

STAFF REPORT ACTION REQUIRED

Toronto East End Streetcar Routes – Extended Peak Period Regulations

Date:	September 23, 2016
To:	Toronto and East York Community Council
From:	Acting Director, Transportation Services, Toronto and East York District
Wards:	Wards 28, 30, 32
Reference Number:	Ts2016160te.top.docx

SUMMARY

As part of the City of Toronto's Congestion Management Plan, continuing efforts to reduce traffic congestion, and improve streetcar operations, this report recommends the modification of peak hour restrictions on Toronto and East York District mixed-traffic streetcar route sections east of Parliament Street.

The study area covers Broadview Avenue, Coxwell Avenue, Kingston Road and Queen Street east of Parliament Street (Appendix A). An analysis of TTC GPS-based data further calibrated through manual traffic surveys and field observations supports the recommendations in this study.

The recommended changes, which consist primarily of extensions to many "No Stopping" and some "No Left-Turn" signed restrictions, are intended to improve transit service reliability, to better manage vehicular and cycling flow during the new extended peak period, and to match the City's existing traffic regulations with prevailing traffic conditions on these corridors. The By-law amendments also include the related changes to on-street parking operations to coincide with the new stopping prohibitions.

Conditions will be monitored following implementation to determine whether the changes have the intended effect, and whether any adjustments need to be made. While these changes do not immediately impact streetcar service scheduling or planning, they are intended to improve the consistency of travel times, and allow for subsequent schedule adjustments by the TTC.

RECOMMENDATIONS

Transportation Services, Toronto and East York District recommends that:

- 1. City Council enact the traffic and parking by-law amendments as set out in Appendix C attached to the report dated August 24, 2016 from the Acting Director, Transportation Services, Toronto and East York District.
- 2. City Council authorize and direct the appropriate City officials to take the necessary action to give effect to Council's decision, including the introduction in Council of any bills that may be required.

Financial Impact

The cost of implementing all signage changes as recommended in this report is estimated to be approximately \$10,500.00 for turn prohibitions and \$14,875.00 for parking control for a total of \$25,375.00. These funds are available in Transportation Services' 2016 Capital Budget in account CTP716-27 (Signs and Markings Asset Management).

The extended peak period regulations on the aforementioned streets east of Parliament are anticipated to reduce parking revenue. The Toronto Parking Authority (TPA) has estimated a maximum potential net revenue loss of \$48,477.00 annually based on the estimated utilization of affected parking machines during these additional periods. Additionally, TPA expects a total one-time cost of \$13,277.50 to re-program pay parking machines.

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

DECISION HISTORY

City Council, at its meeting on September 30, October 1 and 2, 2015, adopted, as amended, Item TE10.115 titled "Downtown Streetcar Routes – Extended Peak Period Regulations" and, in so doing, directed that "...should the new data indicate...that there is a further opportunity to improve segment travel times through a similar extension of 'No Stopping' hours on other sections of the streetcar network, the General Manager, Transportation Services be requested to report by March 2016 with a plan to complete the detailed analysis on the remaining mixed-traffic streetcar routes throughout the Toronto and East York District."

http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2015.TE10.115

At its meeting on June 7, 8, 9, 2016, City Council adopted item TE16.53 titled "Downtown Streetcar Routes – Travel Time Study of Extended Peak Period Regulations." The Staff report contained a preliminary plan of operational changes being studied on other route sections east of Parliament Street, now refined and being submitted as a final recommendation report.

http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2016.TE16.53

COMMENTS

In October 2015, City Council approved a report recommending changes to stopping prohibition hours at Queen, Dundas and Carlton streetcar routes in downtown Toronto. At this meeting, City Council directed Transportation Services to report back on the impacts of extended 'No Stopping' hours to streetcar operations and to prepare a preliminary plan to review the remaining streetcar routes in Toronto and East York District. The impacts of the first phase and plan for the second phase were presented in the staff report adopted by City Council in June 2016. The link below provides background on the completed peak hour regulation review in downtown Toronto. www.toronto.ca/peakhours

On an average weekday, approximately 45,000 motor vehicles travel along Broadview Avenue, Coxwell Avenue, Kingston Road, and Queen Street East through the eastern area of Toronto. At a commonly estimated rate of 1.2 occupants per private vehicle, this flow would represent 54,000 people. Streetcar routes operating on these corridors service an average of approximately 100,000 passengers daily. The resultant traffic congestion observed outside of traditional peak periods – hours during which stopping, turning and parking restrictions are in effect, often from 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. - amounts to several minutes of lost time per person within streetcars and general traffic. Additionally, a congested corridor reduces the ability of streetcars to operate on schedule. The Downtown Transportation Operations Study (DTOS), Congestion Management Plan (CMP), and King Street Operational Study have all identified the importance of downtown corridors with the City's road network, and the high-ridership streetcar routes have been targeted because of the large cumulative impact on a high number of road users. This report specifically responds to Council direction to review the sections of key mixed-traffic streetcar routes east of Parliament Street.

Similar to the previous study of downtown streetcar routes, travel time information is collected from TTC's Automatic Vehicle Location (AVL) data for 501 Queen, 502 Downtowner, 503 Kingston, 504 King, 505 Dundas and 506 Carlton from June 6-17, 2016 during the morning and afternoon peak periods. Travel time data indicates that there is an opportunity to reduce congestion during "shoulder" periods by selectively extending stopping and/or turning restrictions at the most problematic sections of a streetcar route. Allowing the full capacity of the roadway to be used during these periods, while vehicle volumes are still relatively high, can reduce delays and improve reliability.

