



REPORT FOR ACTION

Metrolinx Eglinton Crosstown LRT Long-Term Temporary Traffic and Parking Amendments

Date: November 11, 2016
To: Public Works and Infrastructure Committee
From: Acting General Manager, Transportation Services
Wards: Wards 15, 16, 21, 22, and 26
Reference: P:\2016\Cluster B\TRA\tim\Pw16022tim.doc

SUMMARY

The purpose of this report is to seek approval for the amendment of traffic and parking regulations at numerous locations for periods of up to five (5) years in order to support the construction of the Metrolinx Eglinton Crosstown LRT. The proposed regulation amendments form elements of road occupancy permits and construction traffic management plans necessitated by the construction staging plans of this project.

Traffic regulation amendments include removal of a portion of the currently designated High Occupancy Vehicle (HOV) lanes, rescinding of turn prohibitions and heavy truck prohibitions, as well as changes to all-way stop control and parking regulations.

This report also seeks approval to install three temporary traffic control signals to facilitate pedestrian crossing of Eglinton Avenue during periods of construction. Pedestrian safety will be enhanced by signal-controlled crossings in locations where existing crosswalks are occupied by long-term construction activity. The proposed changes have been developed through consultation with affected ward Councillors. Some of the proposed changes, such as the relaxation of turn prohibitions all-way stop controls, and parking regulations would typically be delegated to the appropriate Community Councils. However, given the importance of handling these matters in a consistent, coordinated, and timely manner, and due to the broader significance of the Eglinton Crosstown LRT project, the City Manager has deemed this matter to be of City-wide significance, in accordance with the provisions of Section 27-152 of City of Toronto Code Chapter 27, Council Procedures, and as such they are being proposed for consideration by the Public Works and Infrastructure Committee.

RECOMMENDATIONS

The Acting General Manager, Transportation Services recommends that:

1. City Council authorize the installation of temporary traffic control signals at the following locations for approximately 15 months, from December 14, 2016 to and including March 31, 2018, in order to facilitate safe pedestrian crossings of Eglinton Avenue during construction of Eglinton Crosstown LRT transit stations:
 - a) On Eglinton Avenue East at a point approximately 35 metres west of Rawlinson Avenue;
 - b) On Eglinton Avenue East at a point approximately 30 metres west of Brownlow Avenue; and
 - c) On Eglinton Avenue West at a point approximately 20 metres east of Russell Hill Road.
2. City Council temporarily rescind the one-way northbound operation on Gilgorm Road, between Eglinton Avenue West and New Haven Drive, for approximately 18 months from December 14, 2016 to and including June 30, 2018, in order to facilitate the construction of Metrolinx Eglinton Crosstown LRT Chaplin Station.
3. City Council temporarily rescind the reserved lane regulations at the locations listed in Attachment 1 to the report dated November 11, 2016 from the Acting General Manager, Transportation Services for approximately five (5) years, from December 14, 2016 to and including December 31, 2021 in the immediate vicinity of the Eglinton Avenue East and Don Mills Road intersection, and on the south side of Eglinton Avenue East between Elmsthorpe Avenue and Avenue Road, in order to facilitate the construction of Metrolinx Eglinton Crosstown LRT transit stations.
4. City Council temporarily rescind turn restrictions at the locations listed in Attachment 2 to the report dated November 11, 2016 from the Acting General Manager, Transportation Services for approximately 15 months, from December 14, 2016 to and including March 31, 2018, in order to facilitate traffic movement in the vicinity of the intersection of Bathurst Street and Eglinton Avenue West during construction of the Forest Hill Station of the Metrolinx Eglinton Crosstown LRT.
5. City Council temporarily amend heavy vehicle prohibitions at the locations listed in Attachment 3 to the report dated November 11, 2016 from the Acting General Manager, Transportation Services for approximately five (5) years, from December 14, 2016 to and including December 31, 2021 in the vicinity of the intersection of Eglinton Avenue West and Bathurst Street, in order to facilitate the construction of the Forest Hill Station of the Metrolinx Eglinton Crosstown LRT.

6. City Council authorize a temporary all-way compulsory stop control at the intersection of Chaplin Crescent and Russell Hill Road for approximately five (5) years, from December 14, 2016 to and including December 31, 2021, in order to mitigate the impact of the construction of the Metrolinx Eglinton Crosstown LRT Chaplin Station.

7. City Council temporarily amend the parking regulations listed in Attachment 4 to the report dated November 11, 2016 from the Acting General Manager, Transportation Services for approximately five (5) years, from December 14, 2016 to and including December 31, 2021, in order to mitigate the impact of the construction of the Metrolinx Eglinton Crosstown LRT.

