

## **Completion of the Six Points Interchange Reconfiguration - Traffic Regulation Amendments**

**Date:** December 18, 2020

**To:** Infrastructure and Environment Committee

**From:** General Manager, Transportation Services

**Wards:** Ward 2 – Etobicoke Centre, Ward 3 - Etobicoke Lakeshore

### **SUMMARY**

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Following more than ten years of planning, consultation, engineering design, and construction, the Six Points Interchange Reconfiguration Project in the Bloor Street West, Dundas Street West and Kipling Avenue area of Etobicoke is nearing completion.

The reconfiguration supports the development of Etobicoke Centre as a vibrant mixed-use transit-oriented community and the design features including:

- a new road network and at-grade intersection at Dundas Street, Bloor Street and Kipling Avenue;
- Complete Streets, with improved pedestrian facilities, wide boulevards, trees, street furniture, improved access to Kipling Subway Station, cycling infrastructure installed on all major streets;
- new land available for potential uses such as parkettes, public art installations, development and other amenities; and
- a district energy plan.

Reconstruction of the Six Points Interchange follows an Environmental Assessment completed in 2008, and detailed technical design study completed in 2016. The reconstruction removes existing bridges constructed in 1961, and creates regular intersections between Kipling Avenue, Bloor Street West and Dundas Street West.

This report seeks Council authorization of the traffic regulation amendments required to reflect current field conditions, including the authorization of traffic control signals, turn lane, bicycle lane and cycle track designations, and right-turn-on-red prohibitions. The proposed traffic regulation amendments were part of the approved design for the Six Points Interchange Reconfiguration Project.

## RECOMMENDATIONS

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The General Manager, Transportation Services recommends that:

1. City Council authorize the installation of traffic control signals at the intersection of Bloor Street West and Dundas Street West.
2. City Council authorize the installation of traffic control signals at the intersection of Dundas Street West and Kipling Avenue.
3. City Council authorize the installation of traffic control signals at the intersection of Dundas Street West and Dundas Street West.
4. City Council authorize the installation of traffic control signals at the intersection of Dundas Street West and Bindagen Trail.
5. City Council designate the two most easterly southbound lanes on Kipling Avenue, between Bloor Street West and a point 30.5 metres north, for southbound left-turns only.
6. City Council designate the two most northerly eastbound lanes on Bloor Street West, between Dundas Street West and a point 30.5 metres west, for eastbound left-turns only.
7. City Council designate the two most southerly westbound lanes on Bloor Street West, between Dundas Street West and a point 30.5 metres east, for westbound left-turns only.
8. City Council designate the two most easterly northbound lanes on Dundas Street West, between Dundas Street West and a point 30.5 metres south, for northbound right-turns only.
9. City Council designate the most southerly westbound lane on Dundas Street West, between Dundas Street West and a point 30.5 metres east, for westbound left-turns only.
10. City Council designate the most northerly westbound lane on Dundas Street West, between Dundas Street West and a point 30.5 metres east, for westbound left-turn, straight through and right-turn movements.
11. City Council designate the most northerly westbound lane on Bloor Street West, between Resurrection Road and Prennan Avenue, as a cycle track.
12. City Council designate the most southerly eastbound lane on Bloor Street West, between Beamish Road and Resurrection Road, as a cycle track.