Travel times and speeds were analyzed with a view to identifying significant differences between peak-period and off-peak conditions. Generally, approximately one-kilometre sections were used, and cases where there was a clear peak in travel times adjacent to the current peak period were investigated more closely to determine whether stopped or parked vehicles in the curb lane were the cause. In a typical case where recommendations to change traffic regulations are made, streetcar travel times may increase by approximately one minute in a segment immediately after the stopping prohibition ends due to continued high traffic levels. In several cases with a 4:00 to 6:00 p.m. prohibition, it is recommended that the peak period be extended by 30 minutes in each direction, to 3:30 p.m. to 6:30 p.m., allowing all traffic and streetcars to use the full roadway capacity

for this additional hour, and removing the shoulder peak in travel times, improving reliability. Variations in measured travel time and its schedule reliability are also taken into account when identifying problematic route sections. Changes in traffic regulations are being recommended where travel times are particularly inconsistent. For the purposes of analysis, the morning peak period is from 7:00 a.m. to 10:00 a.m., while the afternoon peak period is from 3:00 p.m.to 7:00 p.m., and the recommended changes fall within these hours.

Expected Travel Time Savings

Through the past implementation of peak hour prohibition extensions (for example, extending the 4:00 p.m. to 6:00 p.m. no-stopping hours in a segment of a street to 3:30 p.m. to 6:30 p.m.), travel time savings during the shoulder period in many cases have been found to be approximately one minute per segment. Collectively, total travel time savings throughout the initial study corridor (select sections from Roncesvalles Avenue to Parliament Street) amounted to three to four minutes, the equivalent of the transit headway (time between streetcars) during peak hours. In addition to facilitating smoother traffic flow, there are opportunities to provide more flexibility in scheduling, reduced transit vehicle requirements, or allow for increased service in the future. Actual savings for streetcar routes in Toronto east end will be determined by measuring travel time impacts of new peak hour regulations between October 2016 and Spring 2017.

Table 1. Toronto and East York District Recommended Changes to Existing Peak Hour Regulations

Street	From	То	Direction	Current	Proposed	Reason for
				Hours	Hours	Change
Queen	Woodbine	Wineva	Eastbound	4:00	3:30	Reduce
Street East	Avenue	Avenue		p.m. to	p.m. to	over-all
				6:00	6:30	travel time
				p.m.	p.m.	and
						improve
						transit
						reliability
Queen	Pape	Carroll	Westbound	7:00	7:00	Improve
Street East	Avenue	Street		a.m. to	a.m. to	transit
				9:00	10:00	reliability
				a.m.	a.m.	during
						shoulder
						period

Queen	Carroll	McGee	Eastbound	4:00	3:30	Reduce
Street East	Street	Street		p.m. to	p.m. to	over-all
				6:00	6:30	travel time
				p.m.	p.m.	and
						improve
						transit
						reliability
Broadview	Gerrard	Danforth	Northbound	4:00	3:30	Reduce
Avenue	Street East	Avenue		p.m. to	p.m. to	over-all
				6:00	6:30	travel time
				p.m.	p.m.	and
						improve
						transit
						reliability
Kingston	Glen Manor	Victoria	Eastbound	4:00	3:00	Reduce
Avenue	Drive	Park		p.m. to	p.m. to	over-all
		Avenue		6:00	7:00	travel time
				p.m.	p.m.	and
						improve
						transit
						reliability
Kingston	Scarborough	Main	Westbound	7:00	7:00	Improve
Avenue	Road	Street		a.m. to	a.m. to	transit
				9:00	10:00	reliability
				a.m.	a.m.	during
						shoulder
						period

Eastbound Queen Street East between Woodbine Avenue and Wineva Avenue

Streetcar travel times during shoulder periods are found to be almost twice as long as the traditional afternoon peak hours. The combination of many on-street activities such as deliveries, parking and local traffic movement considerably slows down streetcar operations in this busy area. The delay to streetcars also has significant average variability of approximately one minute. This situation is in stark contrast with current peak hours in which travel times are consistently lower, less variable (and more predictable), and generally adheres to TTC's anticipated scheduled travel time. Based on over 320 streetcar runs analyzed in this corridor, extending peak hour period to 3:30 p.m. – 6:30 p.m. is expected to help improve traffic and transit conditions by lowering travel time and improving reliability.

Westbound Queen Street East between Pape Avenue and Carroll Street

Analysis of over 580 streetcar runs has shown marginal differences of 30-45 seconds in travel time between morning peak hour (7:00 a.m. - 9:00 a.m.) and shoulder period (9:00 a.m. - 10:00 a.m.). However, the purpose of extending peak hour regulations at this

location is to bring down over-all travel times close to the level seen in the 7:00 a.m. – 7:30 a.m. period, and for the streetcar to better adhere to its schedule. A post-implementation survey will inform if there are any adjustments to be made in this segment of the route.

Eastbound Queen Street East between Carroll Street and McGee Street

The largest variation in travel times are found following the afternoon peak hour based on more than 370 streetcar runs, which is an indication of many curb activities impacting streetcar movement. To place the observed traffic conditions in context, a streetcar takes three to four minutes to cover approximately 400 metres during this period. In order to bring travel times down and to make travel time more predictable, it is recommended to widen stopping prohibition hours.

