

2008 Bikeway Network Program - Phase 1 Installation of Bicycle Lanes

Date:	April 22, 2008
To:	Public Works and Infrastructure Committee
From:	General Manager, Transportation Services
Wards:	Trinity-Spadina Ward 19; St. Paul's Ward 21; Toronto Centre-Rosedale Wards 27 and 28
Reference Number:	p\2008\ClusterB\tra\tim\pw08009tim

SUMMARY

The purpose of this report is to obtain authority to install bicycle lanes on Wellesley Street, Vaughan Road and Shaw Street. This report is the first of several reports to obtain approval for installing bicycle lanes as part of the Toronto Bike Plan - 2008 Bikeway Network Program.

The affected Ward Councillors have been consulted and support the bicycle lanes proposed in their respective Wards.

RECOMMENDATIONS

The General Manager, Transportation Services recommends that City Council:

1. Approve the installation of bicycle lanes on both sides of Wellesley Street, from Queen's Park Crescent to Parliament Street, as detailed in Appendix A of this report;
2. Approve the installation of bicycle lanes in the northbound direction on Vaughan Road, from St. Clair Avenue West to Winona Drive, as detailed in Appendix A of this report;
3. Approve the installation of a northbound contra-flow bicycle lane on the east side of Shaw Street, from Barton Avenue to Dupont Street, as detailed in Appendix A of this report;

4. Approve the amendments to the traffic and parking regulations detailed in Appendix B of this report;
5. Approve a “Stop” sign for northbound cyclist traffic on Shaw Street at the intersection with Essex Street; and
6. Authorize and direct the appropriate City officials to take the necessary action to give effect thereto, including the introduction of all necessary bills.

Financial Impact

Funds to implement the bicycle lanes contained in this report are provided for within the Transportation Services Division 2008 Capital Budget in the Cycling Infrastructure Account CTP 808-05.

DECISION HISTORY

City Council, at its meeting on July 24, 25 and 26, 2001, adopted the Toronto Bike Plan (Clause No. 3 of Report No. 8 of the Planning and Transportation Committee). One of the key recommendations of the Toronto Bike Plan is to implement a 1,000 kilometre Bikeway Network.

ISSUE BACKGROUND

By adopting the Clean Air, Climate Change and Energy Efficiency Action Plan in June 2007, Council has directed Transportation Services to complete the infrastructure elements of the Toronto Bike Plan by 2012, including the Bikeway Network. The Network consists of three bikeway types: bicycle lanes, shared roadway routes, and off-road paths. In order to complete the bicycle lane sections of the Bikeway Network by 2012, Transportation Services has established annual targets. The target for 2008 is to install 50 kilometres of new bicycle lanes. This report is the first of several reports to obtain the necessary approvals for installing the 2008 bicycle lanes.

COMMENTS

1. Wellesley Street – Queen’s Park Crescent West to Parliament Street:

Wellesley Street currently operates as a two-way minor arterial roadway, with one lane in each direction between Parliament Street and Bay Street. Between Queen’s Park Crescent West and Bay Street, Wellesley Street operates as a three lane cross-section, with two eastbound lanes and one westbound lane. The Toronto Transit Commission (TTC) operates the 94-Wellesley bus route on this section of Wellesley Street. The introduction of dedicated bicycle lanes on the roadway can be accommodated within the existing roadway pavement width, and will allow for a two lane cross-section, one lane in each direction, to be maintained over the entire length of the roadway. The existing eastbound and westbound dedicated left turn lanes at Church Street will be eliminated along with 12

existing pay and display parking spaces at the south curb between Bay Street and Yonge Street. All other pay and display parking spaces along the route will be maintained. Peak hour parking will also be permitted along the south curb of Wellesley Street between Sherbourne Street and Parliament Street, where it is currently prohibited. Acceptable traffic operations will be maintained throughout the route.