13. City Council designate the most northerly westbound and most southerly eastbound lanes on Dundas Street West, between Aukland Road and Dundas Street West, as cycle tracks.
14. City Council designate the most westerly southbound and the most easterly northbound lanes on Kipling Avenue, between Bloor Street West and Dundas Street West, as cycle tracks.
15. City Council designate the most westerly southbound lane on Kipling Avenue, between Dundas Street West and a point 58 metres south of Viking Lane, as a bicycle lane.
16. City Council designate the most easterly northbound lane on Kipling Avenue, between a point 33 metres south of the access road from northbound Kipling Avenue to St, Albans Road and Dundas Street West, as a bicycle lane.
17. City Council prohibit northbound, southbound, eastbound and westbound right-turn-on-red signal movements at the intersection of Bloor Street West and Kipling Avenue.
18. City Council prohibit northbound, southbound, eastbound and westbound right-turn-on-red signal movements at the intersection of Bloor Street West and Dundas Street West.
19. City Council prohibit northbound, southbound, eastbound and westbound right-turn-on-red signal movements at the intersection of Dundas Street West and Kipling Avenue.
20. City Council prohibit northbound right-turn-on-red movements on Dundas Street West at Dundas Street West.
21. City Council rescind the existing northbound left-turn prohibition on Beamish Avenue at Bloor Street West.
22. City Council adopt regulatory parking amendments listed in Attachments 6 and 7 attached to the report from the General Manager, Transportation Services, dated December 18, 2020.

## **FINANCIAL IMPACT**

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There is no financial impact with the adoption of this report. The existing traffic control signals, signage related to the proposed right-turn-on-red prohibitions, and signage & pavement markings related to the existing exclusive dual left/right-turn lanes, cycle tracks and bike lanes were included in the approved budget for the Six Points Interchange Reconfiguration Project (CTP811-35).

The Chief Financial Officer and Treasurer has reviewed this report and agrees with the financial impact information.

## DECISION HISTORY

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In December 2007, City Council adopted Item PG11.2, containing a report entitled "Six Points Interchange Reconfiguration Class Environmental Assessment Study" approving a reconfiguration of the Six Projects interchange in the Bloor Street West, Dundas Street West and Kipling Avenue area of Etobicoke.

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2007.PG11.2>

## COMMENTS

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Construction of the reconfiguration of the Six Points Interchange began in March 2017, after more than 10 years of planning, consultation, and engineering design. The design features included a new road network and at-grade intersections, traffic control signals, cycle tracks and bicycle lanes, as well as exclusive dual left and right-turning lanes.

A map of the area is included in Attachment 1.

### Existing Roadway Conditions

- Kipling Avenue, Bloor Street West, and Dundas Street West are all classified as major arterial roadways.
- Bindagen Trail is pending classification. It is newly constructed, but currently closed.
- The regulatory speed limits are as follows:
  - Kipling Avenue is 50 km/h from Dundas Street West to Prince George Drive and 60 km/h from Dundas Street West to Horner Avenue;
  - Dundas Street West is 50 km/h between Burnhamthorpe Crescent and Humberside Avenue
  - Bloor Street West, between Islington Avenue and Kipling Avenue has a posted speed limit of 60 km/h
  - Bloor Street West, west of Kipling Avenue, has a regulatory speed limit of 50 km/h.
- There is TTC service provided on Kipling Avenue, Bloor Street West and Dundas Street West by numerous buses destined to/from the Kipling Transit Station.
- There are sidewalks on both sides of Kipling Avenue, Bloor Street West and Dundas Street West.

The intersection of Kipling Avenue and Bloor Street West is currently signalized. There are dual exclusive left-turn lanes for southbound (to eastbound) traffic and this movement is controlled by a fully protected signal phase. Left-turn bike boxes exist at all four corners of the intersection. To address cyclist safety, right-turn-on-red signal prohibitions are required for all directions of traffic. A drawing showing the lane designations and proposed right-turn-on-red signal prohibitions at Kipling Avenue and Bloor Street West is included in Attachment 2.

Further east, the intersection of Bloor Street West and Dundas Street is also signalized. Both the eastbound and westbound approaches on Bloor Street West have dual

exclusive left-turn lanes and these movements are controlled by fully protected signal phases. This intersection also has existing left-turn bike boxes at all four corners, and right-turn-on-red signal prohibitions are required for all directions of traffic. A drawing showing the lane designations and the proposed right-turn-on-red signal prohibitions at the intersection of Bloor Street West and Dundas Street West is included in Attachment 3.

