

november 2008

quality bus corridor
monitoring report





QBC Monitoring Report
Dublin Transportation Office
November 2008

Contents

Section	Page
1 Introduction & Structure of the Report	5
2 Main Findings.....	7
3 Key Objectives Reports	8
4 Purpose, Scope & Methodology	25
5 QBC Specification.....	27
6 Summary of Progress	29
7 Comparative Bus & Car Journey Times in the Morning Peak.....	31
8 Performance Indicators.....	33
9 Mode Share.....	36
10 Final Reports	41
11 Sectional Bus and Car Journey Times	50
12 Sectional Bus Speeds.....	73
13 League Tables.....	98
14 Graphs.....	103
15 Pre QBC Reports	144
16 1900-2000 Reports.....	145
16.1 1900-2000 Sectional Bus Speeds	162
17 Sunday Reports	179
17.1 1900-2000 Sectional Bus Speeds	197
Appendix 1 November 2008 Survey Points	215
Appendix 2 November 2008 Sunday Survey Points	224
Appendix 3 Maps of Survey Points	234

List of Tables

Table Number & Description	Page Number(s)
Table 1a Blanchardstown QBC	9
Table 1b Finglas QBC	10
Table 1c Lucan QBC	11
Table 1d Malahide QBC.....	12
Table 1e North Clondalkin QBC	13
Table 1f Rathfarnham QBC	14
Table 1g Stillorgan QBC	15
Table 1h Swords QBC	16
Table 1i Tallaght QBC.....	17
Table 1j Ballymun QBC	18
Table 1k Bray QBC	19
Table 1l Clontarf Road QBC	20
Table 1m Crumlin Road QBC	21
Table 1n Howth Road QBC	22
Table 1o Rock Road QBC	23
Table 1p South Clondalkin QBC.....	24
Table A Corridors Monitored in November 2008	26
Table 2 Summary of Progress 1997 – 2008.....	29
Table 3 Summary of Progress 2007 – 2008.....	30
Table 4 Comparative Bus and Car Journey Times	32
Table 5 Performance Indicators 2007/2008.....	34
Table 6 Performance Indicators 2007/2008.....	35
Table 7 – QBC Cordon Points	37
Table 7a – Non QBC Cordon Points	38
Table 7b – Non bus Cordon Points & Cordon Totals.....	39
Table 7c – Mode Share Summary 1997 to 2008	40
Table 8 Swords QBC Final Report.....	42
Table 9a Blanchardstown QBC	51
Table 9b Finglas QBC	53
Table 9c Lucan QBC	54
Table 9d Malahide QBC.....	56
Table 9e North Clondalkin QBC	57
Table 9f Rathfarnham QBC	58
Table 9g Stillorgan QBC	60
Table 9h Swords QBC	61
Table 9i Tallaght QBC.....	63
Table 9j Ballymun QBC	65
Table 9k Bray QBC	67
Table 9l Clontarf QBC	68
Table 9m Howth Road QBC	69
Table 9n Crumlin Road QBC	70
Table 9o Rock Road QBC	71
Table 9p South Clondalkin QBC.....	72
Table 10a Blanchardstown QBC	74
Table 10b Finglas QBC	76

Table 10c Lucan QBC	77
Table 10d Malahide QBC.....	79
Table 10e North Clondalkin QBC	81
Table 10f Rathfarnham QBC	82
Table 10g Stillorgan QBC	84
Table 10h Swords QBC	86
Table 10i Tallaght QBC.....	88
Table 10j Ballymun QBC	90
Table 10k Bray QBC	92
Table 10l Clontarf QBC	93
Table 10m Crumlin Road QBC	94
Table 10n Howth Road QBC	95
Table 10o Rock Road QBC	96
Table 10p South Clondalkin QBC.....	97
Table 11 Morning Peak Period League Table.....	99
Table 12a Blanchardstown QBC	105
Table 12b Blanchardstown QBC	106
Table 12c Blanchardstown QBC	107
Table 12d Finglas QBC	109
Table 12e Lucan QBC	112
Table 12f Lucan QBC	113
Table 12g Lucan QBC	114
Table 12h Malahide QBC.....	116
Table 12i Malahide QBC.....	117
Table 12j Malahide QBC.....	118
Table 12k North Clondalkin QBC.....	120
Table 12l North Clondalkin QBC.....	121
Table 12m Rathfarnham QBC	123
Table 12n Rathfarnham QBC.....	124
Table 12o Stillorgan QBC	126
Table 12p Swords QBC	128
Table 12q Tallaght QBC	130
Table 12r Tallaght QBC	131
Table 12s Ballymun QBC	133
Table 12t Bray QBC	135
Table 12u Clontarf QBC	137
Table 12v Howth Road QBC	139
Table 12w Rock Road QBC	141
Table 12x South Clondalkin QBC	143
Table 13a Blanchardstown QBC	146
Table 13b Finglas QBC	147
Table 13c Lucan QBC	148
Table 13d Malahide QBC.....	149
Table 13e North Clondalkin QBC	150
Table 13f Rathfarnham QBC	151
Table 13g Stillorgan QBC	152
Table 13h Swords QBC	153
Table 13i Tallaght QBC.....	154
Table 13j Ballymun QBC	155
Table 13k Bray QBC	156

Table 13l Clontarf QBC	157
Table 13m Howth Road QBC	158
Table 13n Crumlin Road QBC	159
Table 13o Rock Road QBC	160
Table 13p South Clondalkin QBC.....	161
Table 14a Blanchardstown QBC	163
Table 14b Finglas QBC	164
Table 14c Lucan QBC	165
Table 14d Malahide QBC.....	166
Table 14e North Clondalkin QBC	167
Table 14f Rathfarnham QBC	168
Table 14g Stillorgan QBC	169
Table 14h Swords QBC	170
Table 14i Tallaght QBC.....	171
Table 14j Ballymun QBC	172
Table 14k Bray QBC	173
Table 14l Clontarf Road QBC	174
Table 14m Howth Road QBC	175
Table 14n Crumlin Road QBC	176
Table 14o Rock Road QBC	177
Table 14p South Clondalkin QBC.....	178
Table 15a Blanchardstown QBC	180
Table 15b Finglas QBC	181
Table 15c Lucan QBC	182
Table 15d Malahide QBC.....	183
Table 15e North Clondalkin QBC	184
Table 15f Rathfarnham QBC	185
Table 15g Stillorgan QBC	186
Table 15h Swords QBC	187
Table 15i Tallaght QBC.....	188
Table 15j Ballymun QBC	189
Table 15k Bray QBC	190
Table 15l Clontarf Road QBC	191
Table 15m Howth Road QBC	192
Table 15n Crumlin Road QBC	193
Table 15o Rock Road QBC	194
Table 15p South Clondalkin QBC.....	195
Table 15q City Centre	196
Table 16a Blanchardstown QBC	198
Table 16b Finglas QBC	199
Table 16c Lucan QBC	200
Table 16d Malahide QBC.....	201
Table 16e North Clondalkin QBC	202
Table 16f Rathfarnham QBC	203
Table 16g Stillorgan QBC	204
Table 16h Swords QBC	205
Table 16i Tallaght QBC.....	206
Table 16j Ballymun QBC	207
Table 16k Bray QBC	208
Table 16l Clontarf Road QBC	209

Table 16m Howth Road QBC	210
Table 16n Crumlin Road QBC	211
Table 16o Rock Road QBC	212
Table 16p South Clondalkin QBC.....	213
Table 16q City Centre	214

1 Introduction & Structure of the Report

1.1 Background

The Dublin Transportation Office assumed responsibility for Quality Bus Corridor monitoring in November 2002. Monitoring had previously been undertaken on a bi-annual basis by Dublin City Council. Approval for carrying out the monitoring on an annual basis was given at the March 2002 Steering Committee meeting.

To date, monitoring has been carried out annually since 2002 in November of each year. The monitoring measures QBC performance both at a point in time, and over time.

Although this report deals specifically with the results from November 2008, comparisons are made with the results from 2002 to 2007.

The further development of an expanded Quality Bus Network is a key element of the DTO transport strategy as outlined in *A Platform for Change*. Monitoring the performance of the Quality Bus Corridors in operation helps to measure the efficiency and effectiveness of the bus mode in the delivery of the transport objectives set out in the strategy.

1.2 Structure of the Report

Section 2 sets out the main findings from the November 2008 QBC monitoring exercise.

Section 3 is a series of “Key Objectives” reports detailing the main results for each QBC.

Section 4 sets out the purpose, scope and methodology of the annual monitoring exercise.

Section 5 details the Specification against which the performance of each Quality Bus Corridor is measured.

Section 6 is a summary of the progress made from 1997 to 2008 in respect of the reduction in the number of cars crossing the Canal Cordon Points and the increase in bus service supply and resultant patronage.

Section 7 is a summary of comparative bus and car average morning peak period journey times for each of the 16 QBCs monitored.

Section 8 contains tables of Performance Indicators measured over the period 2002 to 2008 inclusive.

Section 9 is a table showing Mode Share expressed in terms of the percentage of total persons crossing the canal cordon points by mode of travel.

Section 10 contains an example of the “Final Reports” for each QBC showing the detailed results for Malahide QBC.

Section 11 contains tables showing comparative bus and car journey times for each QBC on a sectional basis

Section 12 contains tables showing bus speeds for each QBC on a sectional basis.

Section 13 contains a “League Table” of results with comparisons for the years 2002 to 2007.

Section 14 contains graphs showing the performance of each QBC on a sectional basis. The graphs show the variation in bus operating speeds over different sections of each QBC and over different time periods. The examples shown are supported by a commentary.

Section 15 deals with the results from corridors monitored prior to the implementation of bus priority measures.

Section 16 deals specifically with the results from the extension of the pm monitoring to include the period from 1900 to 2000.

Section 17 deals specifically with the results from the surveys undertaken on Sundays

Appendix 1 is a table showing the complete list of survey points for the November 2008 (Weekday) monitoring exercise.

Appendix 2 is a table showing the complete list of survey points for the November 2008 (Sunday) monitoring exercise.

Appendix 3 contains maps showing the scope of the monitoring for each QBC.

2 Main Findings

- 2.1 The number of buses supplied by Dublin Bus has increased by 297 (46.92%) from November 1997 to November 2008. See **Table 2** for details. There was a significant increase of 79 buses in the last 12 months. See **Table 3** for details.
- 2.2 The number of bus passengers crossing the Canal Cordon on QBC corridors has increased by 13,623 (44.60%) from November 1997 to November 2008. See **Table 2** for details. There was an increase in passenger numbers of 5.99% over the last 12 months. See **Table 3** for details.
- 2.3 Passenger numbers travelling on QBC designated routes on the 9 main radial QBCs crossing the canal cordon between 0700 and 1000 have increased by 6.79% in the last 12 months. The largest increase was on Lucan QBC partly attributable to passengers transferring from the services previously operated by Circle Line. See **Table 5** for details.
- 2.4 Bus average journey times in the morning peak were less than the corresponding car average journey times in 12 out of the 16 QBCs monitored, with significant (greater than 10%) variations in 8 QBCs. See **Table 4** for details.
- 2.5 Bus average journey times in the morning peak have reduced in 9 of the 16 QBCs that were monitored. The most notable improvement was on Swords QBC with a reduction in average journey time of 13 minutes. Bus average speed measured over the 16 QBCs in the morning peak improved from 14.43 kilometres per hour in 2007 to 15.37 kilometres per hour in 2008. The PM Peak figure improved from 12.99 kilometres per hour to 14.37 kilometres per hour. Both AM & PM Peak figures represented the highest average speeds reported since QBC Monitoring commenced in 2002. See **Table 5** and **Table 6** for details.
- 2.6 The detailed results for Swords QBC highlight the significant improvement in journey times following enhancements to the junction of Swords Road and Collins Avenue with continuous priority through the junction. Average journey time reduced by 13 minutes in the AM peak period. Also of note is the delay caused to outbound services on Malahide, Clontarf and Howth Road QBCs accessing the QBC at Amiens Street from the respective city centre termini at Talbot Street, Lower Abbey Street and Eden Quay. See **Table 1h**, **Table 8**, **Table 9d**, **Table 9h**, **Table 9l**, **Table 9m**, **Table 10d**, **Table 10h**, **Table 10l**, **Table 10n**, and **Table 12p** for details.
- 2.7 **Table 16q** shows a sample of the results from the Sunday surveys detailing bus speeds in and around the city centre. None of the bus lanes monitored are operational on Sundays. Bus services were particularly delayed on the section from Patrick Street via Winetavern Street to access the North Quays.

3 Key Objectives Reports

The key results for each QBC are set out in terms of Key Objectives Reports.

Each report summarises the main performance indicators as follows:

- Bus journey times
- Bus speeds
- Comparative bus and car journey times
- Passenger waiting times
- Mode Share
- Passenger journeys

The codes in the left hand column named “Spec Ref” match the performance indicators set out in the QBC Specification.

Tables 1a to 1i inclusive show the results for the 9 main radial QBCs.

Tables 1j to 1m inclusive show the results for those QBCs monitored for the first time in 2004, namely Ballymun QBC, Bray QBC incorporating the N11 extension from Foxrock to Loughlinstown, Clontarf QBC and Howth Road QBC.

Tables 1n to 1p inclusive show the results from Crumlin Road QBC and the 2 QBCs launched in 2007, namely Rock Road and South Clondalkin

Table 1a Blanchardstown QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT BLANCHARDSTOWN NOVEMBER 2008						
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	31:16		40:12		
A5	Corridor Bus Journey Time (Range)	22:45 to 39:28		33:45 to 46:07		
A5	Corridor Bus Speed	16.03 km/h		12.98 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		
A5	Comparison of Bus v Car Journey Times (Average)	29:14		26:39		
A5	Comparison of Bus v Car Journey Times (Range)	23:42 to 34:30		24:06 to 30:47		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		2:03		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		4:05		
		Target		Actual		
		2 minutes		0:05		
		AM Peak		PM Peak		
		9.37%		10.78%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode Share at Canal Cordon				Cordon Counts at Blackhorse Avenue Old Cabra Road & St Peters Church
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		39.09%	37.55%	50.83%	51.04%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		0.90%	0.83%	1.80%	1.94%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		5.06%	6.89%	14921	15359	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		
		4903		4702		
		Cordon Counts (0700 - 1000) BAC Designated QBC Routes				

Table 1b Finglas QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT FINGLAS NOVEMBER 2008						
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS				NOTES
A5	Corridor Bus Journey Times	AM Peak		PM Peak		Finglas to City Centre
A5	Corridor Bus Journey Time (Average)	17:04		38:11		
A5	Corridor Bus Journey Time (Range)	11:43 to 24:53		26:45 to 48:00		
A5	Corridor Bus Speed	18.53 km/h		7.98 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		Finglas to Dorset Street Lower
A5	Comparison of Bus v Car Journey Times (Average)	12:18		15:35		
A5	Comparison of Bus v Car Journey Times (Range)	9:12 to 19:28		14:21 to 17:06		
B1	Passenger Wait Times	Target		Actual		Timings at Harts Corner 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes		2:23		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		3:45		
		Target		Actual		Finglas to Parnell Square East/Parnell Street - November 2007
		2 minutes		0		
		AM Peak		PM Peak		
		18.62%		8.44%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Survey at Binn's Bridge Includes Swords QBC
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		35.70%	33.98%	48.81%	52.10%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.60%	1.36%	2.68%	2.68%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		9.38%	8.17%	16733	16419	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		Cordon Counts (0700 - 1000) BAC Designated QBC Routes
		2105		2419		

Table 1c Lucan QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT LUCAN NOVEMBER 2008						
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	28:35		26:40		
A5	Corridor Bus Journey Time (Range)	22:25 to 36:48		19:21 to 37:13		
A5	Corridor Bus Speed	23.92 km/h		25.11 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		
A5	Comparison of Bus v Car Journey Times (Average)	28:35		33:22		
A5	Comparison of Bus v Car Journey Times (Range)	22:25 to 36:48		16:32 to 49:25		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		1:59		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		5:49		
		Target		Actual		
		2 minutes		1:49		
		AM Peak		PM Peak		
		13.28%		9.72%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		40.30%	40.37%	52.40%	53.13%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.55%	1.57%	1.04%	0.99%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.76%	1.17%	14865	13885	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		
		4542		5116		

Table 1d Malahide QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT MALAHIDE NOVEMBER 2008						
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS				NOTES
A5	Corridor Bus Journey Times	AM Peak		PM Peak		Greencastle Rd to Amiens Street/North Strand
A5	Corridor Bus Journey Time (Average)	22:34		18:37		
A5	Corridor Bus Journey Time (Range)	12:29 to 40:25		14:08 to 22:58		
A5	Corridor Bus Speed	15.16 km/h		18.25 km/h		Greencastle Rd to Amiens Street
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		
A5	Comparison of Bus v Car Journey Times (Average)	22:51		25:06		
A5	Comparison of Bus v Car Journey Times (Range)	12:29 to 40:25		14:23 to 44:23		
B1	Passenger Wait Times	Target		Actual		Timings at Fairview 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes		2:30		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		2:23		
		Target		Actual		Greencastle Road to Amiens Street - November 2007
		2 minutes		0		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Newcomen Bridge
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		21.93%	20.71%	60.55%	62.77%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		2.20%	1.97%	4.66%	5.25%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		8.78%	7.42%	14343	14286	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		Cordon Counts (0700 - 1000) BAC Designated QBC Routes
		4673		4766		

Table 1e North Clondalkin QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT NORTH CLONDALKIN NOVEMBER 2008						
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS				NOTES
A5	Corridor Bus Journey Times	AM Peak		PM Peak		Coldcut Road to Westmoreland Street/ Aston Quay
A5	Corridor Bus Journey Time (Average)	41:33		45:43		
A5	Corridor Bus Journey Time (Range)	26:42 to 58:32		22:42 to 64:29		
A5	Corridor Bus Speed	12.89 km/h		11.74 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		Coldcut Road to Cornmarket
A5	Comparison of Bus v Car Journey Times (Average)	30:30		30:50		
A5	Comparison of Bus v Car Journey Times (Range)	19:23 to 48:47		20:06 to 44:34		
B1	Passenger Wait Times	Target		Actual		Timings at Ballyfermot Road 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes		7:09		
B1b	Average Peak Excess Wait Time	Target		Actual		
		2 minutes		4:09		
B1c	Average Off Peak Wait Time	Target		Actual		
		4 minutes		6:59		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
		2 minutes		2:59		
B2	Boarding & Alighting Time / % of total journey time	AM Peak		PM Peak		Coldcut Road to Westmoreland Street/ Aston Quay - November 2007
		11.12%		8.46%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Old Kilmainham
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		52.36%	49.52%	41.08%	43.79%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		0.71%	0.75%	0.86%	1.09%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		2.61%	2.71%	4635	4681	
E1	Passenger Journeys (Total)	Nov 2007		Nov 2008		Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		1625		1845		

Table 1f Rathfarnham QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT RATHFARNHAM NOVEMBER 2008					
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES	
A5	Corridor Bus Journey Times	AM Peak		PM Peak	
A5	Corridor Bus Journey Time (Average)	37:17		33:38	
A5	Corridor Bus Journey Time (Range)	27:56 to 53:06		25:56 to 38:54	
A5	Corridor Bus Speed	9.81 km/h		11.57 km/h	
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak	
A5	Comparison of Bus v Car Journey Times (Average)	27:02		30:35	
A5	Comparison of Bus v Car Journey Times (Range)	16:59 to 40:38		14:34 to 42:18	
B1	Passenger Wait Times	Target		Actual	
B1a	Average Peak Wait Time	3 minutes		6:09	
B1b	Average Peak Excess Wait Time	Target		Actual	
B1c	Average Off Peak Wait Time	2 minutes		3:09	
B1d	Average Off Peak Excess Wait Time	Target		Actual	
B2	Boarding & Alighting Time / % of total journey time	4 minutes		7:50	
		Target		Actual	
		2 minutes		3:50	
		AM Peak		PM Peak	
		16.80%		9.97%	
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon			
		Car		Bus	
		Nov-07	Nov-08	Nov-07	Nov-08
		45.08%	41.16%	37.57%	38.27%
		Taxi		Cycle	
		Nov-07	Nov-08	Nov-07	Nov-08
		0.99%	0.71%	6.28%	7.03%
		Walking		Total Persons	
		Nov-07	Nov-08	Nov-07	Nov-08
		7.11%	9.83%	7613	7904
E1	Passenger Journeys (Total)	Nov-07		Nov-08	
		1954		1985	

