

COMMITTEE OF THE WHOLE – JUNE 14, 2011

PROPOSED SPEED LIMIT REDUCTION ON BEVERLY GLEN BOULEVARD NEW WESTMINSTER DRIVE TO BATHURST STREET WARD 5

Recommendation

The Commissioner of Engineering and Public Works recommends:

That By-law 284 – 94 Schedule “E” Part 1, the Speed Limit By-law, be amended to add that the speed limit be reduced from 50 km/h to 40 km/h on Beverly Glen Boulevard from the east limit of New Westminster Drive to the west limit of Bathurst Street.

Contribution to Sustainability

The reduction of the speed limit to 40 km/h on Beverly Glen Boulevard from New Westminster Drive to Bathurst Street will improve safety for the area residents, motorists and activity at neighbouring parks.

Economic Impact

Sufficient funding for installation of the “40 km/h” speed limit signs has been included in the 2011 Operating Budget. The on-going costs to maintain the signs would be incorporated in future Operating Budgets.

Communications Plan

Engineering Services staff will inform the area resident’s on the outcome of Council’s decision on this matter.

Purpose

To review the feasibility of reducing the existing statutory “50 km/h” speed limit on Beverly Glen Boulevard to 40 km/h, in keeping with the existing 40 km/h speed limit on Beverly Glen Boulevard west of New Westminster Drive.

Background - Analysis and Options

Beverly Glen Boulevard is a feeder roadway with a 23.0 metre right-of-way, and an 11.5 metre pavement width. The existing speed limit on Beverly Glen Boulevard between New Westminster Drive and Bathurst Street is a statutory 50 km/h.

Staff placed Automatic Traffic Recorders on Beverly Glen Boulevard east of New Westminster Drive and on Beverly Glen Boulevard east of Kingsbridge Circle to collect speed and volume data from Tuesday, April 26, 2011 to Friday, April 29, 2011. The collected speeds and volumes are summarized below:

Location #1 – Beverly Glen Boulevard east of New Westminster Drive

Direction	Average Speed	85 th Percentile Speed	Highest Speed	Average 24-hour volume
Eastbound	49 km/h	56 km/h	77 km/h	1425
Westbound	48 km/h	55 km/h	81 km/h	1495

Location #2 – Beverly Glen Boulevard east of Kingsbridge Circle

Direction	Average Speed	85 th Percentile Speed	Highest Speed	Average 24-hour volume
Eastbound	46 km/h	55 km/h	85 km/h	2810
Westbound	45 km/h	55 km/h	73 km/h	1865

The average speeds on Beverly Glen Boulevard range between 45 km/h and 49 km/h. The 85th Percentile speeds (the speed at which 85 percent of the vehicles are travelling at or below) range between 55 km/h and 56 km/h. The highest speed was recorded 85 km/h. The traffic volumes collected over a 24-hour period are acceptable for the roadway capacity designed for Beverly Glen Boulevard. The daily traffic on a feeder roadway should not exceed 8000 vehicles/day.

West of New Westminster Drive, the existing posted speed limit on Beverly Glen Boulevard is 40 km/h. With the neighbouring traffic generators such as the commercial units, the park and high-rise residential units, and to be consistent with Beverly Glen Boulevard west of New Westminster Drive, Engineering Services staff recommend reducing the speed limit to 40 km/h on Beverly Glen Boulevard between New Westminster Drive and Bathurst Street.

Relationship to Vaughan Vision 2020/Strategic Plan

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist to:

- Pursue Excellence in Service Delivery;
- Enhance and Ensure Community Safety, Health & Wellness; and
- Lead and Promote Environmental Sustainability

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

Regional Implications

Not Applicable.

Conclusion

Based on Engineering Services staff's review, it is recommended that the speed limit on Beverly Glen Boulevard from the east limit of New Westminster Drive to the west limit of Bathurst Street be reduced to 40 km/h speed limit.

