

## **Turn Prohibitions - Wilson Avenue**

**Date:** September 26, 2017

**To:** North York Community Council

**From:** Acting Director, Transportation Services, North York District

**Wards:** Ward 9 - York Centre

### **SUMMARY**

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As the Toronto Transit Commission (TTC) operates bus service on Wilson Avenue, City Council approval of this report is required.

Transportation Services is reporting on a request to prohibit northbound left-turn movements to Wilson Avenue from the driveway at No. 793 Wilson Avenue, at all times. This prohibition would be supported by the prohibition of eastbound and westbound U-turn movements on Wilson Avenue, between Dufferin Street and Maniza Road, at all times.

The proposed turn prohibitions are intended to address safety and congestion concerns along Wilson Avenue, between Dufferin Street and Maniza Road, and will formalize the existing posted signage at No. 793 Wilson Avenue.

### **RECOMMENDATIONS**

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The Acting Director, Transportation Services, North York District recommends that:

1. City Council prohibit northbound left turns at all times, from the driveway of No. 793 Wilson Avenue onto Wilson Avenue.
2. City Council prohibit eastbound and westbound U-turns on Wilson Avenue, between Maniza Road and Dufferin Street.

### **FINANCIAL IMPACT**

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All costs associated with the prohibitions are included within the Transportation Services 2017 Operating Budget.

### **DECISION HISTORY**

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This report addresses a new initiative.

## COMMENTS

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Transportation Services was requested by Councillor Maria Augimeri, on behalf of local residents, to investigate the prohibition of northbound and westbound left-turn movements to/from the properties at No. 793, 795 and 797 Wilson Avenue during the peak periods to address safety and congestion concerns.

No.'s 793, 795 and 797 Wilson Avenue are located on the south side of the street, immediately west of Winston Park Boulevard. The three properties have a total of four driveways and there are currently no by-lawed turn prohibitions for traffic entering or exiting. It is noted that a sign has been posted at the driveway for No. 793 Wilson Avenue that indicates northbound left-turns are prohibited at all times. This sign has not been by-lawed and was not installed by the City of Toronto.

This section of Wilson Avenue is a two-way east/west major arterial road. It consists of two lanes in each direction, as well as a two-way centre left-turn lane. It has a pavement width of 17 metres, a regulatory speed limit of 50 km/h and a daily two-way traffic volume of approximately 31,000 vehicles. TTC service on this section of Wilson Avenue is provided by the 118 Thistle Down, 119 Torbarrie, 120 Calvington, 96 Wilson, 29AC Wilson and 195 Wilson bus routes

A review of Toronto Police Service records for the five-year period ending June 30, 2017 disclosed nine mid-block collisions were reported on Wilson Avenue, between Dufferin Street and Maniza Road, and a further eight at the Winston Park Boulevard intersection. Further review of these 17 collisions determined that one could be directly attributed to the turning manoeuvres in question. At noon on a Saturday in March, 2013, a westbound left-turning motorist at the driveway to No. 795 Wilson Avenue was struck by an eastbound straight-through motorist.

Motorists attempting to make westbound left turns into the driveway at No.'s 793, 795 and 797 Wilson Avenue, or northbound left turns onto Wilson Avenue from No. 793 Wilson Avenue during the peak periods are said to exacerbate safety concerns and traffic congestion in this area due to the high turnover of traffic at these properties and the high volumes of traffic on Wilson Avenue.

Transportation Services conducted a detailed review of the four driveways in September 2017. The review recorded the traffic volumes entering and exiting all driveways during the busiest eight-hour period of a typical weekday. Additionally, video was taken during these time periods to record any concerns with the inbound and outbound movements on Wilson Avenue. The traffic volumes at all four driveways have been summarized in the attached Appendix "A".

The review disclosed the predominant movement of driveway traffic is destined to/from the driveway at No. 793 Wilson Avenue. During the two-hour morning peak period, 150 and 153 motorists were recorded entering and exiting this driveway, respectively. During the two-hour afternoon peak period, 67 and 67 motorists were recorded entering and exiting this driveway, respectively.