Table 1g Stillorgan QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT STILLORGAN NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak	PM Peak	Foxrock Church to Leeson Street		
A5	Corridor Bus Journey Time (Average)	29:15	30:15			
A5	Corridor Bus Journey Time (Range)	19:31 to 40:08	24:50 to 43:28			
A5	Corridor Bus Speed	18.84 km/h	18.16 km/h			
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Foxrock Church to Leeson Street		
A5	Comparison of Bus v Car Journey Times (Average)	29:15	30:39			
A5	Comparison of Bus v Car Journey Times (Range)	19:31 to 40:08	14:17 to 49:17			
B1	Passenger Wait Times	Target	Actual	Timings at Donnybrook Village 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	2:00			
B1b	Average Peak Excess Wait Time	Target	Actual			
B1c	Average Off Peak Wait Time	2 minutes	0			
B1d	Average Off Peak Excess Wait Time	Target	Actual			
B2	Boarding & Alighting Time / % of total journey time	4 minutes	5:56			
B2	Boarding & Alighting Time / % of total journey time	Target	Actual	Foxrock Church to Leeson Street - November 2007		
B2	Boarding & Alighting Time / % of total journey time	2 minutes	1:56			
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak	Foxrock Church to Leeson Street - November 2007		
B2	Boarding & Alighting Time / % of total journey time	21.16%	15.22%			
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Leeson Street Bridge
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		34.49%	31.71%	45.51%	48.95%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.20%	0.92%	3.79%	5.37%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		12.95%	10.96%	11770	12624	
E1	Passenger Journeys (Total)	Nov 2007		Nov 2008		Cordon Counts (0700 - 1000) BAC QBC Designated Routes
E1	Passenger Journeys (Total)	3859		4194		

Table 1h Swords QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT SWORDS NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak	PM Peak	Swords Main St to O'Connell Street/Abbey Street Lower		
A5	Corridor Bus Journey Time (Average)	48:20	56:05			
A5	Corridor Bus Journey Time (Range)	31:20 to 58:05	41:50 to 69:53			
A5	Corridor Bus Speed	17.58 km/h	15.06 km/h	Airside Business Park to Dorset Street Lower		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak			
A5	Comparison of Bus v Car Journey Times (Average)	35:56	39:48			
A5	Comparison of Bus v Car Journey Times (Range)	30:03 to 43:21	34:22 to 45:49			
B1	Passenger Wait Times	Target	Actual	Timings at Richmond Road 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	3:58			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	0:58			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	6:32			
B1d	Average Off Peak Excess Wait Time	Target	Actual	Cloghran Roundabout to O'Connell St/Lower Abbey St - November 2007		
B2	Boarding & Alighting Time / % of total journey time	2 minutes	2:32			
		AM Peak	PM Peak			
		11.34%	7.41%			
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Survey at Binn's Bridge includes Finglas QBC
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		35.70%	33.98%	48.81%	52.10%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.60%	1.36%	2.68%	2.68%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		9.38%	8.17%	16733	16419	
E1	Passenger Journeys (Total)	Nov 2007		Nov 2008		Cordon Counts (0700 - 1000) BAC Designated QBC Routes
		1927		1915		

Table 1i Tallaght QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT TALLAGHT NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS				NOTES
A5	Corridor Bus Journey Times	AM Peak		PM Peak		West of M50 to Westmoreland Street
A5	Corridor Bus Journey Time (Average)	42:40		43:16		
A5	Corridor Bus Journey Time (Range)	28:13 to 50:41		34:53 to 52:14		
A5	Corridor Bus Speed	12.73 km/h		13.65 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		West of M50 to Camden St Upper
A5	Comparison of Bus v Car Journey Times (Average)	32:45		36:52		
A5	Comparison of Bus v Car Journey Times (Range)	19:35 to 39:06		30:38 to 45:35		
B1	Passenger Wait Times	Target		Actual		Timings at Rathmines 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes		2:08		
B1b	Average Peak Excess Wait Time	Target		Actual		
		2 minutes		0		
B1c	Average Off Peak Wait Time	Target		Actual		
		4 minutes		3:35		
B1d	Average Off Peak Excess Wait Time	Target		Actual		Templeogue Road to Westmoreland Street/Eden Quay - November 2007
		2 minutes		0		
B2	Boarding & Alighting Time / % of total journey time	AM Peak		PM Peak		
		11.87%		10.79%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Portobello Bridge
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		26.34%	21.37%	39.80%	49.83%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		0.84%	0.74%	7.92%	7.06%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		23.73%	19.60%	9099	9520	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		2680		3245		

Table 1j Ballymun QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT BALLYMUN NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	31:59		35:28		
A5	Corridor Bus Journey Time (Range)	23:29 to 39:38		32:15 to 40:29		
A5	Corridor Bus Speed	12.19 km/h		11.38 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		
A5	Comparison of Bus v Car Journey Times (Average)	23:31		21:52		
A5	Comparison of Bus v Car Journey Times (Range)	13:12 to 37:22		11:34 to 34:30		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		3:45		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0:45		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		4:11		
		Target		Actual		
		2 minutes		0:11		
		AM Peak		PM Peak		
		11.38%		22.08%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Phibsborough Road
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		41.45%	37.03%	38.09%	41.00%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		2.25%	1.40%	3.09%	3.14%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		12.85%	15.57%	7508	7637	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		
		2205		2075		
		Cordon Counts (0700 - 1000) BAC QBC Designated Routes				

Table 1k Bray QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT BRAY NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak	PM Peak	Bray to Foxrock Church		
A5	Corridor Bus Journey Time (Average)	25:11	23:19			
A5	Corridor Bus Journey Time (Range)	17:02 to 39:18	17:38 to 27:58			
A5	Corridor Bus Speed	22.69 km/h	24.38 km/h			
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Bray to Foxrock Church		
A5	Comparison of Bus v Car Journey Times (Average)	25:11	17:08			
A5	Comparison of Bus v Car Journey Times (Range)	17:02 to 39:18	10:50 to 24:54			
B1	Passenger Wait Times	Target	Actual	Timings at Shankill 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	3:59			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	0:59			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	3:57			
B1d	Average Off Peak Excess Wait Time	Target	Actual	Bray Main Street to Foxrock Church - November 2007		
		2 minutes	0			
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak			
		18.12%	10.06%			
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Mount Street Bridge
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		51.43%	47.40%	27.84%	33.14%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.47%	1.37%	4.40%	3.90%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		13.01%	12.19%	4227	4152	
E1	Passenger Journeys (Total)	Nov-07	Nov-08	Cordon Counts (0700 - 1000) BAC QBC Designated Routes		
		1488	1614			

Table 11 Clontarf Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT CLONTARF NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS				NOTES
A5	Corridor Bus Journey Times	AM Peak		PM Peak		Clontarf Garage to Fairview
A5	Corridor Bus Journey Time (Average)	7:57		9:09		
A5	Corridor Bus Journey Time (Range)	5:04 to 12:16		6:54 to 12:22		
A5	Corridor Bus Speed	20.70 km/h		18.94 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		Clontarf Garage to Fairview
A5	Comparison of Bus v Car Journey Times (Average)	7:57		14:48		
A5	Comparison of Bus v Car Journey Times (Range)	5:04 to 12:16		4:14 to 25:30		
B1	Passenger Wait Times	Target		Actual		Timings at Fairview 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes		3:32		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0:32		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		5:06		
		Target		Actual		Clontarf Garage to Fairview - November 2007
		2 minutes		1:06		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Newcomen Bridge
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		21.93%	20.71%	60.55%	62.77%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		2.20%	1.97%	4.66%	5.25%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		8.78%	7.42%	14343	14286	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		1630		1351		

Table 1m Crumlin Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT CRUMLIN ROAD NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	30:33		27:44		
A5	Corridor Bus Journey Time (Range)	16:22 to 43:40		21:44 to 32:00		
A5	Corridor Bus Speed	10.88 km/h		11.69 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		
A5	Comparison of Bus v Car Journey Times (Average)	20:42		17:20		
A5	Comparison of Bus v Car Journey Times (Range)	10:08 to 33:44		9:18 to 29:06		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		2:44		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		2:20		
		Target		Actual		
		2 minutes		0		
		AM Peak		PM Peak		
		17.04%		11.17%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Dolphins Barn
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		47.06%	44.20%	42.42%	46.40%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.38%	1.32%	1.90%	2.01%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		4.14%	3.52%	6577	7021	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		
		2497		2856		
		Cordon Counts (0700 - 1000) BAC QBC Designated Routes				

Table 1n Howth Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT HOWTH ROAD QBC NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	15:13		15:33		
A5	Corridor Bus Journey Time (Range)	10:25 to 20:33		12:58 to 19:13		
A5	Corridor Bus Speed	16.38 km/h		16.78 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		
A5	Comparison of Bus v Car Journey Times (Average)	15:13		18:51		
A5	Comparison of Bus v Car Journey Times (Range)	10:25 to 20:33		10:00 to 33:44		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		7:16		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		4:16		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		4:34		
		Target		Actual		
		2 minutes		0:34		
		AM Peak		PM Peak		
		17.13%		14.26%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		21.93%	20.71%	60.55%	62.77%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		2.20%	1.97%	4.66%	5.25%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		8.78%	7.42%	14343	14286	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		
		1380		1299		

Table 1o Rock Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT ROCK ROAD NOVEMBER 2008							
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES			
A5	Corridor Bus Journey Times	AM Peak	PM Peak	Blackrock to City Centre			
A5	Corridor Bus Journey Time (Average)	32:11	37:34				
A5	Corridor Bus Journey Time (Range)	21:58 to 42:47	24:57 to 51:09				
A5	Corridor Bus Speed	15.41 km/h	12.32 km/h				
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Blackrock to Merrion Square			
A5	Comparison of Bus v Car Journey Times (Average)	23:41	25:04				
A5	Comparison of Bus v Car Journey Times (Range)	15:11 to 34:25	10:35 to 42:39				
B1	Passenger Wait Times	Target	Actual	Timings at Ballsbridge 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)			
B1a	Average Peak Wait Time	3 minutes	5:58				
B1b	Average Peak Excess Wait Time	Target	Actual				
B1c	Average Off Peak Wait Time	2 minutes	2:58				
B1d	Average Off Peak Excess Wait Time	Target	Actual				
B2	Boarding & Alighting Time / % of total journey time	4 minutes	3:57				
B2	Boarding & Alighting Time / % of total journey time	Target	Actual	Blackrock to O'Connell Street - November 2007			
B2	Boarding & Alighting Time / % of total journey time	2 minutes	0				
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	AM Peak	PM Peak	Mount Street Bridge			
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	7.01%	15.09%				
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon					
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	Car	Bus				
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	Nov-07	Nov-08			Nov-07	Nov-08
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	51.43%	47.40%			27.84%	33.14%
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	Taxi	Cycle				
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	Nov-07	Nov-08			Nov-06	Nov-08
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	1.47%	1.37%	2.69%	3.90%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	Walking	Total Persons				
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	Nov-07	Nov-08	Nov-07	Nov-08		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	13.01%	12.19%	4227	4152		
E1	Passenger Journeys (Total)	Nov-07	Nov-08	Cordon Counts (0700 - 1000) BAC QBC Designated Routes			
E1	Passenger Journeys (Total)	1047	1123				

Table 1p South Clondalkin QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT SOUTH CLONDALKIN NOVEMBER 2008						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	57:45		55:21		
A5	Corridor Bus Journey Time (Range)	37:35 to 74:28		47:11 to 65:16		
A5	Corridor Bus Speed	13.55 km/h		13.99 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		
A5	Comparison of Bus v Car Journey Times (Average)	57:45		62:24		
A5	Comparison of Bus v Car Journey Times (Range)	37:35 to 74:28		48:36 to 80:01		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		7:10		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		4:10		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		6:06		
		Target		Actual		
		2 minutes		2:06		
		AM Peak		PM Peak		
		14.92%		10.83%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Dolphins Barn
		Car		Bus		
		Nov-07	Nov-08	Nov-07	Nov-08	
		47.06%	44.20%	42.42%	46.40%	
		Taxi		Cycle		
		Nov-07	Nov-08	Nov-07	Nov-08	
		1.38%	1.32%	1.90%	2.01%	
		Walking		Total Persons		
		Nov-07	Nov-08	Nov-07	Nov-08	
		4.14%	3.52%	6577	7021	
E1	Passenger Journeys (Total)	Nov-07		Nov-08		
		531		613		
		Cordon Counts (0700 - 1000) BAC QBC Designated Routes				

4 Purpose, Scope & Methodology

4.1 Purpose

The purpose of the monitoring exercise is to undertake a time series analysis of the operation of each QBC including journey times of buses within sections of each corridor, equivalent journey times by car, the pattern of flow of buses and the resultant passenger wait times. Additional data is collected and used to measure bus usage, modal share for citybound journeys, the level of bus priority, passenger waiting facilities, passenger information, the quality of buses and passenger satisfaction levels. The results are compared to the specification set out and agreed for the performance of Quality Bus Corridors.

4.2 Scope

16 QBCs (**Table A**) were monitored over a 3 week period in November 2008. For the first time QBCs were monitored in the PM Peak up to 2000. Results from the period 1900-2000 are reported separately. Additionally monitoring was undertaken at selected survey points on each QBC on Sundays with particular emphasis on the city centre and out of town shopping centres. South Clondalkin and Crumlin Road QBCs are mapped together as South Clondalkin (15) but are reported separately. See **Appendix 1** for the scope of the Monday to Friday surveys and **Appendix 2** for the scope of the Sunday surveys.

4.3 Methodology

Roadside surveys were carried out at strategic locations on each QBC measuring sectional journey times by bus and car over the morning and evening peak periods and off peak inbound and outbound journeys. *Direction Research*, following a competitive tender, carried out the 2008 surveys.

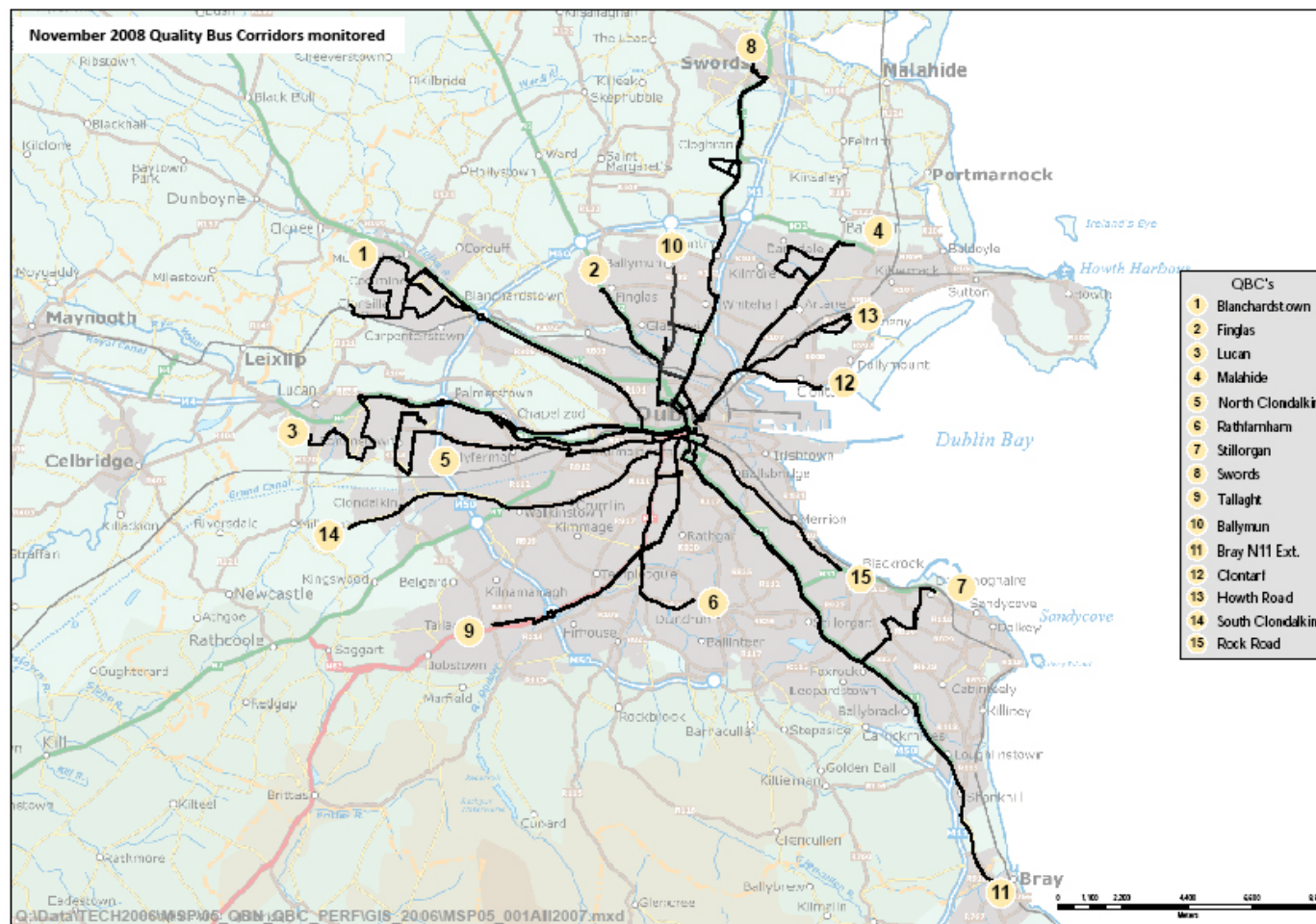
Traffic Cordon Counts were undertaken by Dublin City Council measuring the volume of citybound traffic and persons in the morning peak period with a view to reporting on modal share. Dublin Bus undertook bus passenger counts of all citybound passengers crossing the Canal Cordon. The Railway Procurement Agency undertook an all day passenger count on Luas which included measuring the volume of citybound passengers during the morning peak period. A similar all day passenger count was undertaken by Irish Rail from which the data on the volume of citybound passengers was extracted.

Data from the surveys was used to report on passenger wait times in the morning peak and off peak periods, and the age and quality of buses operating on each QBC.

An infrastructure audit, undertaken in May to June 2006 including the use of GPS tracked video footage, was used to report on QBC attributes including the levels of bus priority, passenger waiting facilities and passenger information.

Passenger satisfaction levels were recorded for each QBC using the data from a survey carried out by Dublin Bus in 2002.