The attached Drawing No. 421P0065, dated April 2008, entitled “Wellesley St.: Queen’s Park Cres W - Parliament St, Proposed Bicycle Lane Location Plan” illustrates the location of the proposed bicycle lanes and where parking will be provided. The attached Drawing No. 421P0066, dated April 2008, entitled “Wellesley St: Queen's Park Cres W - Parliament St, Cross Section A-A” illustrates the existing and proposed cross-section just west of Bay Street.

The Ward Councillors have been consulted and they support the bicycle lanes proposed on Wellesley Street, as described in this report. The TTC staff have reviewed the proposal and have no objections.

2. Vaughan Road – St. Clair Avenue West to Winona Drive:

Vaughan Road from St. Clair Avenue West to Winona Drive currently operates as a two-way minor arterial roadway, with one lane in each direction. Permit parking is provided on the east side for most of this length. Some metered parking is provided on both sides just north of Kenwood Avenue. The TTC operates the 90-Vaughan bus route on this section of Vaughan Road. The existing roadway is not wide enough to provide bicycle lanes in both directions and also maintain the existing parking. However, it is possible to reconfigure the pavement markings to provide a northbound bicycle lane adjacent to the parking and also provide a wide curb lane for the southbound direction. This proposal will have no impact on the existing parking, traffic operations or the existing TTC service.

The attached Drawing No. 421P0069 dated April 2008, entitled “Vaughan Road: St Clair Ave W - Winona Dr, Proposed Bicycle Lane Location Plan” illustrates the location of proposed bicycle lane and where parking will be provided. The attached Drawing No. 421P0070 dated April 2008, entitled “Vaughan Rd: St Clair Ave W - Winona Dr, Cross Section AA” illustrates the existing and proposed cross-sections.

The Ward Councillor has been consulted and supports the bicycle lane proposed on Vaughan Road, as described in this report. The TTC staff have reviewed the proposal and have no objections.

3. Shaw Street – Barton Avenue to Dupont Street:

Shaw Street, from Barton Avenue to Dupont Street, currently operates one-way in the southbound direction with permit parking provided on the east side. A contra-flow bicycle lane is proposed adjacent to the parking on the east side of Shaw Street in order to allow cyclists to travel in the northbound direction to make the connection from the

existing signed bicycle route on Barton Avenue to the proposed bicycle route on Hallam Street or further north to the bicycle lanes on Davenport Road. This proposal will have no impact on the existing parking or traffic operations. The traffic control signal displays at the Shaw Street and Dupont Street intersection will require modifications. Appropriate bicycle signal hardware and bicycle detection hardware will be installed to provide a traffic signal display for northbound cyclists.

The attached Drawing No. 421P0067 dated April 2008, entitled “Shaw St: Barton Ave - Dupont St, Proposed Bicycle Lane Location Plan” illustrates the location of the proposed contra-flow bicycle lane and where parking will be provided. The attached Drawing No. 421P0068 dated April 2008, entitled “Shaw St: Barton Ave - Dupont St, Cross Section A-A” illustrates the existing and proposed cross-sections.

The Ward Councillor has been consulted and supports the contra-flow bicycle lane proposed on Shaw Street, as described in this report.

CONTACT

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ATTACHMENTS

Appendix A – Bicycle Lanes to be Designated
Appendix B – Parking and Traffic By-Law Amendments to Implement Bicycle Lanes
Drawing No. 421P0065
Drawing No. 421P0066
Drawing No. 421P0067
Drawing No. 421P0068
Drawing No. 421P0069
Drawing No. 421P0070

Appendix A Bicycle Lanes to be Designated

Add the following:

Highway	Side and Location	Between
Wellesley Street West	North, adjacent to curb	Wellesley Street West north Ramp and Queen's Park Crescent East
Wellesley Street West	South, adjacent to curb	Wellesley Street West south Ramp and a point 45 metres east thereof
Wellesley Street West	South, adjacent to lay-by	A point 45 metres east of Wellesley Street West south Ramp and a point 40 metres east thereof
Wellesley Street West	South, adjacent to curb	A point 85 metres east of Wellesley Street West south Ramp and a point 116 metres east of Queen's Park Crescent East
Wellesley Street West	North, adjacent to right turn lane	Queen's Park Crescent East to a point 33 metres east of Queen's Park Crescent East
Wellesley Street West	North, adjacent to pick-up/drop-off zone	A point 33 metres east of Queen's Park Crescent East and a point 50 metres east thereof
Wellesley Street West	North, adjacent to parking	A point 83 metres East of Queen's Park Crescent East and a point 90 metres west of Bay Street
Wellesley Street West	North, adjacent to curb	A point 90 metres west of Bay Street and a point 55 metres west of Bay Street
Wellesley Street West	South, adjacent to parking	A point 116 metres east of Queen's Park Crescent East and a point 95 metres west of Bay Street
Wellesley Street West	South, adjacent to vendor parking zone	A point 95 metres west of Bay Street and a point 7 metres east thereof
Wellesley Street West	South, adjacent to curb	A point 88 metres west of Bay Street and a point 55 metres west of Bay Street
Wellesley Street West	North, adjacent to motor coach loading zone	A point 55 metres east of Bay Street and a point 22 east thereof
Wellesley Street West	North, adjacent to parking	A point 77 metres east of Bay Street and St. Nicholas Street
Wellesley Street West	North, adjacent to curb	St. Nicholas Street and a point 55 metres west of Yonge Street

Highway	Side and Location	Between
Wellesley Street West	South, adjacent to curb	A point 55 metres east of Bay Street and a point 55 metres west of Yonge Street
Wellesley Street East	Both, adjacent to curb	A point 75 metres east of Yonge Street and a point 55 metres west of Jarvis Street
Wellesley Street East	North, adjacent to curb	A point 55 metres east of Jarvis Street and a point 72 metres east of Jarvis Street
Wellesley Street East	North, adjacent to parking	A point 72 metres east of Jarvis Street and Wellesley Place
Wellesley Street East	South, adjacent to curb	A point 55 metres east of Jarvis Street and a point 33 metres east of Sherbourne Street
Wellesley Street East	North, adjacent to curb	Wellesley Place and Parliament Street
Wellesley Street East	South, adjacent to parking	A point 33 metres east of Sherbourne Street and a point 30 metres west of Ontario Street
Wellesley Street East	South, adjacent to curb	A point 30 metres west of Ontario Street and a point 30 metres east of Ontario Street
Wellesley Street East	South, adjacent to parking	A point 30 metres east of Ontario Street and a point 50 metres west of Parliament Street
Vaughan Road	East, adjacent to curb	St Clair Avenue West and a point 77 metres south of Louise Avenue
Vaughan Road	East and north, adjacent to parking	A point 77 metres south of Louise Avenue and a point 38 metres west of Rushton Road
Vaughan Road	North, adjacent to curb	A point 38 metres west of Rushton Road and Winona Drive
Shaw Street	East, adjacent to parking	Barton Avenue to Dupont Street