Northbound Broadview Avenue between Gerrard Street East and Danforth Avenue

Based on 850 streetcar runs, average travel times in the peak period are lower than TTC's scheduled travel times. While recent changes to the TTC's schedule (incorporating extended running times) should help address schedule reliability, field observations indicated that conditions are worst during the 3:30 p.m. – 4:00 p.m. shoulder period. During this time, travel times are up to eight minutes longer than anticipated, with a deviation of almost four minutes. An extended peak hour regulation that covers this shoulder period should help reduce travel times.

Eastbound Kingston Road between Glen Manor Drive and Victoria Park Avenue

Considering that the slowest times were measured an hour before and after the 4:00 p.m. to 6:00 p.m. period, a longer extension (3:00 p.m. to 7:00 p.m.) of no-stopping regulations than usual, is necessary to improve streetcar operations. Of equal importance to note is the variable times observed during shoulder periods, which should be addressed by the recommended changes. There were 320 streetcar runs analyzed in this corridor.

Westbound Kingston Road between Scarborough Road and Main Street

Similar to the morning peak hour changes in Queen Street East, the focus on this segment of Kingston Road is to bring down travel times in the 9:00 a.m. – 10:00 a.m. interval close to the level seen in the 7:00 a.m. hour, as derived from over 250 streetcar runs. Aside from extending stopping prohibitions, changes to existing no-left turn prohibition hours located at Scarborough Road, Silver Birch Avenue, Balsam Avenue, Glen Manor Drive, Winthorpe Road and Southwood Drive will be necessary to prevent bottleneck congestion at intersections.

Coxwell Avenue and Parliament Street

These two corridors were identified in the staff report "Downtown Streetcar Routes – Travel Time Study of Extended Peak Period Regulations (TE16.53)" as potential

locations for extended stopping prohibitions. However, after a review of TTC's AVL data and field observations, it appears these corridors will benefit significantly from signal re-timing of intersection and re-activation of transit signal priority (TSP). TSP work was recently completed, together with a recent change in signal timing at the Parliament and Carlton intersection. A signal re-timing study is underway at Gerrard Street East and Coxwell Avenue intersection.

Changing Traffic Sign Regulations

Extending no-stopping hours is the main approach to adjust existing peak hour regulations to match with prevailing traffic conditions. However, in a few locations, current turning or parking restrictions are recommended to be extended to align with the new stopping prohibitions posted in the same direction of travel. Where on-street parking is permitted, operating hours are also adjusted to be consistent with the extended peak times. Appendix B outlines the location of proposed amendments to stopping prohibitions for each streetcar route.

All amendments to traffic and parking regulations required to implement these changes are outlined in Appendix C.

CONSULTATION

From May 2016 through July 2016, City staff consulted with Councillors of Wards 28, 30, 32 and Business Improvement Areas (BIAs) regarding the proposed changes in their community. Consultation on the data collection and proposed changes also included the TTC and the Toronto Parking Authority (TPA).

A presentation was given to Councillors and their staff (May 9), while BIAs were offered a choice between an in-person meeting through their Board of Directors meeting, or a review of proposed changes in writing. Staff briefed members of Cabbagetown BIA (June 8), Riverside District BIA (July 5) and Beaches BIA (July 28). Members of the Danforth and Beaches BIA provided comments via email responses, and feedback from a staff of Leslieville BIA was received through phone conversation.

Key comments from consultations, many similar to those from past consultation, are listed below, and all will be addressed through this staff report, through District Traffic Operations or TPA follow-up. As previously mentioned, a post-implementation study and traffic monitoring will be undertaken to identify areas where adjustments need to be made.

- Many have expressed support for extending peak hour prohibitions based on expected benefits to transit, traffic flow and cyclists. Some have acknowledged the impact of implemented changes downtown and welcome the same changes in their community;
- Some are concerned that impact to on-street parking could drive away businesses, and proposed to keep changes to parking to only one side of the street where applicable;

- Businesses that traditionally serve customers in the evening expressed concerns regarding the extension of peak hours to 7:00 p.m.;
- Conduct immediate monitoring of impact of extended morning peak hours on Queen Street East between Pape Avenue and Carlaw Avenue to traffic conditions and parking, and whether further adjustments will be made;
- A request to remove the existing northbound streetcar stop at Broadview Avenue and Danforth Avenue was received and forwarded to TTC for review;
- Few requested to look at accommodating needs of people using Wheel-Trans by providing alternative loading zones on side streets;
- There is a request to consider a leading pedestrian interval at Carlton Street and Parliament Street intersection to enhance safety; and
- At locations where parking demand is high, review current parking limits on residential street parking.

In response to these comments, particularly where street parking on side streets is limited and there is a high level of permit parking, peak period extensions have been limited to those sections and times where a significant benefit is expected. For example, along Broadview Avenue, the extent to which peak hours were recommended to extend was scaled back from 7:00 p.m. to 6:30 p.m. in response to stakeholders' desire to minimize impact to parking and driving. In addition, this process will be accompanied by ongoing investigations into parking regulations on side streets in coordination with the Councillors' offices. In response to a request into accommodating the needs of Wheel-Trans customers, a safe and accessible loading zone on Strange Street has been identified and will be included in a companion report to be submitted to Toronto and East York Community Council in September 2016.