Table A Corridors Monitored in November 2008



5 QBC Specification

Specification for Quality Bus Corridors

- **Goal: to provide a clearly defined, high performance bus transportation system segregated from other road traffic.**
-

A) Infrastructure Objectives

1. Start on the regional or higher classification road.
2. Prioritise the access from lower classification roads for the bus services entering the Quality Bus Corridor.
3. Deliver bus journey speeds on the corridor of at least 20kph average over the whole corridor with a minimum increase of 25% in bus journey speeds on all QBCs.
4. Operate on segregated lanes over the complete length of the corridor, except where the road width is too narrow to permit the provision of a segregated lane.
5. Monitor the performance of all QBC sections with particular emphasis on non-segregated sections.
6. Operate on non-segregated lengths to the highest possible performance levels by the use of sophisticated traffic management techniques
7. Operate on a 12-hour basis with a specified period for loading if required.
- 7a Have clearly defined bus lanes
8. Have bus stops positioned to minimise total walk times for existing and potential passengers taking into account such issues security, traffic conditions, mobility impaired access
9. Have high-quality waiting areas at all high usage bus stops, including shelters, level platforms that minimise the vertical and horizontal gap for boarding passengers, seating and additional facilities such as telephones, ticket vending machines and cycle parking.
10. Have real-time Passenger Information at high usage bus stops
11. Have a network of pedestrian walkways to bus stops which are landscaped, well-lit, direct, with safe road crossings

B) Service Objectives

The bus service on a Quality Bus Corridor shall

1. Provide the following profile of passenger waiting at all points on the corridor before boarding a bus

Average Wait Time (minutes)		Av. Excess Wait Time (minutes)	
Peak	Off-Peak	Peak	Off-Peak
3	4	2	2

C) Fleet Objectives

1. Provide bus stop annunciation over a public address system, with explanations of all deviations from regular service
2. Have an average vehicle age not greater than five years, and a maximum age not greater than 8 years
3. Be operated only by uniformed staff
4. Be operated by low-floored vehicles
5. Maintain a distinct appearance compared with other bus services
6. Be operated by air conditioned buses

D) Network Performance

The impact of the QBC on the route, and on the adjacent network must be assessed.

- Assess and quantify the effects of the QBC on all modes.
- Use appropriate modelling and analytical methods to assess the before and after impacts of the QBC on all modes.
 - Further measure the effectiveness of the QBC by reference to the following performance indicators:
 - Passenger journey totals
 - Bus occupancy levels
 - Cost effectiveness
 - Service reliability
 - Passenger satisfaction levels
 - Bus lane infringement levels
 - Accident levels on QBC
 - Effects on property values & businesses
 - Effectiveness of accessibility for mobility impaired persons

6 Summary of Progress

6.1 Progress from 1997 to 2008

Table 2 is a summary of the progress that has been made from November 1997 to November 2008 in respect of the increase in bus service supply and resultant patronage.

Table 2 Summary of Progress 1997 – 2008

QBC Monitoring Nov 1997 / Nov 2008 Cars Crossing Canal Cordon by Corridor BAC Buses Crossing Canal Cordon by Corridor BAC Bus Passengers Crossing Canal by Corridor 0700 - 1000				
Corridor	Mode	Nov-97	Nov-08	% Change
Stillorgan	CARS	5794	3481	-39.92
	BUSES	40	127	217.50
	BUS PAX	1787	5808	225.01
Blanchardstown	CARS	5963	5016	-15.88
	BUSES	83	135	62.65
	BUS PAX	4573	6108	33.57
Lucan	CARS	6104	4918	-19.43
	BUSES	71	114	60.56
	BUS PAX	4303	6412	49.01
Finglas / Swords	CARS	5678	4851	-14.56
	BUSES	112	168	50.00
	BUS PAX	5670	7050	24.34
North Clondalkin	CARS	1555	2016	29.65
	BUSES	46	38	-17.39
	BUS PAX	2079	2050	-1.39
Malahide	CARS	4620	2573	-44.31
	BUSES	133	191	43.61
	BUS PAX	4747	8968	88.92
Tallaght	CARS	3314	1769	-46.62
	BUSES	72	98	36.11
	BUS PAX	4098	4744	15.76
Rathfarnham	CARS	3605	2829	-21.53
	BUSES	76	59	-22.37
	BUS PAX	3285	3025	-7.91
Total	CARS	36633	27453	-25.06
	BUSES	633	930	46.92
	BUS PAX	30542	44165	44.60

6.2 Changes from 2007 to 2008

Table 3 shows the changes in the last 12 months. There has been a significant increase in the supply of buses and a 5.99% increase in passengers.

Table 3 Summary of Progress 2007 – 2008

QBC Monitoring Nov 2007 / Nov 2008 Cars Crossing Canal Cordon by Corridor BAC Buses Crossing Canal Cordon by Corridor BAC Bus Passengers Crossing Canal by Corridor 0700 - 1000				
Corridor	Mode	Nov-07	Nov-08	% Change
Stillorgan	CARS	3328	3481	4.60
	BUSES	120	127	5.83
	BUS PAX	4935	5808	17.69
Blanchardstown	CARS	4780	5016	4.94
	BUSES	132	135	2.27
	BUS PAX	6453	6108	-5.35
Lucan	CARS	4910	4918	0.16
	BUSES	106	114	7.55
	BUS PAX	5675	6412	12.99
Finglas / Swords	CARS	4897	4851	-0.94
	BUSES	146	168	15.07
	BUS PAX	7535	7050	-6.44
North Clondalkin	CARS	1989	2016	1.36
	BUSES	33	38	15.15
	BUS PAX	1904	2050	7.67
Malahide	CARS	2579	2573	-0.23
	BUSES	161	191	18.63
	BUS PAX	8685	8968	3.26
Tallaght	CARS	1965	1769	-9.97
	BUSES	99	98	-1.01
	BUS PAX	3621	4744	31.01
Rathfarnham	CARS	2813	2829	0.57
	BUSES	54	59	9.26
	BUS PAX	2860	3025	5.77
Total	CARS	27261	27453	0.70
	BUSES	851	930	9.28
	BUS PAX	41668	44165	5.99

7 Comparative Bus & Car Journey Times in the Morning Peak

Table 4 shows summary findings for comparative bus and car journey times for city bound morning peak journeys.

There are comparisons available for all the 16 QBCs monitored. The table details the section of each QBC over which the comparisons are made.

Bus average journey times in the morning peak were less than the corresponding car average journey times in 12 out of the 16 QBCs monitored, with significant (greater than 10%) variations on 8 QBCs.

Table 4 Comparative Bus and Car Journey Times

QUALITY BUS CORRIDOR MONITORING NOVEMBER 2008 SUMMARY OF AM PEAK COMPARATIVE BUS AND CAR JOURNEY TIMES					
Corridor	Section Measured	Bus Average Journey Time	Car Average Journey Time	Time Difference	% Difference
Clontarf	Clontarf Bus Garage to Fairview	7:57	14:48	6:51	86.2%
Finglas	Finglas to Dorset Street Lower	12:18	15:35	3:17	26.7%
Howth Road	Raheny to Fairview	15:13	18:51	3:38	23.9%
Lucan	Foxhunter to Bachelors Walk via Chapelizod Bypass	28:35	33:22	4:47	16.7%
Rathfarnham	Rathfarnham to Camden Street	27:02	30:35	3:33	13.1%
Tallaght	West of M50 to Camden Street	32:45	36:52	4:07	12.6%
Malahide	Greencastle Road to Amiens Street	22:34	25:06	2:32	11.2%
Swords	Airside Business Park to Dorset Street Lower	35:56	39:48	3:52	10.8%
South Clondalkin	Grange Castle to Bachelors Walk	57:45	62:24	4:39	8.0%
Rock Road	Blackrock to Merrion Square	23:41	25:04	1:23	5.8%
Stillorgan	Foxrock Church to Leeson Street	29:15	30:39	1:24	4.8%
North Clondalkin	Coldcut Road to Cornmarket	30:30	30:50	0:20	1.1%
Ballymun	Ballymun to Dorset Street Lower	23:31	21:52	(1:39)	(7.0%)
Blanchardstown	Blanchardstown Bypass to Manor Street	29:14	26:39	(2:35)	(8.8%)
Crumlin Road	Drimnagh Road to Patrick Street	20:42	17:20	(3:22)	(16.3%)
Bray	Bray to Foxrock Church	25:11	17:08	(8:03)	(31.9%)

8 Performance Indicators

8.1 Performance Indicators 2007 to 2008

Table 5 shows comparative performance indicators for the years 2007 and 2008. The areas highlighted in yellow indicate those areas where performance has improved. Performance is measured against the QBC Specification where appropriate.

Performance for each of the 9 main radial QBCs is measured in respect of the following indicators:

- i. Bus average journey times in the morning peak period inbound to the city
- ii. Bus average journey times in the afternoon/evening peak period outbound from the city
- iii. Bus average journey times in the off peak period inbound and outbound
- iv. Bus average speeds in the morning peak period inbound
- v. Bus average speeds in the afternoon/evening peak period outbound
- vi. Bus average speeds in the off peak period inbound and outbound
- vii. Bus passengers on designated QBC routes in the morning peak period inbound
- viii. Cars crossing the canal cordon points in the morning peak period inbound
- ix. Bus mode share in the morning peak period inbound
- x. Bus passenger average waiting time in the morning peak period inbound
- xi. Bus passenger average waiting times in the off peak period inbound
- xii. Average age of the bus fleet
- xiii. Percentage of low floor accessible buses

8.2 Performance Indicators 2007 to 2008

Table 6 shows the same performance indicators for the remaining 7 QBCs.

Table 5 Performance Indicators 2007/2008

QBC Performance Indicators Comparison 2007 - 2008																						
Corridor	Bus Journey Times AM		Bus Speeds AM Peak		Bus Journey Times PM Peak		Bus Speeds PM Peak		BAC Bus Pax QBC Routes		Cars Crossing Canal Cordon		Bus Mode Share		Ave Wait Time AM Peak		Ave Wait Time Off Peak		Fleet Age Average		Low Floor Buses % Fleet	
	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008
Blanchardstown	33:51	31:16	14.81	16.03	46:18	40:12	11.27	12.98	4903	4702	4780	5016	50.83%	51.04%	2:06	2:03	4:58	4:05	4.44	4.02	90%	91%
Position	N/A	N/A	5	5	N/A	N/A	8	6	1	3	3	1	3	5	3	3	4	4	4	1	1	
Finglas	20:19	17:04	15.57	18.53	23:00	38:11	13.24	7.98	2105	2419	4897	4851	48.81%	52.10%	2:58	2:23	5:46	3:45	8.12	7.40	9%	26%
Position	N/A	N/A	4	3	N/A	N/A	5	9	6	6	2	3	4	3	6	5	5	3	8	8	8	
Lucan	33:07	28:35	20.65	23.92	31:57	26:40	20.96	25.11	4542	5116	4910	4918	52.40%	53.13%	2:31	1:59	3:23	5:49	4.00	4.72	82%	88%
Position	N/A	N/A	1	1	N/A	N/A	1	1	3	1	1	2	2	2	4	1	3	5	3	2	3	
Malahide	19:47	22:34	17.29	15.16	21:05	18:37	16.12	18.25	4673	4766	2579	2573	60.55%	62.77%	2:31	2:30	3:01	2:23	3.90	5.72	82%	74%
Position	N/A	N/A	3	6	N/A	N/A	3	2	2	2	6	7	1	1	4	6	2	1	2	4	3	
North Clondalkin	38:59	41:33	13.74	12.89	47:35	45:43	11.28	11.74	1625	1845	1989	2016	41.08%	43.79%	7:35	7:09	6:44	6:59	9.25	10.10	0%	0%
Position	N/A	N/A	7	7	N/A	N/A	7	7	9	9	7	8	7	8	9	9	8	8	9	9	9	
Rathfarnham	42:51	37:17	8.54	9.81	42:50	33:38	9.08	11.57	1954	1985	2813	2829	37.57%	38.27%	3:55	6:09	6:16	7:50	5.05	6.57	68%	62%
Position	N/A	N/A	9	9	N/A	N/A	9	8	7	7	5	6	9	9	8	8	6	9	5	5	6	
Stillorgan	28:49	29:15	19.12	18.84	32:00	30:15	17.17	18.16	3859	4194	3328	3481	45.51%	48.95%	1:37	2:00	6:36	5:56	3.61	5.39	80%	76%
Position	N/A	N/A	2	2	N/A	N/A	2	3	4	4	4	5	6	7	1	2	7	6	1	3	5	
Swords	61:22	48:20	13.84	17.58	59:53	56:05	14.10	15.06	1927	1915	4897	4851	48.81%	52.10%	3:38	3:58	8:08	6:32	5.52	6.75	52%	58%
Position	N/A	N/A	6	4	N/A	N/A	4	4	8	8	2	3	4	3	7	7	9	7	6	7	7	
Tallaght	46:18	42:40	11.73	12.73	47:56	43:16	11.31	13.65	2680	3245	1965	1769	39.80%	49.83%	2:05	2:08	2:33	3:35	5.55	6.62	84%	64%
Position	N/A	N/A	8	8	N/A	N/A	6	5	5	5	8	9	8	6	2	4	1	2	7	6	2	
Totals for 9 QBCs	N/A	N/A	14.41	15.70	N/A	N/A	13.35	14.27	28268	30187	27261	27453	48.91%	50.42%	3:13	3:22	5:13	5:13	4.92	5.79	71%	68%
QBC Specification	N/A	N/A	17.60	17.60	N/A	N/A	17.60	17.60	N/A	N/A	N/A	N/A	N/A	N/A	3:00	3:00	4:00	4:00	5.00	5.00	100%	100%

Notes:

1 1 2 2 1 1 2 2 3 3 4 4 5 5

1 N/A = Not Applicable

2 QBC Specification of Bus Journey Speed of 20 kph minimum excludes boarding and alighting time at an average of 12%

3 Cordon Counts 0700 - 1000

4 Cordon Counts 0700 - 1000 Swords and Finglas QBC Crossings at Binns Bridge

5 Cordon Counts 0700 - 1000 Swords and Finglas QBC Crossings at Binns Bridge

Items highlighted in yellow indicate an improvement in the last 12 months

Table 6 Performance Indicators 2007/2008

QBC Performance Indicators Comparison 2007 - 2008																						
Corridor	Bus Journey Times AM		Bus Speeds AM Peak		Bus Journey Times PM		Bus Speeds PM Peak		BAC Bus Pax QBC Routes		Cars Crossing Canal		Bus Mode Share		Ave Wait Time AM Peak		Ave Wait Time Off Peak		Fleet Age Average		Low Floor Buses % Fleet	
	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2007	2007	2008	2007	2008	2007	2008	2007	2008
Ballymun	38:37	31:59	10.10	12.19	29:43	35:28	13.21	11.38	2205	2075	2551	2459	38.09%	41.00%	3:26	3:45	3:47	4:11	5.97	5.48	66%	93%
	N/A	N/A	7	6	N/A	N/A	4	7	2	2	5	3	5	5	2	3	3	4	6	5	6	4
Bray	24:44	25:11	23.11	22.69	21:55	23:19	25.94	24.38	1488	1614	1782	1711	27.84%	33.14%	3:23	3:59	4:04	3:57	2.96	2.30	91%	90%
	N/A	N/A	1	1	N/A	N/A	1	1	4	3	1	1	6	6	1	4	4	2	3	1	3	5
Clontarf	7:41	7:57	21.42	20.70	9:10	9:09	18.91	18.94	1630	1351	2579	2573	60.55%	62.77%	3:52	3:32	4:35	5:06	7.27	5.24	32%	100%
	N/A	N/A	2	2	N/A	N/A	2	2	3	4	6	4	1	1	3	2	5	6	7	4	7	1
Crumlin Road	31:28	30:33	10.56	10.88	40:59	27:44	7.91	11.69	2497	2856	2537	2698	42.42%	46.40%	4:24	2:44	2:40	2:20	5.56	6.24	83%	78%
	N/A	N/A	6	7	N/A	N/A	7	6	1	1	3	6	3	3	4	1	1	1	5	7	5	6
Howth Road	13:33	15:13	18.39	16.38	14:54	15:33	17.51	16.78	1380	1299	2579	2573	60.55%	62.77%	5:08	7:16	4:46	4:34	2.60	6.00	90%	53%
	N/A	N/A	3	3	N/A	N/A	3	3	5	6	6	4	1	1	5	7	6	5	2	6	4	7
Rock Road	27:53	32:11	17.78	15.41	39:42	37:34	11.65	12.32	1047	1123	1782	1711	27.84%	33.14%	6:00	5:58	3:00	3:57	3.33	5.03	100%	100%
	N/A	N/A	4	4	N/A	N/A	5	5	6	6	1	1	6	6	6	5	2	2	4	3	1	1
South Clondalkin	62:34	57:45	12.50	13.55	80:25	55:21	9.63	13.99	531	613	2537	2698	42.42%	46.40%	8:41	7:10	5:51	6:06	2.14	3.30	100%	100%
	N/A	N/A	5	5	N/A	N/A	6	4	7	7	3	6	3	3	7	6	7	7	1	2	1	1
Totals for 7 QBCs	N/A	N/A	14.46	14.87	N/A	N/A	12.49	14.54	10247	10318	11231	11152	N/A	N/A	5:01	4:53	4:50	4:16	4.80	5.22	81.17%	86.70%
QBC Specification	N/A	N/A	17.60	17.60	N/A	N/A	17.60	17.60	N/A	N/A	N/A	N/A	N/A	N/A	3:00	3:00	4:00	4:00	5.00	5.00	100%	100%

Notes:

1 1 1 1 2 2 3 3 3 3

1 QBC Specification of Bus Journey Speed of 20 kph minimum excludes boarding and alighting time at an average of 12%

2 Cordon Counts 0700 - 1000

3 Canal Crossing point for Clontarf QBC & Howth Road QBC at Newcomen Bridge

4 Canal Crossing point for Crumlin Road QBC & South Clondalkin QBC at Dolphins Barn

Items highlighted in yellow indicate an improvement in the last 12 months

9 Mode Share

In November of each year Dublin City Council undertakes counts at 33 locations around the cordon formed by the Royal and Grand Canals. The counts are carried out between 0700 and 1000 and measure the volume of citybound traffic by type. The results are expressed in terms of the number of vehicles with the exception of pedestrians.

At the request of the DTO the counts now include counting taxis separately and also measure car and taxi occupancy. The data from these counts, and from the bus passenger counts undertaken simultaneously by Dublin Bus, provide the information necessary to calculate mode share. As Luas became operational in the summer of 2004, a similar count was undertaken by the Railway Procurement Agency measuring the number of citybound passengers crossing the canal cordon points between 0700 and 1000 on both the Red and Green Lines. Similar data was extracted from an all day passenger count undertaken by Irish Rail.

Table 7 shows the number of people entering the city at those crossing points that are served by Quality Bus Corridors.

Table 7a shows the same results for the other crossing points that are served by bus.

Table 7b shows the same results for the remaining crossing points that have no bus services and also provides the summary position for the whole cordon.

