



**STAFF REPORT  
ACTION REQUIRED**

**Traffic Calming: Codsell Avenue between Bathurst Street and Wilson Heights Boulevard**

<b>Date:</b>	March 1, 2016
<b>To:</b>	North York Community Council
<b>From:</b>	Director, Transportation Services, North York District
<b>Wards:</b>	<b>Ward 10 – York Centre</b>
<b>Reference Number:</b>	<i>p:/2016/ClusterB/TRA/NorthYork/ny16032</i>

**SUMMARY**

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This staff report is about a matter for which Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

Transportation Services is reporting on the results of our investigation of traffic calming measures (speed humps) on Codsell Avenue between Bathurst Street and Wilson Heights Boulevard.

The results of a traffic calming assessment on Codsell Avenue between Bathurst Street and Wilson Heights Boulevard indicate that the minimum requirements of the traffic calming warrant have not been achieved.

**RECOMMENDATIONS**

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Transportation Services recommends that North York Community Council:

1. Deny the installation of speed humps on Codsell Avenue between Bathurst Street and Wilson Heights Boulevard.

**Financial Impact**

There are no financial impacts associated with the adoption of this report.

If, however, North York Community Council decides speed humps on Codsell Avenue would be beneficial the following financial impact would result:

The estimated cost for installing 16-20 speed humps on Codsell Avenue would range from \$48,000 to \$60,000. Funds would be provided from Transportation Services Capital Budget for traffic calming initiatives. Installing speed humps on Codsell Avenue would be subject to competing priorities and funding availability.

## **DECISION HISTORY**

North York Community Council at its meeting of February 25, 2014, adopted Transportation Services recommendations to deny the installation of speed humps on Codsell Avenue between Wilmington Avenue and Goddard Street (Item NY30.11).

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2014.NY30.11>

North York Community Council at its meeting of September 8, 2015 referred the memo from the Ward Councillor to review the feasibility of installing traffic calming measures (speed humps) on Codsell Avenue between Bathurst Street and Wilson Heights Boulevard.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2015.NY8.49>

## **ISSUE BACKGROUND**

As per the direction of North York Community Council, Transportation Services has completed further studies of the feasibility of installing speed humps on Codsell Avenue, between Bathurst Street and Wilson Heights Boulevard to address residents' concerns with volume and speed of traffic and pedestrian safety.

## **COMMENTS**

Codsell Avenue is a two-lane local road with a pavement width of approximately 8.5 metres and is approximately 1.6 km in length. Westbound and eastbound traffic between Bathurst Street and Wilmington Avenue is controlled by stop controls at Hove Street, Bryant Street, Maxwell Avenue and Goddard Street. The section of Codsell Avenue between Wilmington Avenue and Wilson Heights Boulevard is free flow. The regulatory speed limit for this roadway is 50 km/h. A municipal sidewalk is located on the south side of Codsell Avenue between Bathurst Street and Wilson Heights Boulevard servicing the single family residential properties.

Codsell Avenue runs parallel to Sheppard Avenue West which is located two blocks to the south of Codsell Avenue. Traffic control signals are located at Bathurst Street and Codsell Avenue to provide a protected access and egress for the residents of the community.

Currently, to minimize traffic infiltration, the southbound right turn movement from Bathurst Street to Codsell Avenue is restricted between the hours of 7:00 a.m. and 9:00 a.m., Monday to Friday.

In response to the directive of North York Community Council and to identify the existing traffic conditions, 24-hour speed and volume studies were conducted on Codsell Avenue between Bathurst Street and Wilson Heights Boulevard on December 2, 2015.

