

## **Proposed Speed Limit Reduction on Kingston Road - From Highway 2A Westbound Ramp to Ellesmere Road**

<b>Date:</b>	March 17, 2008
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 44 – Scarborough East
<b>Reference Number:</b>	P:\2007\Cluster B\TRA\Scarborough\sc08021 D07-1334 Kingston Road Speed Reduction

### **SUMMARY**

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This staff report is about a matter for which the Community Council does not have delegated authority from City Council to make a final decision.

This report provides the results of traffic studies conducted on Kingston Road, where a 50 kilometre per hour (km/h) speed limit is technically justified and recommended for implementation on the subject portion of Kingston Road between the Highway 2A Westbound Ramp and Ellesmere Road.

### **RECOMMENDATIONS**

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**Transportation Services, Scarborough District, recommends that Scarborough Community Council:**

1. Rescind the 60 kilometre per hour speed limit on Kingston Road between Birchmount Road and the easterly limit of the Township of Scarborough, as identified in Appendix 1 of this report,
2. Adopt the 60 kilometre per hour speed limit on Kingston Road between Birchmount Road and Highway 2A Westbound Ramp, and on Kingston Road between Ellesmere Road and Graham Farm Lane, as identified in Appendix 2 of this report,

3. Adopt the 70 kilometre per hour speed limit on Kingston Road between Graham Farm Lane and the easterly limit of the City of Toronto, as identified in Appendix 2 of this report, and
4. Amend the appropriate bylaws accordingly.

### **Financial Impact**

The financial cost of installing these speed limit signs is approximately \$5,000.00. The funding for these signs is available in the Transportation Services 2008 Operating Budget, within Cost Centre TP0226.

### **ISSUE BACKGROUND**

Further to a request from City Councillor Ron Moeser, on behalf of an area resident, regarding speeding concerns on Kingston Road between the Highway 2A Westbound Ramp and Ellesmere Road, Transportation Services staff reviewed the feasibility of reducing the speed limit from 60 km/h to 50 km/h on this roadway.

The justification for introducing a 50 km/h speed limit is based on the Warrant for Implementing a Permanent 50 km/h Maximum Speed Limit on Arterial Roads, approved by the Traffic Operations Managers.

### **COMMENTS**

The following characteristics describe the subject portion of Kingston Road between the Highway 2A Westbound Ramp and Ellesmere Road:

- This road is located in the community south Ellesmere Road, west of Highway 401 and east of Morrish Road.
- This portion of Kingston Road has one lane in each direction and is a minor arterial roadway with a speed limit of 60 km/h and a daily traffic volume of approximately 9,400 vehicles per day. The subject portion of roadway is approximately 1.8 kilometres in length and has a relatively straight alignment.
- 24-hour speed studies conducted September 5, 2007 on Kingston Road west of Meadowvale Road indicate an average 85<sup>th</sup> percentile speed of 57 km/h.
- The area consists primarily residential single family dwellings with several new townhouse developments in the area of Meadowvale Road. There is a small section of commercial auto repair businesses on the south side of Kingston Road between Valmount Avenue and Ellesmere Road.
- The subject portion of Kingston Road has a pavement width of 9.8 metres, and sidewalks are located on both sides.
- This portion was considered for a localized improvement of a Centre Left Turn Lane but the roadway is too narrow to accommodate this lane.
- Traffic control signals are located on Kingston Road at Lawson Road and at Ellesmere Road.

- The TTC has a bus route, the 86A “Scarborough”, servicing the portion of Kingston Road between the Highway 2A Westbound Ramp and Meadowvale Road.
- The majority of the subject portion of Kingston Road has a default 3-hour parking limit with the exception of the section from White Avenue to Ellesmere Road which has a No Parking Anytime regulation on both sides and also the section between Old Kingston Road and Highway 2A which has No Parking Anytime regulation on the west side.

### **Warrants for Implementing a Permanent 50 km/h Maximum Speed Limit on Arterial Roads**

Application of this warrant reveals that a 50 km/h speed limit is appropriate on Kingston Road between the Highway 2A Westbound Ramp and Ellesmere Road. Specifically, the “85<sup>th</sup> Percentile Speed is less than 60 km/h” category of the Warrant for the Implementing a Permanent 50 km/h Maximum Speed Limit on Arterial Roads is satisfied based on an 85<sup>th</sup> percentile speed of 57 km/h on Kingston Road, west of Meadowvale Road. Speed studies conducted Wednesday, September 5, 2007 on Kingston Road, west of Meadowvale Road indicate an average 85<sup>th</sup> percentile speed of 57 km/h.

When installed, the 50 km/h speed limit will be consistent with the traffic environment and should provide a safer environment for all road users. The characteristics of this small section of Kingston Road are unique since it has only a single lane each direction, unlike most of Kingston Road which has multiple lanes each direction.

## **Housekeeping Issue**

As part of this investigation, it was determined that the posted speed limit of 70 km/h for Kingston Road from Graham Farm Lane to the easterly City of Toronto limits is not formally by-lawed as that portion of Highway 2 was reverted by the Province of Ontario in the 1990's. The by-law to be enacted includes formalising the current legacy 70 km/hr posted speed limit in that area, which is currently only a grandfathered Provincial regulation.

## **CONTACT**

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## **SIGNATURE**

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Peter J. Noehammer, P.Eng.  
Director  
Transportation Services, Scarborough District

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## **ATTACHMENTS**

1. Appendix 1 – By-law Amendment (rescind)
2. Appendix 2 – By-law Amendment (enact)
3. Location Plan (Proposed 50 Km/h Speed Limit – Kingston Road From Highway 2A West Ramp to Ellesmere Road)
4. Table 1 – Warrants for Implementing a Permanent 50 km/h Maximum Speed Limit on Arterial Road

## Appendix 1

### “Maximum Rate of Speed” Regulation to be Rescinded

(In  
Column 1)  
Road or Portion of Road

(In  
Column 2)  
Prescribed Maximum  
Rate of Speed

Kingston Road (M.T. 4) between Birchmount Road  
and the easterly limit of the Township of Scarborough

60 kilometres per hour

## Appendix 2

### “Maximum Rate of Speed” Regulation to be Enacted

(In  
Column 1)  
Road or Portion of Road

(In  
Column 2)  
Prescribed Maximum  
Rate of Speed

Kingston Road (M.T.4) between Birchmount Road  
and the Highway 2A Westbound Ramp

60 kilometres per hour

Kingston Road (M.T.4) between Ellesmere Road  
and Graham Farm Lane

60 kilometres per hour

Kingston Road (M.T.4) between Graham Farm Lane  
and the easterly limit of the City of Toronto

70 kilometres per hour