Table 7c is a summary of the mode share covering the years 1997 to 2008

Table 7 – QBC Cordon Points

Mode Share - November 2008																	
Corridor	All Bus Pax	Mode Share	Rail	Mode Share	Car Persons	Mode Share	Taxi Pax	Mode Share	CV	Mode Share	M/C	Mode Share	Cycle	Mode Share	Walk	Mode Share	Totals
Stillorgan	6179	48.95%			4003	31.71%	116	0.92%	43	0.34%	222	1.76%	678	5.37%	1383	10.96%	12624
Lucan	7377	53.13%			5606	40.37%	218	1.57%	175	1.26%	209	1.51%	137	0.99%	163	1.17%	13885
Blanchardstown	7839	51.04%			5768	37.55%	128	0.83%	93	0.61%	174	1.13%	298	1.94%	1059	6.89%	15359
Malahide	8968	25.04%	21525	60.11%	2959	8.26%	282	0.79%	35	0.10%	232	0.65%	750	2.09%	1060	2.96%	35811
Tallaght	4744	49.83%			2034	21.37%	70	0.74%	25	0.26%	109	1.14%	672	7.06%	1866	19.60%	9520
Swords/Finglas	8555	52.10%			5579	33.98%	224	1.36%	54	0.33%	225	1.37%	440	2.68%	1342	8.17%	16419
Rathfarnham	3025	38.27%			3253	41.16%	56	0.71%	31	0.39%	206	2.61%	556	7.03%	777	9.83%	7904
North Clondalkin	2050	43.79%			2318	49.52%	35	0.75%	49	1.05%	51	1.09%	51	1.09%	127	2.71%	4681
Crumlin Road	3258	46.40%			3103	44.20%	93	1.32%	104	1.48%	75	1.07%	141	2.01%	247	3.52%	7021
Rock Road	1376	33.14%			1968	47.40%	57	1.37%	16	0.39%	67	1.61%	162	3.90%	506	12.19%	4152
Phibsborough Rd	3131	35.47%			2828	32.04%	107	1.21%	43	0.49%	99	1.12%	240	2.72%	1189	13.47%	8826
QBC Totals	56502	41.48%	21525	15.80%	39419	28.94%	1386	1.02%	668	0.49%	1669	1.23%	4125	3.03%	9719	7.14%	136202

Table 7a – Non QBC Cordon Points

Mode Share - November 2008																			
Cordon Point	All Bus Pax	Mode Share	Rail	Mode Share	Luas Pax	Mode Share	Car Persons	Mode Share	Taxi Pax	Mode Share	CV	Mode Share	M/C	Mode Share	Cycle	Mode Share	Walk	Mode Share	Totals
Charlemount	221	2.32%			6207	65.25%	1566	16.46%	32	0.34%	14	0.15%	46	0.48%	276	2.90%	1151	12.10%	9513
South Circular Rd	601	6.11%	3762	38.23%	3035	30.84%	2091	21.25%	30	0.30%	31	0.32%	40	0.41%	62	0.63%	188	1.91%	9840
Charleville Road	813	46.72%					731	42.01%	9	0.52%	3	0.17%	10	0.57%	28	1.61%	146	8.39%	1740
Baggot Street	595	14.62%					2095	51.47%	83	2.04%	24	0.59%	80	1.97%	228	5.60%	965	23.71%	4070
Ballybough Rd	793	12.38%					4792	74.78%	35	0.55%	24	0.37%	61	0.95%	159	2.48%	544	8.49%	6408
Barrow Street	726	18.00%					1772	43.93%	124	3.07%	54	1.34%	63	1.56%	158	3.92%	1137	28.19%	4034
Clogher Road	187	6.94%					2128	78.96%	17	0.63%	26	0.96%	30	1.11%	95	3.53%	212	7.87%	2695
Non QBC Totals	3936	10.25%	3762	9.80%	9242	24.06%	15282	39.79%	330	0.86%	176	0.46%	330	0.86%	1006	2.62%	4343	11.31%	38407
QBC Totals	56502	43.29%	21525	16.49%	0		36591	28.04%	1279	0.98%	625	0.48%	1570	1.20%	3885	2.98%	8530	6.54%	130507
All Bus Crossings	60438	35.78%	25287	14.97%	9242	5.47%	51873	30.71%	1609	0.95%	801	0.47%	1900	1.12%	4891	2.90%	12873	7.62%	168914

Table 7b – Non bus Cordon Points & Cordon Totals

Mode Share - November 2008																			
Cordon Point	All Bus Pax	Mode Share	Rail	Mode Share	Luas Pax	Mode Share	Car Persons	Mode Share	Taxi Pax	Mode Share	CV	Mode Share	M/C	Mode Share	Cycle	Mode Share	Walk	Mode Share	Totals
Grand Canal St	0		7037	68.11%			1681	16.27%	58	0.56%	30	0.29%	63	0.61%	134	1.30%	1329	12.86%	10332
Huband Bridge	0						457	44.67%	15	1.47%	9	0.88%	28	2.74%	149	14.57%	365	35.68%	1023
Herberton Bridge	0						2577	87.18%	30	1.01%	26	0.88%	28	0.95%	116	3.92%	179	6.06%	2956
Kilmainham Lane	0						764	83.59%	2	0.22%	3	0.33%	29	3.17%	57	6.24%	59	6.46%	914
Phoenix Park Main	0						1107	66.21%	11	0.66%	6	0.36%	122	7.30%	161	9.63%	265	15.85%	1672
Phoenix Park Back	0						1616	92.98%	4	0.23%	6	0.35%	6	0.35%	20	1.15%	86	4.95%	1738
Annamore Road	0						683	71.22%	10	1.04%	8	0.83%	9	0.94%	43	4.48%	206	21.48%	959
Royal Canal Bank	0						44	15.60%	0	0.00%	0	0.00%	5	1.77%	58	20.57%	175	62.06%	282
Russell Street	0						1257	74.42%	26	1.54%	18	1.07%	23	1.36%	76	4.50%	289	17.11%	1689
Ossory Road	0						212	34.14%	8	1.29%	5	0.81%	5	0.81%	58	9.34%	333	53.62%	621
Sheriff St Lower	0						1673	78.32%	25	1.17%	85	3.98%	20	0.94%	37	1.73%	296	13.86%	2136
North Wall Quay	0						1057	50.65%	22	1.05%	174	8.34%	27	1.29%	100	4.79%	707	33.88%	2087
Non Bus Totals	0	0.00%	7037	26.65%	0		13128	49.71%	211	0.80%	370	1.40%	365	1.38%	1009	3.82%	4289	16.24%	26409
Non QBC Totals	3936	8.96%	3762	8.56%	9242	21.03%	18003	40.97%	437	0.99%	219	0.50%	1570	3.57%	1246	2.84%	5532	12.59%	43947
QBC Totals	56502	43.68%	21525	16.64%	0		36591	28.28%	1279	0.99%	625	0.48%	429	0.33%	3885	3.00%	8530	6.59%	129366
All Bus Crossings	60438	34.87%	25287	14.59%	9242	5.33%	54594	31.50%	1716	0.99%	844	0.49%	1999	1.15%	5131	2.96%	14062	8.11%	173313
All Crossings (Car Occupancy)	60438	30.26%	32324	16.18%	9242	4.63%	67722 1.15	33.91%	1927 0.38	0.96%	1214	0.61%	2364	1.18%	6140	3.07%	18351	9.19%	199722

Table 7c – Mode Share Summary 1997 to 2008

Mode Share Summary - Persons Crossing Canal Cordon 0700-1000																					
Year	Total	Bus	Bus %	Rail	Rail %	Luas	Luas %	All PT	PT %	Car	Car%	Taxi	Taxi %	Walk	Walk%	Cycle	Cycle%	CV	CV%	MC	MC%
1997	179557	41270	22.98%	21416	11.93%	0	0.00%	62686	34.91%	89506	49.85%	N/A	N/A	16649	9.27%	5616	3.13%	3257	1.81%	1843	1.03%
1998	188987	52022	27.53%	24906	13.18%	0	0.00%	76928	40.71%	87009	46.04%	N/A	N/A	15541	8.22%	4574	2.42%	3090	1.64%	1845	0.98%
1999	N/A	55220	N/A	N/A	N/A	0	N/A	N/A	N/A	88647	N/A	N/A	N/A	18064	N/A	5335	N/A	3084	N/A	2244	N/A
2000	N/A	NA	N/A	27554	N/A	0	N/A	N/A	N/A	82201	N/A	N/A	N/A	15808	N/A	4464	N/A	3000	N/A	2345	N/A
2001	197097	58372	29.62%	26626	13.51%	0	0.00%	84998	43.12%	82607	41.91%	N/A	N/A	18558	9.42%	5085	2.58%	3004	1.52%	2845	1.44%
2002	195464	65483	33.50%	25339	12.96%	0	0.00%	90822	46.46%	76102	38.93%	1575	0.81%	16603	8.49%	4675	2.39%	2789	1.43%	2898	1.48%
2003	195618	67792	34.66%	24927	12.74%	0	0.00%	92719	47.40%	73701	37.68%	1878	0.96%	17305	8.85%	4711	2.41%	2653	1.36%	2651	1.36%
2004	192308	62345	32.42%	28201	14.66%	5622	2.92%	96168	50.01%	69918	36.36%	1738	0.90%	15241	7.93%	3941	2.05%	3053	1.59%	2249	1.17%
2005	N/A	59814	N/A	N/A	N/A	7244	N/A	N/A	N/A	63041	N/A	2078	N/A	16332	N/A	4404	N/A	2711	N/A	2187	N/A
2006	200171	59874	29.91%	33534	16.75%	9029	4.51%	102437	51.17%	68457	34.20%	2638	1.32%	17114	8.55%	4839	2.42%	2291	1.14%	2395	1.20%
2007	203959	57201	28.05%	35692	17.50%	9171	4.50%	102064	50.04%	71596	35.10%	2155	1.06%	18594	9.12%	5676	2.78%	1445	0.71%	2429	1.19%
2008	199722	60438	30.26%	32324	16.18%	9242	4.63%	102004	51.07%	67722	33.91%	1927	0.96%	18351	9.19%	6140	3.07%	1214	0.61%	2364	1.18%

Notes: No rail passenger data available for 1999 or 2005
 No bus passenger data available for 2000
 Bus Passengers for 1997 to 2001 are BAC passengers only
 Bus Passengers for 2002 onwards are for all buses ie including Bus Eireann and Private Operators
 Car figures are persons not cars - car occupancy levels counted by DCC
 Taxi figures only available from 2002 onwards - included with car 1997 to 2001
 Taxi figures are passengers carried - taxi occupancy counted by DCC
 CV - Commercial vehicles
 MC - Motorcycles
 Luas services were introduced in 2004.
 All data collected in November of each year

10 Final Reports

Comprehensive reports for the performance of each QBC have been prepared.

An example relating to the performance of Swords QBC is presented in this section.

Reports for all 16 QBCs can be obtained from Michael Warnock-Smith of Dublin Transportation Office at the following e-mail address:

michael.warnocksmith@dto.ie.

Each report gives detailed information on the performance indicators as follows:

- Bus journey times in the morning peak, off peak and afternoon/evening peak periods
- Bus speeds
- Comparative bus and car journey times for all time periods
- QBC infrastructure attributes including the level and operational hours of bus priority, the location of pedestrian crossing facilities relative to bus stops and the provision and quality of passenger waiting facilities and information
- Passenger waiting times
- Mode share comparing 2008 with 2007 and comparing 2008 with performance prior to the implementation of bus priority measures
- Quality of the bus fleet including the provision of low floor accessible buses
- Passenger journeys
- Bus occupancy levels
- Passenger satisfaction levels

The codes in the left hand column named “Spec Ref” match the performance indicators set out in the QBC Specification.

Table 8 Swords QBC Final Report

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT SWORDS NOVEMBER 2008					
A	INFRASTRUCTURE OBJECTIVES	PERFORMANCE INDICATORS		NOTES	
1	QBC starts on regional or higher classification road	Start Point	End Point		
		Swords	City Centre		
2	Bus services to have priority access to QBC from lower classification roads	No. of signalised jcts	% prioritised		
		9	0%		
3	Bus journey speeds to be 20kph minimum	Average journey speeds		Swords Main Street to O'Connell Street	
	Swords Main Street to O'Connell Street	AM Peak Inbound			
		17.58 km/h			
	Swords Main Street to O'Connell Street via Airport	Off Peak Inbound			
18.54 km/h					
Abbey Street Lower to Swords Main Street	PM Peak Outbound		Abbey Street Lower to Swords Main Street		
		15.06 km/h			
3a	Bus journey speeds to increase by 25% pre and post QBC implementation	Pre QBC average journey speeds		Dublin City Council November 2000	
	Collins Avenue to Eden Quay	AM Peak Inbound	Off Peak Inbound	Collins Avenue to Eden Quay	
		11.64 km/h	14.69 km/h		
		PM Peak Outbound			
		15.66 km/h			
			% increase		Comparison not applicable as Nov 2000 data excludes boarding & alighting time
			AM Peak	Off Peak	
		N/A	N/A		
		PM Peak			
		N/A			

Swords QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT						
SWORDS						
NOVEMBER 2008						
A	INFRASTRUCTURE OBJECTIVES		PERFORMANCE INDICATORS		NOTES	
4	Corridor to have segregated bus lanes where physically feasible		% Segregated		% Non Segregated	
			Inbound	Outbound	Inbound	Outbound
			71%	52	29%	48%
				Swords Main Street to O'Connell Street		
				Lower Abbey Street to Swords Main Street		
5	Bus Journey Times (Average)	AM Peak Inbound	AM Peak			
	Swords Main Street to O'Connell Street		48:20		Swords Main Street to O'Connell Street	
5	Bus Journey Times (Average)	Off Peak Inbound	Off Peak			
	Swords Main Street to O'Connell Street		53:54		Swords Main Street to O'Connell Street	
5	Bus Journey Times (Average)	PM Peak Outbound	PM Peak			
	Abbey Street Lower to Swords Main Street		56:05		Abbey Street Lower to Swords Main Street	
5	Comparable Bus v Car Journey Times (Average)	AM Peak Inbound	Bus AM Peak	Car AM Peak		
	Airside Business Park to Dorset Street Lower		35:56	39:48	Airside Business Park to Dorset Street Lower	
5	Comparable Bus v Car Journey Times (Average)	Off Peak Inbound	Bus Off Peak	Car Off Peak		
	Airside Business Park to Dorset Street Lower		28:31	18:51	Airside Business Park to Dorset Street Lower	
5	Comparable Bus v Car Journey Times (Average)	PM Peak Outbound	Bus PM Peak	Car PM Peak		
	Dorset Street Lower to Airside Business Park		35:45	40:51	Dorset Street Lower to Airside Business Park	

Swords QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT SWORDS NOVEMBER 2008							
A	INFRASTRUCTURE OBJECTIVES		PERFORMANCE INDICATORS				NOTES
5	Bus Sectional Journey Times (Range)	AM Peak	AM Peak				
			Low	High			
	Swords Main Street to O'Connell Street		31:20	58:05	Swords Main Street to O'Connell Street		
5	Bus Sectional Journey Times (Range)	Off Peak	Off Peak				
			Low	High			
	Swords Main Street to O'Connell Street		53:54	53:54	Swords Main Street to O'Connell Street		
5	Bus Sectional Journey Times (Range)	PM Peak	PM Peak				
			Low	High			
	Abbey Street Lower to Swords Main Street		41:50	69:53	Abbey Street Lower to Swords Main Street		
5	Comparable Bus v Car Journey Times (Range)	AM Peak	Bus		Car		
			AM Peak		AM Peak		
	Low	High	Low	High			
Airside Business Park to Dorset Street Lower		30:03	43:21	34:22	45:49	Airside Business Park to Dorset Street Lower	
5	Comparable Bus v Car Journey Times (Range)	Off Peak	Bus		Car		
			Off Peak		Off Peak		
	Low	High	Low	High			
Airside Business Park to Dorset Street Lower		26:27	30:33	16:52	20:12	Airside Business Park to Dorset Street Lower	

Swords QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT SWORDS NOVEMBER 2008							
A	INFRASTRUCTURE OBJECTIVES		PERFORMANCE INDICATORS				NOTES
5	Comparable Bus v Car Journey Times (Range)	PM Peak	Bus		Car		
			PM Peak		PM Peak		
	Low	High	Low	High			
	Dorset Street Lower to Airside Business Park		25:10	45:51	33:31	51:07	Dorset Street Lower to Airside Business Park
6	Traffic Management Measures to support QBC		No. of Signalised Jcts		% Prioritised		
			32	Inbound	0%		
			33	Outbound			
7	Bus Lanes to operate for 12 hours (0700 to 1900)		% Peak Hours only		% 12 hour		
			1.5%		35.5%		
			% 24 hour		% 7-10 & 12-19		
			35.5%		27.5%		
7a	Bus Lanes to be clearly defined		% surface marked		% signed		
			100%		93%		
8	Bus stops to be located to minimise walk times		Average distance to Ped X		Maximum distance to Ped X		
			135m		830m		

Swords QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT				
SWORDS				
NOVEMBER 2008				
A	INFRASTRUCTURE OBJECTIVES	PERFORMANCE INDICATORS		NOTES
9	High quality waiting areas at all high usage stops to include shelters, level platforms, seating, and additional facilities eg cycle parking, telephones & ticket vending m/c's	Total Number of bus shelters		Total Number of bus stops
		55		103
		% with lighting	% with seating	% bus shelters
		71%	75%	
		% with telephones	% with ticket vending	
		11%	0%	
		% with cycle parking	Range of cycle spaces	
		7%	4 to 12	
		% level platforms	% fully accessible	
86%	86%			
10	Passenger Information	% shelters with RTPI	% working	% bus shelters
10a	Real Time Passenger Information at high usage stops	0%	0%	
10b	Fixed Information at bus stops eg route & network maps & timetables	% timetables	% route maps	% bus stops
		51%	58%	
		% network maps	% fares information	
		56%	56%	

Swords QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT SWORDS NOVEMBER 2008				
B	SERVICE OBJECTIVES	PERFORMANCE INDICATORS		NOTES
1	Passenger Wait Times	Target	Actual	Timings at Richmond Road 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
1a	Average Peak Wait Time	3 minutes	3:58	
1b	Average Peak Excess Wait Time	Target	Actual	
		2 minutes	0:58	
1c	Average Off Peak Wait Time	Target	Actual	
		4 minutes	6:32	
1d	Average Off Peak Excess Wait Time	Target	Actual	
		2 minutes	2:32	
2	Boarding & Alighting time / % of total journey time	AM Peak	PM Peak	Cloghran Roundabout to O'Connell Street/Lower Abbey Street - November 2007
		11.34%	7.41%	
C	FLEET OBJECTIVES	PERFORMANCE INDICATORS		NOTES
2	Average Fleet age	Average Fleet age		
		6.75		
2a	Maximum Fleet age	Maximum Fleet age		
		11		
3	QBC to be operated by uniformed staff	% staff uniformed		
		100%		
4	QBC to be operated by low floor buses	% of low floor buses		
		58%		

Swords QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT					
SWORDS					
NOVEMBER 2008					
C	FLEET OBJECTIVES	PERFORMANCE INDICATORS		NOTES	
5	QBC to be operated by branded vehicles	% of branded vehicles		City Swift	
		0%			
D	NETWORK PERFORMANCE	PERFORMANCE INDICATORS		NOTES	
1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share		Car Occupancy 1.15	
		Car			
		Nov-07	Nov-08	Nov-07	Nov-08
		35.70%	33.98%	48.81%	52.10%
		Bus			
		Nov-07	Nov-08	Nov-07	Nov-08
		1.60%	1.36%	2.68%	2.68%
		Taxi			
		Nov-07	Nov-08	Nov-07	Nov-08
		1.60%	1.36%	2.68%	2.68%
		Cycle			
		Nov-07	Nov-08	Nov-07	Nov-08
		1.60%	1.36%	2.68%	2.68%
		Walking			
		Nov-07	Nov-08	Nov-07	Nov-08
		9.38%	8.17%	16733	16419
		Total Persons			
		Nov-07	Nov-08	Nov-07	Nov-08
		9.38%	8.17%	16733	16419
				Survey at Binns Bridge includes Finglas QBC	

Swords QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT SWORDS NOVEMBER 2008						
D	NETWORK PERFORMANCE	PERFORMANCE INDICATORS				NOTES
2	Assess the before & after impact of QBC on all Modes (Pre & Post QBC Analysis)	% Mode share				November 2008 Cordon Count includes all bus passengers
		Car		Bus		
		Pre QBC	Nov-08	Pre QBC	Nov-08	Pre QBC November 1999 Cordon Count includes Dublin Bus passengers only
		41.97%	33.98%	45.96%	52.10%	
		Taxi		Cycle		Car Occupancy 1.15
		Pre QBC	Nov-08	Pre QBC	Nov-08	
		N/A	1.36%	2.14%	2.68%	
Walking		Total Persons		Survey at Binns Bridge includes Finglas QBC		
Pre QBC	Nov-08	Pre QBC	Nov-08			
7.33%	8.17%	16006	16419			
E	ADDITIONAL OBJECTIVES	PERFORMANCE INDICATORS				NOTES
1	Passenger Journeys (Total)	Nov-07		Nov-08		Cordon Counts (0700 - 1000) BAC Designated QBC Routes
		1927		1915		
2	Bus Occupancy Levels (Average)	Peak		Off Peak		Inbound Survey at Canal Cordon 0800 - 0900 (AM Peak) and Richmond Road 1015 - 1115 (Off Peak)
		46		29		
5	Passenger Satisfaction Levels	% Satisfaction				Dublin Bus Survey November 2002
		Reliability		Quality of Service		
		54%		81%		
		Quality of Information		Value for Money		
N/A		75%				
9	Mobility Impaired Access % Full Accessibility	% buses		% bus stops		
		58%		42%		
		% ped x				
100%						

11 Sectional Bus and Car Journey Times

Comparative bus and car journey times were calculated for all sections of all QBCs where sufficient robust data was available. Sections where comparisons were either unable to be made or where not appropriate are marked as “N/A”.