To the north of the intersection of Bloor Street West and Dundas Street West, the intersection of Dundas Street West and Dundas Street West is currently controlled by traffic control signals. The northbound (to eastbound) right-turn movements are made from two exclusive right-turn lanes. These northbound right-turn movements move on a fully protected signal phase. To address the safety of north-south pedestrians crossing the east leg of the intersection when the northbound right-turning traffic have a red signal phase, a northbound right-turn-on-red prohibition is required. A drawing showing the lane designations and the proposed northbound right-turn-on-red prohibition at the intersection of Dundas Street West and Dundas Street West is included in Attachment 4.

In addition to the three aforementioned existing signalized intersections, the intersections of Kipling Avenue and Dundas Street West & Dundas Street West and Bindagen Trail are controlled by traffic control signals. Traffic regulation amendments are required to authorize the traffic control signals.

Cycle tracks were constructed on the north side of Bloor Street West, between Resurrection Road and Prennan Avenue, on the south side of Bloor Street West between Beamish Drive and Resurrection Road, on both sides of Dundas Street West, between Auckland Road and Dundas Street West, and on both sides of Kipling Avenue, between Bloor Street West and Dundas Street West. Traffic regulation amendments are required to designate the cycle tracks. A drawing showing the cycle track network in the Six Points Interchange Project area is shown in Attachment 5.

Bike lanes were installed on the west side of Kipling Avenue between Dundas Street West and a point 58 metres south of Viking Lane, and on the east side of Kipling Avenue between a point 33 metres south of the access road from northbound Kipling Avenue to St. Albans Road and Dundas Street West, as shown in Attachment 5. Traffic regulation amendments are required to designate the bicycle lanes.

Council authorization is also required to rescind the existing northbound left-turn prohibition on Beamish Avenue at Bloor Street West, to reflect current field conditions.

The Ward Councillors have been advised of the recommendations in this report.

## **CONTACT**

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## **SIGNATURE**

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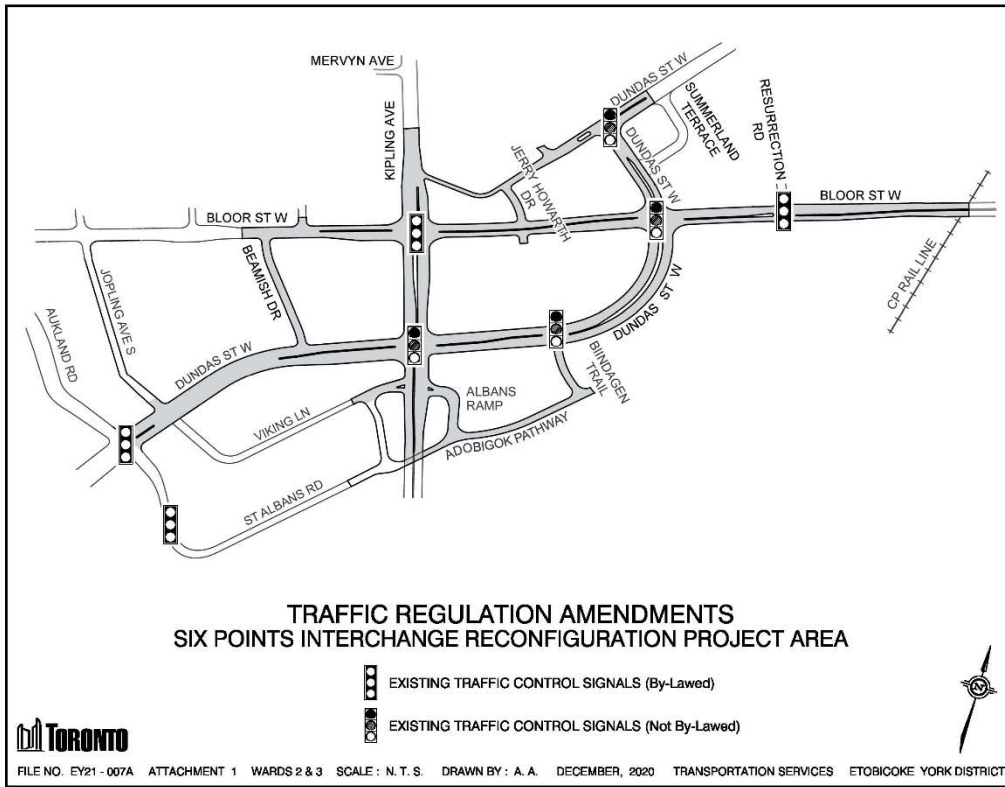
Barbara Gray  
General Manager, Transportation Services

