speed limit is in effect.

Staff has conducted a comprehensive review and assessment of the requested school areas. The criteria used focuses on factors such as number of walking students,
student’s age, traffic volumes, existing traffic controls and roadway operating speed. These factors were analyzed and used to formulate a priority ranking for implementation. Each location is further analyzed through site visits to assess the placement of the flashers in order to prevent visual conflicts with the flashers and existing traffic signals.

The part-time speed limits will be displayed through a specialized signing arrangement as shown below. The electronically illuminated flashing lights are activated only during specified times and reinforced with a “WHEN FLASHING” legend to maximize effectiveness (see figure 1). Times of activation will vary according to each school and will be focused on the times when most external student activity is taking place. This generally coincides with morning entrance, lunch and afternoon dismissal periods. Targeting the highest risk periods will maximize driver association of part-time speed limits with student activity. It is not recommended to have the flashing period activated the entire school day as it will likely decrease the effectiveness of the program.

![Figure 1](image)

The eight locations proposed for implementation this year have been provided for in Capital Budget accounts. The locations were selected based on a ranking determined by the evaluation of specific criteria as noted above. The following schools have been targeted for installation of part-time school speed limit zones in 2007.

<table>
<thead>
<tr>
<th>School</th>
<th>Location</th>
<th>Ward</th>
<th>Part-Time Speed Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Queensdale Elementary</td>
<td>Inverness Avenue</td>
<td>7</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Saltfleet Secondary</td>
<td>Highland Road</td>
<td>9</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Franklin Rd. Elementary</td>
<td>Up. Sherman Avenue</td>
<td>6 &amp; 7</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Cardinal Newman Secondary</td>
<td>Gray Road</td>
<td>9 &amp; 10</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>St. Therese of Lisieux Elementary</td>
<td>Garth Street</td>
<td>8</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Highland Secondary</td>
<td>Governor’s Road</td>
<td>13</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>St. Bernadette Elementary</td>
<td>Governor’s Road</td>
<td>13</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Regina Mundi Elementary</td>
<td>Mohawk Road</td>
<td>8</td>
<td>40 km/hr</td>
</tr>
</tbody>
</table>

Cardinal Newman Secondary School located on Gray and Saltfleet Secondary on Highland are currently in full-time 40 km/hr speed limit zones. In order to help increase compliance and to better highlight the school’s activity to motorists, it is proposed that the part-time speed limit be set at 40 km/hr and the background speed limit be set at 50 km/hr, which is the default speed limit throughout the City Of Hamilton. This has been discussed with and agreed to by the ward councillors.
Highland Secondary and St. Bernadette Elementary schools are located adjacent to each other on the south side of Governor’s. Presently, a third school (elementary) is being constructed on Governor’s at the westerly end of this zone. Staff are proposing to include the third school, presently under construction, in the school zone flasher segment on Governor’s. Adjustments to the existing background speed limit at the westerly end may be required in order to incorporate the third school in this zone.

**ANALYSIS/RATIONALE:**

The requests are in keeping with the approved policy and therefore, staff supports implementing a part-time reduced 40 km/h speed limit on the subject roadways in the area of the schools.

**ALTERNATIVES FOR CONSIDERATION:**

The alternative would be to implement a full time speed limit adjacent to the schools. Flashing part-time speed limits are a more effective approach to alerting motorists of an active school zone and its related student crossing activity.

**FINANCIAL/STAFFING/LEGAL IMPLICATIONS:**

Sufficient funds have been budgeted for and are available in the 2006 and 2007 Capital Project ID #4030620630 to cover the cost of purchasing, installing and maintaining the flasher equipment and signing. The 2007 portion are as part of the 2007 Capital Budget Recommended Projects. It is estimated that equipment, installation and maintenance costs will average approximately $13,000 per location for a total of $117,000. The installation will be carried out internally by City staff. It is anticipated that the installation at each school location can be completed by September 2007.

**POLICIES AFFECTING PROPOSAL:**

The subject recommendation is in keeping with the approved policy for “Setting Speed Limits on City of Hamilton Roadways”.

**RELEVANT CONSULTATION:**

Hamilton Police Services are fully supportive of this program and will provide enforcement in school areas as necessary.

The Councillors for the subject schools have been advised of the proposal to install the Part-time Reduced Speed Limits in School Zones Program at the selected schools in their wards.

**CITY STRATEGIC COMMITMENT:**

By evaluating the “Triple Bottom Line”, (community, environment, and economic implications) we can make choices that create value across all three bottom lines, moving us closer to our vision for a sustainable community, and Provincial interests.

**Community Well-Being is enhanced.**  
☑ Yes  ☐ No  
Public services and programs are delivered in an equitable manner, coordinated, efficient, effective and easily accessible to all citizens.  
Participation in community life is accessible to all Hamiltonians.
The public are involved in the definition and development of local solutions. Partnerships are promoted.

**Environmental Well-Being is enhanced.**  ☑ Yes  ☐ No

Human health and safety are protected.
Consumption of all natural resources is reduced.
Consumption of energy is reduced; alternative energy and co-generation are supported.
A sustainable transportation network provides many options for people and goods movement; vehicle-dependency is reduced.

**Economic Well-Being is enhanced.**  ☐ Yes  ☑ No

Does the option you are recommending create value across all three bottom lines?

☐ Yes  ☑ No

Do the options you are recommending make Hamilton a City of choice for high performance public servants?

