

MEMBER'S RESOLUTION

Date:	DECEMBER 6, 2011 – COMMITTEE OF THE WHOLE
Title:	PROPOSED ALL WAY STOP AT KIRBY ROAD & FOOT HILLS ROAD AND KIRBY ROAD & RAVINEVIEW DRIVE
Submitted by:	Councillor Marilyn lafrate

Whereas, Kirby Road between Keele Street and Dufferin Street is a municipally owned two lane road, and

Whereas, there is currently no all-way stop or traffic signals along this two kilometre section of road, and

Whereas, there is a lack of traffic control measures on Kirby Road to facilitate residents exiting the Maplewood Ravines subdivision, and

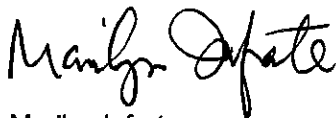
Whereas, recent traffic studies have demonstrated that the 85th percentile speeds to be 17 kilometres over the posted speed limit of 60 km/hr, and

Whereas, the most cost effective traffic control measures at this time are all way stops, and

Whereas, the Ward 1 office is in receipt of a petition signed by affected residents in both subdivisions, supporting all way stops on Kirby Road and that the petition is signed by over 107 residents and can be found at www.ipetitions.com/petition/kirbyroad/signatures.

It is therefore recommended that an all-way stop be installed at two points along this portion of the road at both Kirby Road & Foot Hills Road and Kirby Road and Ravineview Drive to improve access to Kirby Road from both subdivisions.

Respectfully submitted,



Marilyn lafrate

Attachments

Traffic Study Report
Area Map

**BACKGROUND TO: PROPOSED ALL WAY STOP AT KIRBY ROAD & FOOT HILLS ROAD
AND KIRBY ROAD & RAVINEVIEW DRIVE
SUBMITTED BY COUNCILLOR MARILYN IAFRATE**

There have been numerous complaints from area residents about the poor safety conditions when making a left turn out of the Maplewood Ravines Subdivision at Kirby Road.

There have been complaints about the open stretch of unhindered roadway known as Kirby Road from Keele Street to Dufferin Street which provides and encourages speeding due to the perception of the road being a "country road".

Recently residents have noted an increase in street racing along Kirby Road because of the nature of the free flowing two kilometres of open stretch of road make it ideal for this.

Speeding truck traffic bouncing off some of the high points in the road transmits higher noise levels to the adjacent homes.

There have been a number of accidents along this stretch of Kirby that have seen vehicles going through the residential fences and ending up in homeowners' backyards.

All-way stops located strategically at almost equal intervals along this portion of Kirby Road will reduce the speed levels of vehicular traffic and provide a measure of safety for residents making a left onto Kirby Road from the Maplewood Ravines Subdivision.

DATE: October 18, 2011

TO: Councillor Marilyn Iafrate

FROM: Jack Graziosi
Director of Engineering Services

**RE: KIRBY ROAD – TRAFFIC STUDY
FROM KEELE STREET TO DUFFERIN STREET**

Please be advised that Engineering Services staff placed Automatic Traffic Recorders (ATR's) on Kirby Road, east of Foothill Road, from April 26th to April 29th of this year. The data collected was then analyzed to determine both average and 85th percentile speeds. This equipment also collected traffic volumes that have been categorized into:

- passenger cars
- pick-up trucks/vans
- buses, and
- heavy trucks

The chart summarizing the above mentioned data is shown in **Table 1**.

The posted speed limit on this portion of Kirby Road is 60 km/h. The average speeds in both directions range from 67 to 68 km/h. The 85th percentile speed is also referred to as the 'maximum average speed' and is defined as the speed at which 85% of vehicles are traveling at or below. The 85th percentile speed ranges from 77 to 78 km/h. Staff will request that York Region Police increase enforcement efforts to ensure compliance of the posted speed limit on this segment of Kirby Road.

The percentage of heavy trucks on Kirby Road is 4% in each direction (approximately 300 heavy trucks total over a 24-hour period). This percentage of heavy truck volume is typical for a roadway of this classification. Some of this truck volume can be attributed to local businesses and/or new construction.

There is an existing load restriction prohibition sign for heavy trucks limiting this section of Kirby Road to 5 tonnes per axle, year round.

If you have any questions, please feel free to contact me.



Jack Graziosi
Director of Engineering Services

Location	Direction	Average Speed	85th Percentile Speed	Average Daily Traffic	Classification %					
					% Motor Cycles	% Passenger Cars	Pick-up Trucks and Vans	% Buses	% Heavy Trucks	% un-classified
Kirby Road east of Foothill Road	EB	67	77	3940	0	80% (3152)	13% (512)	1% (39)	4% (158)	2% (79)
Kirby Road east of Foothill Road	WB	68	78	3590	0	80% (2872)	12% (431)	1% (36)	4% (144)	3% (107)

TABLE 1
KIRBY ROAD : TRAFFIC DATA SUMMARY