## **ATTACHMENTS**

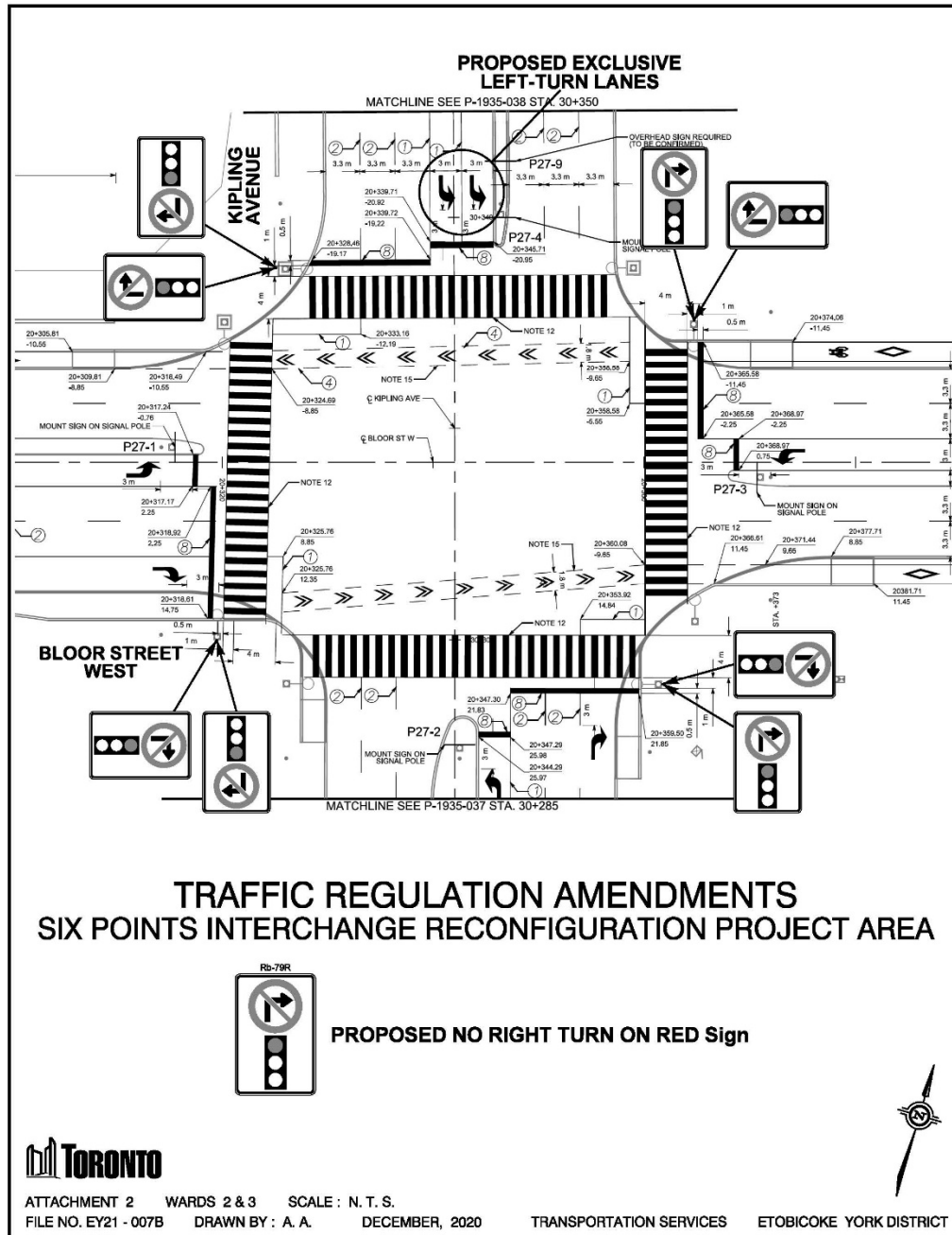
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Attachment 1: Map - Six Points Interchange Reconfiguration Project Area  
Attachment 2: Intersection Drawing - Kipling Avenue and Bloor Street West  
Attachment 3: Intersection Drawing - Bloor Street West and Dundas Street West  
Attachment 4: Intersection Drawing - Dundas Street West and Dundas Street  
Attachment 5: Map - Six Points Interchange Reconfiguration Projects Area  
Attachment 6: Appendix A - Regulations to be Rescinded  
Attachment 7: Appendix B - Regulations to be Implemented