☑ Yes  ☐ No

The creation of a respectful, desirable and supportive workplace.
Life-long learning is supported.
CITY OF HAMILTON

BY-LAW NO. 07-

TO AMEND BY-LAW NO. 01-215
BEING A BY-LAW TO REGULATE TRAFFIC

WHEREAS Section 11(1)1 of the Municipal Act, S.O. 2001, Chapter 25, as amended, confers upon the councils of all municipalities the power to enact by-laws for regulating traffic on highways subject to the Highway Traffic Act;

AND WHEREAS on the 18th day of September, 2001, the Council of the City of Hamilton enacted By-law No. 01-215 to regulate traffic;

AND WHEREAS it is necessary to amend By-law No. 01-215.

NOW THEREFORE the Council of the City of Hamilton enacts as follows:

1. Schedule 2 (Speed Limits) of By-law No. 01-215, as amended, is hereby further amended by adding to Section "B" (Dundas) thereof the following items, namely:

   "Northcliffe Ave. Hwy #6 Zellens Rd. 40
   Zellens Rd. Northcliffe Ave. End 40
   Newman Rd. Zellens Rd. York Rd. 40"

by adding to Section "E" (Hamilton) thereof the following item, namely:

   "Dalewood Cres. Main St. Sterling St. 40"

by deleting from Section "E" (Hamilton) thereof the following item, namely:

   "Dalewood Cres. King St. Sterling St. 40"

by deleting from Section "F" (Stoney Creek) thereof the following item, namely:

   "Highland 213m west of Up. Centennial 92 m east of First Rd. E. 40
   Dalewood Arnold Main 40"

By deleting from Section G (Former Regional Roads) Section 6 (Stoney Creek)

   "Gray Rd. Highway 8 King St. 40"
2. Schedule 3 (Flashing School Zones – Reduced Speed Limit) of By-law No. 01-215, as amended, is hereby further amended by adding to Section "B" (Dundas) thereof the following items, namely:

"Governor's Moss to 75m east of Huntingwood 40 7:50a.m. to 9:10a.m. 10:59a.m. to 1:45p.m. 2:45p.m. to 4:00p.m."

by adding to Section "E" (Hamilton) thereof the following items, namely:

"Inverness Wavell to Belvidere 40 8:20 a.m. to 9:15 a.m. 11:30 a.m. to 12:55 p.m. 3:15 p.m. to 3:55 p.m.

Up. Sherman Macassa to 80m north of Cameo 40 8:15 a.m. to 9:00 a.m. 11:50 a.m. to 1:05 p.m. 3:10 p.m. to 3:40 p.m.

Garth 140m south of Rymal to 450m south of Rymal 40 8:30 a.m. to 9:15 a.m. 3:30 p.m. to 4:00 p.m.

Mohawk Penlake to 70m east of Up. Paradise 40 7:45 a.m. to 8:40 a.m. 11:30 a.m. to 12:45 p.m. 2:50 p.m. to 3:30 p.m."

by adding to Section "F" (Stoney Creek) thereof the following items, namely:

"Highland 40m W of Leckie to 130 E of Highbury 40 7:45 a.m. to 8:30 a.m. 10:50 a.m. to 12:25 p.m. 2:35 p.m. to 3:05 p.m.

Gray Hwy 8 to Passmore 40 7:45 a.m. to 8:30 a.m. 11:00 a.m. to 1:45 p.m. 2:45 p.m. to 3:15 p.m."

3. Subject to the amendments made in this By-law, in all other respects, By-law No. 01-215, including all Schedules thereto, as amended, is hereby confirmed unchanged.

4. This By-law shall come into force and take effect on the date of its passing and enactment.

PASSED and ENACTED this day of , 2007.

_________________________________ ____________ ____________________
FRED EISENBERGER KEVIN C. CHRISTENSON
MAYOR CLERK
KEY MAP

Queensdale Elementary School

LOCATION PLAN

PART-TIME REDUCED SPEED
Queensdale School
Inverness Avenue

City Of Hamilton
Public Works Department

LEGEND

Proposed Part-time 40 km/h Zone

SCALE: NOT TO SCALE
DATE: 2007-03-26

REFERENCE FILE NO: PW07043
Proposed Part-time 40 km/h Zone

Franklin Road Elementary School
Upper Sherman Avenue
CITY OF HAMILTON
Public Works Department

LEGEND

SUBJECT ROAD
Proposed Part-time 40 km/h Zone

REFERENCE FILE NO: PW07043
KEY MAP

CARDINAL NEWMAN

LOCATION PLAN
PART-TIME REDUCED SPEED
Cardinal Newman High School
Gray Road
CITY OF HAMILTON
Public Works Department

LEGEND

SUBJECT ROAD
Proposed Part-time 40 km/h Zone

SCALE
NOT TO SCALE
DATE
2007-03-26

REFERENCE FILE NO: PW07043
LOCATION PLAN
PART-TIME REDUCED SPEED
St. Therese of Lisieux Elementary School
Garth Street
School Area
CITY OF HAMILTON
Public Works Department

LEGEND

SUBJECT ROAD
Proposed Part-time 40 km/h Zone

SCALE DATE
NOT TO SCALE
2007-03-26

REFERENCE FILE NO: PW07043
LOCATION PLAN
PART-TIME REDUCED SPEED
Highland Secondary School and St. Bernadette Elementary School
Governor’s Road

CITY OF HAMILTON
Public Works Department

LEGEND

SUBJECT ROAD
Proposed Part-time 40 km/h Zone

SCALE
NOT TO SCALE
DATE
2007-03-26

REFERENCE FILE NO: PW07043