

On-Street Electric Vehicle Charging Station on O'Connor Drive - Parking Amendments (Non-Delegated Location)

Date: October 30, 2023

To: Toronto East York Community Council

From: Director, Policy and Innovation, Transportation Services

Wards: Ward 19 - Beaches-East York

SUMMARY

This report outlines the parking by-law amendments required to implement the parking area for one (1) Electric Vehicle charging station location, for the roll out of a dual pedestal charging station. This location has been reviewed and supported by the local Councillor.

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

RECOMMENDATIONS

The Director, Policy and Innovation recommends that:

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

- a. O'Connor Drive, east side, from a point 73 metres north of St. Clair Avenue East and a point 12 metres further north (2 spaces);

for the exclusive use of electric vehicles and amend City of Toronto Municipal Code Chapter 910, Parking Machines, Parking Meters and Mobile Only Zones and Chapter 950, Traffic and Parking, as described in Attachment 2 of this report (October 30, 2023) from the Director, Policy and Innovation, Transportation Services.

FINANCIAL IMPACT

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

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

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 Toronto East York Community Council area. Site selection is typically 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 (may also include areas outside of a BIA)
- 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 area for one (1) of the EV charging station locations to facilitate the roll out of a dual pedestal charging station for which City Council has authority to make a final decision.

New On-Street EV Charging Station Location

The following location has been identified and is supported by the local Councillor for installation in 2023, with the actual location shown on the map in Attachment 1:

- a. O'Connor Drive, east side, from a point 73 metres north of St. Clair Avenue East and a point 12 metres further north (2 spaces).

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 location 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.

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SIGNATURE

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ATTACHMENTS

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

On-Street EV Charging Station on O'Connor Drive - Parking Amendments (Non-Delegated Location)

Attachment 1: Map of On-Street EV Charging Location



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
O'Connor Drive	East	A point 73 metres north of St. Clair Avenue East and a point 12 metres further north	9:00 a.m. to 6:00 p.m. Mon. to Sat.	\$2.00 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
O'Connor Drive	East	A point 73 metres north of St. Clair Avenue East and a point 12 metres further north	Anytime	3 hours