# Attachment 1: Map - Six Points Interchange Reconfiguration Project Area

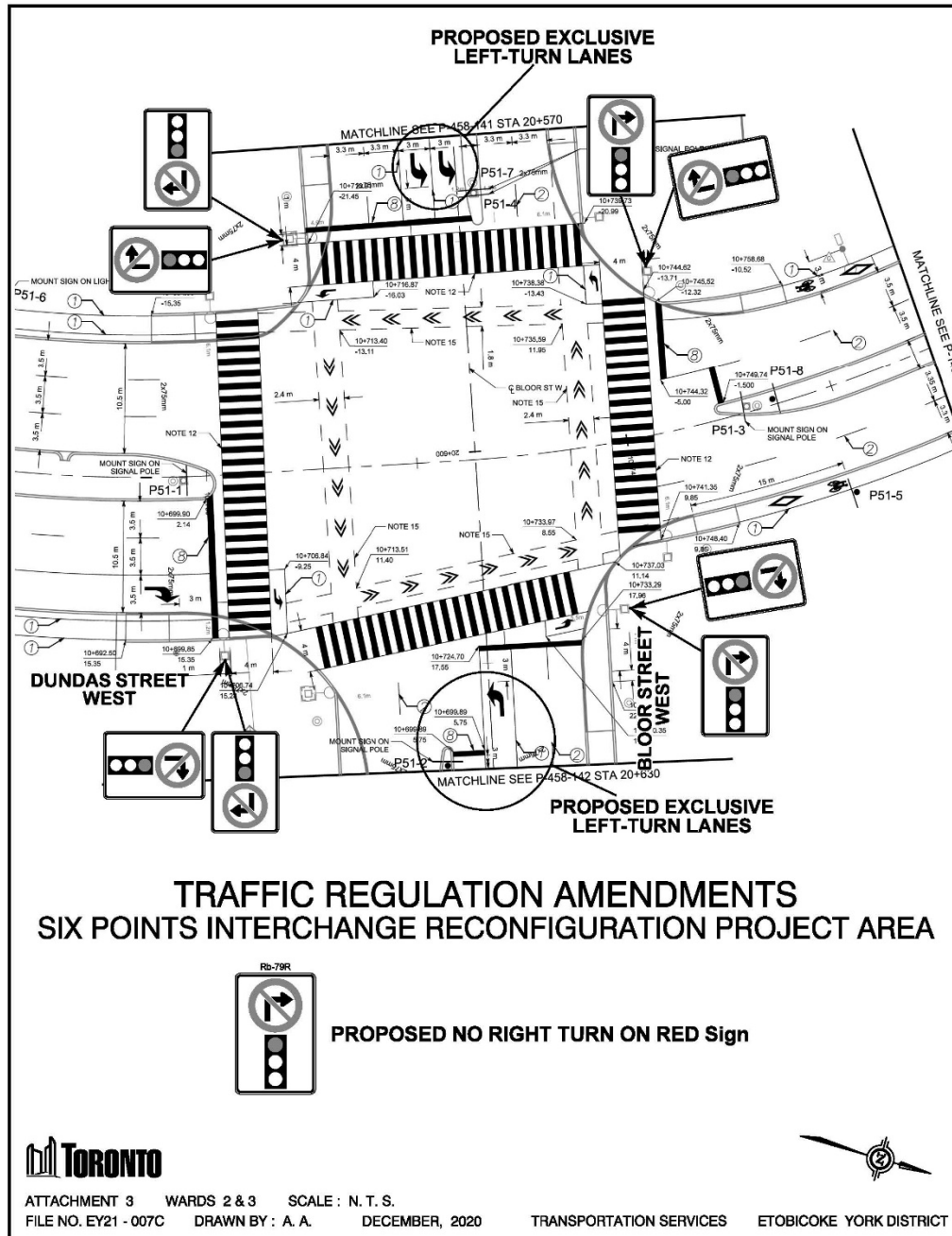