FINANCIAL IMPACT

There is no financial impact associated with this report. Crosslinx Transit Solutions, the contractor for this Metrolinx project, is required to implement all recommendations as conditions of permit approval.

The Deputy City Manager & Chief Financial Officer has reviewed this report and agrees with the financial impact information.

DECISION HISTORY

At its meeting on July 12, 2016 City Council adopted item PW14.10 entitled Metrolinx Eglinton Crosstown LRT Corridor Long-Term Temporary Road Closures and Temporary Traffic Signal Approval. This authorized the General Manager, Transportation Services, to approve temporary long term road and lane closures in excess of 365 days duration at specified locations, and to approve the installation of three temporary pedestrian traffic control signals. The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2016.PW14.10>

At its meeting of March 31, 2016, City Council adopted item PW11.5 entitled Metrolinx LRT Projects – Delegation to the General Manager, Transportation Services, to Approve Road Closures Up To And Including 365 Consecutive Days for the Metrolinx Crosstown LRT. This authorized the General Manager, Transportation Services, to temporarily close any highway or part of a highway, until January 1, 2022 for a period up to and including 365 consecutive days as required for the purposes of construction of the Metrolinx Eglinton Crosstown LRT project. The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2016.PW11.5>

COMMENTS

Background

The construction of the Metrolinx Eglinton Crosstown LRT is a complex multi-year project being undertaken by Crosslinx Transit Services (CTS). Excavation and shoring associated with station construction will reduce the number of traffic lanes through intersections (often to only one lane in each direction) and thus reduce sidewalk space

for pedestrians and road space for motor vehicles. The development of construction traffic management plans and implementation of associated traffic operations and parking changes are required to mitigate the impacts of station construction and are an integral part of the road occupancy permit submission. Adherence to the approved plan is a requirement of permit approval. Work on site cannot proceed until the appropriate permits have been issued for each location.

The recent focus on construction traffic management has been the development of plans for the following stations: Mount Pleasant; the Science Centre (at Don Mills Road); Chaplin; and Forest Hill (at Bathurst Street). In addition, a parking strategy has been developed to mitigate the impacts of the Avenue Station construction.

Recommended Amendments

In all cases, the reduction in road width requires the implementation of advisory turn restrictions both at the major intersection itself, and often at intersections within close proximity to the work zones. These temporary constraints result in the need for mitigations as highlighted below.

Mount Pleasant Station

At Mount Pleasant Station, construction excavation and shoring will temporarily block the passage of pedestrians both east and west of Mount Pleasant Road. In order to facilitate safe pedestrian passage across Eglinton Avenue East, temporary midblock pedestrian traffic control signals are proposed to be installed as shown in Attachment 5. These pedestrian traffic control signals are intended to be in place for 15 months, from December 14, 2016 to March 31, 2018.

Forest Hill Station

At Bathurst Street station, left and right turns are currently restricted on all approaches to the intersection for the next year due to deep excavations within the intersection. Advance signs are installed to alert motorists of the site conditions. In order to mitigate the impacts of these turn restrictions, traffic flow in the neighbourhood is proposed to be equitably distributed by the temporary removal of turn prohibitions on Bathurst Street and on Eglinton Avenue West.

In addition, as a result of the station construction there are increased truck movements approaching and leaving the construction areas. In order to limit the impact of truck movements and quickly route trucks onto major arterial roads, the temporary removal of local truck prohibitions is recommended. The purpose of this strategy, discussed with the local Councillor, is to provide trucks going to and leaving the construction areas optional routes to turn in the necessary direction so major arterial roadways can be accessed as quickly as possible. By balancing the increased truck traffic across the entire network, no one location will be unduly impacted.

The removal of turn prohibitions are intended to be in place for 15 months, from December 14, 2016 to March 31, 2018. The removal of heavy truck prohibitions are intended to be in place for five (5) years. The local Councillor is aware of this recommendation. The proposed changes are highlighted in Attachment 6.

Chaplin Station

During construction of Chaplin Station, pedestrian access along the south side of Eglinton Avenue West, immediately east of Chaplin Crescent will be blocked. Accordingly, temporary midblock pedestrian traffic control signals are proposed to be installed east of Russell Hill Road to facilitate safe pedestrian passage across Eglinton Avenue West. The pedestrian traffic control signals are intended to be in place for 15 months, from December 14, 2016 to March 31, 2018.

To mitigate the flow of traffic through the neighbourhood to the south, a new all-way stop control is recommended for the intersection of Chaplin Crescent and Russell Hill Road. The all-way stop is intended to be in place for approximately five (5) years.

