

COMMITTEE OF THE WHOLE – APRIL 24, 2012

2012 SPEED COMPLIANCE PROGRAM ALL WARDS

Recommendation

The Commissioner of Engineering and Public Works recommends that Council receive this report for information.

Contribution to Sustainability

Not Applicable.

Economic Impact

There is no direct economic impact as a result of this report. The activities associated with the Speed Compliance Program are fully funded through the approved 2012 Operating Budget.

The estimated cost to administer the planned 2012 Program is approximately \$27,500, including but not limited to program development, equipment set-up and dismantling, compilation and analysis of data, communication with stakeholders, and maintenance costs.

Communications Plan

Staff has communicated the plan to York Regional Police, the York Region District School Board, and the York Catholic District School Board.

Staff will also communicate results of all speed compliance studies initiated by the public.

Purpose

To advise Council of the City's Speed Compliance Program, and the planned studies to be undertaken in 2012.

Background - Analysis and Options

Engineering Services staff has developed the schedule for this year's Speed Compliance Program. The 2012 schedule for the Program can be found in Attachments 1 and 2.

This initiative was launched in 2010 in partnership with York Regional Police, to raise awareness of motorist travel speed, in comparison to the posted speed limit, using Radar Message Boards (RMBs).

Each RMB is equipped with a radar unit that continuously monitors the speed of oncoming traffic, and displays it on a light-emitting diode message board. Signs are placed on the same street, facing opposite directions, to monitor oncoming traffic in both directions.

All traffic data collected from the RMB is analyzed, and study results are forwarded to York Regional Police for their information, driver education, and any associated enforcement efforts.

Several municipalities jointly administer similar speed compliance programs with their local police department, including Richmond Hill, Halton Hills, Chatham-Kent, Hamilton, and Burlington.

The Speed Compliance Program proactively addresses two types of priority areas: school zones and higher capacity roadways.

School Zones

The Speed Compliance Program is primarily focused on the reduction of speeds through school zones. The Program is supported by school administrators who welcome increasing safety awareness within school communities.

The school zone component of the Program will be expanded this year, accommodating twice as many schools (46) as compared to previous years. The attached school zone schedule represents approximately two-thirds of the elementary schools in both Public and Catholic boards. RMBs will be placed in school zones in the spring and fall, to align with increased pedestrian activity. The RMBs will be active for one week per site. The effectiveness of this approach will be measured in follow-up observations using other equipment at other times throughout the year.

Higher Capacity Roadways

This year, three solar powered Radar Message Boards will be dedicated to higher capacity roadways, either collectors or feeder roads. These roadways have capacities of approximately 12,000 vehicles per day, and are included in the 2012 Program because speeding issues have been consistently noted. At these locations, the RMBs will be set out for longer durations, typically 8 weeks. In some instances, previous traffic studies have been undertaken, and the emphasis of the RMB will be education.

Citizen Requests

The Program has also included speed monitoring on a reactive basis in response to concerns raised by residents, as received by staff and York Regional Police. These locations are scheduled on an as-needed basis, for two weeks in duration.

A 2009 Report prepared by Town of Richmond Hill Engineering and Public Works staff revealed that the effectiveness of radar speed boards, over a six month period, resulted in increased speed compliance of approximately 70 percent (source: Town of Richmond Hill, Committee of the Whole Report, Engineering and Public Works, June 16, 2009, "Effectiveness of the Pole Mounted Electronic Radar Speed Boards along High Tech Road").

Empirical data from the transportation industry demonstrates that radar message boards are effective while displayed, whereas the residual effect, once the signs are removed, is negligible (source: T. Mazzella and D. Godfrey, "Building and Testing a Customer Responsive Neighborhood Traffic Control Program," in 1995 Compendium of Technical Papers, Institute of Transportation Engineers, Washington, DC, 1995, pp. 75-79).

Since the original implementation of the City's Speed Compliance Program in 2010, staff have not collected data to evaluate the long term effectiveness of this Program. As a result, several RMB locations from the 2011 Program have been included in this year's schedule. The follow-up studies will assist staff in assessing the long term impact to driver behavior in Vaughan.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations contained in this report will assist to enhance and ensure community safety, health and wellness.

This report is consistent with the priorities previously set by Council.

Regional Implications

Not Applicable.

Conclusion

Staff does not recommend any changes to the 2012 Speed Compliance Program, at this time. All of the information is being provided for Council's consideration.