Each QBC is split into sections with survey points located at strategic points of each corridor. In particular, survey points are located at the start and end of sections where bus priority has been provided with a view to measuring the effectiveness of the infrastructure on those sections.

Tables 9a to 9i inclusive show the results for the 9 main radial QBCs.

Tables 9j to 9m inclusive show the results for those QBCs monitored for the first time in 2004, namely Ballymun QBC, Bray QBC incorporating the N11 extension from Foxrock to Loughlinstown, Clontarf QBC and Howth Road QBC.

Tables 9n to 9p inclusive show the results from Crumlin Road QBC and the 2 QBCs launched in 2007, namely Rock Road and South Clondalkin

The tables show both the average and the range of bus and car journey times for the morning peak, off peak and afternoon/evening peak periods. Where car journey times exceed bus journey times the results are highlighted in yellow.

These tables should be looked at in conjunction with the bus speed **Tables 10a to 10p**, which give details of the length of each section and the length of bus priority.

Table 9a Blanchardstown QBC

Blanchardstown QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Ongar to Hansfield Road	Average Range	6:38 4:25 to 11:23	N/A N/A	N/A N/A	N/A N/A	6:23 4:03 to 8:02	N/A N/A	N/A N/A	N/A N/A
Blanchardstown Road South to Ongar via Hartstown	Average Range	N/A N/A	N/A N/A	21:36 17:15 to 28:39	N/A N/A	N/A N/A	N/A N/A	20:27 16:01 to 27:35	N/A N/A
Hansfield Road to Shelerin Road	Average Range	2:58 1:22 to 7:02	2:12 1:11 to 4:18	N/A N/A	N/A N/A	2:10 1:36 to 2:48	1:19 1:19	N/A N/A	N/A N/A
Shelerin Road Direct to Blanchardstown Rd Sth	Average Range	15:47 11:21 to 24:06	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Shelerin Rd via Hansfield & Town Centre to Blakestown Way (39)	Average Range	17:17 14:21 to 21:13	N/A N/A	N/A N/A	N/A N/A	20:14 19:06 to 21:23	N/A N/A	N/A N/A	N/A N/A
Blakestown Way to Rear of Shopping C'tre (Peak)	Average Range	4:10 3:05 to 5:28	3:55 1:57 to 9:03	2:06 1:41 to 2:31	1:40 1:17 to 2:08	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Blanchardstown Road South to Coolmine Rd (via TC Outbound)	Average Range	5:32 3:17 to 7:52	2:40 2:40	11:35 8:30 to 15:46	N/A N/A	5:01 4:41 to 5:16	3:24 3:24	10:01 8:30 to 12:16	N/A N/A
Rear of Shopping Centre to River Rd R'bt (Peak)	Average Range	8:32 7:18 to 11:20	11:00 2:54 to 15:59	2:25 1:55 to 3:14	1:24 0:37 to 2:20	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Coolmine Road to Main Street	Average Range	4:44 3:08 to 8:07	4:49 2:48 to 7:59	4:18 3:02 to 6:06	3:11 1:51 to 5:49	3:50 2:58 to 5:46	2:50 1:36 to 4:04	3:13 2:06 to 4:27	2:42 2:00 to 3:15
Main Street to River Road Roundabout	Average Range	8:09 3:56 to 13:31	10:09 3:17 to 16:14	3:33 2:39 to 5:00	2:25 1:14 to 3:00	5:03 4:33 to 5:54	4:19 3:25 to 5:13	3:44 3:02 to 5:22	2:36 2:06 to 3:18
River Road Rbt to New River Road	Average Range	3:04 1:38 to 4:40	3:04 1:30 to 5:04	3:30 1:51 to 5:44	5:39 2:25 to 9:15	2:04 1:32 to 2:39	1:59 1:13 to 2:44	3:45 2:08 to 6:06	2:35 1:32 to 4:15
New River Road to Ashtown Roundabout	Average Range	2:57 1:50 to 4:40	2:25 1:42 to 3:25	2:29 1:36 to 3:31	3:06 1:12 to 7:57	3:13 2:04 to 5:26	2:27 1:44 to 4:53	2:13 1:53 to 2:39	1:34 1:12 to 2:00

Table 9a Blanchardstown QBC (continued)

Blanchardstown QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Ashtown Roundabout to Nephin Road	Average Range	5:23 3:04 to 9:00	4:32 2:22 to 9:43	5:38 2:11 to 8:06	4:38 3:01 to 5:49	4:14 2:50 to 5:30	3:10 2:38 to 4:23	5:55 4:14 to 7:57	4:11 2:56 to 5:16
Nephin Road to Ratoath Road	Average Range	1:22 0:31 to 2:45	1:22 0:34 to 2:45	3:27 1:21 to 6:08	3:02 1:36 to 4:08	1:06 0:29 to 2:07	0:50 0:28 to 1:34	3:17 1:50 to 5:03	3:05 1:09 to 5:31
Ratoath Rd to Old Cabra Rd/North Circular Rd	Average Range	4:25 1:40 to 6:34	3:12 1:37 to 5:02	2:05 1:00 to 3:08	1:26 0:55 to 2:20	3:49 2:25 to 4:39	2:56 2:24 to 3:44	1:59 1:49 to 2:21	1:25 0:50 to 2:12
Old Cabra Rd/North Circular Rd to Manor St	Average Range	1:44 1:05 to 2:35	1:30 0:46 to 3:22	3:22 2:15 to 5:39	2:20 1:11 to 4:07	1:25 1:05 to 1:41	1:34 0:43 to 3:44	3:18 2:02 to 4:28	2:25 1:21 to 4:03
Manor Street to Blackhall Place/Bridge	Average Range	3:54 2:10 to 7:55	4:45 2:15 to 7:14	5:09 2:27 to 7:45	3:27 1:34 to 5:03	3:49 2:08 to 5:30	N/A N/A	4:23 2:51 to 6:03	3:18 1:38 to 6:33
Blackhall Place to Capel Street	Average Range	3:28 2:03 to 5:33	3:22 2:46 to 3:44	N/A N/A	N/A N/A	3:25 2:27 to 4:21	6:01 4:24 to 7:39	N/A N/A	N/A N/A
Capel Street to Westmoreland Street	Average Range	6:46 4:08 to 8:51	N/A N/A	N/A N/A	N/A N/A	5:11 4:14 to 7:24	N/A N/A	N/A N/A	N/A N/A
Hawkins St to Merchants Quay/Winetavern St	Average Range	N/A N/A	N/A N/A	13:36 7:03 to 21:43	N/A N/A	N/A N/A	N/A N/A	10:13 5:35 to 11:55	N/A N/A
Merchants Quay to Blackhall Bridge	Average Range	N/A N/A	N/A N/A	3:48 2:09 to 5:06	N/A N/A	N/A N/A	N/A N/A	2:32 1:56 to 3:18	2:06 2:06
New River Road to Westmoreland Street/Hawkins Street	Average Range	31:16 22:45 to 39:28	N/A N/A	40:12 33:45 to 46:07	N/A N/A	26:38 22:05 to 30:53	N/A N/A	39:32 32:01 to 48:19	N/A N/A

Table 9b Finglas QBC

Finglas QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Mellowes Bridge to Finglas	Average Range	2:31 1:25 to 3:27	N/A N/A	3:44 2:04 to 5:58	N/A N/A	2:55 2:08 to 3:20	N/A N/A	4:41 4:24 to 4:58	N/A N/A
Finglas to Prospect Road/Whitworth Rd	Average Range	9:04 5:41 to 15:20	12:49 7:20 to 23:31	7:27 5:12 to 9:45	9:13 8:05 to 10:14	7:55 6:17 to 10:14	8:20 6:04 to 10:41	7:01 4:29 to 9:05	7:16 5:55 to 9:17
Prospect Rd to Dorset Street Lower	Average Range	4:05 2:29 to 9:08	2:59 1:29 to 4:46	3:41 2:03 to 5:27	3:06 1:40 to 6:00	3:24 1:32 to 4:43	2:37 2:37	3:06 2:13 to 4:13	2:53 1:58 to 5:10
Dorset Street Lwr to Frederick St North	Average Range	3:52 1:59 to 6:00	N/A N/A	N/A N/A	N/A N/A	4:52 2:24 to 5:55	N/A N/A	N/A N/A	N/A N/A
Frederick St North to Parnell Square East	Average Range	1:51 0:28 to 4:57	N/A N/A	N/A N/A	N/A N/A	1:54 0:37 to 3:55	N/A N/A	N/A N/A	N/A N/A
O'Connell Street to Finglas Road via Phibsborough (140)	Average Range	N/A N/A	N/A N/A	28:10 21:23 to 34:37	N/A N/A	N/A N/A	N/A N/A	21:03 19:55 to 21:59	N/A N/A
Finglas to Parnell Sq East/Parnell Street	Average Range	17:04 11:23 to 24:53	N/A N/A	38:11 26:45 to 48:00	N/A N/A	16:58 13:46 to 19:21	N/A N/A	16:34 11:58 to 20:05	N/A N/A
Finglas to Parnell Sq East via Phibsboro	Average Range	21:27 15:57 to 27:38	N/A N/A	N/A N/A	N/A N/A	17:56 14:39 to 20:34	N/A N/A	N/A N/A	N/A N/A
Parnell Street to Dorset Street Lower	Average Range	N/A N/A	N/A N/A	27:35 15:53 to 35:45	N/A N/A	N/A N/A	N/A N/A	7:46 4:34 to 12:37	N/A N/A

Table 9c Lucan QBC

Lucan QBC Roadside Survey Results - November 2008									
Sectional Results - Journey Times									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Lucan Superquinn to Penny Hill Pub	Average Range	17:58 11:56 to 23:55	N/A N/A	13:35 9:53 to 16:42	N/A N/A	12:42 11:47 to 13:48	N/A N/A	13:49 11:40 to 15:58	N/A N/A
Penny Hill Pub to Foxhunter	Average Range	7:02 5:00 to 9:47	6:01 2:49 to 10:55	6:53 2:44 to 12:33	4:09 2:49 to 7:41	4:35 3:53 to 5:17	4:23 3:32 to 4:59	4:03 3:51 to 4:16	N/A N/A
Foxhunter to West of M50	Average Range	4:03 1:50 to 7:22	3:02 1:41 to 7:56	5:55 2:18 to 12:19	3:28 1:29 to 10:10	3:29 2:23 to 4:16	1:53 1:28 to 3:29	3:31 3:00 to 3:56	2:11 1:21 to 4:42
West of M50 to Palmerston	Average Range	4:34 2:19 to 9:27	4:52 1:34 to 12:18	3:46 2:26 to 5:18	2:37 1:22 to 4:45	2:56 2:19 to 4:01	2:11 1:06 to 2:46	3:36 2:26 to 3:59	2:53 1:34 to 4:43
Palmerston to Con Colbert Rd	Average Range	4:37 3:28 to 5:54	5:31 2:46 to 9:46	6:35 4:08 to 9:14	6:53 3:07 to 13:02	N/A N/A	3:33 2:20 to 4:20	N/A N/A	3:40 2:38 to 4:56
Palmerston to Conyngham Road	Average Range	11:57 7:04 to 19:39	10:18 6:27 to 17:33	12:07 9:50 to 15:22	10:43 7:30 to 13:00	7:05 6:21 to 7:52	5:36 4:11 to 7:50	9:56 8:30 to 11:33	7:17 5:59 to 8:18
Con Colbert Road to Heuston Station	Average Range	4:04 2:35 to 6:04	10:16 3:26 to 16:08	2:58 1:57 to 4:26	2:27 1:40 to 4:11	2:54 2:54	2:46 1:26 to 4:43	3:16 2:42 to 3:50	2:29 1:32 to 4:01
Heuston Station to Ellis Quay	Average Range	2:41 1:12 to 6:37	3:03 1:17 to 5:50	N/A N/A	N/A N/A	2:57 2:17 to 3:37	4:48 1:48 to 7:05	N/A N/A	N/A N/A
Heuston Station to Bachelors Walk	Average Range	11:07 6:52 to 15:44	11:11 5:54 to 18:42	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A

Table 9c Lucan QBC (continued)

Lucan QBC Roadside Survey Results - November 2008									
Sectional Results - Journey Times									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Conyngham Road to Parkgate Street	Average Range	3:55 2:12 to 8:37	7:49 3:32 to 11:34	N/A N/A	N/A N/A	2:55 2:15 to 3:24	N/A N/A	N/A N/A	N/A N/A
Con Colbert Road to Ellis Quay	Average Range	6:59 4:58 to 13:11	13:49 4:56 to 20:02	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Parkgate Street to Ellis Quay	Average Range	1:38 1:03 to 2:22	2:33 1:21 to 4:51	N/A N/A	N/A N/A	1:48 0:56 to 2:48	2:21 2:21	N/A N/A	N/A N/A
Ellis Quay to Arran Quay	Average Range	1:47 0:47 to 3:18	2:36 0:58 to 3:38	N/A N/A	N/A N/A	1:41 1:01 to 3:13	2:36 0:34 to 3:40	N/A N/A	N/A N/A
Arran Quay to Bachelors Walk	Average Range	6:13 3:23 to 10:59	4:47 2:10 to 10:39	N/A N/A	N/A N/A	5:51 4:31 to 7:30	6:33 4:22 to 7:53	N/A N/A	N/A N/A
Pearse Street to Wellington Quay	Average Range	N/A N/A	N/A N/A	7:19 4:01 to 12:31	N/A N/A	N/A N/A	N/A N/A	6:56 5:54 to 8:21	N/A N/A
Wellington Quay to Merchants Quay	Average Range	N/A N/A	N/A N/A	2:43 1:28 to 4:57	4:11 1:55 to 6:32	N/A N/A	N/A N/A	2:54 1:34 to 4:56	2:36 2:04 to 3:04
Merchants Quay to Heuston Station	Average Range	N/A N/A	N/A N/A	4:23 2:51 to 5:44	4:04 2:10 to 5:10	N/A N/A	N/A N/A	3:11 2:27 to 3:40	2:54 2:18 to 3:54
Merchants Quay to Conyngham Road	Average Range	N/A N/A	N/A N/A	7:02 4:13 to 10:03	N/A N/A	N/A N/A	N/A N/A	6:02 4:10 to 9:43	N/A N/A
Foxhunter to Bachelors Walk/Wellington Quay via Bypass	Average Range	28:35 22:25 to 36:48	33:22 16:32 to 49:25	26:40 19:21 to 37:13	28:20 18:03 to 36:02	N/A N/A	26:13 24:24 to 27:38	N/A N/A	N/A N/A
Foxhunter to Bachelors Walk/Wellington Q via Chapelizod	Average Range	35:27 23:45 to 46:51	N/A N/A	31:45 25:31 to 38:35	N/A N/A	26:15 24:38 to 28:25	N/A N/A	26:10 25:24 to 26:55	N/A N/A

Table 9d Malahide QBC

Malahide QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Clare Hall to Priorswood Road	Average Range	4:10 2:33 to 6:41	2:54 2:09 to 4:39	3:28 1:50 to 5:33	2:51 2:23 to 3:41	2:56 1:21 to 4:03	2:01 1:30 to 2:49	2:53 2:02 to 4:02	2:21 1:06 to 3:01
Priorswood Rd to Greencastle Rd (Direct)	Average Range	2:22 1:04 to 5:10	3:31 0:58 to 6:49	2:53 1:01 to 4:18	2:22 1:08 to 3:42	1:55 0:56 to 2:27	1:56 1:01 to 2:56	3:04 2:04 to 3:30	2:40 2:32 to 2:49
Priorswood Rd to Greencastle Rd (Darndale)	Average Range	15:21 8:14 to 22:35	N/A N/A	12:46 9:13 to 16:03	N/A N/A	13:16 10:29 to 15:10	N/A N/A	12:20 9:10 to 16:14	N/A N/A
Greencastle Road to North of Kilmore Road	Average Range	6:24 2:51 to 10:25	6:10 2:58 to 10:03	4:44 2:38 to 8:03	5:28 3:15 to 7:54	4:46 2:54 to 6:39	3:48 2:51 to 4:40	4:25 2:42 to 6:51	4:01 2:38 to 6:03
North of Kilmore Road to St Davids Wood	Average Range	1:28 0:28 to 3:51	4:04 0:19 to 12:33	N/A N/A	N/A N/A	0:38 0:14 to 1:13	0:25 0:06 to 0:49	N/A N/A	N/A N/A
St Davids Wood to Collins Avenue	Average Range	4:23 0:51 to 15:58	3:26 0:47 to 12:30	N/A N/A	N/A N/A	1:45 0:52 to 3:02	1:37 0:45 to 4:15	N/A N/A	N/A N/A
Collins Avenue to Casino Park	Average Range	1:47 0:18 to 7:01	1:44 0:15 to 6:47	N/A N/A	N/A N/A	1:00 0:21 to 1:57	0:41 0:12 to 2:08	N/A N/A	N/A N/A
Casino Park to Fairview	Average Range	3:11 1:20 to 5:15	3:13 1:38 to 5:05	N/A N/A	N/A N/A	2:21 1:36 to 3:27	1:59 1:35 to 2:29	N/A N/A	N/A N/A
Fairview to Amiens Street/North Strand	Average Range	6:34 3:21 to 9:00	8:21 5:52 to 9:53	5:46 2:42 to 11:36	5:28 3:03 to 7:09	5:05 4:09 to 6:55	3:30 2:59 to 4:01	4:34 2:37 to 6:37	N/A N/A
Amiens Street/North Strand to Talbot Street	Average Range	2:08 0:33 to 5:56	N/A N/A	12:11 6:21 to 21:20	N/A N/A	1:41 0:35 to 3:19	N/A N/A	6:57 3:27 to 10:20	N/A N/A
Collins Avenue to Kilmore Road	Average Range	N/A N/A	N/A N/A	2:51 1:45 to 4:36	2:58 1:11 to 6:49	N/A N/A	N/A N/A	2:35 1:33 to 4:10	1:42 1:08 to 2:19
Griffith Avenue to Collins Avenue	Average Range	N/A N/A	N/A N/A	2:59 1:37 to 4:30	2:40 1:17 to 5:59	N/A N/A	N/A N/A	2:42 1:24 to 4:43	2:30 2:00 to 3:17
Fairview to Griffith Avenue	Average Range	N/A N/A	N/A N/A	2:43 1:22 to 4:43	2:33 1:35 to 3:21	N/A N/A	N/A N/A	2:32 0:58 to 4:05	2:35 1:56 to 3:10
Greencastle Road to Amiens Street	Average Range	22:34 12:29 to 40:25	25:06 14:23 to 44:23	18:37 14:08 to 22:58	18:01 13:19 to 22:58	16:05 13:57 to 18:12	10:35 8:51 to 11:43	16:27 14:26 to 18:51	N/A N/A
Clare Hall to Talbot Street (via Darndale)	Average Range	42:18 28:53 to 58:57	N/A N/A	47:52 38:44 to 62:52	N/A N/A	34:12 31:26 to 36:35	N/A N/A	36:41 29:18 to 43:38	N/A N/A

