

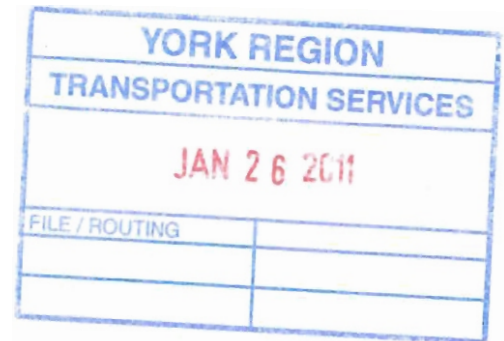
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D10-3718855

TO: Councillor Raymond Cho
Ward 42, Scarborough-Rouge River

FROM: Marko A. Oinonen
Transportation Services, Scarborough District

DATE: January 21, 2011

RE: Request to Install Traffic Control Signals
Steeles Avenue East at Ninth Line



As the result of staff efforts to monitor changes to traffic volumes in this developing residential area, we have completed our review of the above-noted matter. Based on our review, we have concluded that the installation of traffic control signals is justified at the subject intersection.

Our conclusions are based on a Traffic Control Signal Warrant study using traffic volumes recorded over the peak eight hours of a typical weekday. The results of our studies indicate that the technical warrants for the installation of traffic control signals are met.

As a result, Transportation Services will be submitting a report to Scarborough Community Council recommending traffic control signals at the intersection of Steeles Avenue East at Ninth Line.

Steeles Avenue East is a minor arterial roadway with no existing scheduled TTC routes along this portion of Steeles Avenue East, the easterly limit of existing TTC routes is Staines Road. Since there is no TTC route along this portion of Steeles Avenue East, Scarborough Council has delegated authority from City Council to make a final decision.

The details of our study, including a five-year review of the Toronto Police Service collision records, are outlined in the attached technical summary.

Should you have any questions or comments regarding our studies, please call Allan Burrows, Supervisor, Traffic Engineering, at 416-396-7147.



Marko A. Oinonen, P. Eng.
Manager, Traffic Operations
Transportation Services, Scarborough District

