

## **On-Street Electric Vehicle Charging Stations (Various Locations) - Parking Amendments (Non-Delegated Locations)**

**Date:** August 28, 2023

**To:** Etobicoke York Community Council

**From:** Director, Policy and Innovation, Transportation Services

**Wards:** Ward 3 - Etobicoke-Lakeshore, Ward 5 - York South-Weston, Ward 7 - Humber River-Black Creek

### **SUMMARY**

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This report outlines the parking by-law amendments required to implement the parking areas for five (5) Electric Vehicle charging station locations, for the roll out of seven (7) charging stations. These locations have been reviewed and supported by the local Councillors.

As the Toronto Transit Commission operates a transit service on the highways mentioned in this report, City Council approval of this report is required.

### **RECOMMENDATIONS**

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The Director, Policy and Innovation, Transportation Services recommends that:

1. City Council designate on-street electric vehicle charging station parking areas at the following locations:

- a. Driftwood Avenue, east side, from a point 30.3 metres north of Niska Road and a point 12 metres further north (2 spaces);
- b. Lake Shore Boulevard West, west side, from a point 28.8 metres north of Superior Avenue and a point 6 metres further north (1 space);
- c. The Queensway, south side, from a point 24.8 metres west of Inverleigh Drive and a point 12 metres further west (2 spaces);
- d. Weston Road, west side, from a point 177.3 metres north of Wilby Crescent and a point 6 metres further north (1 space); and

e. Weston Road, west side, from a point 31.2 metres south of King Street Crescent and a point 6 metres further south. (1 space),

for the exclusive use of electric vehicles and amend City of Toronto Municipal Code Chapter 910, Parking Machines and Meters and Chapter 950, Traffic and Parking, as described in Attachment 2 of this report (August 28, 2023).

## **FINANCIAL IMPACT**

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All costs associated with the installation of the new EV charging stations, including signage and pavement markings will be borne by the Toronto Parking Authority.

## **DECISION HISTORY**

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Toronto City Council, at its meeting of June 15 and 16, 2022 adopted, as amended, Item IE30.11 entitled, "On-Street Electric Vehicle Charging Stations - Pilot Conclusion and Next Steps."

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2022.IE30.11>

## **COMMENTS**

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City Council at its meeting on June 15 and 16, 2022 requested the Board of Directors of Toronto Parking Authority to work with the General Manager, Transportation Services, Toronto Hydro and relevant stakeholders to install a minimum of 50 on-street electric vehicle chargers by the end of 2023.

Transportation Services staff, with the assistance of Toronto Parking Authority and Toronto Hydro, have been working together to identify suitable locations to deploy EV charging stations primarily in locations with Pay and Display machines, but may also include locations designated for permit parking.

An inventory of locations, identified by staff and through resident outreach were considered and a shortlist of locations was presented to local Councillors in the Etobicoke York Community Council area. Site selection was predicated on the following criteria, namely:

- In a permit parking area with available permits (i.e., <90% capacity)
- Pay and Display machines within Business Improvement Areas
- The presence of electric or street light poles located between the back of the curb and sidewalk (considered the boulevard area) and where poles are located in the sidewalk directly adjacent to the curb
- On a street that allows for the placement of two EV dispensers ideally end-to-end on a single pole for two changing spots (single spaces are also acceptable when the

end-to-end option is not available) without encroaching on driveways, intersections, fire hydrants, or other significant encumbrances

- The location provides sufficient electrical capacity and can otherwise support the EV charge stations

This report outlines the parking by-law amendments required to implement the parking areas for five (5) of the EV charging station locations to facilitate the roll out of seven (7) EV charging stations for which City Council has authority to make a final decision.

### **New On-Street EV Charging Station Locations**

The following locations have been identified and are supported by the local Councillors for installation in 2023, with actual locations shown on the maps in Attachment 1:

a. Driftwood Avenue, east side, from a point 30.3 metres north of Niska Road and a point 12 metres further north (2 spaces) *Ward 7 - Humber River-Black Creek*;

b. Lake Shore Boulevard West, west side, from a point 28.8 metres north of Superior Avenue and a point 6 metres further north (1 space) *Ward 3 - Etobicoke-Lakeshore*;

c. The Queensway, south side, from a point 24.8 metres west of Inverleigh Drive and a point 12 metres further west (2 spaces) *Ward 3 - Etobicoke-Lakeshore*;

d. Weston Road, west side, from a point 177.3 metres north of Wilby Crescent and a point 6 metres further north (1 space) *Ward 5 - York South-Weston*; and

e. Weston Road, west side, from a point 31.2 metres south of King Street Crescent and a point 6 metres further south (1 space) *Ward 5 - York South-Weston*.

The designated EV charging station spaces will be subject to any other parking regulations in effect in the area. In addition, parking in these spaces will be limited to a three (3) hour maximum period, in accordance with pay and display parking machine regulations, to ensure turn-over and users must be actively connected at all times.

The site-specific by-law amendments required to implement the new EV parking areas at the locations listed above are detailed in Attachment 2 of this report, with the new regulations taking effect upon installation of the EV charging stations and regulatory signage.