Table 9e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Liffey Valley Centre to Coldcut Road	Average Range	N/A	N/A	19:25	N/A	16:52	N/A	17:53	N/A
		N/A	N/A	16:43 to 22:04	N/A	13:36 to 19:43	N/A	16:33 to 19:14	N/A
Coldcut Road to Ballyfermot/Kylemore	Average Range	7:45	7:31	14:22	12:10	8:39	6:36	9:49	11:01
		3:25 to 13:36	3:56 to 13:39	5:23 to 26:01	3:06 to 23:34	7:43 to 9:34	5:14 to 8:13	8:24 to 11:19	11:01
Ballyfermot/Kylemore to Emmet Road	Average Range	10:37	9:10	6:18	7:42	6:25	4:11	6:13	N/A
		5:38 to 21:38	5:02 to 17:36	4:23 to 8:21	6:36 to 9:10	4:54 to 8:21	3:48 to 4:36	5:58 to 6:26	N/A
Emmet Rd to Mount Brown/James Street	Average Range	6:57	5:22	12:20	9:27	6:03	6:42	7:37	5:17
		5:13 to 10:02	4:24 to 6:17	4:06 to 25:29	4:01 to 26:21	4:06 to 8:27	4:29 to 8:54	6:11 to 9:19	4:28 to 6:10
Mount Brown / James St to Cornmarket	Average Range	5:16	4:40	4:14	2:32	5:00	5:01	4:03	2:32
		2:55 to 12:19	1:24 to 8:41	2:24 to 9:35	1:42 to 4:39	3:12 to 7:14	3:48 to 5:48	2:23 to 5:20	1:33 to 3:46
Cornmarket to Westmoreland Street	Average Range	8:44	N/A	N/A	N/A	7:24	N/A	N/A	N/A
		5:24 to 13:09	N/A	N/A	N/A	6:19 to 9:18	N/A	N/A	N/A
Aston Quay to Bridge Street	Average Range	N/A	N/A	4:36	4:32	N/A	N/A	3:37	2:39
		N/A	N/A	2:23 to 7:37	2:22 to 7:31	N/A	N/A	2:04 to 7:15	2:02 to 3:15
Bridge Street to Cornmarket	Average Range	N/A	N/A	2:18	1:21	N/A	N/A	2:30	2:00
		N/A	N/A	0:56 to 3:18	1:21	N/A	N/A	1:16 to 3:22	1:16 to 2:57
Coldcut Road to Westmoreland St/Aston Q	Average Range	41:33	N/A	45:43	41:05	37:59	N/A	31:56	N/A
		26:42 to 58:32	N/A	22:42 to 64:29	25:21 to 55:12	37:59	N/A	29:05 to 34:40	N/A
Liffey Valley Centre to Westmoreland St/Aston Q	Average Range	N/A	N/A	65:41	N/A	43:04	N/A	52:33	N/A
		N/A	N/A	43:58 to 77:39	N/A	43:04	N/A	52:33	N/A
Emmet Road to Westmoreland St/Aston Q	Average Range	21:09	N/A	24:24	N/A	19:05	N/A	17:41	11:58
		14:45 to 26:57	N/A	14:11 to 39:26	N/A	15:58 to 23:24	N/A	14:22 to 20:19	10:25 to 13:31

Table 9f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results - November 2008									
Sectional Results									
Section	Average Range	AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Nutgrove Ave Terminus to Oakdown Road	Average Range	0:38 0:17 to 1:24	0:36 0:26 to 0:51	0:35 0:18 to 0:51	0:23 0:15 to 0:31	0:44 0:24 to 1:08	0:34 0:18 to 0:46	N/A N/A	N/A N/A
Oakdown Rd to R'nham Rd/Butterfield Avenue	Average Range	6:57 5:17 to 9:14	4:49 3:31 to 6:07	6:26 5:03 to 8:52	5:57 5:57	6:54 5:28 to 7:59	5:56 5:56	6:23 5:40 to 7:04	N/A N/A
Rathfarnham Road to Butterfield Avenue	Average Range	N/A N/A	N/A N/A	0:46 0:15 to 2:24	0:26 0:13 to 0:42	N/A N/A	N/A N/A	0:23 0:16 to 0:31	0:18 0:11 to 0:31
Rathfarnham Road to Brookvale Road	Average Range	1:39 0:21 to 2:58	2:22 0:30 to 4:05	N/A N/A	N/A N/A	0:52 0:17 to 1:37	0:42 0:23 to 1:22	N/A N/A	N/A N/A
Terenure Road North to Rathfarnham Road	Average Range	N/A N/A	N/A N/A	6:30 3:24 to 10:14	7:09 4:50 to 8:25	N/A N/A	N/A N/A	5:06 3:40 to 6:38	4:04 2:27 to 5:25
Brookvale Road to Terenure Road East	Average Range	3:38 1:25 to 7:36	4:33 1:18 to 7:08	N/A N/A	N/A N/A	2:20 1:38 to 2:56	2:01 1:14 to 3:12	N/A N/A	N/A N/A
Whitton Road to Terenure Road North	Average Range	N/A N/A	N/A N/A	0:31 0:11 to 1:21	0:27 0:09 to 1:05	N/A N/A	N/A N/A	1:07 0:30 to 1:29	0:34 0:10 to 1:03
Terenure Road East to Mount Tallant Avenue	Average Range	3:18 1:45 to 4:39	2:08 1:12 to 3:08	N/A N/A	N/A N/A	3:25 3:04 to 3:55	2:01 1:23 to 2:39	N/A N/A	N/A N/A
Harolds Cross/Leinster Rd to Whitton Road	Average Range	N/A N/A	N/A N/A	5:43 3:31 to 9:50	5:19 3:46 to 9:29	N/A N/A	N/A N/A	3:52 3:11 to 4:27	3:16 2:30 to 3:39
Mount Tallant Avenue to Leinster Road West	Average Range	3:09 1:18 to 8:00	1:49 0:42 to 3:33	N/A N/A	N/A N/A	1:56 1:18 to 3:00	1:35 0:38 to 2:13	N/A N/A	N/A N/A
Leinster Road West to Harolds Cross Road	Average Range	1:38 0:14 to 3:33	0:41 0:09 to 1:49	N/A N/A	N/A N/A	0:43 0:29 to 1:01	0:25 0:13 to 0:38	N/A N/A	N/A N/A
Canal to Harolds Cross/Leinster Rd	Average Range	N/A N/A	N/A N/A	2:27 0:56 to 3:40	2:06 1:02 to 4:42	N/A N/A	N/A N/A	1:37 1:03 to 2:24	1:22 0:53 to 1:54
Harolds Cross/Leinster Rd to Clanbrassil St	Average Range	4:09 2:24 to 5:44	4:04 1:35 to 6:52	N/A N/A	N/A N/A	2:51 2:03 to 3:22	2:35 1:48 to 3:52	N/A N/A	N/A N/A

Table 9f Rathfarnham QBC (continued)

Rathfarnham QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Clanbrassil Street to Canal	Average Range	N/A N/A	N/A N/A	2:28 1:14 to 5:12	2:37 1:34 to 4:18	N/A N/A	N/A N/A	1:20 0:43 to 2:02	0:55 0:34 to 1:16
Clanbrassil Street to South Circular Road	Average Range	2:12 1:25 to 3:52	3:35 1:30 to 6:10	1:25 0:23 to 3:09	2:43 0:46 to 4:22	2:11 1:19 to 3:57	1:54 1:48 to 2:01	2:03 0:54 to 2:52	1:26 0:29 to 3:05
Clanbrassil Street/Canal to Dean Street	Average Range	6:18 3:24 to 9:16	3:43 0:57 to 5:50	5:30 3:43 to 7:17	2:53 2:22 to 4:00	2:43 2:11 to 3:15	2:07 1:09 to 2:54	4:08 3:10 to 4:57	3:57 2:05 to 5:54
Dean St to Westmoreland St/College Green	Average Range	10:04 6:34 to 13:15	N/A N/A	9:43 5:47 to 17:06	N/A N/A	6:26 6:11 to 6:56	N/A N/A	5:28 3:34 to 7:34	N/A N/A
South Circular Road to Camden Street	Average Range	5:39 1:48 to 8:39	N/A N/A	5:48 3:46 to 13:05	N/A N/A	3:25 2:01 to 4:30	3:28 3:28	4:43 3:27 to 6:50	4:00 3:29 to 4:31
Camden Street to Bishop Street	Average Range	1:58 0:39 to 3:29	1:57 0:35 to 3:38	2:21 1:14 to 4:14	2:25 1:26 to 3:33	0:58 0:21 to 1:40	0:59 0:37 to 1:26	1:54 1:06 to 2:39	1:59 0:55 to 2:32
Bishop St to W'land St/College Green	Average Range	4:47 2:20 to 8:16	N/A N/A	4:39 2:29 to 6:59	N/A N/A	6:50 5:02 to 8:17	N/A N/A	4:17 2:43 to 7:35	N/A N/A
Camden St to W'land St/College Green	Average Range	8:53 5:07 to 12:56	N/A N/A	7:00 4:40 to 10:20	N/A N/A	7:37 5:49 to 9:06	N/A N/A	6:09 4:34 to 9:15	N/A N/A
Bishop Street to Stephen Street	Average Range	2:08 1:05 to 3:34	1:19 0:45 to 2:09	N/A N/A	N/A N/A	2:46 1:57 to 4:30	1:12 0:46 to 1:30	N/A N/A	N/A N/A
Stephen Street to Westmoreland Street	Average Range	4:47 2:20 to 8:16	N/A N/A	N/A N/A	N/A N/A	3:46 2:19 to 4:58	N/A N/A	N/A N/A	N/A N/A
Westmoreland Street to Parnell Square West	Average Range	5:22 2:52 to 10:44	N/A N/A	N/A N/A	N/A N/A	7:39 4:34 to 16:10	N/A N/A	N/A N/A	N/A N/A
Parnell Square East to College Green	Average Range	N/A N/A	N/A N/A	11:44 6:06 to 18:59	N/A N/A	N/A N/A	N/A N/A	8:21 5:43 to 11:34	N/A N/A
Rathfarnham to Westmoreland Street/College Green	Average Range	37:17 27:56 to 53:06	N/A N/A	33:38 25:56 to 38:54	N/A N/A	25:13 21:15 to 27:19	N/A N/A	26:44 24:41 to 30:29	N/A N/A

Table 9g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Dun Laoghaire Station to Foxrock Church	Average Range	20:06 12:31 to 26:29	N/A N/A	16:11 10:58 to 20:40	N/A N/A	22:22 21:22 to 23:54	N/A N/A	16:23 13:01 to 18:00	N/A N/A
Foxrock Church to Mount Merrion Avenue	Average Range	10:15 6:25 to 15:34	10:05 4:55 to 19:49	9:47 7:19 to 15:04	6:53 5:03 to 8:42	7:43 6:21 to 8:48	6:08 5:30 to 7:00	10:18 7:03 to 12:18	5:15 3:50 to 7:02
Mount Merrion Avenue to Donnybrook	Average Range	8:53 5:14 to 13:40	12:05 4:07 to 26:20	9:16 6:11 to 16:49	9:48 7:46 to 11:32	7:26 5:23 to 10:18	5:14 4:37 to 5:50	7:25 6:20 to 9:22	5:49 5:49
Donnybrook to Morehampton Road	Average Range	4:34 2:09 to 8:49	8:33 7:51 to 8:54	4:04 2:07 to 6:30	3:05 2:15 to 3:41	5:01 3:36 to 8:27	6:28 5:12 to 9:28	4:02 2:40 to 6:04	3:23 2:33 to 3:48
Morehampton Road to Leeson Street	Average Range	5:46 3:40 to 8:13	3:48 2:31 to 5:15	7:21 3:57 to 12:42	N/A N/A	5:02 3:49 to 6:19	3:45 2:36 to 4:34	4:31 2:22 to 5:47	N/A N/A
Leeson St to D'Olier/W'moreland Street	Average Range	7:25 3:49 to 10:54	N/A N/A	8:59 5:42 to 14:16	N/A N/A	7:21 5:51 to 9:00	N/A N/A	7:46 5:30 to 11:01	N/A N/A
Parnell Square East to D'Olier Street	Average Range	N/A N/A	N/A N/A	9:52 4:32 to 14:28	N/A N/A	N/A N/A	N/A N/A	6:10 3:32 to 8:53	N/A N/A
Foxrock Church to Leeson Street	Average Range	29:15 19:31 to 40:08	30:39 14:17 to 49:17	30:15 24:50 to 43:28	N/A N/A	25:14 19:34 to 30:46	19:38 18:43 to 21:10	24:53 16:55 to 30:09	N/A N/A
Foxrock Church to W'moreland/D'Olier St	Average Range	36:36 25:02 to 45:11	N/A N/A	39:34 34:02 to 47:55	N/A N/A	30:37 26:11 to 37:47	N/A N/A	31:41 24:30 to 37:15	N/A N/A
Dun Laoghaire to W'moreland/D'Olier St	Average Range	59:16 41:29 to 70:56	N/A N/A	57:41 51:14 to 65:40	N/A N/A	52:52 51:03 to 54:40	N/A N/A	N/A N/A	N/A N/A

Table 9h Swords QBC

Swords QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
County Council to Swords Main Street	Average Range	2:32 0:57 to 4:49	1:16 0:25 to 3:18	1:53 0:15 to 6:37	1:21 0:29 to 3:54	2:42 1:51 to 3:27	2:02 1:35 to 2:25	1:23 0:46 to 2:30	2:22 0:32 to 4:10
Swords Main Str to Airside Business Pk	Average Range	4:29 3:10 to 5:55	3:30 2:03 to 6:39	5:39 3:26 to 8:09	5:05 2:49 to 9:53	4:26 3:01 to 5:56	5:32 3:31 to 7:45	5:35 4:30 to 6:58	N/A N/A
Airside Business Pk to Cloghran R'bout	Average Range	2:29 1:41 to 3:42	2:13 0:59 to 5:55	2:27 1:19 to 3:58	2:26 0:57 to 6:44	1:52 1:35 to 2:13	1:39 1:12 to 2:30	2:22 1:44 to 3:23	2:02 1:13 to 3:36
County Council to Cloghran R'bout	Average Range	9:26 7:11 to 12:03	7:06 4:04 to 10:16	9:47 7:55 to 12:52	N/A N/A	8:57 7:04 to 11:14	7:31 7:31	10:01 7:35 to 11:42	N/A N/A
Cloghran Rbt to Airport South (Not via Airport)	Average Range	2:57 2:05 to 4:08	2:27 1:47 to 4:13	4:11 2:56 to 5:51	3:12 2:03 to 4:10	2:12 1:53 to 2:36	2:05 1:30 to 2:22	3:44 2:45 to 4:24	2:20 2:11 to 2:29
Cloghran Rbt to Airport South (Via Airport)	Average Range	11:29 10:29 to 12:56	N/A N/A	8:09 5:46 to 10:00	N/A N/A	11:04 9:25 to 12:44	N/A N/A	7:42 7:03 to 8:43	N/A N/A
Airport South to Omni Park	Average Range	10:21 6:14 to 15:05	12:56 8:43 to 19:29	10:29 8:02 to 15:04	N/A N/A	11:22 7:40 to 15:11	10:11 8:37 to 11:44	13:05 9:32 to 18:06	N/A N/A
Omni Park to Collins Avenue	Average Range	6:19 3:18 to 8:56	12:16 12:16	4:08 1:52 to 6:52	3:04 2:44 to 3:22	3:52 2:58 to 5:13	2:49 2:28 to 3:08	4:50 2:02 to 6:17	3:02 2:01 to 3:50
Collins Ave to Richmond Rd/Botanic Ave	Average Range	6:55 4:19 to 11:14	12:53 4:47 to 22:03	8:09 5:06 to 12:03	14:56 11:24 to 20:45	5:56 3:47 to 7:13	7:27 3:23 to 11:12	6:08 4:20 to 7:15	5:41 2:56 to 8:29

Table 9h Swords QBC (continued)

Swords QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Richmond Rd/Botanic Ave to Dorset St Lwr	Average Range	5:23 3:12 to 7:18	4:25 3:01 to 5:53	7:50 3:13 to 12:07	11:54 5:17 to 17:09	4:02 2:23 to 5:53	2:58 2:08 to 3:37	3:51 2:40 to 5:20	3:04 2:03 to 4:44
Dorset St Lwr to Frederick Street North	Average Range	2:17 1:03 to 3:42	N/A N/A	N/A N/A	N/A N/A	2:57 1:54 to 4:30	N/A N/A	N/A N/A	N/A N/A
Frederick Street North to O'Connell St	Average Range	3:58 1:24 to 8:42	N/A N/A	N/A N/A	N/A N/A	4:46 2:39 to 7:46	N/A N/A	N/A N/A	N/A N/A
Richmond Rd to O'Connell Street	Average Range	12:19 7:33 to 17:14	N/A N/A	N/A N/A	N/A N/A	12:09 9:10 to 16:43	N/A N/A	N/A N/A	N/A N/A
Lwr Abbey St to Dorset St Lower/North Circular	Average Range	N/A N/A	N/A N/A	9:54 4:56 to 14:02	N/A N/A	N/A N/A	N/A N/A	6:56 4:37 to 8:39	N/A N/A
Swords Main Street to Lower O'Connell Street	Average Range	48:20 31:20 to 58:05	N/A N/A	N/A N/A	N/A N/A	53:54 53:54	N/A N/A	N/A N/A	N/A N/A
Lwr Abbey St to Swords Main Street	Average Range	N/A N/A	N/A N/A	56:05 41:50 to 69:53	N/A N/A	N/A N/A	N/A N/A	48:17 48:17	N/A N/A

Table 9i Tallaght QBC

Tallaght QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Main Street to West M50	Average	4:52	N/A	5:19	N/A	4:29	N/A	6:53	5:37
	Range	3:16 to 7:43	N/A	3:28 to 6:47	N/A	3:25 to 5:29	N/A	5:39 to 8:19	5:37
West M50 to East M50	Average	2:10	1:23	1:27	1:10	1:29	1:10	1:16	1:02
	Range	1:21 to 4:34	0:49 to 1:51	0:51 to 1:54	0:30 to 1:34	1:18 to 1:45	0:58 to 1:22	0:44 to 1:32	0:28 to 1:39
East M50 to Oldbridge Road	Average	4:24	5:08	3:32	3:13	2:50	2:36	3:46	2:25
	Range	2:36 to 5:54	2:17 to 9:44	2:31 to 4:34	1:45 to 7:42	2:36 to 2:58	1:32 to 3:11	3:24 to 4:08	1:40 to 3:25
Oldbridge Road to Fortfield Road	Average	3:57	3:13	5:29	5:08	3:27	3:19	3:56	4:11
	Range	2:07 to 6:46	1:35 to 8:10	3:14 to 7:58	1:30 to 8:21	2:43 to 4:00	2:22 to 4:15	2:32 to 5:19	2:55 to 6:02
Fortfield Road to Rathdown Park	Average	1:35	1:36	1:21	0:48	0:44	1:05	1:05	0:44
	Range	0:37 to 5:09	0:37 to 2:51	0:35 to 3:53	0:27 to 1:19	0:31 to 1:01	0:28 to 1:40	0:36 to 2:08	0:30 to 1:00
Rathdown Park to Terenure Road East	Average	6:22	5:53	4:19	3:37	2:41	2:31	3:03	2:50
	Range	2:02 to 9:01	2:13 to 8:09	2:25 to 7:59	2:17 to 4:28	1:57 to 3:32	1:08 to 4:02	2:03 to 3:43	1:35 to 5:29
Terenure Road East to Rathgar Road	Average	4:21	3:00	5:08	4:18	3:54	2:39	4:42	3:18
	Range	2:56 to 6:27	2:00 to 4:27	2:35 to 7:25	2:17 to 5:38	2:48 to 5:31	1:58 to 3:10	4:06 to 6:01	2:57 to 4:07
Rathgar Road to Leinster Road	Average	3:33	3:04	2:29	1:26	2:26	1:25	2:10	1:09
	Range	1:12 to 7:19	2:02 to 4:55	0:39 to 4:31	0:42 to 5:47	1:14 to 3:34	1:02 to 1:59	1:07 to 3:52	0:53 to 1:29
Leinster Road to Canal	Average	2:47	4:20	3:17	2:48	2:08	1:24	3:35	4:57
	Range	1:15 to 4:22	1:10 to 9:56	1:37 to 7:43	1:03 to 3:56	1:19 to 3:32	0:42 to 2:19	1:55 to 6:22	1:35 to 8:59

