



ttp consulting
transport planning specialists

Sangam GP Practice

**The Froud Centre, London
Borough of Newham**

Transport Statement

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1 INTRODUCTION

- 1.1 TTP Consulting has been appointed by the Sangam GP Practice (the Applicant) to provide traffic and transportation advice in relation to the proposed extension of hours at the approved GP Practice at The Froud Centre, located in the Manor Park area of the London Borough of Newham (LBN).
- 1.2 The Froud Centre is situated within a predominantly residential area, with commercial and employment land-uses nearby. It has frontage onto the A118 Romford Road which forms part of the strategic road network and is a public transport corridor offering access to numerous bus routes and nearby rail stations.
- 1.3 Planning permission was granted in June 2018 to convert the existing sports hall and one of the residential flats into a new GP Practice with 12 consulting rooms, 2 treatment rooms, reception, waiting, staff and ancillary areas and associated office space at second floor. The hours of operation allow opening between 08:00-18:30, Monday to Friday and between 09:00-13:00 on Saturday.
- 1.4 An application was submitted in December 2019 to vary the opening hours to allow the facility to open Monday to Friday, between 07:00-21:30 and on Saturday between 09:00-15:00. The intention was to operate up to 56 appointments per hour. The application was refused on the basis *"the proposed extension of opening hours would likely generate a significant increase in noise and disturbance to residents on Toronto Avenue by reason of the proposed GP Surgery entrance being located on this quiet residential street in combination with;*
- *A potential 504 additional two-way movements per day.*
 - *Increased levels of parking stress resulting outside of restricted RPZ control hours resulting in a lack of parking for local residents.*
 - *Vehicle movements directly outside of residential properties.*
 - *Car doors opening and closing and car engines starting and accelerating.*
- To the detriment of neighbouring residential amenity.*
- 1.5 A new application is now being submitted to vary the opening hours to between 08:00 and 21:30, Monday-Friday, and 08:00 and 20:00 on Saturdays and Sundays. The facility would only accommodate up to 9 appointments per hour during extended hours, which represents a significantly lower number of appointments than previously applied for.

1.6 This report quantifies and assesses the potential trip generation and parking demands associated with the extended hours of operation. It relies on data collected as part of previous applications which is still considered relevant given the situation associated with Covid-19.

1.7 The remainder of the report is set out as follows:

- Section 2 – describes the existing situation;
- Section 3 – assesses the potential impacts of the development; and
- Section 4 – provides a summary and conclusion.

2 EXISTING SITUATION

Site and Surrounding Area

- 2.1 The Froud Centre is situated on the eastern corner of Romford Road and Toronto Avenue. Planning permission was granted in June 2018 to convert the existing sports hall and one of the residential flats into a new GP Practice with 12 consulting rooms, 2 treatment rooms, reception, waiting, staff and ancillary areas and associated office space at second floor. The surgery is due to open in August 2021.
- 2.2 The local area comprises a mix of retail, residential and commercial uses, with the residential areas of Ilford, Cranbrook and Manor Park, and Ilford town centre located within 2 kilometres of the site.

Local Road Network

- 2.3 The A118 Romford Road connects to the North Circular Road to the east and to the A11 to the west. The A118 is a two-way carriageway with a parade of shops on either side with an intermittent eastbound bus lane provided on the northern side of the road and a westbound cycle lane on the southern side of the road. There is a mixture of single and double yellow line restrictions which prevent loading at different times and a number of short-stay parking opportunities within 100 metres walking distance of the site.
- 2.4 Toronto Avenue is a residential road connecting the A118 Romford Road in the south to Washington Avenue to the north. There are parking bays on both sides of the carriageway with double yellow lines and double kerb blips located close to the junction with the A118 Romford Road which prevent loading at any time. Traffic is subject to a 20mph speed limit.
- 2.5 Washington Avenue is a residential road running east to west connecting to Rabbits Road, Michigan Avenue, Oregon Avenue and Toronto Avenue to the south. There are resident permit parking bays on both sides with footways, street lighting and dropped kerbs at crossing locations also present.

On-Street Parking

- 2.6 The site is located within the 'Little Ilford' Controlled Park Zone (CPZ) for permit holders 'L'. This operates restrictions from Monday to Saturday between 09:00 and 17:00. Parking bays along Sixth Avenue, Seventh Avenue and Washington Avenue are predominantly resident permit holder only. Michigan Avenue, Fifth Avenue, Eight Avenue, Gloucester Road, Worcester Road, Toronto Avenue and Oregon Avenue provide permit holder bays shared with pay and display bays which permit a maximum duration of stay of 2 hours. Romford Road has parking bays which are restricted to a maximum stay of 30 minutes and no return within 2 hours.
- 2.7 The Manor Park CPZ is located approximately 320m south west of the site which is also in operation Monday to Saturday between 09:00 and 17:00. The nearest unrestricted parking to the site is approximately 400m east on Dersingham Avenue. A map illustrating the extent of the controlled parking zones is provided in **Appendix A**.
- 2.8 A parking survey was undertaken within an approximate 200m walking distance of the site on Wednesday 6th and Saturday 9th November 2019 in order to identify the parking demand and the daytime availability in the area. Recordings were taken between 06:00-09:00 and 17:00-23:00 on the Wednesday and between 12:00-16:00 on Saturday. The parking survey is under 2 years old and therefore still considered relevant for the purpose of this assessment, especially given the situation associated with Covid-19.
- 2.9 The results of the surveys are summarised at **Table 2.1** on the following page. Full copies of the parking beat surveys are included at **Appendix B**.
- 2.10 The parking survey recorded average occupancy levels of 76% outside of CPZ hours during the weekday and 72% during CPZ hours on a Saturday for non-permit only bays.