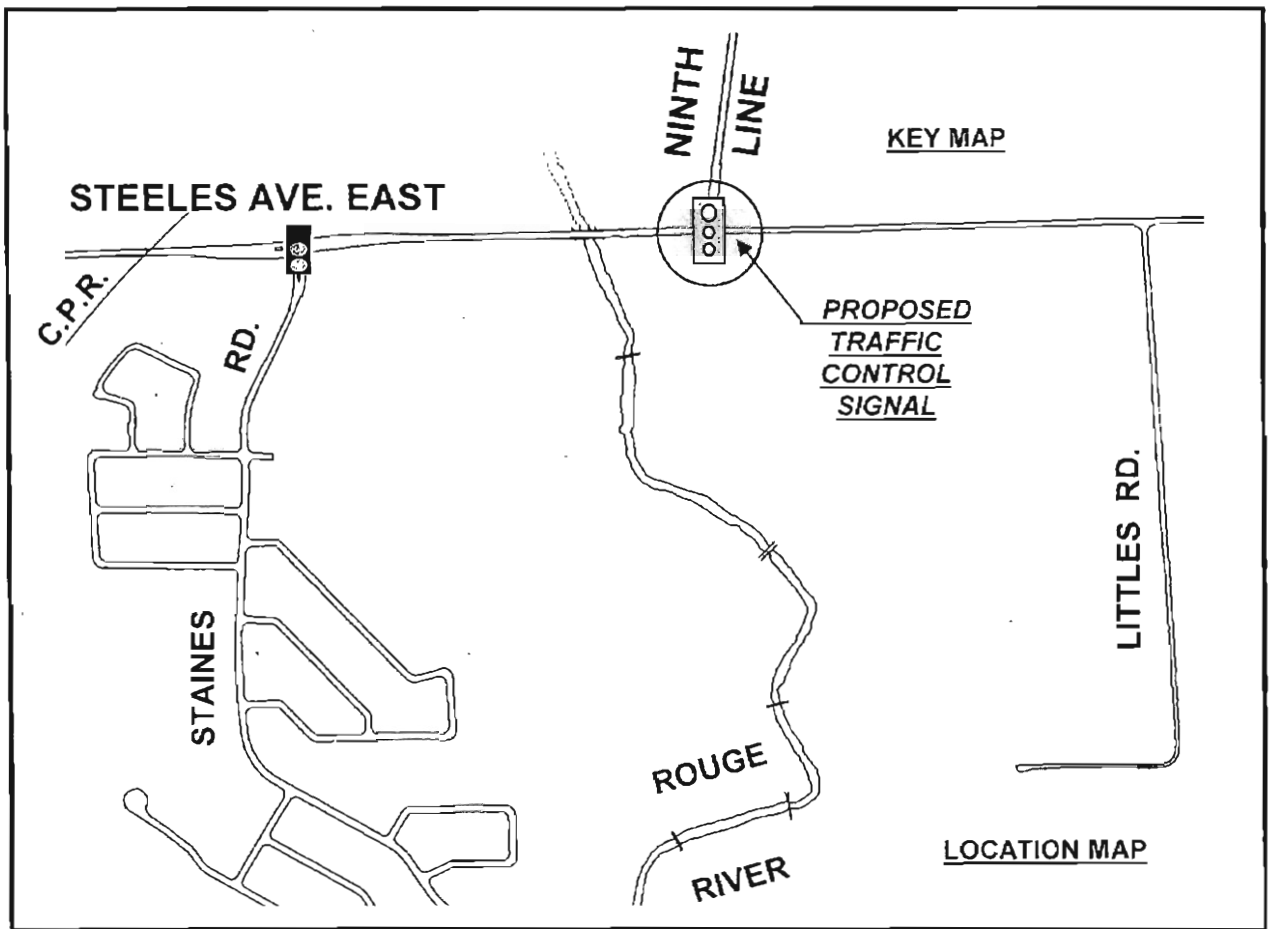
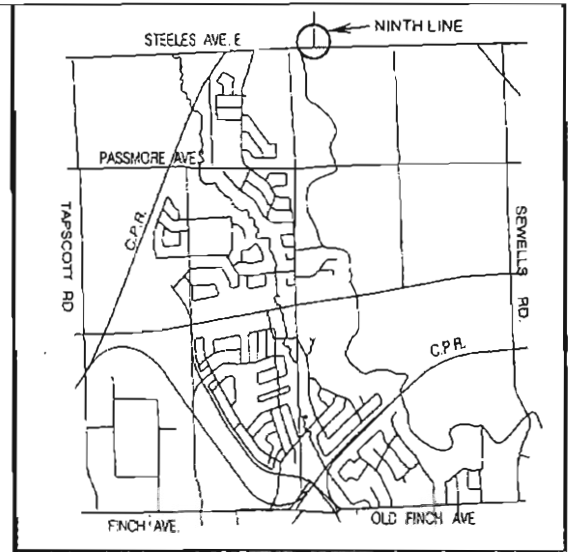
KS:ca
att.

- c. James Chandler, Manager, Traffic Plant Installation, Transportation Services
Rob Decleir, Supervisor, Traffic Plant Installation, Transportation Services
Kathleen Llewellyn-Thomas, Commissioner of Transportation, The Regional Municipality of York
Alan Brown, Director of Engineering, Town of Markham

Traffic Control Signal Warrant	Compliance Level Study Date: Wednesday, April 7, 2008	Compliance Level Study Date: Thursday, April 15, 2010
Minimum Vehicular Volume	88 %	100 %
Delay To Cross Traffic	74 %	70 %
Collision Hazard	33 %	67 %

- As outlined in the above table, the traffic volumes do satisfy the requirements to install traffic control signals at this intersection at this time.

Five-Year Collision Information	Number of Reported Collisions					
	2005	2006	2007	2008	2009	Total
Collisions Potentially Preventable by the Installation of Traffic Control Signals	1	1	3	2	5	12
Collisions Involving Pedestrians Crossing Steeles Avenue East	0	0	0	0	0	0



LEGEND



PROPOSED
TRAFFIC CONTROL SIGNALS



EXISTING
TRAFFIC CONTROL SIGNALS



STUDY LOCATION



Toronto

TRANSPORTATION SERVICES

TRAFFIC OPERATIONS
Scarborough District

SCALE	NTS
DATE	APRIL 15, 10
DRAFTING	KS

**PROPOSED TRAFFIC CONTROL SIGNAL
STEELES AVENUE EAST AND NINTH LINE**

FILE NUMBER D10-3718855	
ATTACHMENT 1	WARD 42