Appendix B

Traffic and Parking By-law Amendments Required to Implement Bicycle Lanes

No Parking

1. Delete the following:

Street	Side	Between	Times/Days
Wellesley Street East	Both	A point 146.3 metres east of Yonge Street and Jarvis Street	Anytime
Wellesley Street East	Both	Yonge Street and a point 76 metres east	Anytime
Wellesley Street East	North	Jarvis Street and a point 70 metres east of it	Anytime
Wellesley Street East	North	Ontario Street and Sumach Street	Anytime
Wellesley Street East	North	Wellesley Place and a point 80.2 metres west of Ontario Street	Anytime
Wellesley Street East	South	Jarvis Street and Sherbourne Street	Anytime
Wellesley Street East	South	Ontario Street and Parliament Street	7:00 a.m. to 9:00 a.m. Mon. to Fri. except public holidays
Wellesley Street East	South	Sherbourne Street and a point 80.2 metres west of Ontario Street	7:00 a.m. to 9:00 a.m. Mon. to Fri. except public holidays
Wellesley Street West	Both	Queen's Park Crescent East and Queen's Park Crescent West	Anytime
Wellesley Street West	Both	Yonge Street and a Point 55 metres west of it	Anytime
Wellesley Street West	North	Bay Street and a point 59.2 metres west thereof	Anytime
Wellesley Street West	North	Queen's Park Crescent East and a point 35 metres east of it	Anytime
Wellesley Street West	South	Bay Street and a point 55 metres east	Anytime
Wellesley Street West	South	Bay Street and a point 85 metres west thereof	Anytime
Wellesley Street West	South	Queen's Park Crescent East and a point 106 metres east of it	Anytime
Vaughan Road	Both	St Clair Avenue West and the north City limit	Anytime
Vaughan Road	North	Winnett Avenue and Arlington Avenue	Anytime
Vaughan Road	North	Alameda Avenue and Atlas Avenue	Anytime

Street	Side	Between	Times/Days
Vaughan Road	North	Arlington Avenue and Kenwood Avenue	4:00 p.m. to 6:00 p.m. Monday to Friday
Vaughan Road	North and East	A point 79.5 metres north/west of Maplewood Avenue and Maplewood Avenue	Anytime
Vaughan Road	East	A point 44 metres north of St. Clair Avenue West and Maplewood Avenue	4:00 p.m. to 6:00 p.m. Monday to Friday

2. Add the following:

Street	Side	Between	Times/Days
Wellesley Street East	North	Parliament Street and Sumach Street	Anytime
Wellesley Street West	South	A point 45 metres east of Wellesley Street West south Ramp and a point 40 metres east thereof	Anytime
Wellesley Street West	North	A point 33 metres east of Queen's Park Crescent East and a point 50 metres east thereof	Anytime
Vaughan Road	West	St. Clair Avenue West and the north City limit	Anytime
Vaughan Road	North	Alameda Avenue and Winona Drive	Anytime

No Stopping

1. Delete the following

Street	Side	Between	Times/Days
Wellesley Street East	Both	76 metres east of Yonge Street and a point 70.3 metres further east	Anytime
Wellesley Street East	Both	A point 146.3 metres east of Yonge Street and Jarvis Street	7:30 a.m. to 9:30 a.m. and 3:30 p.m. to 6:30 p.m., Mon. to Fri. except public holidays
Wellesley Street East	Both	Ontario Street and a point 80.2 metres west	Anytime

Wellesley Street East	Both	Yonge Street and a point 76 metres east	7:30 a.m. to 9:30 a.m. and 3:30 p.m. to 6:30 p.m., Mon. to Fri. except public holidays
Wellesley Street East	North	Wellesley Place and a point 80.2 metres west of Ontario Street	7:00 a.m. to 9:00 a.m. Mon. to Fri. except public holidays
Wellesley Street East	North	Ontario Street and Parliament Street	7:00 a.m. to 9:00 a.m. Mon. to Fri. except public holidays
Wellesley Street East	South	Jarvis Street and a point 80.2 metres west of Ontario Street	4:00 p.m. to 6:00 p.m. Mon. to Fri. except public holidays
Wellesley Street East	South	Ontario Street and Parliament Street	4:00 p.m. to 6:00 p.m. Mon. to Fri. except public holidays
Vaughan Road	East	Bathurst Street and the north City limit	4:00 p.m. to 6:00 p.m., except Sat., Sun., and public holidays
Vaughan Road	North	Oakwood Avenue and Atlas Avenue	7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., Monday to Friday
Vaughan Road	North	Winnett Avenue and Arlington Avenue	7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., Monday to Friday