Table 2.1: Parking Survey Data			
Period	Total Spaces	Parked Cars	Occupancy (%)
<i>Weekday Opportunities (excluding resident only bays between 09:00 and 17:00)</i>			
06:00	436	350	80%
07:00	436	333	76%
08:00	436	318	73%
09:00*	262	164	63%
17:00*	436	308	71%
18:00	436	301	69%
19:00	436	314	72%
20:00	436	336	77%
21:00	436	343	79%
22:00	436	339	78%
23:00	436	341	78%
Average	436	331	76%
<i>Saturday Opportunities (excluding resident only bays)</i>			
12:00	262	186	71%
13:00	262	183	70%
14:00	262	189	72%
15:00	262	191	73%
16:00	262	197	75%
Average	262	189	72%
*within CPZ hours			

3 EFFECTS OF THE DEVELOPMENT

Proposed Development

- 3.1 The proposals seek to extend the hours of operation at the approved GP Practice. This would allow the facility to be open additionally between 18:30-21:30 Monday to Friday, between 08:00-09:00 and 13:00-20:00 on Saturday, and between 08:00-20:00 on Sunday. The Practice want to offer a wider range of appointment times to ensure access is available for all.
- 3.2 The extended hours proposed are intended for those who cannot easily take time off work and those who need support with childcare/want to attend with children out of school hours. As such, services for family planning and child support would be improved in the area. Furthermore, patients coming to the practice during these periods will often have general high health needs, and therefore the care given is seen as essential in improving the health and life expectancy/quality of life for residents of Newham.

Trip Generation

- 3.3 A first principles assessment has been undertaken to understand the level of trips associated with the practice during the extended hours of operation.
- 3.4 The Applicant has advised that only 2-3 consulting rooms would be used at any-one time, with 2-3 appointments per hour anticipated, based on a 20–30-minute slot for paramedics, pharmacists, physiotherapists, nurses, diabetes nurses and HCAs offering appointments. Covid has changed the way that the practice delivers care, with all patients being telephone triaged ahead of attending the practice. As such, the numbers attending for face-to-face appointments has reduced and those coming to the practice tend to come for longer appointments than the traditional 10 minutes, as their attendance indicates a requirement for further examination or investigation.
- 3.5 The proposed operations would allow for up to 9 appointments per hour resulting in on average 9 patient arrivals and 9 patient departures each hour with patients typically arriving 10-15 minutes before their appointment.
- 3.6 It has previously been assumed that 25% of patients would drive to the proposed practice, however, for robustness, if we assume 50% of patients chose to drove, there would be approximately 9 two-way vehicle movements during each of the extended hours, with the remainder of trips undertaken by non-car modes.

- 3.7 The level of additional activity generated by the proposed extension of hours is low and therefore unlikely to have a material impact on the highway or public transport networks especially when considered in context with average annual daily vehicle flows on the A118 Romford Road, and given the number of public transport services operating in the local area.

Parking

Patient Car Parking

- 3.8 No on-site car parking is proposed and therefore all parking demand is likely to take place on-street, as per the approved scheme.
- 3.9 The results of the parking surveys, as outlined in Section 2, indicate that there were on average 331 cars parked outside of CPZ hours on a weekday (76% occupancy) and 189 cars parked during CPZ hours in non-permit opportunities on a Saturday (72% occupancy).
- 3.10 The proposed nature of the GP practice is such that for each consulting room, 1 patient is likely to be waiting for an appointment, 1 patient is likely to be with a GP, 1 patient is likely to be on their way out. This suggests that there is likely to be circa 3 times the number of patients for each consulting room which would equate to 9 patients at or in the vicinity of the practice (based on 3 consulting rooms) at one time. Based on the modal split data (50% car drivers), it is reasonable to assume that there would be a parking accumulation of 4-5 vehicles associated with the practice during extended hours.
- 3.11 If consideration is given to the parking occupancy levels presented in Section 2, an additional 5 vehicles during the weekday evening period would increase average occupancy levels from 76% to 77%.
- 3.12 On a Saturday, during CPZ hours (09:00-17:00), the occupancy levels of non-permit spaces would rise from 72% to 74%. Outside of CPZ hours (before 09:00 and after 17:00), i.e. when there is a greater supply of parking, occupancy levels are likely to be similar to weekday levels and therefore unlikely to be affected by the addition of 5 vehicles.
- 3.13 Whilst no parking data is available for the Sunday period, CPZ restrictions are not in place on a Sunday and therefore parking opportunities for visitors are greater in supply. As such, the addition of 5 vehicles is therefore unlikely to affect parking availability in the local area. This is a reasonable assumption given the parking surveys demonstrate that there was spare capacity at all surveyed times.

- 3.14 Based on the above, the proposed extension of hours is not expected to generate a harmful level of additional parking demand, nor is it expected to detrimentally affect parking availability in the local area for local residents.

Clinician Parking

- 3.15 During extended hours the facility would only accommodate up to 3 extra clinicians and therefore there is potential for only 3 additional vehicles parked on-street. This additional parking demand is low and not expected to materially impact occupancy levels, especially given parking surveys demonstrate spare capacity on-street.

4 SUMMARY AND CONCLUSION

Summary

4.1 TTP Consulting has been appointed by the Sangam GP Practice to provide traffic and transportation advice in relation to the proposed extension of hours at the approved GP Practice at The Froud Centre.

4.2 In summary:

- The trip generation assessment suggests that the proposals would generate 9 two-way vehicle movements during each extended hour of operation. This level of activity is low and not expected to create a material impact on the highway network.
- The anticipated number of public transport trips is sufficiently low that it is unlikely to have an impact on the existing level of services operating in the local area.
- No on-site parking is proposed for the GP Practice with any parking demand expected to take place on-street. The assessment suggests there would be 5 additional vehicles parked at any one time during each extended hour. This increase is not expected to impact parking availability in the local area given surveys demonstrate spare capacity at all times.
- The extended hours will accommodate up to 3 extra vehicles associated with clinicians. This demand is unlikely to affect occupancy levels given there is still spare capacity on local streets.