Table 9i Tallaght QBC (continued)

Tallaght QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Canal to Camden Street/Harcourt Road	Average Range	3:45 1:17 to 6:48	3:05 1:35 to 4:49	2:28 1:27 to 5:22	1:49 1:00 to 2:25	2:43 1:28 to 3:36	1:54 1:20 to 2:29	2:14 0:53 to 4:14	1:27 0:41 to 2:02
Dame Street to Harcourt Road	Average Range	N/A N/A	N/A N/A	8:49 5:33 to 11:45	8:11 6:25 to 9:57	N/A N/A	N/A N/A	7:48 6:34 to 9:36	7:22 7:22
Eden Quay to Harcourt Road via Camden Street	Average Range	N/A N/A	N/A N/A	17:42 12:30 to 25:51	N/A N/A	N/A N/A	N/A N/A	13:01 9:52 to 14:36	N/A N/A
Eden Quay to Harcourt Road via Earlsfort Terrace	Average Range	N/A N/A	N/A N/A	16:33 12:09 to 23:53	N/A N/A	N/A N/A	N/A N/A	12:49 10:19 to 15:37	N/A N/A
Eden Quay to Dame Street	Average Range	N/A N/A	N/A N/A	7:59 4:02 to 13:51	N/A N/A	N/A N/A	N/A N/A	5:19 3:18 to 6:51	N/A N/A
Camden Street to W'moreland St	Average Range	10:17 5:56 to 14:20	N/A N/A	N/A N/A	N/A N/A	11:08 9:06 to 13:16	N/A N/A	N/A N/A	N/A N/A
Camden St to Westmoreland St via Earlsfort T'ce (15 series)	Average Range	12:48 7:19 to 20:35	N/A N/A	N/A N/A	N/A N/A	11:02 9:09 to 12:34	N/A N/A	N/A N/A	N/A N/A
West of M50 to Westmoreland Street	Average Range	42:40 28:13 to 50:41	N/A N/A	43:16 34:53 to 52:14	N/A N/A	33:03 33:03	N/A N/A	38:48 37:42 to 40:38	N/A N/A

Table 9j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Civic Centre to Griffith Avenue/The Rise	Average Range	7:28 4:10 to 13:23	5:33 3:25 to 11:22	6:17 4:39 to 7:23	4:52 3:11 to 5:57	5:56 4:26 to 7:59	3:47 3:41 to 3:53	5:25 4:17 to 6:32	4:45 2:14 to 8:14
Griffith Avenue to Botanic Avenue	Average Range	2:40 0:59 to 5:15	2:19 0:51 to 7:55	N/A N/A	N/A N/A	1:45 1:01 to 2:26	1:15 0:49 to 1:37	N/A N/A	N/A N/A
Griffith Avenue/The Rise to Dorset St Lower (13A)	Average Range	12:11 8:22 to 16:24	12:00 5:54 to 22:59	19:46 16:53 to 23:14	13:10 7:38 to 20:51	11:23 10:56 to 11:50	6:36 5:26 to 7:34	9:51 9:51	6:35 6:08 to 7:01
Botanic Avenue to Cliftonville Road	Average Range	4:37 0:57 to 12:10	4:31 0:40 to 11:01	N/A N/A	N/A N/A	2:38 1:17 to 5:20	1:57 0:34 to 5:08	N/A N/A	N/A N/A
Bon Secours Hospital to Cliftonville Road	Average Range	9:37 1:22 to 15:57	12:00 1:29 to 19:56	N/A N/A	N/A N/A	2:57 1:31 to 5:20	3:52 1:18 to 6:09	N/A N/A	N/A N/A
Cliftonville Rd/Glasnevin Hill to Prospect Road	Average Range	2:58 1:27 to 6:11	5:22 0:50 to 8:14	3:25 2:17 to 4:49	2:51 1:30 to 4:13	2:52 1:27 to 5:20	3:39 0:59 to 8:44	3:01 2:30 to 4:50	2:13 1:43 to 2:46
Prospect Rd to Dorset St Lwr/Whitworth	Average Range	4:05 2:29 to 9:08	2:59 1:29 to 4:46	3:41 2:03 to 5:27	3:06 1:40 to 6:00	3:24 1:32 to 4:43	2:37 2:37	3:06 2:13 to 4:13	2:53 1:58 to 5:10
Prospect Rd to Phibsboro Rd/NCR	Average Range	3:56 2:37 to 5:52	3:49 1:29 to 8:07	4:03 2:03 to 8:10	3:51 1:17 to 7:15	4:13 3:09 to 5:24	4:00 1:51 to 5:50	2:25 0:39 to 4:07	1:51 0:43 to 3:20
Phibsboro Rd/NCR to Frederick St North	Average Range	5:34 3:42 to 8:01	N/A N/A	N/A N/A	N/A N/A	4:49 3:06 to 6:37	N/A N/A	N/A N/A	N/A N/A
Dorset St Lwr to Frederick St North	Average Range	3:52 1:59 to 6:00	N/A N/A	N/A N/A	N/A N/A	4:52 2:24 to 5:55	N/A N/A	N/A N/A	N/A N/A
Frederick St North to Parnell Square East	Average Range	1:50 0:23 to 4:57	N/A N/A	N/A N/A	N/A N/A	1:54 0:37 to 3:55	N/A N/A	N/A N/A	N/A N/A

Table 9j Ballymun QBC (continued)

Ballymun QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Frederick St North to South Great Georges St	Average Range	13:45 7:26 to 23:08	N/A N/A	N/A N/A	N/A N/A	14:24 12:11 to 16:56	N/A N/A	N/A N/A	N/A N/A
Parnell Square East to O'Connell St Lwr	Average Range	5:43 2:02 to 14:42	N/A N/A	N/A N/A	N/A N/A	5:03 1:36 to 14:03	N/A N/A	N/A N/A	N/A N/A
O'Connell St Lwr to South Great Georges St	Average Range	6:25 3:10 to 10:59	N/A N/A	N/A N/A	N/A N/A	7:06 5:56 to 8:53	N/A N/A	N/A N/A	N/A N/A
Camden Street Upper to O'Connell St Lower via Earlsfort Terrace	Average Range	N/A N/A	N/A N/A	14:22 12:03 to 17:15	N/A N/A	N/A N/A	N/A N/A	8:37 8:37	N/A N/A
Camden Street Upper to O'Connell St Lower via Camden Street	Average Range	N/A N/A	N/A N/A	14:14 10:00 to 17:33	N/A N/A	N/A N/A	N/A N/A	14:14 9:18 to 22:21	N/A N/A
O'Connell St Lwr to Parnell Square West	Average Range	N/A N/A	N/A N/A	5:49 2:29 to 11:13	N/A N/A	N/A N/A	N/A N/A	4:45 1:40 to 9:02	N/A N/A
Parnell Square West to Granby Row	Average Range	N/A N/A	N/A N/A	0:58 0:16 to 4:07	N/A N/A	N/A N/A	N/A N/A	1:36 0:22 to 3:15	N/A N/A
Parnell Sq West to NCR/ Phibsboro Road	Average Range	N/A N/A	N/A N/A	9:21 4:35 to 15:26	N/A N/A	N/A N/A	N/A N/A	6:05 4:20 to 6:55	N/A N/A
Granby Row to Blessington Street	Average Range	N/A N/A	N/A N/A	3:07 0:17 to 9:09	5:44 2:24 to 11:23	N/A N/A	N/A N/A	3:27 0:52 to 7:03	5:36 4:08 to 7:23
Blessington Street to Whitworth Road	Average Range	N/A N/A	N/A N/A	8:10 5:28 to 12:24	13:21 6:32 to 18:14	N/A N/A	N/A N/A	3:24 2:02 to 5:09	2:29 1:46 to 3:01
Glasnevin Hill to The Rise	Average Range	N/A N/A	N/A N/A	4:44 2:51 to 6:18	4:01 2:06 to 6:32	N/A N/A	N/A N/A	3:58 2:20 to 5:54	2:49 2:17 to 3:38
Ballymun to Lower O'Connell Street via Whitworth Road (13)	Average Range	37:15 21:02 to 52:17	N/A N/A	35:28 32:15 to 40:29	N/A N/A	20:42 17:38 to 23:46	N/A N/A	25:46 25:46	N/A N/A
Ballymun to Lower O'Connell Street via Phibsborough (4/4A)	Average Range	33:46 20:20 to 51:15	N/A N/A	35:09 30:14 to 43:36	N/A N/A	26:57 26:23 to 27:20	N/A N/A	26:25 26:25	N/A N/A
Ballymun to Lower O'Connell Street via Griffith Avenue (13A)	Average Range	31:59 23:29 to 39:38	N/A N/A	39:22 39:02 to 39:41	N/A N/A	N/A N/A	N/A N/A	25:50 25:50	N/A N/A

Table 9k Bray QBC

Bray QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Bray Main Street to Upper Dargle Road	Average Range	2:09 1:12 to 3:22	1:27 0:43 to 2:32	1:52 0:49 to 3:09	1:59 0:35 to 3:32	2:10 1:25 to 3:26	1:23 0:40 to 2:01	1:43 0:54 to 2:34	1:44 0:49 to 2:45
Upper Dargle Rd to Wilford Roundabout	Average Range	3:10 1:35 to 4:51	2:31 0:59 to 3:56	3:12 1:41 to 6:36	2:48 1:23 to 4:24	2:13 1:45 to 2:56	2:27 1:20 to 3:19	2:21 1:26 to 3:34	2:19 1:10 to 4:02
Wilford Roundabout to Shanganagh	Average Range	1:42 1:09 to 2:15	1:26 1:04 to 2:30	N/A N/A	N/A N/A	1:44 1:26 to 1:54	1:26 1:15 to 1:54	N/A N/A	N/A N/A
Wilford Roundabout to Shankill Village	Average Range	3:48 2:42 to 5:03	3:00 2:33 to 4:43	3:48 2:25 to 7:34	3:13 2:18 to 4:03	2:59 2:00 to 3:53	2:57 2:27 to 3:25	3:03 1:43 to 3:39	2:44 2:44
Shanganagh to Shankill Village	Average Range	2:09 1:10 to 3:33	1:27 0:57 to 3:18	N/A N/A	N/A N/A	1:35 0:52 to 1:59	1:23 1:05 to 1:36	N/A N/A	N/A N/A
Shankill Village to Loughlinstown Roun	Average Range	4:07 2:26 to 6:07	3:15 2:18 to 4:44	3:53 3:00 to 4:36	N/A N/A	3:13 2:27 to 3:46	2:45 2:08 to 3:21	3:14 2:36 to 3:58	N/A N/A
Loughlinstown Roun to Cabinteely South	Average Range	6:26 4:31 to 9:23	4:07 3:09 to 4:56	6:55 3:59 to 10:11	3:35 2:27 to 4:26	5:32 5:02 to 6:03	3:19 2:35 to 3:50	5:01 3:28 to 6:03	2:59 2:16 to 3:38
Cabinteely South to Foxrock Church	Average Range	3:17 1:30 to 7:55	2:39 1:26 to 5:21	3:02 1:42 to 5:30	2:42 1:32 to 4:57	3:29 2:27 to 4:48	2:03 1:21 to 4:20	2:22 1:57 to 2:52	2:44 1:58 to 3:28
Bray Main Street to Foxrock Church	Average Range	25:11 17:02 to 39:18	17:08 10:50 to 24:54	23:19 17:38 to 27:58	17:24 13:09 to 23:01	18:05 14:49 to 22:10	12:57 12:25 to 13:29	16:46 15:04 to 17:46	13:57 10:57 to 20:00
Bray Main Street to Leeson Street	Average Range	54:55 47:51 to 65:49	N/A N/A	54:35 47:45 to 60:12	N/A N/A	39:02 39:02	N/A N/A	40:19 39:13 to 41:25	N/A N/A
Bray Main Street to W'moreland/ D'Olier St	Average Range	63:05 56:54 to 75:15	N/A N/A	63:05 55:43 to 71:00	N/A N/A	46:14 46:14	N/A N/A	N/A N/A	N/A N/A
Parnell Square East to Bray	Average Range	N/A N/A	N/A N/A	69:23 65:50 to 72:56	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A

Table 91 Clontarf QBC

Clontarf QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Clontarf Garage to Vernon Avenue	Average Range	0:56 0:25 to 1:26	0:37 0:23 to 0:52	1:49 1:01 to 2:59	0:49 0:22 to 1:46	0:48 0:32 to 1:22	0:38 0:22 to 0:55	1:21 0:54 to 1:52	0:52 0:31 to 2:16
Vernon Avenue to Castle Avenue	Average Range	2:42 1:01 to 4:27	8:10 1:16 to 21:43	1:36 1:15 to 2:04	1:19 0:41 to 2:16	2:17 0:59 to 3:41	1:04 0:51 to 1:14	1:23 1:14 to 1:35	1:09 0:55 to 2:04
Castle Avenue to Alfie Byrne Road	Average Range	1:47 1:03 to 3:42	2:45 0:40 to 6:37	2:40 1:59 to 3:17	1:55 1:04 to 2:47	1:49 0:57 to 2:33	1:02 0:45 to 1:33	2:19 1:53 to 3:06	1:36 0:48 to 2:31
Alfie Byrne Road to Fairview	Average Range	2:15 1:18 to 3:52	1:41 1:04 to 2:47	3:02 2:05 to 5:20	1:38 1:06 to 2:51	1:42 0:55 to 2:31	1:33 1:11 to 1:52	2:53 2:15 to 4:30	1:13 0:47 to 1:43
Fairview to Amiens Street/North Strand	Average Range	6:34 3:21 to 9:00	8:21 5:52 to 9:53	5:46 2:42 to 11:36	5:28 3:03 to 7:09	5:14 4:17 to 6:55	3:30 2:59 to 4:01	4:34 2:37 to 6:37	N/A N/A
Amiens Street to Talbot Street	Average Range	2:08 0:33 to 5:56	N/A N/A	N/A N/A	N/A N/A	1:41 0:35 to 3:19	N/A N/A	N/A N/A	N/A N/A
Lwr Abbey St to North Strand	Average Range	N/A N/A	N/A N/A	8:52 3:45 to 15:34	N/A N/A	N/A N/A	N/A N/A	4:58 3:17 to 7:14	N/A N/A
Clontarf Garage to Fairview	Average Range	7:57 5:04 to 12:16	14:48 4:14 to 25:30	9:09 6:54 to 12:22	5:09 4:22 to 5:37	6:32 5:24 to 7:35	4:13 3:33 to 5:12	8:00 6:53 to 9:48	5:39 5:19 to 6:00
Clontarf Garage to Amiens Street	Average Range	13:05 9:55 to 16:57	N/A N/A	15:04 11:57 to 19:01	N/A N/A	11:17 9:57 to 12:57	6:48 6:08 to 7:47	12:43 11:31 to 15:31	N/A N/A
Clontarf Garage to Talbot St/Lwr Abbey St	Average Range	14:44 10:38 to 20:18	N/A N/A	24:14 16:37 to 31:23	N/A N/A	12:34 11:02 to 14:07	N/A N/A	17:19 14:57 to 20:40	N/A N/A

Table 9m Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Raheny to Sybil Hill Road	Average Range	4:12 2:44 to 7:37	5:02 1:35 to 13:32	3:54 2:33 to 6:02	2:35 1:37 to 3:07	2:36 2:10 to 3:18	2:04 1:12 to 3:30	3:59 2:59 to 5:14	2:38 1:46 to 3:25
Sybil Hill Rd to Collins Avenue East	Average Range	3:47 1:54 to 6:44	8:02 1:30 to 15:14	3:13 2:02 to 5:45	3:23 1:39 to 5:40	3:24 2:03 to 5:19	3:01 1:38 to 5:56	2:41 1:34 to 3:20	2:41 2:00 to 4:09
Collins Ave East to Copeland Ave	Average Range	5:09 3:14 to 7:43	3:56 1:42 to 5:36	5:40 3:09 to 9:18	5:06 2:45 to 7:49	2:35 2:11 to 2:52	1:50 1:39 to 2:05	2:45 2:14 to 3:09	2:13 1:42 to 3:08
Copeland Ave to Fairview	Average Range	2:31 0:56 to 4:39	2:15 1:02 to 3:43	2:33 1:19 to 4:36	1:56 0:55 to 4:26	1:35 0:59 to 2:36	1:23 1:04 to 1:57	2:31 1:37 to 3:24	2:02 1:48 to 2:15
Fairview to Amiens Street/North Strand	Average Range	6:34 3:21 to 9:00	8:21 5:52 to 9:53	5:46 2:42 to 11:36	5:28 3:03 to 7:09	5:14 4:17 to 6:55	3:30 2:59 to 4:01	4:34 2:37 to 6:37	N/A N/A
Amiens Street to Talbot Street	Average Range	2:08 0:33 to 5:56	N/A N/A	N/A N/A	N/A N/A	1:41 0:35 to 3:19	N/A N/A	N/A N/A	N/A N/A
Eden Quay to North Strand	Average Range	N/A N/A	N/A N/A	8:16 3:18 to 13:58	N/A N/A	N/A N/A	N/A N/A	4:39 3:47 to 5:31	N/A N/A
Raheny to Fairview	Average Range	15:13 10:25 to 20:33	18:51 10:00 to 33:44	15:33 12:58 to 19:13	11:45 8:50 to 13:59	10:30 9:31 to 11:13	7:41 7:06 to 8:17	12:23 10:46 to 13:38	10:17 8:10 to 13:25
Raheny to Amiens Street/North Strand	Average Range	21:34 16:38 to 27:40	N/A N/A	20:58 16:55 to 26:15	N/A N/A	14:58 14:31 to 15:35	10:16 9:41 to 10:52	17:09 14:14 to 19:40	N/A N/A
Raheny to Talbot St/Eden Quay	Average Range	23:19 15:54 to 29:52	N/A N/A	29:05 22:56 to 37:32	N/A N/A	16:26 14:55 to 18:01	N/A N/A	21:40 18:20 to 25:11	N/A N/A