In addition, access to Gilgorm Road, immediately north of the station site, will be temporarily blocked. The street is currently one-way northbound, and as such it is recommended that it temporarily be converted to two-way operation in order to maintain access. The removal of the one-way roadway restriction to allow two-way operations is intended to be in place for 18 months, from December 14, 2016 to June 30, 2018.

The proposed changes are highlighted in Attachment 7.

Science Centre Station

At Science Centre Station (at Don Mills Road), construction will require occupation of alternate sides of both Eglinton Avenue East and Don Mills Road, resulting in the temporary removal of the HOV lane designations, as showing in Attachment 8, in the immediate vicinity of the work zone. The removal of the HOV lane designation is intended to be in place for five (5) years.

Avenue Station

At Avenue Station, construction will require long term road occupancy that will impact on-street parking and a section of designated HOV lanes as shown in Attachment 9. The amendment of parking regulations and temporary removal of HOV lane designations are intended to be in place for five (5) years.

Consultation

The Rapid Transit Community Relations team at Metrolinx has developed and implemented a comprehensive communications program to keep local Councillors apprised of plans and developments related to the project. The consultation strategy includes one-on-one briefings of Councillors to address specific milestone events and emerging issues, as well as stakeholder meetings as needed. Over 35 of these briefing sessions have been held so far in 2016. This includes briefings specifically arranged to apprise Councillors on the traffic operations, pedestrian safety, and parking strategies presented in this report.

Community outreach, Business Improvement Area meetings, and Public Information Centres continue to be scheduled throughout the long-term construction period in order to provide information and address issues as they arise. Construction traffic management strategies have been shared with the attendees at these meetings by way of presentations made by members of the CTS design team, Metrolinx and city staff. In addition, Metrolinx produces and distributes flyers to stakeholders in proximity to work

zones at each milestone stage of station construction. Metrolinx, CTS and City staff will continue to work with local Councillors to address issues in a timely manner.

The construction staging of the LRT stations, proposed and required by CTS, and the traffic management strategies associated with the occupation of roadways discussed in this report, have been reviewed by Transportation Services staff and Metrolinx. There will be opportunities to refine the traffic controls should unforeseen issues arise over the multi-year duration of construction.

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ATTACHMENTS

Attachment 1 - Temporary Amendments to Reserved Lanes for Designated Classes of Vehicles
Attachment 2 - Temporary Amendments to Prohibited and Compulsory Turn Regulations
Attachment 3 - Temporary Amendments to Heavy Vehicle Prohibitions
Attachment 4 - Temporary Amendments to Parking Regulations
Attachment 5 - Mount Pleasant Station Traffic Amendments
Attachment 6 - Forest Hill Station Traffic Amendments
Attachment 7 - Chaplin Station Traffic Amendments
Attachment 8 - Science Centre Station Traffic Amendments
Attachment 9 - Avenue Station Traffic Amendments

Attachment 1 - Temporary Amendments to Reserved Lanes for Designated Classes of Vehicles

- a. Rescind the existing northerly westbound and southerly eastbound reserved lanes for public transit vehicles (PTVs), high occupancy vehicles containing a minimum of 2 persons (HOV2+), taxicabs, plated motorcycles and bicycles in effect from 7:00 a.m. to 10:00 a.m. and 3:00 p.m. to 7:00 p.m., Monday to Friday, except public holidays on Eglinton Avenue East, between a point 500 metres west of Don Mills Road and a point 100 metres east of Don Mills Road.
- b. Rescind the existing easterly northbound and westerly southbound reserved lanes for public transit vehicles (PTVs), high occupancy vehicles containing a minimum of 3 persons (HOVs), taxicabs, plated motorcycles and bicycles in effect from 7:00 a.m. to 10:00 a.m. and 3:00 p.m. to 7:00 p.m., Monday to Friday, except public holidays on Don Mills Road, between a point 200 metres south of Eglinton Avenue East and a point 300 metres north of Eglinton Avenue East.
- c. Rescind the existing southerly eastbound reserved lane for public transit vehicles (PTVs) and taxicabs in effect from 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays on Eglinton Avenue West, between Elmsthorpe Avenue and Avenue Road.