Conclusion

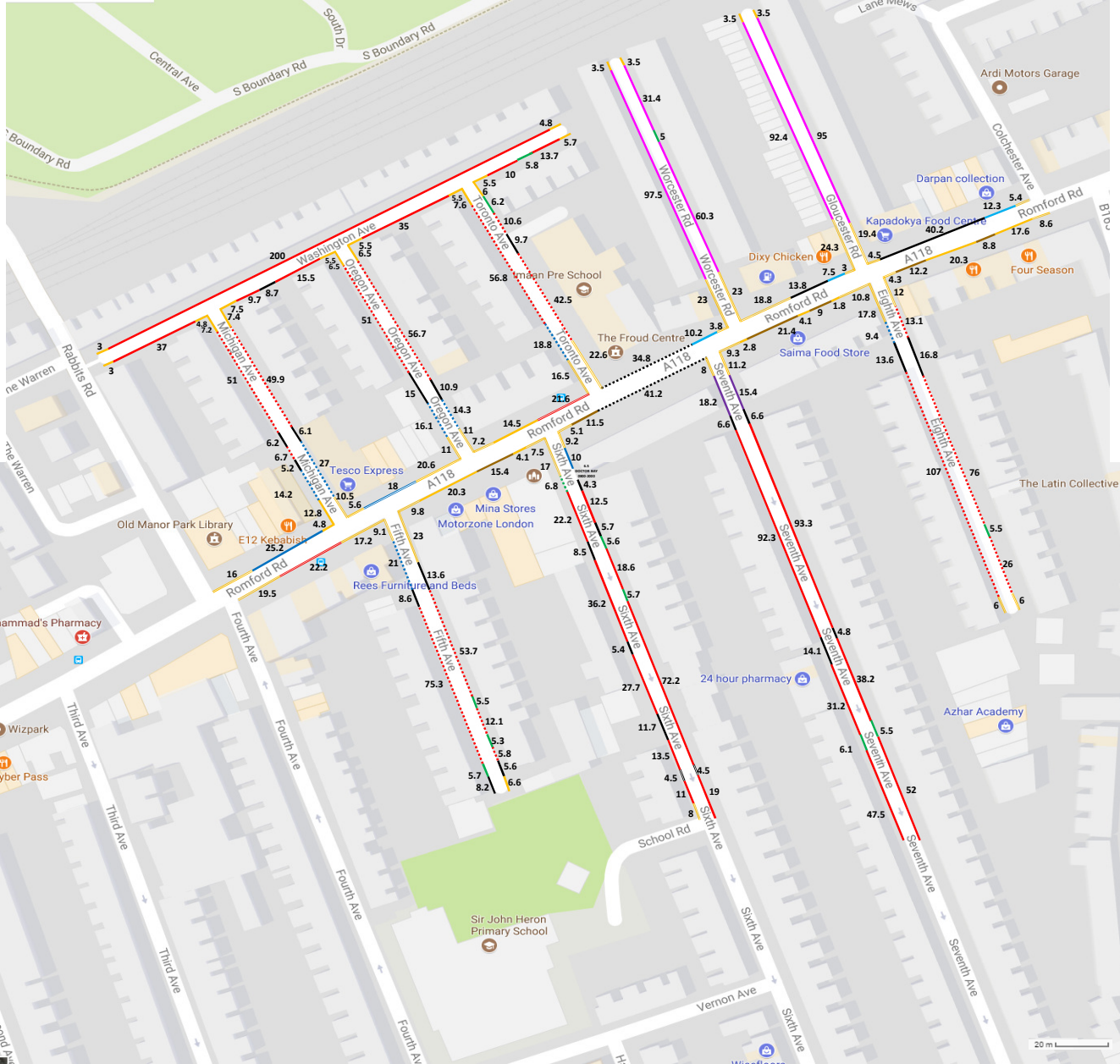
4.3 In conclusion, it is considered that the proposed extension of hours is reasonable and appropriate for the location and that there are no reasons why the development proposals should not be granted planning permission on traffic and transport grounds. Furthermore, it will be in accordance with the requirements of the National Planning Policy Framework which states at Paragraph 109 that:

"Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network would be severe".

Appendix A



Appendix B



- KEY:
- = SINGLE YELLOW LINE
 - = PERMIT HOLDERS MON-SAT 0900-1700
 - = P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 0900-1700
 - = DROP KERB
 - = DOUBLE YELLOW LINES
 - = PARKING BAY MON-SAT 30 MINS NO RETRUN WITHIN 2 HOURS
 - = DISABLED BAY
 - = DISABLED BAY 0800-2000 3 HOURS NO RETURN WITHIN 2 HOURS
 - = BUILT OUT KERB
 - = PARKING BAY MON-SAT 0800-1830 30 MINS NO RETURN WITHIN 1 HOUR
 - = PARKING BAY ON FOOTWAY MON-SAT 0700-1900 30 MINS NO RETURN WITHIN 2 HOURS
 - = PERMIT HOLDERS ON PAY MAX 2 HOURS PARKING 1/2 C/W & 1/2 F/W
 - = PAY & DISPLAY MON-SAT 0900-1700 MAX 2 HOURS
 - = PARKING BAY MON-SAT 1100-1900 30 MINS NO RETURN WITHIN 2 HOURS & LOADING MON-SAT 0700-1100
 - = PARKING BAY MON-SAT 0700-1900 30 MINS NO RETRUN WITHIN 2 HOURS
 - = PEDESTRIAN CROSSING