In conjunction with requests from the community, staff has also initiated a review of signal timing at these intersections as a result of traffic monitoring activities during the streetcar travel time study:

- Gerrard Street East and Parliament Street (Ward 28);
- Coxwell Avenue and Gerrard Street East/Eastwood Road (Ward 30); and
- Kingston Road and Victoria Park Avenue (Ward 32).

CONTACT

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SIGNATURE

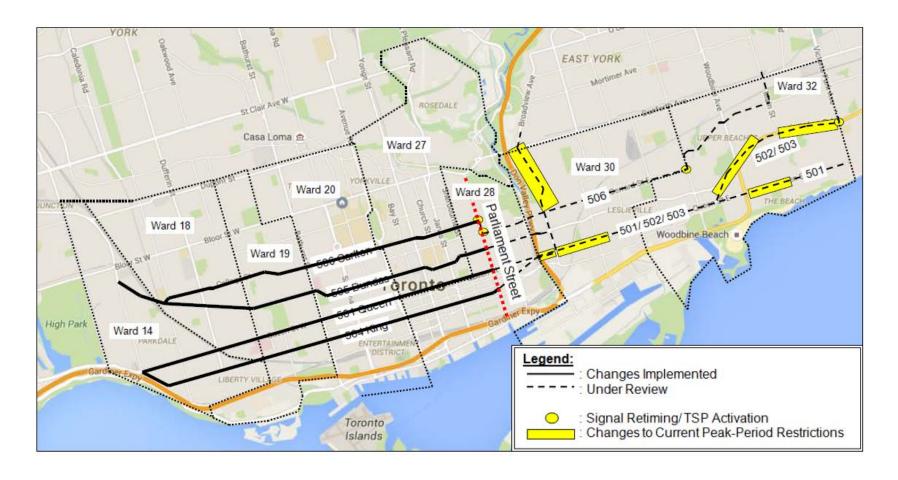
Dave Twaddle Acting Director, Transportation Services Toronto and East York District

ATTACHMENTS

- 1. Appendix A Location Plan
- 2. Appendix B Proposed Peak Hour Extensions for each Streetcar Route
- 3. Appendix C Amendments to Traffic and Parking Regulations

APPENDIX A

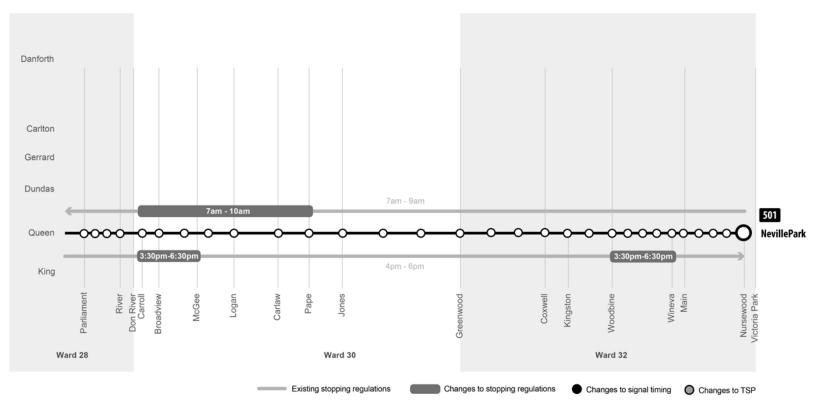
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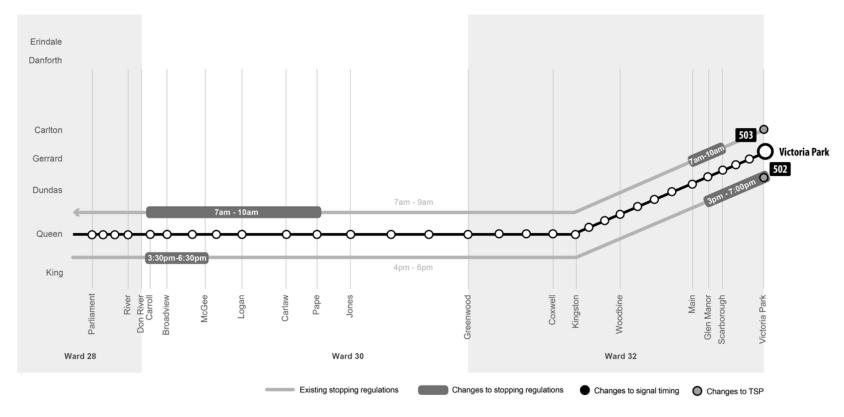
APPENDIX B