Attachment 2 - Temporary Amendments to Prohibited and Compulsory Turn Regulations

- a. Rescind the existing compulsory turn regulation in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays (bicycles excepted), at Eglinton Avenue West from Glen Cedar Road to Old Park Road.
- b. Rescind the existing eastbound right-turn prohibition in effect from 7:00 a.m. to 6:00 p.m., Monday to Friday, except public holidays (bicycles excepted), on Eglinton Avenue West at Vesta Drive.
- c. Rescind the existing eastbound right-turn prohibition in effect from 7:00 a.m. to 9:00 a.m., Monday to Friday, except public holidays (bicycles excepted), on Eglinton Avenue West at Gardiner Road.
- d. Rescind the existing eastbound right-turn prohibition in effect from 7:00 a.m. to 7:00 p.m. (bicycles excepted), on Eglinton Avenue West at Old Forest Hill Road.
- e. Rescind the existing westbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m., Monday to Friday, except public holidays, on Eglinton Avenue West at Old Forest Hill Road.
- f. Rescind the existing compulsory turn regulation in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. and 6:00 p.m., Monday to Friday, except public holidays (bicycles excepted), at Eglinton Avenue West, from the northerly leg of Old Forest Hill Road to the southerly leg of Old Forest Hill Road.
- g. Rescind the existing northbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. and 6:00 p.m., Monday to Friday, except public holidays (bicycles excepted), on Old Forest Hill Road at Eglinton Avenue West.
- h. Rescind the existing southbound left-turn prohibition in effect at all times on Bathurst Street at Burton Street.
- i. Rescind the existing westbound right-turn prohibition in effect from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays (bicycles excepted), on Ava Road at Bathurst Street.
- j. Rescind the existing northbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays, on Bathurst Street at Avenal Drive.
- k. Rescind the existing northbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays, on Bathurst Street at Dewbourne Avenue.

l. Rescind the existing westbound right-turn prohibition in effect from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays (bicycles excepted), on Rosemary Lane at Bathurst Street.

m. Rescind the existing eastbound right-turn prohibition in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays (bicycles excepted), on Eglinton Avenue West at Chiltern Hill Road.

n. Rescind the existing eastbound right-turn prohibition in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, (bicycles excepted), on Eglinton Avenue West at Rostrevor Road.

o. Rescind the existing northbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, (bicycles excepted), on Glen Cedar Road at Eglinton Avenue West.

p. Rescind the existing northbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays, on Bathurst Street at Wembley Road.

q. Rescind the existing southbound right-turn prohibition in effect from 7:00 a.m. to 9:00 a.m., Monday to Friday (bicycles excepted), on Bathurst Street at Wembley Road.

r. Rescind the existing southbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m., Monday to Friday, except public holidays on Bathurst Street at Shallmar Boulevard.

s. Rescind the existing southbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m., Monday to Friday, except public holidays, on Bathurst Street at Rosemary Lane.

t. Rescind the existing southbound left-turn prohibition in effect from 7:00 a.m. to 9:00 a.m., Monday to Friday, except public holidays, on Bathurst Street at Ava Road.

Attachment 3 - Temporary Amendments to Heavy Vehicle Prohibitions

- a. Rescind the existing heavy vehicle prohibition in effect at all times on Peveril Hill North, between Dewbourne Avenue and Eglinton Avenue West.
- b. Rescind the existing heavy vehicle prohibition in effect at all times on Dewbourne Avenue, between Bathurst Street and Vesta Drive.
- c. Rescind the existing heavy vehicle prohibition in effect at all times on Dewbourne Avenue, between Strathearn Road and Bathurst Street.
- d. Prohibit heavy vehicles at all times on Dewbourne Avenue, between Vesta Drive and Rosemary Road.
- e. Prohibit heavy vehicles at all times on Dewbourne Avenue, between Strathearn Road and Peveril Hill North.
- f. Rescind the existing heavy vehicle prohibition in effect at all times on Rosemary Road between, Dewbourne Avenue and the south end of Rosemary Road.
- g. Prohibit heavy vehicles at all times on Rosemary Road, between the east leg of Ava Road and the south end of Rosemary Road.
- h. Rescind the existing heavy vehicle prohibition in effect at all times on Rosemary Lane between, Bathurst Street and Dewbourne Avenue.
- i. Rescind the existing heavy vehicle prohibition in effect at all times on Ava Road, between Bathurst Street and Spadina Road.
- j. Prohibit heavy vehicles at all times on Ava Road, between Vesta Drive and Spadina Road.
- k. Rescind the existing heavy vehicle prohibition in effect at all times on Vesta Drive, between Bathurst Street and the south end of Vesta Drive.
- l. Prohibit heavy vehicles at all times on Vesta Drive, between Bathurst Street and Eglinton Ave West.
- m. Prohibit heavy vehicles at all times on Vesta Drive, between the south end of Vesta Drive and the west leg of Ava Road.
- n. Rescind the existing heavy vehicle prohibition in effect at all times on Chadwick Avenue, between Vesta Drive and Spadina Road.
- o. Rescind the existing heavy vehicle prohibition in effect at all times on Hilltop Road, between Eglinton Avenue West and Shallmar Boulevard.