DATE : 6th NOVEMBER 2019

DAY : WEDNESDAY

LOCATION : TORONTO AVE, NEWHAM

LOCATION : TORONTO AVE, NEWHAM					WEDNESDAY 6th NOVEMBER 2019											
					06:00			07:00			08:00			09:00		
ROAD NAME	ZONE	RESTRICTION	METRES	5METRES + 1 SPACE	PARIED		RESTRICTION STRESS	PARIED		RESTRICTION STRESS	PARIED		RESTRICTION STRESS	PARIED		RESTRICTION STRESS
WASHINGTON AVE	1	SINGLE YELLOW LINES PERMIT HOLDERS MON-SAT 9AM-5PM	7.8 37	7	5		71.4%	6		85.7%	6		85.7%	5		71.4%
MICHIGAN AVE	2	P&D MAX 2HRS	20.9	4	2		50.0%	3		75.0%	2		50.0%	2		50.0%
		SINGLE YELLOW LINES	20													
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	51	10	10		100.0%	10		100.0%	9		90.0%	9		90.0%
		DROP KERB	11.4													
ROMFORD RD	3	SINGLE YELLOW LINES	4.8													
		PARKING BAY MON-SAT 30MINS-NO RETURN WITHIN 2HRS	25.2	5	1		20.0%	3		60.0%	3		60.0%	3		60.0%
		DOUBLE YELLOW LINES	16													
		DOUBLE YELLOW LINES	36.7													
	4	BUS STOP	22.2													
FIFTH AVE	5	DOUBLE YELLOW LINES	9.1		1											
		P&D MAX 2HRS	21	4	2		50.0%	2		50.0%	2		50.0%	0		0.0%
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	75.3	15	12		80.0%	11		73.3%	11		73.3%	14		93.3%
		DROP KERB	16.8		1											
	DISABLED BAY	5.7	1	1		100.0%	1		100.0%	1		100.0%	1		100.0%	
	SINGLE YELLOW LINES	6.6		1												
	DROP KERB	19.2														
	P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	71.6	13	13		100.0%	13		100.0%	13		100.0%	13		100.0%	
ROMFORD RD	7	DISABLED BAY	10.8	2	1		50.0%	2		100.0%	2		100.0%	1		50.0%
		DOUBLE YELLOW LINES	23													
		DOUBLE YELLOW LINES	17.3													
		MON-SAT 7AM-7PM NO LOADING MON-SAT 7AM-10AM SINGLE YELLOW LINES	24.4													
SIXTH AVE	8	30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	15.4	3	1		33.3%	0		0.0%	0		0.0%	1		33.3%
		DOUBLE YELLOW LINES	25													
		8AM-8PM 3HRS-NO RETURN WITHIN 2HRS- DISABLED BAY	6.8	1	0		0.0%	1		100.0%	1		100.0%	0		0.0%
		PERMIT HOLDERS MON-SAT 9AM-5PM	110.6	20	16		80.0%	18		90.0%	19		95.0%	19		95.0%
	9	DROP KERB	25.6		2											
		BUILT OUT KERB	4.5													
		PERMIT HOLDERS MON-SAT 9AM-5PM	122.3	24	21		87.5%	20		83.3%	21		87.5%	22		91.7%
		BUILT OUT KERB	4.5													
		DISABLED BAY	11.3	2	2		100.0%	2		100.0%	1		50.0%	2		100.0%
		DROP KERB	10													
		DOCTOR BAY 8AM-8PM	6.5	1	0		0.0%	0		0.0%	0		0.0%	1		100.0%
		PARKING BAY MON-SAT 30MINS-NO RETURN WITHIN 2HRS	10	2	0		0.0%	0		0.0%	1		50.0%	1		50.0%
ROMFORD RD	10	DOUBLE YELLOW LINES	9.2													
		DOUBLE YELLOW LINES	5.1													
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	11.5	2	0		0.0%	0		0.0%	0		0.0%	2		100.0%
		PEDESTRIAN CROSSING	41.2													
SEVENTH AVE	11	DOUBLE YELLOW LINES	8													
		BAY PARKING- MON-SAT 8AM-630PM 30MINS NO RETURN WITHIN 1HR	18.2	3	3		100.0%	2		66.7%	2		66.7%	1		33.3%
		DISABLED BAY	6.1	1	1		100.0%	1		100.0%	1		100.0%	1		100.0%
		DROP KERB	20.7	33	28		84.8%	27		81.8%	25		75.8%	26		78.8%
	PERMIT HOLDERS MON-SAT 9AM-5PM	171	35	29		82.9%	28		80.0%	27		77.1%	21		60.0%	
	PERMIT HOLDERS MON-SAT 9AM-5PM	183.5	35	28												
	DISABLED BAY	5.5	1	1		100.0%	1		100.0%	1		100.0%	1		100.0%	
	DROP KERB	11.4														
ROMFORD RD	12	BAY PARKING- MON-SAT 8AM-630PM 30MINS NO RETURN WITHIN 1HR	15.4	3	1		33.3%	1		33.3%	0		0.0%	0		0.0%
		DOUBLE YELLOW LINES	11.2													
		DOUBLE YELLOW LINES	20.1													
		MON-SAT 7AM-7PM NO LOADING MON-SAT 7AM-10AM SINGLE YELLOW LINES	8.7													
EIGHTH AVE	13	30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	30.4	5	0		0.0%	0		0.0%	1		20.0%	1		20.0%
		DOUBLE YELLOW LINES	9.4	1	1		100.0%	1		100.0%	1		100.0%	0		0.0%
		P&D MAX 2HRS	23.8													
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	107	21	17		81.0%	17		81.0%	17		81.0%	14		66.7%
	14	DROP KERB	13.6													
		DOUBLE YELLOW LINES	18													
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	115.1	22	20		90.9%	17		77.3%	17		77.3%	15		68.2%
		DISABLED BAY	5.5	1	1		100.0%	1		100.0%	1		100.0%	1		100.0%
	15	DROP KERB	16.8													
