

Turn Prohibition - 54 Atomic Avenue Driveway and North Queen Street

Date: March 11, 2026
To: Etobicoke York Community Council
From: Director, Engineering Review, Development Review
Director, Enforcement and Street Management, Transportation Services
Wards: Ward-3 - (Etobicoke - Lakeshore)

SUMMARY

Transportation Review is requesting approval for the implementation of a left-turn prohibition at the North Queen Street access driveway for the industrial redevelopment at 54 Atomic Avenue. As the Toronto Transit Commission (TTC) operates transit service on North Queen Street, City Council approval of this report is required. The proposed regulation is needed to address operational and safety concerns related to conflicting turning movements and driveway spacing. Restricting left-turn movements for vehicles exiting the westerly driveway at 54 Atomic Avenue onto North Queen Street will support safer and more efficient traffic operations along North Queen Street.

RECOMMENDATIONS

The Director, Enforcement and Street Management, Transportation Services and Director, Engineering Review, Development Review recommend that:

1. City Council prohibit northbound left-turn movements at all times at the intersection of North Queen Street and the private driveway at 54 Atomic Avenue, located on the south side of Queen Street North, approximately 193 metres west of Atomic Avenue.

FINANCIAL IMPACT

There are no financial implications resulting from the recommendation included in the current budget year, or in future budget years. All sign implementation costs will be paid by the proponent of the 54 Atomic Avenue development and secured through Site Plan Application No. 23 143869 WET 03 SA.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Through the review of Site Plan Application No. 23 143869 WET 03 SA for the proposed redevelopment at 54 Atomic Avenue, Transportation Review concluded that permitting full-movement access at the westerly driveway of the property onto North Queen Street would result in operational inefficiencies, increased potential for vehicular conflicts and collision risks.

The anticipated proportion of heavy vehicle activity further heightens safety risks for vehicles attempting to execute left-turn movements from the 54 Atomic Avenue driveway onto westbound North Queen Street. Given that tractor-trailers in Ontario may have an overall length of up to approximately 23 metres (including trailers up to 16.2 metres), such left-turn maneuvers would require encroachment into both westbound travel lanes, thereby increasing the potential for vehicular conflicts and operational safety concerns.

Access to the 54 Atomic Avenue site is provided via two driveways. There is a full movement driveway access located on Atomic Avenue, which will be maintained. There is another full movement driveway access located on the south side of North Queen Street. Through the site plan approval process, outbound left turn movements at the North Queen Street access driveway are to be prohibited at all times. All other movements at the North Queen Street driveway will be retained.

To address operational and safety concerns, Transportation Review is recommending the prohibition of northbound left-turn movements from the westerly driveway of 54 Atomic Avenue onto westbound North Queen Street. This restriction has been incorporated into the approved Site Plan.

Existing Conditions

North Queen Street near the 54 Atomic Avenue property is characterized by the following conditions:

- It is a four-lane, east-west, minor arterial roadway
- It operates with two-way traffic on a pavement width of approximately 15 metres
- The daily two-way traffic volume is approximately 16,000 vehicles
- The posted speed limit is 60 km/h
- Heavy trucks are permitted at all times
- Heavy-vehicle traffic is prominent, representing approximately 14% to 33% of traffic during peak periods, consistent with adjacent industrial land uses
- There is TTC bus service provided by Routes 123B, 123C, and 123D
- Sidewalks are provided on the north and south side of the street.
- No dedicated left-turn lanes are provided along the roadway at private driveway locations, resulting in shared-lane operations for left-turning vehicles accessing industrial properties

Atomic Avenue near the 54 Atomic Avenue property is characterized by the following conditions:

- It is a two-lane, north–south, collector roadway
- It operates with two-way traffic on a pavement width of approximately 8.5 metres
- The daily two-way traffic volume is approximately 3,500 vehicles
- The unposted speed limit is 50 km/h
- Heavy trucks are permitted at all times
- A sidewalk is provided on the west side of the street
- Atomic Avenue serves as a local industrial access street with multiple site driveways and forms a stop-controlled intersection with North Queen Street

A key map of the site area and the recommended traffic regulation amendments is included in Attachment 1.

Proposed Turn Prohibition

Prohibiting northbound left-turn movements from the westerly driveway of 54 Atomic Avenue onto North Queen Street would reduce conflict points and improve operational safety for vehicles exiting the site. All other movements will continue to be permitted at the subject driveway. Furthermore, drivers could also utilize the full movement driveway from Atomic Avenue to access the broader road network, where turning movements can safely be accommodated safely.

CONTACT

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SIGNATURE

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ATTACHMENTS

Attachment 1: Key Map - 54 Atomic Avenue and Traffic Regulation Amendments

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