# Attachment 2: Intersection Drawing - Kipling Avenue and Bloor Street West

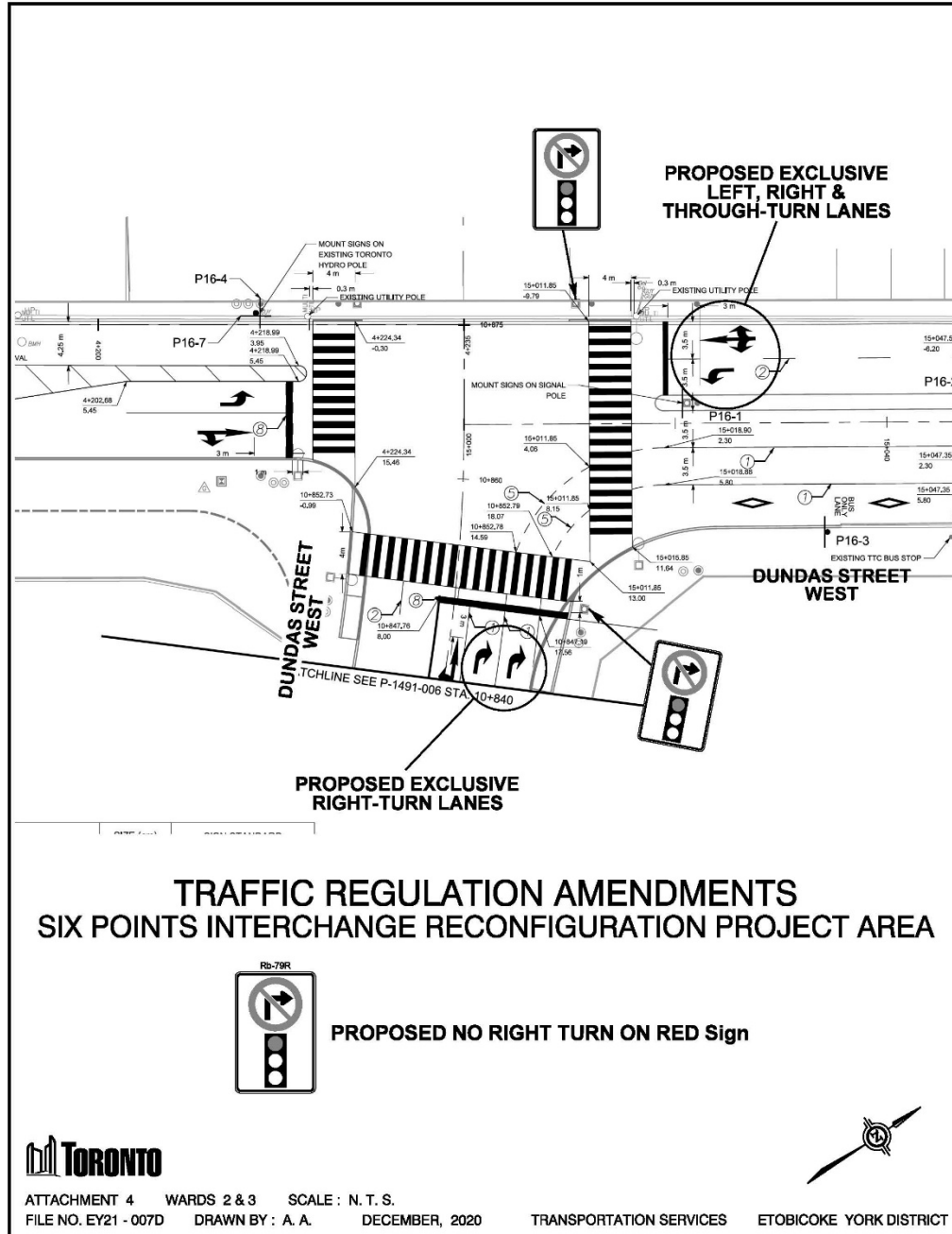