		DOUBLE YELLOW LINES	12.9													
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	21	3	0		0.0%	1		33.3%	0		0.0%	1		33.3%
		NO LOADING MON-SAT 7AM-10AM&4PM-7PM- SINGLE YELLOW LINES MON-SAT 7AM-7PM	37.9													
ROMFORD RD	16	DOUBLE YELLOW LINES	9.9													
		PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	12.3	2	1		50.0%	1		50.0%	2		100.0%	2		100.0%
		DROP KERB	40.2		1											
		DOUBLE YELLOW LINES	19.4													
GLOUCESTER RD	17	PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	95	19	15		78.9%	13		68.4%	13		68.4%	11		57.9%
		SINGLE YELLOW LINES	3.5													
		SINGLE YELLOW LINES	3.5													
		PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	92.4	18	15		83.3%	14		77.8%	9		50.0%	7		38.9%
ROMFORD RD	18	DOUBLE YELLOW LINES	24.3													
		DOUBLE YELLOW LINES	21.8													
		PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	7.5	1	1		100.0%	1		100.0%	1		100.0%	1		100.0%
		DROP KERB	13.8													
	19	DOUBLE YELLOW LINES	23													
		PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	91.7	18	14		77.8%	11		61.1%	12		66.7%	9		50.0%
		DISABLED BAY	5	1	1		100.0%	1		100.0%	1		100.0%	1		100.0%
		SINGLE YELLOW LINES	3.5													
WORCESTER RD	20	SINGLE YELLOW LINES	3.5													
		PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	97.5	19	13		68.4%	12		63.2%	12		63.2%	9		47.4%
		DOUBLE YELLOW LINES	23													
		DOUBLE YELLOW LINES	3.8													
ROMFORD RD	21	PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	10.2	2	0		0.0%	0		0.0%	0		0.0%	2		100.0%
		PEDESTRIAN CROSSING	34.8													
		DOUBLE YELLOW LINES	22.6													
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	53.1	10	10		100.0%	10		100.0%	8		80.0%	8		80.0%
TORONTO AVE	22	DROP KERB	9.7													
		DISABLED BAY	6.2	1	0		0.0%	0		0.0%	0		0.0%	0		0.0%
		SINGLE YELLOW LINES	6													
		SINGLE YELLOW LINES	7.6													
	23	P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	56.8	11	10		90.9%	9		81.8%	9		81.8%	6		54.5%
		P&D MON-SAT 9AM-5PM MAX 2HRS	18.8	3	3		100.0%	3		100.0%	3		100.0%	1		33.3%
		DOUBLE YELLOW LINES	16.5													
		BUS STOP	21.6													
ROMFORD RD	24	NO LOADING MON-SAT 7AM-10AM&4PM-7PM- SINGLE YELLOW LINES MON-SAT 7AM-7PM	14.5													
		DOUBLE YELLOW LINES	7.2													
		DOUBLE YELLOW LINES	11													
		P&D MON-SAT 9AM-5PM MAX 2HRS	14.3	2	2		100.0%	2		100.0%	1		50.0%	1		50.0%
OREGON RD	25	DROP KERB	10.9													
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	56.7	11	9		81.8%	8		72.7%	8		72.7%	8		72.7%
		SINGLE YELLOW LINES	6.5													
		SINGLE YELLOW LINES	6.5													
	26	P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	51	10	9		90.0%	9		90.0%	9		90.0%	8		80.0%
		DROP KERB	15		1											
		P&D MON-SAT 9AM-5PM MAX 2HRS	16.1	3	3		100.0%	1		33.3%	2		66.7%	2		66.7%
		DOUBLE YELLOW LINES	11													
ROMFORD RD	27	DOUBLE YELLOW LINES	26.2													
		PARKING BAY MON-SAT 11AM-7PM 30 MINS- NO RETRNR WITHIN 2HRS&LOADING MON-SAT 7AM-11AM	18	3	3		100.0%	2		66.7%	2		66.7%	2		66.7%
		DOUBLE YELLOW LINES	10.5													
		P&D MON-SAT 9AM-5PM MAX 2HRS	27	5	3		60.0%	3		60.0%	2		40.0%	2		40.0%
MICHIGAN AVE	28	DROP KERB	6.1													
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	49.9	9	9		100.0%	8		88.9%	7		77.8%	8		88.9%
		SINGLE YELLOW LINES	7.4		1											
		SINGLE YELLOW LINES	13		1											
	29	PERMIT HOLDERS MON-SAT 9AM-5PM	25.2	4	5		125.0%	4		100.0%	4		100.0%	3		75.0%
		DROP KERB	8.7													
		SINGLE YELLOW LINES	11		1											
		PERMIT HOLDERS MON-SAT 9AM-5PM	35	7	5		71.4%	6		85.7%	5		71.4%	4		57.1%
WASHINGTON AVE	30	SINGLE YELLOW LINES	11.2		1											
		PERMIT HOLDERS MON-SAT 9AM-5PM	11.2		1											
		DISABLED BAY	5.8	1	1		100.0%	1		100.0%	1		100.0%	1		100.0%
		PERMIT HOLDERS MON-SAT 9AM-5PM	23.7	4	5		125.0%	5		125.0%	4		100.0%	3		75.0%
	31	SINGLE YELLOW LINES	7.8													
		PERMIT HOLDERS MON-SAT 9AM-5PM	200	40	33		82.5%	31								