- p. Prohibit heavy vehicles at all times on Hilltop Road, between Old Forest Hill Road and Shallmar Boulevard.

- q. Rescind the existing heavy vehicle prohibition in effect at all times on Old Forest Hill Road, between Dunvegan Road (south intersection) and the west end of Old Forest Hill Road.

- r. Prohibit heavy vehicles at all times on Old Forest Hill Road, between Dunvegan Road (south intersection) and Spadina Road.

- s. Prohibit heavy vehicles at all times on Old Forest Hill Road, between Hilltop Road and the west end of Old Forest Hill Road.

- t. Rescind the existing heavy vehicle prohibition in effect at all times on Spadina Road, between Russell Hill Drive and Eglinton Avenue West.

- u. Prohibit heavy vehicles at all times on Spadina Road, between Russell Hill Drive and Kilbarry Road.

Attachment 4 - Temporary Amendments to Parking Regulations

- a. Rescind the existing stopping prohibition in effect from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays, on the east side of Avenue Road, between Burnaby Boulevard and a point 30.5 metres south.
- b. Amend the existing parking machine regulation in effect from 8:00 a.m. to 4:00 p.m. and from 6:00 p.m. to 9:00 p.m. Mon. to Fri.; 8:00 a.m. to 9:00 p.m. Sat. and 1:00 p.m. to 9:00 p.m. Sun., for a maximum of 3 hours at a rate of \$2.25 per hour on the east side of Avenue Road, between Burnaby Boulevard and a point 30.5 metres south of Burnaby Boulevard to be in effect for a maximum period of 2 hours.
- c. Rescind the existing parking prohibition in effect from 7:00 a.m. to 9:00 a.m., Monday to Friday, except public holidays, on the east side of Avenue Road, between College View Avenue and Eglinton Avenue West.
- d. Rescind the existing parking prohibition in effect from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays, on the west side of Avenue Road, between Eglinton Avenue West and College View Avenue.
- e. Rescind the existing parking machine regulation in effect from 8:00 a.m. to 9:00 p.m. Mon. to Sat. and from 1:00 p.m. to 9:00 p.m. Sun. for a maximum period of 3 hours at a rate of \$2.25 per hour on the north side of Eglinton Avenue West, between Oriole Parkway and Avenue Road.
- f. Authorize the installation of parking machines on the north side of Eglinton Avenue West, between a point 60 metres east of Avenue Road and a point 30 metres east of Avenue Road, to operate at all times, for a maximum period of 30 minutes at a rate of \$2.25 per hour.
- g. Rescind the existing stopping prohibition in effect from 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays, on the south side of Eglinton Avenue West, between Elmsthorpe Avenue and a point 12 metres east of Braemer Avenue.
- h. Amend the existing standing prohibition in effect at all times, on the north side of Eglinton Avenue West, between a point 85 metres east of Castle Knock Road and a point 12 metres further east, to be in effect between a point 85 metres east of Castle Knock Road and a point 6 metres further east.
- i. Amend the existing stopping prohibition in effect from 7:00 a.m. to 9:30 a.m., Monday to Friday, except public holidays, on the west side of Bathurst Street, between Dewbourne Avenue and a point 49 metres south of Eglinton Avenue West, to be in effect from 7:00 a.m. to 9:00 a.m. Mon. to Fri., except public holidays.

j. Rescind the existing parking prohibition in effect from 4:00 p.m. to 6:00 p.m., Monday to Friday, except public holidays, on the east side of Oriole Parkway, between Burnaby Boulevard and Roselawn Avenue.

k. Amend the existing parking machine regulation in effect from 8:00 a.m. to 9:00 p.m. Mon. to Sat. and from 1:00 p.m. to 9:00 p.m. Sun. for a maximum period of 3 hours at a rate of \$2.25 per hour on the east side of Oriole Parkway, between a point 15 metres north of Eglinton Avenue West and a point 11 metres further north, to be in effect for a maximum period of 2 hours.

l. Amend the existing parking machine regulation in effect from 8:00 a.m. to 9:00 p.m. Mon. to Sat. and from 1:00 p.m. to 9:00 p.m. Sun. for a maximum period of 3 hours at a rate of \$2.25 per hour on the west side of Oriole Parkway, between a point 15 metres north of Eglinton Avenue West and a point 15 metres further north, to be in effect for a maximum period of 2 hours.