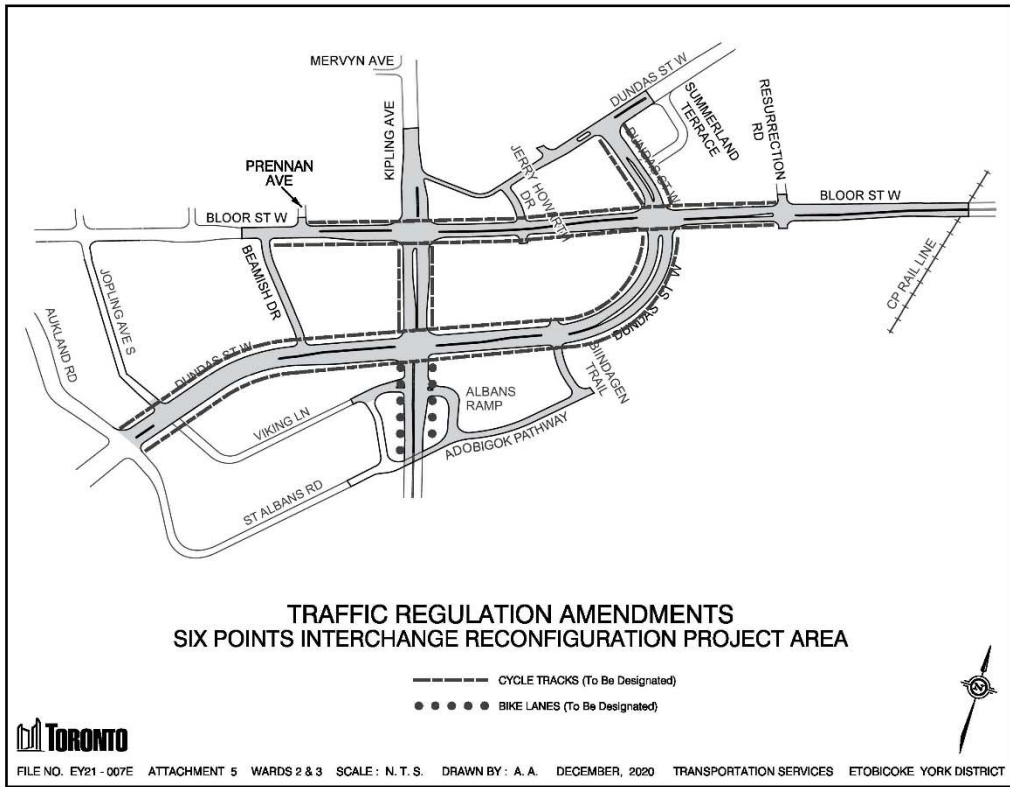
# Attachment 3: Intersection Drawing - Bloor Street West and Dundas Street West