K&M TRAFFIC SURVEYS

DATE : 6th NOVEMBER 2019

DAY : WEDNESDAY

LOCATION : TORONTO AVE, NEHWAM

LOCATION : TORONTO AVE, NEWHAM					WEDNESDAY 6th NOVEMBER 2019															
ROAD NAME	ZONE	RESTRICTION	METRES	5METRES = 1 SPACE	PARKED	17:00		18:00		19:00		20:00		21:00		22:00		23:00		
						%STRICTO N STRESS	PARKED	%STRICTO N STRESS	PARKED	%STRICTO N STRESS	PARKED	%STRICTO N STRESS	PARKED	%STRICTO N STRESS	PARKED	%STRICTO N STRESS	PARKED	%STRICTO N STRESS		
WASHINGTON AVE	1	SINGLE YELLOW LINES	7.8																	
		PERMIT HOLDERS MON-SAT 9AM-5PM	37	7	5	71.4%	4	57.1%	5	71.4%	5	71.4%	5	71.4%	5	71.4%	5	71.4%	5	71.4%
MICHIGAN AVE	2	P&D MAX 2HRS	20.9	4	3	75.0%	3	75.0%	3	75.0%	4	100.0%	3	75.0%	3	75.0%	3	75.0%	3	75.0%
		SINGLE YELLOW LINES	20																	
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	51	10	6	60.0%	6	60.0%	6	60.0%	8	80.0%	8	80.0%	8	80.0%	7	70.0%	7	70.0%
		DROP KERB	11.4		1		1	2	2		2		2		2		2		2	
ROMFORD RD	3	SINGLE YELLOW LINES	4.8																	
		PARKING BAY MON-SAT 30MINS-NO RETURN WITHIN 2HRS	25.2	5	4	80.0%	4	80.0%	4	80.0%	4	80.0%	3	60.0%	3	60.0%	3	60.0%	3	60.0%
		DOUBLE YELLOW LINES	16																	
		DOUBLE YELLOW LINES	36.7																	
		BUS STOP	22.2																	
		DOUBLE YELLOW LINES	9.1																	
		P&D MAX 2HRS	21	4	3	75.0%	3	75.0%	3	75.0%	1	25.0%	2	50.0%	3	75.0%	3	75.0%	3	75.0%
FIFTH AVE	5	P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	75.3	15	11	73.3%	12	80.0%	12	80.0%	13	86.7%	13	86.7%	12	80.0%	12	80.0%	12	80.0%
		DROP KERB	16.8																	
		DISABLED BAY	5.7	1	0	0.0%	0	0.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
		SINGLE YELLOW LINES	6.6		1		2	2		1		1		1		1		1		
		DROP KERB	19.2		1		1	1		1		1		1		1		1		
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	71.6	13	12	92.3%	12	92.3%	12	92.3%	13	100.0%	13	100.0%	13	100.0%	13	100.0%	13	100.0%
		DISABLED BAY	10.8	2	2	100.0%	2	100.0%	2	100.0%	2	100.0%	2	100.0%	2	100.0%	2	100.0%	2	100.0%
		DOUBLE YELLOW LINES	23		1		1	1		1		1		1		1		1		
ROMFORD RD	7	DOUBLE YELLOW LINES	17.3																	
		MON-SAT 7AM-7PM NO LOADING MON-SAT 7AM-10AM SINGLE YELLOW LINES	24.4																	
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	15.4	3	2	66.7%	2	66.7%	2	66.7%	0	0.0%	1	33.3%	1	33.3%	1	33.3%	1	33.3%
		DOUBLE YELLOW LINES	25																	
		8AM-8PM 3HRS-NO RETURN WITHIN 2HRS- DISABLED BAY	6.8	1	1	100.0%	1	100.0%	1	100.0%	0	0.0%	0	0.0%	1	100.0%	1	100.0%	1	100.0%
		PERMIT HOLDERS MON-SAT 9AM-5PM	110.6	20	15	75.0%	14	70.0%	14	70.0%	16	80.0%	18	90.0%	20	100.0%	20	100.0%	20	100.0%
		DROP KERB	25.6												1		2			
		BUILT OUT KERB	4.5																	
		PERMIT HOLDERS MON-SAT 9AM-5PM	122.3	24	19	79.2%	19	79.2%	19	79.2%	19	79.2%	20	83.3%	22	91.7%	22	91.7%	22	91.7%
		BUILT OUT KERB	4.5																	
		DISABLED BAY	11.3	2	1	50.0%	1	50.0%	1	50.0%	1	50.0%	1	50.0%	1	50.0%	1	50.0%	1	50.0%
		DROP KERB	10																	
		DOCTOR BAY 8AM-8PM	6.5	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
		PARKING BAY MON-SAT 30MINS-NO RETURN WITHIN 2HRS	10	2	1	50.0%	1	50.0%	1	50.0%	0	0.0%	0	0.0%	1	50.0%	1	50.0%	1	50.0%
		DOUBLE YELLOW LINES	9.2																	
ROMFORD RD	10	DOUBLE YELLOW LINES	5.1																	
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	11.5	2	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
		PEDESTRIAN CROSSING	41.2																	
		DOUBLE YELLOW LINES	8																	
		BAY PARKING- MON-SAT 8AM-630PM 30MINS NO RETURN WITHIN 1HR	18.2	3	0	0.0%	0	0.0%	0	0.0%	3	100.0%	3	100.0%	1	33.3%	1	33.3%	1	33.3%
		DISABLED BAY	6.1	1	1	100.0%	1	100.0%	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
		DROP KERB	20.7																	
		PERMIT HOLDERS MON-SAT 9AM-5PM	171	33	16	48.5%	16	48.5%	17	51.5%	18	54.5%	22	66.7%	24	72.7%	24	72.7%	24	72.7%
		PERMIT HOLDERS MON-SAT 9AM-5PM	183.5	35	22	62.9%	20	57.1%	22	62.9%	24	68.6%	23	65.7%	22	62.9%	22	62.9%	22	62.9%
		DISABLED BAY	5.5	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
		DROP KERB	11.4																	
		BAY PARKING- MON-SAT 8AM-630PM 30MINS NO RETURN WITHIN 1HR	15.4	3	1	33.3%	1	33.3%	1	33.3%	1	33.3%	1	33.3%	1	33.3%	1	33.3%	1	33.3%
		DOUBLE YELLOW LINES	11.2																	
ROMFORD RD	13	DOUBLE YELLOW LINES	20.1																	
		MON-SAT 7AM-7PM NO LOADING MON-SAT 7AM-10AM SINGLE YELLOW LINES	8.7																	
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	30.4	5	4	80.0%	4	80.0%	3	60.0%	3	60.0%	2	40.0%	1	20.0%	1	20.0%	1	20.0%
		P&D MAX 2HRS	9.4	1	1	100.0%	1	100.0%	2	200.0%	2	200.0%	2	200.0%	2	200.0%	2	200.0%	2	200.0%
		DOUBLE YELLOW LINES	23.8																	
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	107	21	19	90.5%	19	90.5%	19	90.5%	20	95.2%	19	90.5%	16	76.2%	16	76.2%	16	76.2%
		DROP KERB	13.6		1		1	2		1		1		2		2		1		
		DOUBLE YELLOW LINES	18																	
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	115.1	22	19	86.4%	18	81.8%	19	86.4%	20	90.9%	20	90.9%	19	86.4%	19	86.4%	19	86.4%
		DISABLED BAY	5.5	1	0	0.0%	0	0.0%	1	100.0%	1	100.0%	1	100.0%	1	100.0%	1	100.0%	1	100.0%
		DROP KERB	16.8		1		1	1		1		1		1		1		1		
ROMFORD RD	16	DOUBLE YELLOW LINES	12.9																	
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	21	3	3	100.0%	3	100.0%	3	100.0%	3	100.0%	3	100.0%	3	100.0%	3	100.0%	3	100.0%
		NO LOADING MON-SAT 7AM-10AM&4PM-7PM- SINGLE YELLOW LINES MON-SAT 7AM-7PM	37.9																	
		DOUBLE YELLOW LINES	9.9												2		2			
		PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	12.3	2	2	100.0%	2	100.0%	2	100.0%	2	100.0%	2	100.0%	1	50.0%	1	50.0%	1	50.0%
		DROP KERB	40.2																	
		DOUBLE YELLOW LINES	19.4																	
GLoucester RD	18	PARKING 1/2 C/W-1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	95	19	10	52.6%	9	47.4%	11	57.9%	11	57.9%	12	63.2%	13	68.4%	13	68.4%	13	68.4%
		SINGLE YELLOW LINES	3.5																	
		SINGLE YELLOW LINES	3.5																	
		PARKING 1/2 C/W-1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	92.4	18	9	50.0%	9	50.0%	10	55.6%	10	55.6%	10	55.6%	11	61.1%	12	66.7%	12	66.7%
		DOUBLE YELLOW LINES	24.3																	
ROMFORD RD	20	DOUBLE YELLOW LINES	21.8																	
		PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	7.5	1	1	100.0%	1	100.0%	2	200.0%	2	200.0%	2	200.0%	2</					