Proposed Peak Hour Extensions

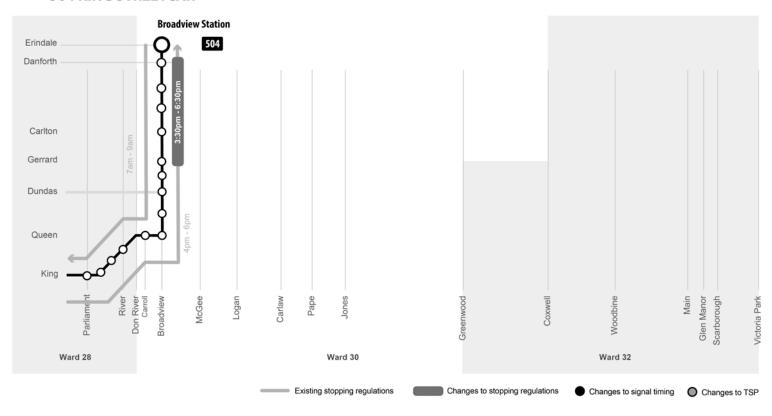
501 QUEEN STREETCAR



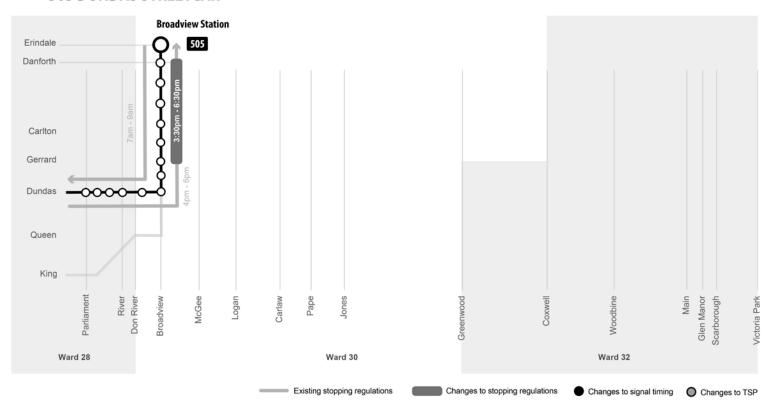
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APPENDIX C

Amendments to Traffic and Parking Regulations

Parking Machines

Delete the following:

	Cido		Harris (dailer as	Fee/Time	Maximum
Highway	Side Parking	Between	Hours (daily as indicated below)	Limit	Parking Period
			,		
			8:00 a.m. to 4:00 p.m.,		
			Mon. to Fri., 8:00		
Broadview		First Avenue and	a.m. to 6:00 p.m.,	\$2.25 for	
Avenue	East	Simpson Avenue	on Sat.	1 hour	3 hours
			9:00 a.m. to		
			4:00 p.m.,		
		Danforth Avenue	Mon. to Fri., 8:00	** ** * * * * * * * * * * * * * * * * *	
Broadview Avenue	Foot	and Fairview Boulevard	a.m. to 6:00 p.m.,	\$1.50 for 1 hour	3 hours
Avenue	East	Boulevard	on Sat.	1 nour	3 nours
			8:00 a.m. to		
			4:00 p.m.,		
Dana dari arra		Simpson Avenue	Mon. to Fri.; 8:00	\$1.50 for	
Broadview Avenue	East	and Langley Avenue	a.m. to 6:00 p.m., Sat.	\$1.50 for 1 hour	3 hours
Tivenue	Last	Avenue	Sat.	1 Hour	3 Hours
			9:00 a.m. to		
			4:00 p.m.,		
Kingston		Main Street and	Mon. to Fri.; 8:00 a.m. to 6:00 p.m.,	\$1.50 for	
Road	North	Walter Street	Sat.	1 hour	3 hours
			8:00 a.m. to		
		Victoria Park	4:00 p.m. Mon. to Fri.;		
Kingston		Avenue and	8:00 a.m. to	\$1.50 for	
Road	North	Beech Avenue	6:00 p.m. Sat.	1 hour	3 hours
			0.00		
			9:00 a.m. to		
		Victoria Park	6:00 p.m., Mon. to Fri.; 8:00		
Kingston		Avenue and	a.m. to 6:00 p.m.,	\$1.50 for	
Road	North	Pickering Street	Sat.	1 hour	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Kingston		Beech Avenue and Willow	8:00 a.m. to 4:00 p.m. Mon. to Fri.; 8:00 a.m. to	\$1.50 for	
Road	South	Avenue	6:00 p.m. Sat.	1 hour	3 hours
Kingston Road	South	Victoria Park Avenue and Silver Birch Avenue	8:00 a.m. to 4:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	Boulton Avenue and Degrassi Street	9:00 a.m. to 4:00 p.m.; Mon. to Fri.; 8:00 a.m. to 6:00 p.m. on Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	Broadview Avenue and Boulton Avenue	9:00 a.m. to 6:00 p.m.; Mon. to Fri.; 8:00 a.m. to 6:00 p.m. on Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	Carlaw Avenue and Vancouver Avenue	9:00 a.m. to 6:00 p.m. Mon. to Fri. and 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	Don Bridge and Broadview Avenue	9:00 a.m. to 4:00 p.m.; Mon. to Fri.; 8:00 a.m. to 6:00 p.m. on Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	McGee Street and Carlaw Avenue	9:00 a.m. to 6:00 p.m.; Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	South	Broadview Avenue and Strange Street	9:00 a.m. to 4:00 p.m.; Mon. to Fri.; 8:00 a.m. to 6:00 p.m. on Sat.	\$1.50 for 1 hour	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Queen Street East	South	Don Valley Parkway and Broadview Avenue	9:00 a.m. to 4:00 p.m.; Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours
Oursey Street		A point 73.4 metres east of Kippendavie Avenue and	8:00 a.m. to 4:00 p.m. and 6:00 p.m. to 9:00 p.m. Mon. to Fri.; 8:00 a.m. to 9:00 p.m. Sat.;	\$2.25 for	
Queen Street East	South	Silver Birch Avenue	1:00 p.m. to 9:00 p.m. Sun.	\$2.25 for 1 hour	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Broadview Avenue	East	First Avenue and Gerrard Street East	8:00 a.m. to 4:00 p.m., Mon. to Fri., 8:00 a.m. to 6:00 p.m., on Sat.	\$2.25 for 1 hour	3 hours
Broadview Avenue	East	Gerrard Street East and Simpson Avenue	8:00 a.m. to 3:30 p.m., Mon. to Fri., 8:00 a.m. to 6:00 p.m., on Sat.	\$2.25 for 1 hour	3 hours
Broadview Avenue	East	Danforth Avenue and Fairview Boulevard	9:00 a.m. to 3:30 p.m., Mon. to Fri., 8:00 a.m. to 6:00 p.m., on Sat.	\$1.50 for 1 hour	3 hours
Broadview Avenue	East	Simpson Avenue and Langley Avenue	8:00 a.m. to 3:30 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$1.50 for 1 hour	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
Kingston Road	North	Main Street and Walter Street	10:00 a.m. to 4:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$1.50 for 1 hour	3 hours
Kingston Road	North	Victoria Park Avenue and Scarborough Road	9:00 a.m. to 6:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$1.50 for 1 hour	3 hours
Kingston Road	North	Scarborough Road and Pickering Street	10:00 a.m. to 6:00 p.m., Mon. to Fri.; 8:00 a.m. to 6:00 p.m., Sat.	\$1.50 for 1 hour	3 hours
Kingston Road	South	Beech Avenue and Balsam Avenue	8:00 a.m. to 3:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours
Kingston Road	South	Victoria Park Avenue and Silver Birch Avenue	8:00 a.m. to 3:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	Broadview Avenue and Boulton Avenue	10:00 a.m. to 6:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	Pape Avenue and Vancouver Avenue	9:00 a.m. to 6:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours
Queen Street East	North	Pape Avenue and Carlaw Avenue	10:00 a.m. to 6:00 p.m. Mon. to Fri.; 8:00 a.m. to 6:00 p.m. Sat.	\$1.50 for 1 hour	3 hours