2. Add the following

Street	Side	Between	Times/Days
Wellesley Street West	North	Wellesley Street West north Ramp and a point 33 metres east of Queen's Park Crescent East	Anytime
Wellesley Street West	South	Wellesley Street West south Ramp and a point 45 metres east thereof	Anytime
Wellesley Street West	South	A point 85 metres east of Wellesley Street West south Ramp and a point 116 metres east of Queen's Park Crescent East	Anytime
Wellesley Street West	North	A point 90 metres west of Bay Street to a point 48 metres east of Bay Street	Anytime

Wellesley Street West / East	South	A point 95 metres west of Bay Street to a point 33 metres east of Sherbourne Street	Anytime
Wellesley Street West / East	North	St. Nicholas Street to a point 72 metres east of Jarvis Street	Anytime
Wellesley Street West / East	North	Wellesley Place and Parliament Street	Anytime
Wellesley Street East	South	A point 30 metres west of Ontario Street to a point 30 metres east of Ontario Street	Anytime
Wellesley Street East	South	Parliament Street and a point 50 metres west thereof	Anytime
Vaughan Road	East	Bathurst Street and St. Clair Avenue West	4:00 p.m. to 6:00 p.m. Mon. to Fri. except public holidays
Vaughan Road	North	Oakwood Avenue and Winona Drive	7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., Monday to Friday
Vaughan Road	East	St. Clair Avenue West and a point 77 metres south of Louise Avenue	Anytime
Vaughan Road	East	A point 51 metres south of Maplewood Avenue and a point 15 metres north of Maplewood Avenue	Anytime
Vaughan Road	North and East	A point 35 metres south/east of Kenwood Avenue and a point 30 metres north/west of Kenwood Avenue	Anytime
Vaughan Road	North and East	A point 37 metres south/east of Connaught Circle and a point 20 metres north/west of Connaught Circle	Anytime
Vaughan Road	North	A point 31 metres east of Humewood Drive and a point 20 metres west of Humewood Drive	Anytime
Vaughan Road	North	A point 35 metres east of Rushton Road and a point 15 metres west of Rushton Road	Anytime
Vaughan Road	North	A point 38 metres east of Rushton Road and Winona Drive	Anytime

No Standing

1. Delete the following

Street	Side	Between	Times/Days
Wellesley Street West	North	A point 59.2 metres west of Bay Street and a point 31.9 metres further west thereof	Anytime
Wellesley Street West	North	A point 128 metres west of Yonge Street and Bay Street	Anytime
Wellesley Street West	South	A point 120.4 metres west of Bay and a point 19.8 metres further west thereof	Anytime
Vaughan Road	North	Atlas Avenue and Winnett Avenue	Anytime

2. Add the following

Street	Side	Between	Times/Days
Wellesley Street West	North	A point 128 metres west of Yonge Street and a point 48 metres east of Bay Street	Anytime

Time Limit Parking

1. Delete the following

Street	Side	Between	Times/Days	Time Limit
Wellesley Street West	North	Yonge Street and a Point 128 metres west	8:00 a.m. to 6:00 p.m. Mon. to Sat.	60 min.
Wellesley Street West	South	Queen's Park Crescent East and Yonge Street	8:00 a.m. to 6:00 p.m. Mon. to Sat.	60 min.
Wellesley Street West	South	Surrey Place and Bay Street	8:00 a.m. to 6:00 p.m.	60 min.

Parking Machines

1. Delete the following

Street	Side	Between	Times/Days	Cost	Time Limit
Wellesley Street West	South	A point 55 metres east of Bay Street and a point 55 metres west of Yonge Street	8:00 a.m. to 9:00 p.m., Mon. to Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$2.50 for 1 hour	3 hours

One-Way Traffic Lanes

1. Delete the following

Highway	Between	Lanes	Times of Day	Direction
Wellesley Street West north Ramp	Queen's Park Crescent West and Wellesley Street	Westerly southbound	Anytime	Southbound left turning; southbound right turning; straight through

2. Add the following

Highway	Between	Lanes	Times of Day	Direction
Wellesley Street West north Ramp	Queen's Park Crescent West and Wellesley Street	Westerly southbound	Anytime	Southbound right turning; straight through