Attachments

1. Location Map

Report prepared by:

Mark Ranstoller, Senior Traffic Technologist, Ext. 8726
Mike Dokman, Supervisor, Traffic Engineering, Ext. 8745

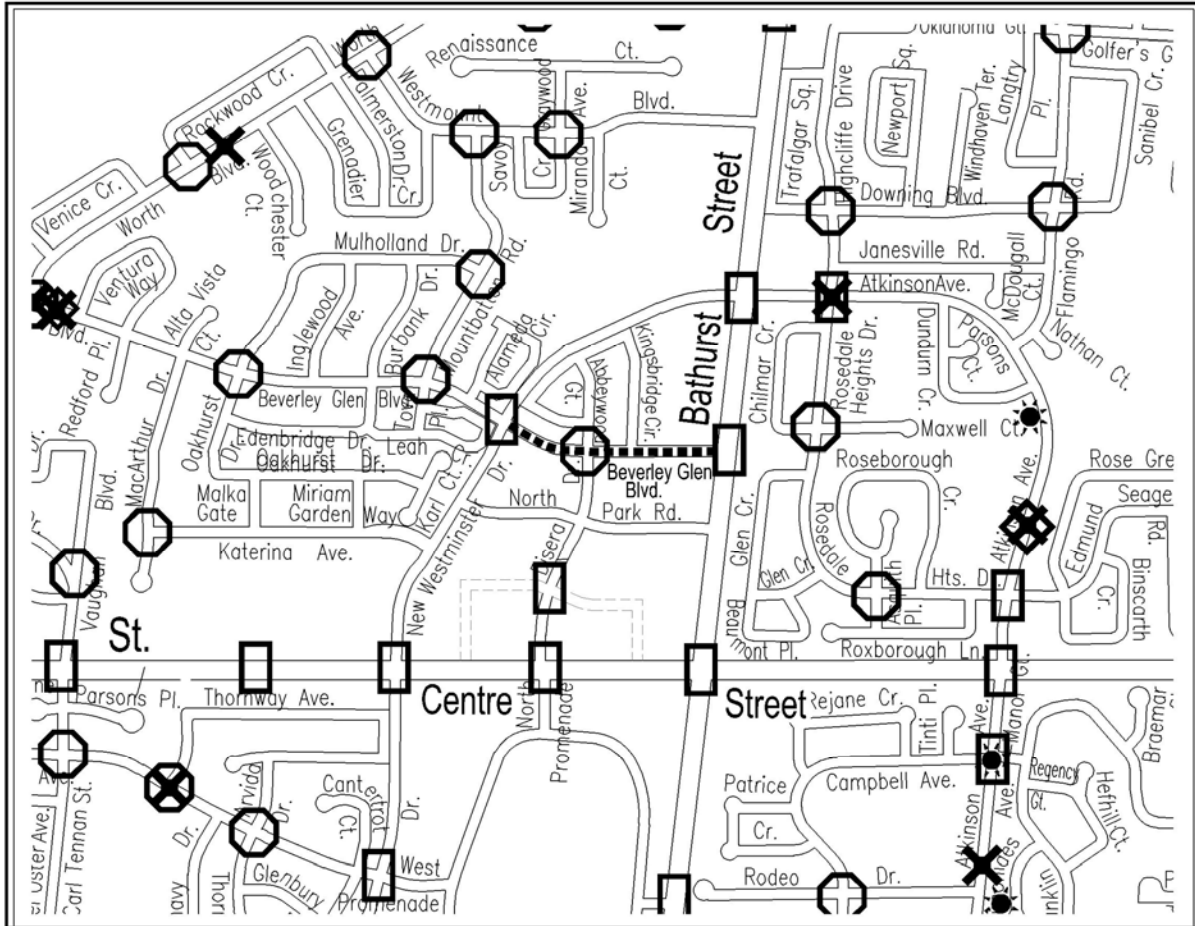
Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

Jack Graziosi, P. Eng., M. Eng.
Director of Engineering Services

MR:mc

ATTACHMENT No. 1



PROPOSED SPEED LIMIT REDUCTION BEVERLY GLEN BOULEVARD

LEGEND

----- ROAD UNDER REVIEW



EXISTING TRAFFIC SIGNALS



EXISTING ALL-WAY STOP CONTROL



EXISTING SCHOOL CROSSING GUARD



EXISTING FLASHING SCHOOL BEACON



EXISTING PEDESTRIAN SIGNAL



NOT TO SCALE