Highway	Side Parking	Between	Hours (daily as indicated below)	Fee/Time Limit	Maximum Parking Period
			10:00 a.m. to		
			4:00 p.m. Mon.		
		Munro Street and	to Fri.;		
Queen Street		Broadview	8:00 a.m. to	\$1.50 for	
East	North	Avenue	6:00 p.m. Sat.	1 hour	3 hours
			10:00 a.m. to		
		Booth Avenue	6:00 p.m. Mon.		
Queen Street		and Carlaw	to Fri.; 8:00 a.m.	\$1.50 for	
East	North	Avenue	to 6:00 p.m. Sat.	1 hour	3 hours
			9:00 a.m. to		
			3:30 p.m. Mon.		
		Broadview	to Fri.;		
Queen Street		Avenue and	8:00 a.m. to	\$1.50 for	
East	South	Saulter Street	6:00 p.m. Sat.	1 hour	3 hours
			9:00 a.m. to		
			3:30 p.m. Mon.		
		Carroll Street and	to Fri.;		
Queen Street		Broadview	8:00 a.m. to	\$1.50 for	
East	South	Avenue	6:00 p.m. Sat.	1 hour	3 hours
Queen Street East	South	Wineva Avenue and Silver Birch Avenue	8:00 a.m. to 4:00 p.m. and 6:00 p.m. to 9:00 p.m. Mon. to Fri.; 8:00 a.m. to 9:00 p.m. Sat.; 1:00 p.m. to 9:00 p.m. Sun.	\$2.25 for 1 hour	3 hours
Last	Bouth	Tivenue	7.00 p.m. bun.	1 Hour	3 nours
		A point 73.4 metres east	8:00 a.m. to 3:30 p.m. and 6:30 p.m. to 9:00 p.m. Mon. to Fri.; 8:00 a.m. to		
_		of Kippendavie	9:00 p.m. Sat.;		
Queen Street		Avenue and	1:00 p.m. to	\$2.25 for	
East	South	Wineva Avenue	9:00 p.m. Sun.	1 hour	3 hours

Permit Parking

Delete the following:

Street	Side	Location	Period	Time
		From Simpson	All times, except	
		Avenue to	no stopping from	
Broadview		Fairview	4:00 p.m. to 6:00	
Avenue	Odd	Boulevard	p.m. Mon. to Fri.	3:00 a.m. to 7:00 a.m.

Insert the following:

Street	Side	Location	Period	Time
		From Simpson		
Broadview		Avenue to		
Avenue		Fairview		
	Odd	Boulevard	All times	3:00 a.m. to 7:00 a.m.

Stands for Taxicabs

Delete the following:

Highway	Side	Location	Number of Taxicabs	Times and/or Days
				Anytime, except 7:00
Queen Street		Immediately east		a.m. to 9:00 a.m. and
East	North	of Munro Street	1	4:00 p.m. to 6:00 p.m.

No Parking

Delete the following:

Highway	Side	Between	Prohibited Times and/or Days
		Kippendavie	
		Avenue and a	
Queen Street		point 65.6 metres	
East	South	east	8:30 a.m. to 4:00 p.m., Mon. to Fri.