The following table identifies the results of those studies:

Codsell Avenue	Dir	Speed Limit	Vehicle Speeds		Traffic Volume		
			Operating (km/h)	Average (km/h)	AM Peak Hr	PM Peak Hr	24 Hrs
Bathurst St to Heaton St	EB	50 km/h	40	31	186	247	2267
	WB		48	41	119	186	1454
Heaton St to Hove St	EB		48	40	162	252	2019
	WB		49	40	86	177	1363
Hove St to Bryant St	EB		44	39	159	226	1505
	WB		50	42	75	131	1019
Bryant St to Liberato Ct	EB		47	41	152	207	1367
	WB		49	42	62	116	907
Maxwell St to Goddard St	EB		52	45	122	168	1180
	WB		52	45	63	103	832
Goddard St to Elder St	EB		49	43	122	173	1173
	WB		50	43	68	86	814
Elder St to Wilmington Ave	EB		49	42	116	177	1139
	WB		50	43	74	79	782
Wilmington Ave to Shaftesbury St	EB		54	46	66	98	733
	WB		57	47	73	76	641
Shaftesbury St to Honiton St	EB		49	39	82	107	862
	WB		50	42	76	84	771
Honiton St to Wilson Heights Blvd	EB		36	29	101	126	1014
	WB		35	26	82	95	910

Results of the vehicle speed studies confirm that the highest operating speed recorded, the speed at which 85% of the motorists are travelling at or below, is 57 km/h, although the operating speed on most blocks is at or below 50 km/h.

A review of the vehicle volumes has indicated that the volumes are higher at the east end of the roadway, closest to Bathurst Street and reduce as you travel west to Wilson Heights Boulevard. The intersection of Bathurst Street and Codsell Avenue is the primary access for the community to and from the main street. Given the roadway network within this area the implementation of speed humps on Codsell Avenue could result in diversion of traffic onto the adjacent streets, specifically the parallel roadways to the north and south of Codsell Avenue.

The portion of this roadway between Goddard Street and Wilmington Avenue was previously assessed (November 1, 2012) for traffic calming and the section of roadway between Hove Street and Bryant Street was assessed for a speed limit reduction (October 13, 2011). We compared the current study results with the previous results. Our analysis indicates that the operating speeds and average speeds are within 5 km/h of the previous study results and that the vehicle volumes have remained constant ( $\pm 10\%$ ).

Based on the results of this investigation, the "Technical Requirement" warrant of the Traffic Calming Policy is not satisfied. Specifically, the operating speed must be greater than 10 km/h over the warranted speed limit. The Traffic Warrant Summary Sheet is attached.

We also undertook a review of the collision statistics for this section of roadway. A review of the Toronto Police Service collision statistics indicates that there have been zero reported collisions involving speeding or pedestrians, in the preceding three years, ending December 31, 2015.

Considering the results of the study, installation of speed humps cannot be justified on Codsell Avenue between Bathurst Street and Wilson Heights Boulevard.

### **Alternative Recommendations**

If, despite the findings above, North York Community Council determines that installing speed humps on Codsell Avenue would be beneficial, it may approve the following recommendations:

1. The Director of Transportation Services, North York District be directed to prepare a traffic calming plan and request the City Clerk to poll eligible householders on Codsell Avenue, between Bathurst Street and Wilson Heights Boulevard, to determine whether residents support the installation of traffic calming in accordance with the City of Toronto Traffic Calming Policy.
2. Subject to favourable results of the poll;
  - a. the City Solicitor prepare a by-law to alter sections of the roadway on Codsell Avenue, between Bathurst Street and Wilson Heights Boulevard, for traffic calming purposes, generally as shown in the traffic calming plan prepared by the Director, Transportation Service, North York District; and
  - b. Transportation Services take the necessary action to reduce the speed limit from 50 km/h to 30 km/h on Codsell Avenue, between Bathurst Street and Wilson Heights Boulevard, when the speed humps are installed.

### **Conduct Poll**

According to the City of Toronto Traffic Calming Policy, a formal poll managed by City Clerks must be conducted of householders directly abutting or flanking the street. The policy stipulates that a minimum response of 50% plus one of affected households respond, and that 60% of valid responses support the proposal in order to implement the traffic calming plan.

The Ward Councillor has been advised of the recommendations in this staff report.

## **CONTACT**

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## **SIGNATURE**

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Jacqueline White, P. Eng.  
Director

## **ATTACHMENTS**

Attachment 1: Map – Codsell Avenue, Traffic Calming  
Attachment 2: Warrant Summary: Codsell Avenue, Bathurst Street to Wilson Heights Boulevard