# Attachment 4: Intersection Drawing - Dundas Street West and Dundas Street West



# Attachment 5: Map - Six Points Interchange Reconfiguration Projects Area



## Attachment 6: Appendix A - Regulations to be Rescinded

TO BE RESCINDED

No Parking

Highway	Side	Between	Prohibited Times and/or Days
Bloor Street West	Both	Dundas Street West (ET) and Fieldway Road	Anytime
Bloor Street West	North	Kipling Avenue and Botfield Avenue	Anytime
Bloor Street West	South	Kipling Avenue and Beamish Drive	Anytime
Dundas Street West	South	Kipling Avenue and Highway 27	Anytime
Dundas Street West	Both	Kipling Avenue and Avonhurst Road	Anytime
Kipling Avenue	East	The Queensway to the ramp from westbound Dundas Street West to northbound Kipling Avenue	7:00 a.m. to 6 p.m., Mon. to Fri., except public holidays
Kipling Avenue	West	Dundas Street West and Lake Shore Boulevard West	Anytime
Kipling Avenue	West	Dundas Street West and Prince George Drive	7:00 a.m. to 6 p.m., Mon. to Fri., except public holidays

No Stopping

Highway	Side	Between	Prohibited Times and/or Days
Bloor Street West	South	A point 60 metres east of Mill Road and Beamish Drive	Anytime
Dundas Street West	North	Islington Avenue and Kipling Avenue	7:00 a.m. to 9 a.m., 4:00 p.m. to 6:00 p.m. Mon. to Fri., except public holidays
Kipling Avenue	East	The ramp from westbound Dundas Street West to northbound Kipling Avenue and Streight Lane (private access)	Anytime

## Attachment 7: Appendix B - Regulations to be Implemented

### TO BE ENACTED

#### No Parking

Highway	Side	Between	Prohibited Times and/or Days
Bloor Street West	Both	Resurrection Road and Green Lanes	Anytime
Bloor Street West	North	Prennan Avenue and Botfield Avenue	Anytime
Dundas Street West	West	Aukland Avenue and Highway 27	Anytime
Dundas Street West	North	Kipling Avenue and Avonhurst Road	Anytime
Dundas Street West	South	Kipling Avenue and Dundas Street West	Anytime
Dundas Street West	North	Islington Avenue and Renown Road	7:00 a.m. to 9 a.m., 4:00 p.m. to 6:00 p.m. Mon. to Fri., except public holidays
Kipling Avenue	West	Lake Shore Boulevard West and a point 58 metres south of Viking Lane	7:00 a.m. to 6 p.m., Mon. to Fri., except public holidays
Kipling Avenue	West	Bloor Street West and Prince George Drive	7:00 a.m. to 6 p.m., Mon. to Fri., except public holidays
Kipling Avenue	East	The Queensway and a point 33 metres south of the access road from northbound Kipling Avenue to St. Albans Road	7:00 a.m. to 6 p.m., Mon. to Fri., except public holidays

#### No Stopping

Highway	Side	Between	Prohibited Times and/or Days
Bloor Street West	North	Resurrection Road and Prennan Avenue	Anytime
Bloor Street West	South	Resurrection Road and a point 60 metres east of Mill Road	Anytime
Dundas Street West	Both	Aukland Road and Dundas Street West	Anytime
Kipling Avenue	Both	Bloor Street West and Dundas Street West	Anytime
Kipling Avenue	West	Dundas Street West and a point 58 metres south of Viking Lane	Anytime
Kipling Avenue	East	A point 33 metres south of the access road from northbound Kipling Avenue to St. Albans Road and Dundas Street West	Anytime
Kipling Avenue	East	Bloor Street West and and Streight Lane (private access)	Anytime