## **CONTACT**

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## **SIGNATURE**

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Elyse Parker  
Director, Policy & Innovation,  
Transportation Services

## **ATTACHMENTS**

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Attachment 1: Maps of On-Street EV Charging Locations  
Attachment 2: Required Amendments to Parking Regulation for EV Charging Stations

# Attachment 1: Maps of On-Street EV Charging Locations

## 320 Driftwood Avenue



## 2390 Lake Shore Boulevard West



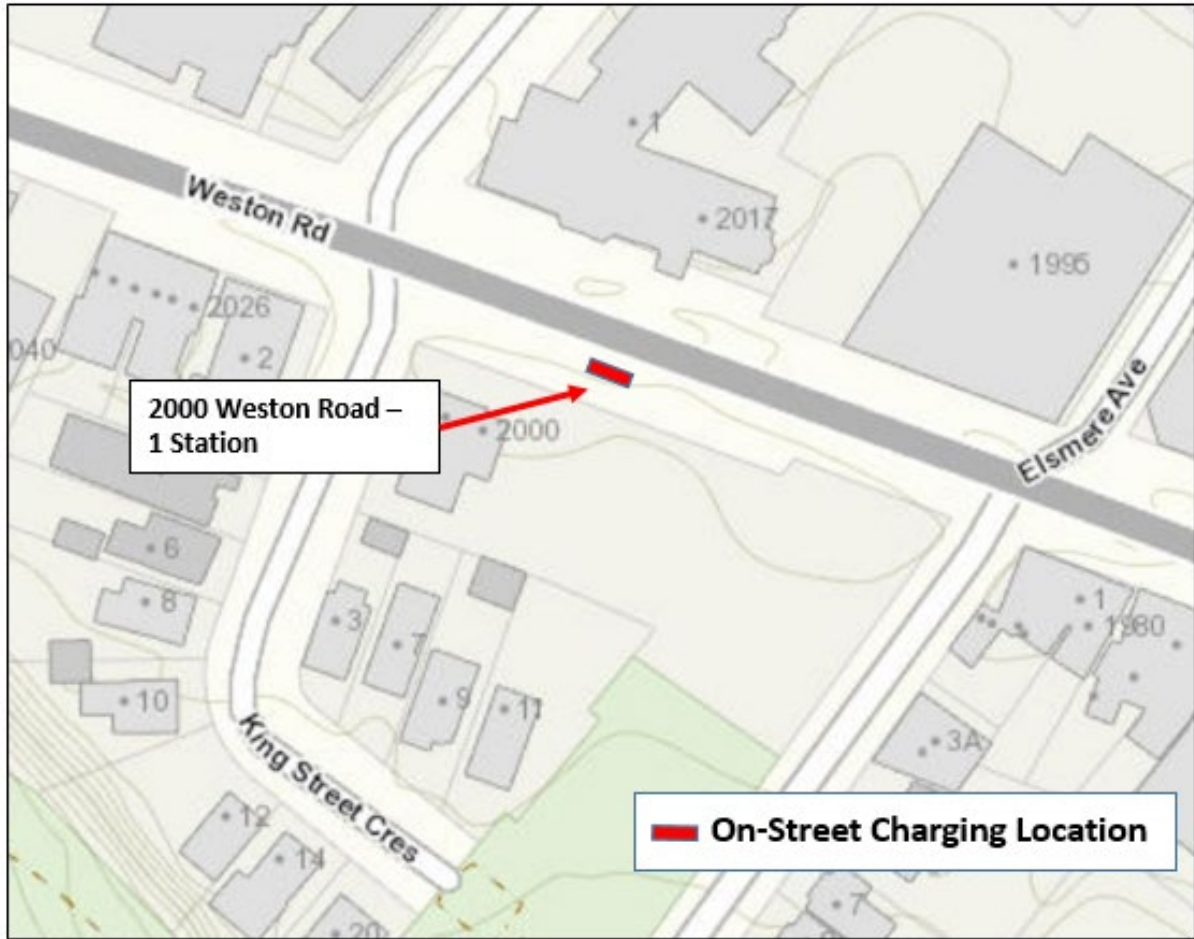
626 The Queensway



1812 Weston Road



2000 Weston Road



## Attachment 2: Required Amendments to Parking Regulation for EV Charging Stations

INSERT - Chapter 910, Schedule II (Parking Machine Locations Designated as Electric Vehicle Charging Stations)

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Lake Shore Boulevard West	West	A point 28.8 metres north of Superior Avenue and a point 6 metres further north	9:00 a.m. to 9:00 p.m. Mon. to Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$1.00 for 1 hour	3 hours
The Queensway	South	A point 24.8 metres west of Inverleigh Drive and a point 12 metres further west	9:00 a.m. to 6:00 p.m. Mon. to Sat.	\$1.00 for 1 hour	3 hours
Weston Road	West	A point 177.3 metres north of Wilby Crescent and a point 6 metres further north	9:00 a.m. to 4:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.00 for 1 hour	3 hours
Weston Road	West	A point 31.2 metres south of King Street Crescent and a point 6 metres further south	9:00 a.m. to 4:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$1.00 for 1 hour	3 hours



INSERT - Chapter 950, Schedule XLIV (Electric Vehicle Charging Station Parking)

Highway	Side Parking	Between	Hours (daily as indicated below)	Maximum Period Parking
Driftwood Avenue	East	A point 30.3 metres north of Niska Road and a point 12 metres further north	Anytime	3 hours
Lake Shore Boulevard West	West	A point 28.8 metres north of Superior Avenue and a point 6 metres further north	Anytime	3 hours
The Queensway	South	A point 24.8 metres west of Inverleigh Drive and a point 12 metres further west	Anytime	3 hours
Weston Road	West	A point 177.3 metres north of Wilby Crescent and a point 6 metres further north	Anytime	3 hours
Weston Road	West	A point 31.2 metres south of King Street Crescent and a point 6 metres further south	Anytime	3 hours