K&M TRAFFIC SURVEYS

DATE : 9th NOVEMBER 2019

DAY : SATURDAY

LOCATION : TORONTO AVE, NEWHAM

LOCATION : TORONTO AVE, NEWHAM					SATURDAY 9th NOVEMBER 2019													
					12:00		13:00		14:00		15:00		16:00					
ROAD NAME	ZONE	RESTRICTION	METRES	5METRES = 1 SPACE	PARKED	%RESTRICTO N A STRESS	PARKED	%RESTRICTO N A STRESS	PARKED	%RESTRICTO N A STRESS	PARKED	%RESTRICTO N A STRESS	PARKED	%RESTRICTO N A STRESS				
WASHINGTON AVE	1	SINGLE YELLOW LINES	7.8		1													
		PERMIT HOLDERS MON-SAT 9AM-5PM	37	7	6	85.7%	5	71.4%	4	57.1%	5	71.4%	3	42.9%				
MICHIGAN AVE	2	P&D MAX 2HRS	20.9	4	4	100.0%	4	100.0%	3	75.0%	3	75.0%	4	100.0%				
		SINGLE YELLOW LINES	20					1		1		2						
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	51	10	8	80.0%	8	80.0%	9	90.0%	8	80.0%	7	70.0%				
		DROP KERB	11.4		1					1		1						
ROMFORD RD	3	SINGLE YELLOW LINES	4.8															
		PARKING BAY MON-SAT 30MINS-NO RETURN WITHIN 2HRS	25.2	5	4	80.0%	3	60.0%	4	80.0%	4	80.0%	4	80.0%				
		DOUBLE YELLOW LINES	16															
	4	DOUBLE YELLOW LINES	36.7															
		BUS STOP	22.2															
FIFTH AVE	5	DOUBLE YELLOW LINES	9.1	4	3	75.0%	3	75.0%	3	75.0%	2	50.0%	3	75.0%				
		P&D MAX 2HRS	21	4	3	75.0%	3	75.0%	3	75.0%	2	50.0%	3	75.0%				
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	75.3	15	12	80.0%	12	80.0%	12	80.0%	11	73.3%	12	80.0%				
		DROP KERB	16.8				1		1		2		2					
		DISABLED BAY	5.7	1	1	100.0%	0	0.0%	0	0.0%	1	100.0%	0	0.0%				
		SINGLE YELLOW LINES	6.6		1				1		1		1					
		DROP KERB	19.2								2		2					
	6	P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	71.6	13	13	100.0%	13	100.0%	13	100.0%	11	84.6%	13	100.0%				
		DISABLED BAY	10.8	2	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%				
		DOUBLE YELLOW LINES	23															
ROMFORD RD	7	DOUBLE YELLOW LINES	17.3															
		MON-SAT 7AM-7PM NO LOADING MON-SAT 7AM-10AM SINGLE YELLOW LINES	24.4															
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	15.4	3	2	66.7%	2	66.7%	2	66.7%	2	66.7%	2	66.7%				
SIXTH AVE	8	DOUBLE YELLOW LINES	25															
		8AM-8PM 3HRS-NO RETURN WITHIN 2HRS- DISABLED BAY	6.8	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%				
		PERMIT HOLDERS MON-SAT 9AM-5PM	110.6	20	18	90.0%	17	85.0%	17	85.0%	16	80.0%	19	95.0%				
		DROP KERB	25.6				1											
		BUILT OUT KERB	4.5															
		PERMIT HOLDERS MON-SAT 9AM-5PM	122.3	24	18	75.0%	20	83.3%	20	83.3%	20	83.3%	19	79.2%				
		BUILT OUT KERB	4.5															
		DISABLED BAY	11.3	2	2	100.0%	2	100.0%	2	100.0%	1	50.0%	1	50.0%				
	9	DROP KERB	10				1											
		DOCTOR BAY 8AM-8PM	6.5	1	0	0.0%	0	0.0%	0	0.0%	1	100.0%	1	100.0%				
		PARKING BAY MON-SAT 30MINS-NO RETURN WITHIN 2HRS	10	2	2	100.0%	1	50.0%	1	50.0%	1	50.0%	2	100.0%				
		DOUBLE YELLOW LINES	9.2															
ROMFORD RD	10	DOUBLE YELLOW LINES	5.1															
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	11.5	2	0	0.0%	2	100.0%	2	100.0%	1	50.0%	1	50.0%				
		PEDESTRIAN CROSSING	41.2															
SEVENTH AVE	11	DOUBLE YELLOW LINES	8															
		BAY PARKING- MON-SAT 8AM-630PM 30MINS NO RETURN WITHIN 1HR	18.2	3	0	0.0%	0	0.0%	2	66.7%	0	0.0%	2	66.7%				
		DISABLED BAY	6.1	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%				
		DROP KERB	20.7															
		PERMIT HOLDERS MON-SAT 9AM-5PM	171	33	23	69.7%	22	66.7%	22	66.7%	25	75.8%	22	66.7%				
		PERMIT HOLDERS MON-SAT 9AM-5PM	183.5	35	22	62.9%	18	51.4%	26	74.3%	26	74.3%	25	71.4%				
