SUBJECT: Part-time Reduced School Zone Speed Limits
(PW09076) - (City Wide)

RECOMMENDATION:

(a) That a “40 km/h when flashing” part-time speed limit be implemented on:
   (i) Sanford Avenue North abutting Sanford Avenue School;
   (ii) Wentworth Street North abutting Cathy Wever School;
   (iii) Upper Paradise Road abutting St. Thomas More School;
   (iv) Paramount Drive abutting Janet Lee School;
   (v) Airport Road West abutting Mount Hope School;
   (vi) West 5th Street abutting Calvin Christian School;
   (vii) Main Street East abutting Delta Secondary School;

(b) That this project be funded from Capital Project ID’s #4030620630 and #4040920930;

(c) That the by-law outlined in Report PW09076 as Appendix “A” to amend the City of Hamilton Traffic By-law 01-215 be passed and enacted.

Gerry Davis, CMA
General Manager
Public Works Department

EXECUTIVE SUMMARY:

The purpose of this report is to obtain approval for the implementation of Part-time Reduced Speed Limits in School Zones pursuant to the City’s Speed Limit Policy at the following schools:
SUBJECT: Part-time Reduced School Zone Speed Limits
(PW09076) - (City Wide) - Page 2 of 12

- Sanford Avenue School, Sanford Avenue North
- Cathy Wever School, Wentworth Street North
- St. Thomas More School, Upper Paradise Road
- Janet Lee School, Paramount Drive
- Mount Hope School, Airport Road West
- Calvin Christian School, West 5th Street
- Delta Secondary School, Main Street East

BACKGROUND:

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

City Council approved policy for “Setting Speed Limits on City of Hamilton Roadways” includes a provision for setting reduced speed limits on roads within school areas. School areas are roadways that border on school properties. 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 may qualify for a full-time speed limit of 40 km/h.

Staff has implemented the Part-time Reduced Speed Limits in School Zones Program at a total of 15 school locations since inception in 2006. There is sufficient funding available in the 2009 capital account to implement this program at seven more school locations.

Staff has conducted a comprehensive review and assessment of the requested school areas. The review criteria includes factors such as number of walking students, 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 was further analyzed through site visits to assess the placement of the flashers in order to prevent visual conflicts between the flashers and existing traffic signals or signs.

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.

The part-time speed limits will be displayed through the signing arrangement as shown below. The electronically illuminated flashing lights are activated only during specified times and reinforced with the speed limit reduction 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.
The seven locations recommended for implementation this year are listed below. The locations were selected based on a ranking determined by the evaluation of specific criteria as noted above.

<table>
<thead>
<tr>
<th>School</th>
<th>Location</th>
<th>Ward</th>
<th>Part-Time Speed Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanford Elementary</td>
<td>Sanford Ave.</td>
<td>3</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Cathy Weaver</td>
<td>Wentworth St. N.</td>
<td>3</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>St. Thomas More Secondary</td>
<td>Up. Paradise</td>
<td>8</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Janet Lee Elementary</td>
<td>Paramount Dr.</td>
<td>9</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Mount Hope Elementary</td>
<td>Airport Rd. W.</td>
<td>11</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Calvin Christian Elementary</td>
<td>West 5th St.</td>
<td>8</td>
<td>40 km/hr</td>
</tr>
<tr>
<td>Delta Secondary</td>
<td>Main St. E.</td>
<td>4</td>
<td>40 km/hr</td>
</tr>
</tbody>
</table>

**ANALYSIS/RATIONALE:**

The locations recommended for the installation of part time reduced 40 km/hr speed limit qualify under the parameters of the City’s Speed Limit Policy.

**ALTERNATIVES FOR CONSIDERATION:**

The alternative would be to maintain status quo and not implement a part-time speed limit adjacent to the schools; this alternative is not recommended as it would not provide benefits of alerting motorists to the presence 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 Capital Project ID’s #4030620630 and #4040920930 to cover the cost of purchasing, and installing the flasher equipment and signing. It is estimated that equipment costs, including installation costs will total approximately $70,000. The installation will be carried out internally by City staff. It is anticipated that the installation at each school location can be completed the end of this year.

**POLICIES AFFECTING PROPOSAL:**

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

Figure 1

The maximum speed limit is 40 km/h when flashing.
The Part-time Reduced Speed Limits in School Zones Program is consistent with Vision 2020, the Corporate Strategic Plan and Public Works Innovative Now. This program provides a service that our communities can connect with and trust; a cleaner, greener, more connected and walkable city.

This project is also consistent with the goals of the Hamilton Strategic Road Safety Program for alternative transportation for vulnerable users. This program attempts to make roadways safer thus encourage school age children to walk to school.

**RELEVANT CONSULTATION:**

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

The Ward Councillors for the subject schools have been advised and are in favour 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
  - Reducing the severity of motor vehicle collisions saves real and societal costs

**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
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 3 (Flashing School Zones – Reduced Speed Limit) of By-law No. 01-215, as amended, is hereby further amended by adding to Section "D" (Glanbrook) thereof the following item, namely:

<table>
<thead>
<tr>
<th>“Airport”</th>
<th>Marion to 340m westerly</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>“Sanford”</th>
<th>Cannon to Barton</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wentworth</th>
<th>Bristol to Cannon</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Upper Paradise</th>
<th>75m north of Meadowbank to Skyview</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>West 5th</td>
<td>Mohawk to 100m south of Tyrone</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Main 40m east of Park Row to 30m west of Tuxedo 40
8:20 a.m. to 9:05 a.m.
11:30 a.m. to 12:35 p.m.
3:00 p.m. to 3:30 p.m.”

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

“Paramount Benwood to 125m east of Upper Mount Albion 40
7:40 a.m. to 8:25 a.m.
12:10 a.m. to 1:05 p.m.
2:30 p.m. to 4:00 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 CHRISTENSON
MAYOR       CLERK
LOCATION PLAN

PART-TIME REDUCED SPEED
St. Thomas More Secondary School
Upper Paradise Road

City Of Hamilton
Public Works Department

KEY MAP

St. Thomas More Secondary School

LEGEND

Proposed Part-time 40 km/h Zone

SCALE DATE
NOT TO SCALE 2009-09-09
REFERENCE FILE NO: PW09076
LOCATION PLAN

PART-TIME REDUCED SPEED

Janet Lee Elementary School
Paramount Drive
CITY OF HAMILTON
Public Works Department

LEGEND

SUBJECT ROAD
Proposed Part-time 40 km/h Zone

SCALE DATE
NOT TO SCALE 2009-09-09

REFERENCE FILE NO: PW09076
LOCATION PLAN
PART-TIME REDUCED SPEED

Mount Hope Elementary School
Airport Road West
CITY OF HAMILTON
Public Works Department

LEGEND

SUBJECT ROAD
Proposed Part-time 40 km/h Zone

SCALE
NOT TO SCALE
DATE
2009-09-09

REFERENCE FILE NO: PW09076
Calvin Christian School
West 5th Street
CITY OF HAMILTON
Public Works Department

LEGEND

SUBJECT ROAD
Proposed Part-time 40 km/h Zone

SCALE
NOT TO SCALE
DATE
2009-09-09
REFERENCE FILE NO: PW09076