Attachments

1. 2012 Speed Compliance Program Schedule – School Zones
2. 2012 Speed Compliance Program Schedule – Longer and Shorter Duration

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Respectfully submitted,

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ATTACHMENT NO. 1

2012 Speed Compliance Program Schedule - School Zones			
	Week of:	Ward	Road
1	26-Mar-12	3	Via Campanile near Pierre Berton PS
		4	Thomas Cook Ave near Nellie McClung PS
2	2-Apr-12	4	Peter Rupert Ave near St. Cecilia CES
		3	Fox Hound Cres near Vellore Woods PS
3	9-Apr-12	5	York Hill Blvd near Blessed Scalabrini CES
		1	Hawker Rd near Blessed Trinity CES
4	16-Apr-12	1	Melville Ave near Divine Mercy CES
		4	Mistysugar Tr near Bakerfield PS
5	23-Apr-12	3	Blue Willow Dr near Blue Willow PS
		5	New Westminster Dr near Holy Family CES
6	30-Apr-12	4	Brownridge Dr near Brownridge PS
		1	St. Joan of Arc Ave near Holy Jubilee CES
7	7-May-12	4	Apple Blossom Dr near Carrville Mills PS
		3	Aberdeen Ave near Immaculate Conception CES
8	13-May-11	2	Crofter's Rd near Our Lady of Fatima CES
		5	Joseph Aaron Blvd near Charlton PS
9	21-May-12	4	Grand Trunk Ave near Dr. Roberta Bondar PS
		5	Beverly Glen Dr near Wilshire PS
10	28-May-12	1	Del Franseca Wy near St. James CES
		2	Napa Valley Dr near Elder's Mills PS
11	4-Jun-12	4	Forest Run Blvd near Forest Run PS
		2	Coronation St near San Marco CES
12	11-Jun-12	3	La Rocca Ave near St Agnes of Assisi CES
		3	Fiori Dr near St Gabriel the Archangel CES
13	18-Jun-12	2	Martin Grove Rd near St Angela Merici CES
		5	Glen Shields Ave near Glen Shields PS
14	25-Jun-12	4	Via Romano Blvd near Herbert H. Carnegie PS
		2	Terra Rd near St Catherine of Siena CES
15	3-Sep-12	1	Julliard Dr near Julliard PS
		5	Glen Shields Ave near Our Lady of Rosary CES
16	10-Sep-12	2	Bainbridge Ave near St Clement CES
		1	Islington Ave near Kleinburg PS
17	17-Sep-12	1	Killian Rd near St David CES
		3	Highmark Dr near Glenn Gould PS
18	24-Sep-12	1	Melville Ave near Mackenzie Glen PS
		3	Vellore Woods Blvd near St Emily CES
19	1-Oct-12	3	Aberdeen Ave near St Francis of Assisi CES
		1	Hawker Rd near Maple Creek PS
20	8-Oct-12	1	Melville Ave near Michael Cranny ES
		2	Napa Valley Dr near Lorna Jackson PS
21	15-Oct-12	3	Greenpark Blvd near St Gregory the Great CA
		5	Rosedale Heights Dr near Rosedale Heights PS
22	22-Oct-12	3	Belview Ave near St John Bosco CES
		1	Murray Farm Lane near Teston Village PS
23	5-Nov-12	4	Thornhill Woods Dr near Thornhill Woods PS
		5	Brownridge Dr near St Joseph the Worker CES

ATTACHMENT NO. 2

2012 Speed Compliance Program Schedule - Longer Duration (8 weeks)

Date	Location	Ward	Location	Ward	Location	Ward
March 26 to May 18	Sonoma Blvd (near David Todd Ave)	2	Melville Ave (south of Norwood Ave Rd)	1	Davos Rd (between Bellini Ave and Terme Ave)	2
May 22 to July 13	Peak Point Blvd (near Maple Forest Dr)	1	Vellore Park Ave (north of Judean Pl)	3	Avro Rd (between Caproni Dr and Hawker Rd)	1
June 16 to September 7	Via Campanile (south of La Rocca Ave)	3	Willis Rd (west of Jules Ave)	2	Valeria Blvd (near Columbus Ave)	3
September 10 to November 2	North Park Rd (west of Bathurst St)	5	New Westminster Dr (north of Conley St)	5	Townsgate Dr (between Bathurst St and Emerald Ln)	5
November 5 to December 14	Peter Rupert Ave (north of District Ave)	4	Confederation Pkwy (south of Scholar Rd)	4	Ilan Ramon Blvd (north of Yarden Dr)	4

Shorter Duration (2 weeks)

Week of	Ward	Location
April 9 to April 20	4	Crimson Forest Dr – south of Apple Grove Ct
April 23 to May 4	2	Jeanne Dr – north of Jules Ave
May 7 to May 18	1	Melville Ave – south of Hawker Rd
May 28 to June 8	4	Ner Israel Dr – west of Knightshade Dr
June 11 to June 22	1	McNaughton Rd – east of Falvo St
June 25 to July 6	3	Hawkview Blvd west of Plover Heights
July 9 to July 20	2	Medallion Blvd near Sungold Ct
July 23 to August 3	3	Cityview Blvd near Lormel Gt
August 6 to August 17	5	Atkinson Ave near Dundurn Cres
August 20 to August 31	4	Summeridge Dr near Sisley Cres
September 3 to September 14	2	Clarence St north of Mounsey St
September 17 to September 28	3	Discovery Tr near Equator Cres
October 1 to October 12	5	Hilda Ave near Jonathan Gt
October 15 to October 26	2	Avdell Ave near St. Michele Pl (east)
October 29 to November 9	4	Maple Sugar Ln between Daniel Reaman Cres and Lander Cres