		DISABLED BAY	5.5	1	1	100.0%	0	0.0%	1	100.0%	1	100.0%	1	100.0%				
	12	DROP KERB	11.4															
		BAY PARKING- MON-SAT 8AM-630PM 30MINS NO RETURN WITHIN 1HR	15.4	3	0	0.0%	0	0.0%	1	33.3%	2	66.7%	1	33.3%				
		DOUBLE YELLOW LINES	11.2															
ROMFORD RD	13	DOUBLE YELLOW LINES	20.1															
		MON-SAT 7AM-7PM NO LOADING MON-SAT 7AM-10AM SINGLE YELLOW LINES	8.7															
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	30.4	5	2	40.0%	3	60.0%	3	60.0%	3	60.0%	4	80.0%				
EIGHTH AVE	14	P&D MAX 2HRS	9.4	1	2	200.0%	2	200.0%	2	200.0%	2	200.0%	2	200.0%				
		DOUBLE YELLOW LINES	23.8															
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	107	21	12	57.1%	12	57.1%	11	52.4%	18	85.7%	18	85.7%				
		DROP KERB	13.6		1		1		2		2		1					
		DOUBLE YELLOW LINES	18															
	15	P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	115.1	22	17	77.3%	17	77.3%	16	72.7%	19	86.4%	18	81.8%				
		DISABLED BAY	5.5	1	0	0.0%	0	0.0%	1	100.0%	1	100.0%	1	100.0%				
		DROP KERB	16.8				1		2		1		1					
ROMFORD RD	16	DOUBLE YELLOW LINES	12.9															
		30MINS 7AM-7PM MON-SAT PARKING BAY NO RETURN WITHIN 2HRS	21	3	2	66.7%	2	66.7%	3	100.0%	3	100.0%	3	100.0%				
		NO LOADING MON-SAT 7AM-10AM&4PM-7PM- SINGLE YELLOW LINES MON-SAT 7AM-7PM	37.9															
		DOUBLE YELLOW LINES	9.9															
	17	PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	12.3	2	2	100.0%	2	100.0%	2	100.0%	2	100.0%	2	100.0%				
		DROP KERB	40.2						1									
GLOUCESTER RD	18	DOUBLE YELLOW LINES	19.4															
		PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	95	19	11	57.9%	10	52.6%	9	47.4%	6	31.6%	9	47.4%				
		SINGLE YELLOW LINES	3.5															
		SINGLE YELLOW LINES	3.5						1									
	19	PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	92.4	18	9	50.0%	8	44.4%	10	55.6%	10	55.6%	10	55.6%				
		DOUBLE YELLOW LINES	24.3															
ROMFORD RD	20	DOUBLE YELLOW LINES	21.8															
		PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	7.5	1	1	100.0%	0	0.0%	0	0.0%	1	100.0%	1	100.0%				
		DROP KERB	13.8															
WORCESTER RD	21	DOUBLE YELLOW LINES	23															
		PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	91.7	18	10	55.6%	10	55.6%	10	55.6%	8	44.4%	11	61.1%				
		DISABLED BAY	5	1	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%				
		SINGLE YELLOW LINES	3.5															
		SINGLE YELLOW LINES	3.5															
	22	PARKING 1/2 C/W+1/2F/W- PERMIT HOLDERS ON PAY MAX 2HRS	97.5	19	10	52.6%	12	63.2%	12	63.2%	11	57.9%	11	57.9%				
		DOUBLE YELLOW LINES	23															
ROMFORD RD	23	DOUBLE YELLOW LINES	3.8															
		PARKING BAY ON FOOTWAY MON-SAT 7AM-7PM 30MINS NO RETURN WITHIN 2HRS	10.2	2	1	50.0%	0	0.0%	1	50.0%	1	50.0%	1	50.0%				
		PEDESTRIAN CROSSING	34.8															
TORONTO AVE	24	DOUBLE YELLOW LINES	22.6															
		P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	53.1	10	8	80.0%	8	80.0%	7	70.0%	8	80.0%	6	60.0%				
		DROP KERB	9.7															
		DISABLED BAY	6.2	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%				
		SINGLE YELLOW LINES	6															
		SINGLE YELLOW LINES	7.6															
	25	P&D MAX 2HRS OR PERMIT HOLDERS MON-SAT 9AM-5PM	56.8	11	10	90.9%	10	90.9%	9	81.8%	10	90.9%	9	81.8%				
		P&D MON-SAT 9AM-5PM MAX 2HRS	18.															



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