Inbound traffic volumes at the No. 793 Wilson Avenue driveway were slightly higher for the eastbound right-turn movement, as opposed to the westbound left-turn movement. Outbound traffic volumes from this driveway were heavily skewed towards the northbound right-turn movement to travel eastbound, as most, but not all, motorists appeared to be adhering to the posted northbound left-turn prohibition signage.

Based on Transportation Services observations of video of all four driveways, it is recommended that the existing northbound left-turn prohibition signage for motorists exiting No. 793 Wilson Avenue be maintained and formally by-lawed. This prohibition will address potential conflicts between exiting vehicles and vehicles using the centre left-turn lane on Wilson Avenue to enter the property. Additionally, the northbound left-turn prohibition will address concerns with motorists exiting the driveway between gaps in the stopped queues of eastbound traffic on Wilson Avenue, west of Dufferin Street. The remaining three driveways on the south side on Wilson Avenue have minimal traffic volumes and do not pose a potential safety concern.

The Ward Councillor has been advised of the recommendation of this report.

## **CONTACT**

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## **SIGNATURE**

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Peter K. Hillier  
Acting Director

## **ATTACHMENTS**

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Appendix "A" – Summary of Driveway Volumes  
Attachment 1: Map - Wilson Avenue, Dufferin Street to Maniza Road - Proposed Turn Restrictions

## Appendix "A": Summary of Driveway Volumes

Driveway Location	A.M. Peak Period (two-hours)		P.M. Peak Period (two hours)		Eight Hour Total	
	In-bound	Out-bound	In-bound	Out-bound	In-bound	Out-bound
No. 793 Wilson Avenue	<b>150</b> total, comprising: <b>62</b> west-bound left-turns <b>88</b> east-bound right-turns	<b>153</b> total, comprising: <b>12</b> north-bound left-turns <b>141</b> north-bound right-turns	<b>67</b> total, comprising: <b>20</b> west-bound left-turns <b>47</b> east-bound right-turns	<b>67</b> total, comprising: <b>3</b> north-bound left-turns <b>64</b> north-bound right-turns	<b>373</b> total, comprising: <b>150</b> west-bound left-turns <b>223</b> east-bound right-turns	<b>380</b> total, comprising: <b>36</b> north-bound left-turns <b>344</b> north-bound right-turns
No. 795 Wilson Avenue	<b>1</b> total, comprising: <b>1</b> west-bound left-turn <b>0</b> east-bound right-turns	<b>0</b> total, comprising: <b>0</b> north-bound left-turns <b>0</b> north-bound right-turns	<b>2</b> total, comprising: <b>1</b> west-bound left-turn <b>1</b> east-bound right-turn	<b>3</b> total, comprising: <b>1</b> north-bound left-turns <b>2</b> north-bound right-turns	<b>12</b> total, comprising: <b>7</b> west-bound left-turns <b>5</b> east-bound right-turns	<b>6</b> total, comprising: <b>1</b> north-bound left-turns <b>5</b> north-bound right-turns
No. 795/797 Wilson Avenue	<b>4</b> total, comprising: <b>2</b> west-bound left-turns <b>2</b> east-bound right-turns	<b>1</b> total, comprising: <b>0</b> north-bound left-turns <b>1</b> north-bound right-turn	<b>1</b> total, comprising: <b>0</b> west-bound left-turns <b>1</b> east-bound right-turn	<b>10</b> total, comprising: <b>3</b> north-bound left-turns <b>7</b> north-bound right-turns	<b>12</b> total, comprising: <b>8</b> west-bound left-turns <b>4</b> east-bound right-turns	<b>23</b> total, comprising: <b>8</b> north-bound left-turns <b>15</b> north-bound right-turns
No. 797 Wilson Avenue	<b>5</b> total, comprising: <b>1</b> west-bound left-turn <b>4</b> east-bound right-turns	<b>0</b> total, comprising: <b>0</b> north-bound left-turns <b>0</b> north-bound right-turns	<b>1</b> total, comprising: <b>0</b> west-bound left-turns <b>1</b> east-bound right-turns	<b>5</b> total, comprising: <b>3</b> north-bound left-turns <b>2</b> north-bound right-turns	<b>15</b> total, comprising: <b>4</b> west-bound left-turns <b>11</b> east-bound right-turns	<b>29</b> total, comprising: <b>10</b> north-bound left-turns <b>19</b> north-bound right-turns