
DATE: April 26, 2010

REPORT TITLE: **SPEED LIMIT REVISION ON REGIONAL ROAD 1 (MISSISSAUGA ROAD)
CITY OF MISSISSAUGA, WARDS 9 AND 11
CITY OF BRAMPTON, WARD 6**

FROM: Dan Labrecque, Commissioner of Public Works

RECOMMENDATION

That a by-law be enacted to amend By-law 57-2005 by reducing the existing 70 km/h posted speed limit to 60 km/h on Regional Road 1 (Mississauga Road) from 100 metres (328 feet) north of Regional Road 5 (Derry Road) to 1190 metres (3,904 feet) south of Regional Road 6 (Embleton Road);

And further, that the necessary by-law be presented to Regional Council for enactment;

And further, that Peel Regional Police be advised.

REPORT HIGHLIGHTS

- Regional Road 1 (Mississauga Road) from 100 metres (328 feet) north of Derry Road to 1190 metres (3,904 feet) south of Embleton Road was evaluated for a speed reduction.
- A Northwestern Speed Zone Methodology analysis was completed as well as an assessment of the area.
- Results indicate that a reduction of the speed limit from 70 km/h to 60 km/h is justified for the study area.

DISCUSSION

1. Background

An existing 70 km/h posted speed limit zone is currently in place on Erin Mills Parkway/Mississauga Road from North Sheridan Way to 1190 metres south of Embleton Road. A request was received to investigate a speed limit reduction on Mississauga Road due to the increase in development in the area. Considering the level of commercial growth on Mississauga Road, staff evaluated this road section by conducting radar speed studies and using the Northwestern Speed Zone Methodology.

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2. Findings

The Northwestern Speed Zone Methodology is an analytical technique that demonstrates the numeric influence various elements have on the establishment of a speed limit. The purpose of the Northwestern Speed Zone Methodology is to determine the most appropriate posted speed for a specific section of roadway. Traffic speed has historically been used as the primary indicator of the quality of traffic flow. The basic premise is that the driver selects his/her travel speed after subjectively evaluating the surrounding environment, road geometrics and the risk of collision at different rates of speed.

The refined study of the Northwestern Speed Zone Methodology takes into consideration elements such as 85th percentile speed, number of driveways, pedestrian activity, pavement width, and number of lanes.

3. Study Results

Several radar spot speed studies were conducted for the northbound and southbound traffic travelling on Mississauga Road in the study area and roadway inventories and observations were collected. As well, future conditions related to development and the Mississauga Road widening project were considered.

All data was entered into the Northwestern Speed Zone Methodology process. The results indicate that the speed limit on Mississauga Road within the study area is warranted to be reduced to 60 km/h.

CONCLUSION

Based on the results and the amount of commercial development along Mississauga Road, staff are recommending that the posted speed limit on Mississauga Road from 100 metres north of Derry Road to the 1190 metres south of Embleton Road be reduced to 60 km/h.

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Dan Labrecque
Commissioner of Public Works

Approved for Submission:



D. Szwarc, Chief Administrative Officer

For further information regarding this report, please contact Eisa Eisa.] at extension 7860 or via email at eisa.eisa@peelregion.ca



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Authored By: Eisa Eisa

c. Legislative Services

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APPENDIX I