Highway	Side	Between	Prohibited Times and/or Days
		Kippendavie	
		Avenue and a	
Queen Street		point 65.6 metres	
East	South	east	Anytime

No Stopping

Delete the following:

Highway	Side	Between	Prohibited Times and/or Days
		Kintyre Avenue	
Broadview		and Danforth	4:00 p.m. to 6:00 p.m., Mon. to
Avenue	East	Avenue	Fri., except public holidays
		A point 87 metres	
		east of Glen	
Kingston		Manor Drive and	7:00 a.m. to 9:00 a.m., Mon. to
Road	North	Birchmount Road	Fri., except public holidays
		Queen Street East	
		and a point 31	
Kingston	North	metres east of	
Road	and	Glen Manor	7:00 a.m. to 9:00 a.m., Mon. to
	West	Drive	Fri., except public holidays
Kingston	South	Queen Street East	
Road	and	and Balsam	4:00 p.m. to 6:00 p.m., Mon. to
	East	Avenue	Fri., except public holidays
Kingston	South	Silver Birch	
Road	and	Avenue and	4:00 p.m. to 6:00 p.m., Mon. to
	East	Wood Glen Road	Fri., except public holidays
Queen Street		Jarvis Street and	7:00 a.m. to 9:00 a.m., Mon. to
East	North	Eastern Avenue	Fri., except public holidays
Queen Street		Jarvis Street and	4:00 p.m. to 6:00 p.m., Mon. to
East	South	Eastern Avenue	Fri., except public holidays
		Kingston Road	
Queen Street		and Nursewood	4:00 p.m. to 6:00 p.m., Mon. to
East	South	Road	Fri., except public holidays

Highway	Side	Between	Prohibited Times and/or Days
		Kintyre Avenue	
Broadview		and Gerrard	4:00 p.m. to 6:00 p.m., Mon. to
Avenue	East	Street East	Fri., except public holidays
		Gerrard Street	
		East and	
Broadview		Danforth	3:30 p.m. to 6:00 p.m., Mon. to
Avenue	East	Avenue	Fri., except public holidays
		A point 87 metres	
		east of Glen	
		Manor Drive and	
		Scarborough	
Kingston		Road	7:00 a.m. to 10:00 a.m., Mon. to
Road	North		Fri., except public holidays

		Scarborough	
Kingston		Road and	7:00 a.m. to 9:00 a.m., Mon. to
Road	North	Birchmount Road	Fri., except public holidays
Kingston	1,0101		Tin, theopt paens nonaujo
Road		Queen Street East	7:00 a.m. to 9:00 a.m., Mon. to
Roud	West	and Main Street	Fri., except public holidays
	*** CSC	Main Street and a	Tin, except public hondays
		point 31	
Kingston		metres east of	
Road	North	Glen Manor	7:00 a.m. to 10:00 a.m., Mon. to
Road	North	Drive	Fri., except public holidays
Kingston	South	Queen Street East	Thi, except public holidays
Road	and	and Glen Manor	4:00 n m to 6:00 n m Mon to
Koau		Drive	4:00 p.m. to 6:00 p.m., Mon. to
V:n aatan	East		Fri., except public holidays
Kingston	C 41-	Glen Manor	2:00 m m 4: 7:00 m m Man 4:
Road	South	Drive and	3:00 p.m. to 7:00 p.m., Mon. to
		Balsam Avenue	Fri., except public holidays
17.		Silver Birch	
Kingston	G d	Avenue and	2.00
Road	South	Victoria Park	3:00 p.m. to 7:00 p.m., Mon. to
***		Avenue	Fri., except public holidays
Kingston		Victoria Park	4.00
Road		Avenue and	4:00 p.m. to 6:00 p.m., Mon. to
	South	Wood Glen Road	Fri., except public holidays
Queen Street		Pape Avenue and	7:00 a.m. to 9:00 a.m., Mon. to
East	North	Eastern Avenue	Fri., except public holidays
Queen Street		Carroll Street and	7:00 a.m. to 10:00 a.m., Mon. to
East	North	Pape Avenue	Fri., except public holidays
Queen Street		Davies Avenue	7:00 a.m. to 9:00 a.m., Mon. to
East	North	and Carroll Street	Fri., except public holidays
		A point opposite	
Queen Street		King Street and	
East	North	Davies Avenue	Anytime
		Jarvis Street and	
Queen Street		a point opposite	7:00 a.m. to 9:00 a.m., Mon. to
East	North	King Street	Fri., except public holidays
Queen Street		Jarvis Street and	4:00 p.m. to 6:00 p.m., Mon. to
East	South	King Street	Fri., except public holidays
		King Street and	
Queen Street		East Don	
East	South	Roadway	Anytime
		East Don	
		Roadway and a	
Queen Street		point opposite	4:00 p.m. to 6:00 p.m., Mon. to
East	South	Carroll Street	Fri., except public holidays
		A point opposite	* *
Queen Street		Carroll Street and	3:30 p.m. to 6:30 p.m., Mon. to
East	South	McGee Street	Fri., except public holidays
			,

		McGee Street	
Queen Street		and Eastern	4:00 p.m. to 6:00 p.m., Mon. to
East	South	Avenue	Fri., except public holidays
		Kingston Road	
Queen Street		and Woodbine	4:00 p.m. to 6:00 p.m., Mon. to
East	South	Avenue	Fri., except public holidays
		Woodbine	
Queen Street		Avenue and	3:30 p.m. to 6:30 p.m., Mon. to
East	South	Wineva Avenue	Fri., except public holidays
		Wineva Avenue	
Queen Street		and Nursewood	4:00 p.m. to 6:00 p.m., Mon. to
East	South	Road	Fri., except public holidays

Parking for Restricted Periods

Delete the following:

			Time and/or	Maximum Period
Highway	Side	Location	Days	Permitted
		A point 30 metres		
		north of Gerrard	8:00 a.m. to 4:00	
		Street	p.m., Mon. to	
Broadview		East and Simpson	Fri.; 8:00 a.m. to	
Avenue	East	Avenue	6:00 p.m., Sat.	1 hour
		Malvern Avenue		
Kingston		and Hannaford	9:00 a.m. to 4:00	
Road	North	Street	p.m.	1 hour
			8:00 a.m. to 4:00	
			p.m., Mon. to	
Queen Street		River Street and	Fri.; 8:00 a.m. to	
East	North	Jones Avenue	6:00 p.m., Sat.	1 hour
		A point 32 metres		
		west of Sackville	8:00 a.m. to 4:00	
		Avenue and a	p.m., Mon. to	
Queen Street		point opposite	Fri.; 8:00 a.m. to	
East	South	Jones Avenue	6:00 p.m., Sat.	1 hour
		Leuty Avenue	8:00 a.m. to 4:00	
		and a point	p.m., Mon. to	
Queen Street		opposite	Fri.; 8:00 a.m. to	
East	South	Kingswood Road	6:00 p.m., Sat.	2 hours

Insert the following:

			Time and/or	Maximum Period
Highway	Side	Location	Days	Permitted
		Malvern Avenue		
Kingston		and Hannaford	10:00 a.m. to	
Road	North	Street	4:00 p.m.	1 hour
			9:00 a.m. to 4:00	
			p.m., Mon. to	
Queen Street		Davies Avenue	Fri.; 8:00 a.m. to	
East	North	and Carroll Street	6:00 p.m., Sat.	1 hour

No Standing

Delete the following:

Highway	Side	Between	Prohibited Times and/or Days
		Gerrard Street	
Broadview		East and a point	
Avenue	East	30 metres north	9:00 a.m. to 4:00 p.m., Mon. to Sat.

Insert the following:

Highway	Side	Between	Prohibited Times and/or Days
		Gerrard Street	
Broadview		East and a point	
Avenue	East	30 metres north	9:00 a.m. to 3:30 p.m., Mon. to Sat.

Prohibited Turns

Delete the following:

Intersection of Portion of		Turns	
Highway	Direction	Prohibited	Times and/or Days
Kingston			
Road and			
Balsam			7:00 a.m. to 9:00 a.m., Mon. to Fri. (buses
Avenue	Westbound	Left	excepted)
Kingston			
Road and			
Glen Manor			
Drive	Westbound	Left	7:00 a.m. to 9:00 a.m., Mon. to Fri.
Kingston			
Road and			
Silver Birch			
Ave	Westbound	Left	7:00 a.m. to 9:00 a.m., Mon. to Fri.

Kingston			
Road and			
Southwood			
Drive	Westbound	Left	7:00 a.m. to 9:00 a.m., Mon. to Fri.
Kingston			
Road and			
Winthorpe			
Road	Westbound	Left	7:00 a.m. to 9:00 a.m., Mon. to Fri.
Kingston			
Road and			
Scarborough			
Road	Westbound	Left	7:00 a.m. to 9:00 a.m., Mon. to Fri.
Broadview			
Avenue and			7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00
Queen Street			p.m., Mon. to Fri., except public holidays
East	Eastbound	Left	(T.T.C. vehicles excepted)
Broadview			
Avenue and			
Queen Street			7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00
East	Westbound	Left	p.m., Mon. to Fri., except public holidays
Woodbine			
Ave and	Eastbound		
Queen Street	and		7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00
East	Southbound	Left	p.m., Mon. to Fri., except public holidays

Intersection			
of Portion of		Turns	
Highway	Direction	Prohibited	Times and/or Days
Kingston			
Road and			
Balsam			7:00 a.m. to 10:00 a.m., Mon. to Fri. (buses
Avenue	Westbound	Left	excepted)
Kingston			
Road and			
Glen Manor			
Drive	Westbound	Left	7:00 a.m. to 10:00 a.m., Mon. to Fri.
Kingston			
Road and			
Silver Birch			
Ave	Westbound	Left	7:00 a.m. to 10:00 a.m., Mon. to Fri.
Kingston			
Road and			
Southwood			
Drive	Westbound	Left	7:00 a.m. to 10:00 a.m., Mon. to Fri.

17.			
Kingston			
Road and			
Winthorpe			
Road	Westbound	Left	7:00 a.m. to 10:00 a.m., Mon. to Fri.
Kingston			
Road and			
Scarborough			
Road	Westbound	Left	7:00 a.m. to 10:00 a.m., Mon. to Fri.
Broadview			
Avenue and			7:00 a.m. to 9:00 a.m. and 3:30 p.m. to 6:30
Queen Street			p.m., Mon. to Fri., except public holidays
East	Eastbound	Left	(T.T.C. vehicles excepted)
Broadview			
Avenue and			7:00 a.m. to 10:00 a.m. and 4:00 p.m. to
Queen Street			6:00 p.m., Mon. to Fri., except public
East	Westbound	Left	holidays
Woodbine			
Ave and			
Queen Street			7:00 a.m. to 9:00 a.m. and 3:30 p.m. to 6:30
East	Eastbound	Left	p.m., Mon. to Fri., except public holidays
Woodbine			
Ave and			
Queen Street			7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00
East	Southbound	Left	p.m., Mon. to Fri., except public holidays