Table 9n Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Drimnagh Road to St Marys Road	Average Range	2:56 1:20 to 5:38	2:44 0:36 to 4:53	2:27 1:05 to 4:04	2:10 0:38 to 3:49	2:31 1:35 to 4:49	2:05 0:57 to 2:48	2:02 1:04 to 3:05	2:18 1:29 to 2:40
St Marys Road to Dolphins Barn	Average Range	11:53 3:09 to 23:38	15:29 5:07 to 26:56	7:29 5:17 to 10:37	6:03 3:16 to 13:04	8:43 6:49 to 12:36	6:03 4:49 to 7:05	7:26 5:59 to 9:08	8:10 7:44 to 8:36
Dolphins Barn to Dean Street	Average Range	5:38 2:33 to 8:53	5:46 2:55 to 8:41	5:21 3:40 to 8:08	4:30 3:54 to 6:21	4:13 3:21 to 4:37	3:28 2:54 to 4:23	5:19 3:01 to 7:10	3:35 2:50 to 4:19
Dean Street to Westmoreland Street	Average Range	9:26 6:14 to 14:07	N/A N/A	N/A N/A	N/A N/A	8:21 6:38 to 10:12	N/A N/A	N/A N/A	N/A N/A
Westmoreland Street to Ringsend Road	Average Range	9:43 7:04 to 12:43	N/A N/A	N/A N/A	N/A N/A	7:59 6:20 to 11:04	N/A N/A	N/A N/A	N/A N/A
Ringsend Road to College Green	Average Range	N/A N/A	N/A N/A	18:39 8:34 to 27:23	N/A N/A	N/A N/A	N/A N/A	7:47 4:30 to 11:56	N/A N/A
College Green to Dean Street	Average Range	N/A N/A	N/A N/A	11:53 6:42 to 17:56	N/A N/A	N/A N/A	N/A N/A	7:39 4:56 to 9:20	N/A N/A
Drimnagh Rd to W'moreland St/College Gn	Average Range	30:33 16:22 to 43:40	N/A N/A	27:44 21:44 to 32:00	N/A N/A	23:32 22:31 to 24:33	N/A N/A	24:06 17:12 to 30:52	N/A N/A

Table 9o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Frascati Road to Booterstown	Average Range	4:20 2:39 to 7:32	8:11 1:44 to 15:47	3:11 1:38 to 5:34	2:46 1:47 to 4:47	2:44 2:08 to 3:41	2:49 1:49 to 3:47	2:46 2:00 to 3:34	2:21 1:32 to 3:41
Booterstown to Ballsbridge	Average Range	11:06 6:16 to 16:15	15:55 6:10 to 24:13	18:11 10:20 to 30:29	20:21 18:04 to 26:18	8:30 6:18 to 9:10	6:58 3:45 to 8:19	8:35 7:12 to 9:59	8:38 7:14 to 10:02
Ballsbridge to Merrion Square	Average Range	6:25 3:10 to 8:22	4:37 3:30 to 5:46	6:43 4:20 to 11:18	3:46 3:00 to 4:12	5:44 4:42 to 6:44	3:59 3:59	8:49 5:34 to 14:15	7:51 4:33 to 11:19
Merrion Square to O'Connell Street	Average Range	7:29 5:10 to 10:25	N/A N/A	8:08 5:38 to 11:13	N/A N/A	9:26 6:42 to 14:45	N/A N/A	6:33 5:05 to 8:30	N/A N/A
Blackrock to O'Connell Street	Average Range	32:11 21:58 to 42:47	N/A N/A	37:34 24:57 to 51:09	N/A N/A	27:10 23:01 to 31:09	N/A N/A	27:22 21:50 to 33:38	N/A N/A

Table 9p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2008									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Nangor Rd/Grangecastle to Ninth Lock Road	Average Range	9:11 5:57 to 12:54	9:20 5:30 to 17:26	8:26 6:29 to 11:26	6:13 4:27 to 8:46	6:54 5:55 to 7:49	5:00 5:00	6:08 4:57 to 8:40	5:25 4:56 to 6:10
Ninth Lock Road to Naas Road	Average Range	7:58 5:47 to 11:34	10:38 5:17 to 24:58	8:29 5:17 to 12:08	14:35 10:47 to 18:23	7:46 6:21 to 9:20	9:09 7:00 to 11:16	7:20 5:26 to 8:13	5:00 5:00
Naas Road to Drimnagh Road	Average Range	5:14 4:01 to 6:37	7:07 3:38 to 10:05	7:30 3:53 to 13:52	15:05 8:57 to 21:13	4:23 3:58 to 4:55	3:29 2:45 to 4:13	4:28 3:00 to 5:53	7:54 7:16 to 8:32
Drimnagh Road to St Marys Road	Average Range	2:56 1:20 to 5:38	2:44 0:36 to 4:53	2:27 1:05 to 4:04	2:10 0:38 to 3:49	2:31 1:35 to 4:49	2:05 0:57 to 2:48	2:02 1:04 to 3:05	2:18 1:29 to 2:40
St Marys Road to Dolphins Barn	Average Range	11:53 3:09 to 23:38	15:29 5:07 to 26:56	7:29 5:17 to 10:37	6:03 3:16 to 13:04	8:43 6:49 to 12:36	6:03 4:49 to 7:05	7:26 5:59 to 9:08	8:10 7:44 to 8:36
Dolphins Barn to Dean Street	Average Range	5:38 2:33 to 8:53	5:46 2:55 to 8:41	5:21 3:40 to 8:08	4:30 3:54 to 6:21	4:13 3:21 to 4:37	3:28 2:54 to 4:23	5:19 3:01 to 7:10	3:35 2:50 to 4:19
Dean Street to Bachelors Walk	Average Range	9:43 7:59 to 13:37	10:56 10:43 to 11:10	N/A N/A	N/A N/A	12:28 9:00 to 15:13	12:04 7:15 to 15:57	N/A N/A	N/A N/A
College Green to Dean Street	Average Range	N/A N/A	N/A N/A	11:53 6:42 to 17:56	N/A N/A	N/A N/A	N/A N/A	7:39 4:56 to 9:20	N/A N/A
Grangecastle to Bachelors Walk/College Green	Average Range	57:45 37:35 to 74:28	62:24 48:36 to 80:01	55:21 47:11 to 65:16	N/A N/A	45:38 44:23 to 46:53	45:18 33:47 to 58:19	42:06 42:06	N/A N/A

12 Sectional Bus Speeds

The data used to compile the sectional bus journey times shown in **Section 11** is used to convert time to speed.

The results for each QBC for all the time periods surveyed are shown in **Tables 10a to 10p**.

Tables 10a to 10i inclusive show the results for the 9 main radial QBCs.

Tables 10j to 10m inclusive show the results for those QBCs monitored for the first time in 2004, namely Ballymun QBC, Bray QBC incorporating the N11 extension from Foxrock to Loughlinstown, Clontarf QBC and Howth Road QBC.

Tables 10n to 10p inclusive show the results from Crumlin Road QBC and the 2 QBCs launched in 2007, namely Rock Road and South Clondalkin.

These tables should be looked at in conjunction with the tables for bus and car journey times: **Tables 9a to 9p**.

Each table is colour coded as follows:

- **Yellow** denotes those sections where average speed is less than 5 kilometres per hour which effectively is walking speed
- **Blue** denotes those sections where average speed is greater than 5 but less than 10 kilometres per hour
- **Green** denotes those sections where average speed is greater than 10 but less than the minimum QBC specification speed (ie 20 kilometres per hour less 12% boarding and alighting time)
- White denotes those sections that exceed the QBC specification

Table 10a Blanchardstown QBC

Blanchardstown QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Ongar to Hansfield Road	2717	1448	Average Range	24.58 14.32 to 36.91	25.54 20.29 to 40.25
Hansfield Road to Shelerin Road	820	0	Average Range	16.58 7.00 to 35.99	22.70 17.57 to 30.75
Shelerin Road to B'town Rd Sth via Town Centre	5899	N/A	Average Range	20.48 16.68 to 24.66	17.49 16.55 to 18.53
Shelerin Road direct to Blanchardstown Road South	1836	341	Average Range	6.98 4.57 to 9.71	N/A N/A
Blanchardstown Road South to Rear of Town C'tre (Peak)	1074	302	Average Range	15.46 11.79 to 20.90	N/A N/A
Blanchardstown Road South to Coolmine Rd	1719	388	Average Range	18.64 13.11 to 31.42	20.56 19.58 to 22.02
Rear of Town Centre to River Rd Roundabout (Peak)	1727	0	Average Range	12.14 9.14 to 14.19	N/A N/A
Coolmine Road to Main Street	1110	0	Average Range	14.07 8.20 to 21.26	17.37 11.55 to 22.45
Main Street to River Road Roundabout	1098	460	Average Range	8.08 4.88 to 16.75	13.04 11.17 to 14.48
River Road Roundabout to New River Road	983	300	Average Range	19.23 12.64 to 36.12	28.53 22.26 to 38.47
New River Road to Ashtown Roundabout	1958	1958	Average Range	39.82 25.17 to 64.09	36.52 21.62 to 56.84
Ashtown Roundabout to Nephin Road	1760	1483	Average Range	19.62 11.73 to 34.43	24.95 19.20 to 37.27
Nephin Road to Ratoath Road	635	562	Average Range	27.87 13.85 to 73.69	34.64 18.00 to 78.89
Ratoath Road to North Circular Road	841	0	Average Range	11.42 7.68 to 30.27	13.22 10.85 to 20.88
North Circular Road to Manor Street	659	120	Average Range	22.82 15.31 to 36.51	27.90 23.49 to 36.51
Manor Street to Blackhall Place	658	617	Average Range	10.12 4.99 to 18.22	10.34 7.18 to 18.51
Blackhall Place to Ormond Quay	1001	445	Average Range	17.32 10.82 to 29.30	17.58 13.81 to 24.51
Ormond Quay to Westmoreland Street	844	221	Average Range	7.48 5.72 to 12.25	9.77 6.84 to 11.96
Total Inbound Distance (39) B'town Rd South to Westmoreland Street	13266	6554	Average Range	14.17 10.33 to 18.94	17.93 17.93
Total Inbound Distance (39A/B) Blakestown Way to Westmoreland Street	12140	6008	Average Range	15.48 13.88 to 16.53	N/A N/A
Total Inbound Distance River Road to Westmoreland Street	9339	5706	Average Range	16.40 13.53 to 22.49	19.56 17.36 to 23.27
Total Inbound Distance New River Road to Westmoreland Street	8356	5406	Average Range	16.03 12.70 to 22.04	18.82 16.23 to 22.70

Table 10a Blanchardstown QBC (continued)

Blanchardstown QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Hawkins Street to Merchants Quay	1416	0	Average Range	6.25 3.91 to 12.05	8.32 7.13 to 15.22
Merchants Quay to Blackhall Place Bridge	732	450	Average Range	11.56 8.61 to 20.43	17.34 13.31 to 22.72
Blackhall Place Bridge to Manor Street	712	231	Average Range	8.29 5.51 to 17.44	9.75 7.06 to 14.99
Manor Street to North Circular Road	635	0	Average Range	11.32 6.74 to 16.93	11.54 8.53 to 18.74
North Circular Road to Ratoath Road	824	0	Average Range	23.73 15.78 to 49.44	24.93 21.04 to 27.21
Ratoath Road to Nephin Road	765	0	Average Range	13.30 7.48 to 33.44	13.98 9.09 to 25.04
Nephin Road to Ashtown Roundabout	1800	100	Average Range	19.17 13.33 to 49.47	18.25 13.58 to 25.51
Ashtown Roundabout to New River Road	1811	1332	Average Range	43.76 30.90 to 67.90	49.01 41.00 to 57.71
New River Road to River Road Roundabout	1108	78	Average Range	18.99 11.60 to 35.93	17.73 10.90 to 31.17
River Road Roundabout to Main Street	896	0	Average Range	15.14 10.75 to 20.29	14.40 10.02 to 17.72
River Road Roundabout to Rear of Town Centre (Peak)	1648	0	Average Range	40.91 30.58 to 51.58	N/A N/A
Main Street to Coolmine Road	1088	0	Average Range	15.18 10.70 to 21.52	20.29 14.67 to 31.09
Coolmine Road to Blakestown Way via Town Centre	3410	593	Average Range	17.66 12.98 to 24.07	20.42 16.68 to 24.07
Rear of Town Centre to Blakestown Way (Peak)	977	501	Average Range	27.91 23.29 to 34.83	N/A N/A
Blakestown Way to Ongar	7955	1633	Average Range	22.10 16.66 to 27.67	23.34 17.30 to 29.80
Total Outbound Distance Hawkins Street to New River Road	8695	2113	Average Range	12.98 11.31 to 15.46	13.20 10.71 to 16.29
Total Outbound Distance Hawkins Street to River Road	9803	2191	Average Range	13.57 12.10 to 16.15	15.35 13.99 to 17.01
Total Outbound Distance (39A/B) Hawkins Str to Blakestown Way via Bypass	12428	2692	Average Range	15.22 12.79 to 16.88	N/A N/A
Total Outbound Distance Merchants Quay to New River Rd	7279	2113	Average Range	20.41 18.72 to 22.30	17.10 16.41 to 19.15

Table 10b Finglas QBC

Finglas QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Mellowes Road Bridge to Finglas Road	547	0	Average Range	13.04 9.51 to 23.16	11.25 9.85 to 15.39
Finglas Road to Prospect Road/Whitworth Road	3222	2978	Average Range	21.32 12.61 to 34.02	24.42 18.89 to 30.77
Prospect Road/Whitworth Road to Dorset Street Lower	957	17	Average Range	14.06 6.29 to 23.12	16.89 12.17 to 37.46
Dorset Street Lower to Frederick Street North	703	703	Average Range	10.91 7.03 to 21.27	8.67 7.13 to 17.57
Frederick Street North to Parnell Square East	390	390	Average Range	12.65 4.73 to 50.11	12.32 5.97 to 37.92
Finglas Rd to Parnell Square East via Phibsborough	5856	3838	Average Range	16.38 12.72 to 22.03	19.59 17.08 to 23.98
Corridor Inbound Distance Finglas Rd to Parnell Square	5272	4088	Average Range	18.53 12.71 to 27.79	18.64 16.35 to 22.98
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Parnell Street to Dorset Street Lower/Whitworth	1218	396	Average Range	2.65 2.04 to 4.60	9.41 5.79 to 16.00
Dorset Street Lower to Whitworth Road/Prospect Rd	952	0	Average Range	15.51 10.48 to 27.86	18.43 13.54 to 25.76
Prospect Road to Finglas Road	2907	1818	Average Range	23.41 17.89 to 33.54	24.86 19.20 to 38.91
Finglas Road to Mellowes Road Bridge	761	0	Average Range	12.23 7.65 to 22.09	9.75 9.19 to 10.38
O'Connell Street to Finglas Road via Phibsborough	5575	2961	Average Range	11.88 9.66 to 15.64	15.89 15.22 to 16.79
Corridor Outbound Distance Parnell St to Finglas Rd	5077	2214	Average Range	7.98 6.35 to 11.39	18.39 15.17 to 25.45

Table 10c Lucan QBC

Lucan QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Lucan Superquinn to Penny Hill Pub	4675	N/A	Average Range	15.61 11.73 to 23.51	22.09 20.33 to 23.80
Penny Hill Pub to Foxhunter	1920	1471	Average Range	16.38 11.78 to 23.04	25.14 21.81 to 29.67
Foxhunter to West of M50	2026	2026	Average Range	30.01 16.50 to 66.32	34.90 28.49 to 51.01
West of M50 to Palmerston	1595	390	Average Range	20.95 10.13 to 41.30	32.63 23.82 to 41.30
Palmerston to Con Colbert Road (via Bypass)	3868	3868	Average Range	50.27 39.33 to 66.94	N/A N/A
Palmerston to Conyngham Rd (via Chapelizod)	4347	540	Average Range	21.83 13.27 to 36.91	36.82 33.15 to 41.07
Conyngham Rd to Parkgate St	951	674	Average Range	14.57 6.62 to 25.94	19.56 16.78 to 25.36
Con Colbert Rd to Heuston Station (Expresso)	1559	1559	Average Range	23.00 15.42 to 36.21	32.25 32.25
Heuston Station to Ellis Quay (Expresso)	785	785	Average Range	17.55 7.12 to 39.25	15.97 13.02 to 20.63
Heuston Station to Bachelors Walk (Expresso)	2349	2218	Average Range	12.68 8.96 to 20.52	N/A N/A
Con Colbert Rd to Ellis Quay (Expresso)	2344	2344	Average Range	20.14 10.67 to 28.31	N/A N/A
Parkgate St to Ellis Quay	595	595	Average Range	21.86 15.08 to 34.00	19.83 12.75 to 38.26
Ellis Quay to Arran Quay	497	497	Average Range	16.72 9.04 to 38.08	17.72 9.27 to 29.32
Arran Quay to Bachelors Walk	1067	936	Average Range	10.30 5.83 to 19.50	10.94 8.54 to 14.17
Foxhunter to Bachelors Walk Via Bypass (Expresso)	11397	10061	Average Range	23.92 18.58 to 30.50	N/A N/A
Foxhunter to Bachelors Walk Via Chapelizod	11078	5658	Average Range	18.75 14.19 to 27.99	25.32 23.39 to 26.98
Route Distance Via Chapelizod	17673	N/A	Average Range	16.49 14.13 to 21.14	24.05 24.05
Route Distance Via Bypass (Expresso)	17992	N/A	Average Range	20.23 16.47 to 24.28	N/A N/A

Table 10c Lucan QBC (continued)

Lucan QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Pearse Street to Wellington Quay	640	167	Average Range	5.25 3.07 to 9.56	5.54 4.60 to 6.51
Wellington Quay to Merchants Quay	824	400	Average Range	18.20 9.99 to 33.70	17.05 10.02 to 31.55
Merchants Quay to Conyngham Rd	2222	640	Average Range	18.96 13.27 to 31.61	22.10 13.72 to 33.19
Merchants Quay to Heuston Station (Expresso)	1286	640	Average Range	17.60 13.46 to 27.07	24.24 21.04 to 31.49
Heuston Station to Con Colbert Road	1592	506	Average Range	32.19 21.55 to 48.98	29.24 24.92 to 35.38
Con Colbert Road to Palmerston (Expresso)	3935	3229	Average Range	35.86 25.57 to 57.12	N/A N/A
Conyngham Rd to Palmerston	4801	996	Average Range	23.77 18.74 to 29.29	29.00 24.94 to 33.89
Palmerston to West of M50	1558	500	Average Range	24.81 17.64 to 38.42	25.97 23.47 to 38.42
West of M50 to Foxhunter	1967	756	Average Range	19.95 9.58 to 51.31	33.56 30.01 to 39.34
Foxhunter to Penny Hill Pub	1581	N/A	Average Range	13.78 7.56 to 34.71	23.42 22.23 to 24.64
Penny Hill Pub to Lucan Superquinn	4726	N/A	Average Range	20.88 16.98 to 28.69	20.52 17.36 to 24.30
Corridor Distance Via Bypass (Expresso)	11162	6031	Average Range	25.11 18.00 to 34.61	N/A N/A
Corridor Distance Via Chapelizod	11372	3292	Average Range	21.49 17.68 to 26.74	26.08 25.53 to 26.86
Route Distance Via Chapelizod	18319	N/A	Average Range	17.03 14.90 to 19.37	20.37 20.37
Route Distance Via Bypass (Expresso)	18109	N/A	Average Range	19.42 18.86 to 20.01	N/A N/A

Table 10d Malahide QBC

Malahide QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Clare Hall to Priorswood Road	1185	1017	Average Range	17.06 10.64 to 27.88	24.24 17.56 to 52.67
Priorswood Road to Greencastle Road (Direct)	992	671	Average Range	25.15 11.52 to 55.78	31.05 24.29 to 63.79
Priorswood Rd to Greencastle Road (via Darndale)	4089	0	Average Range	15.98 10.86 to 29.80	18.49 16.18 to 23.40
Greencastle Road to North of Kilmore Road	1532	998	Average Range	14.36 8.82 to 32.25	19.28 13.82 to 31.70
North of Kilmore Road to St Davids Wood	150	0	Average Range	6.13 2.34 to 19.27	14.22 7.39 to 38.63
St Davids Wood to Collins Avenue	671	601	Average Range	9.18 2.52 to 47.36	23.01 13.27 to 46.44
Collins Avenue to Casino Park	318	0	Average Range	10.70 2.72 to 63.60	19.08 9.78 to 54.51
Casino Park to Fairview	1133	1054	Average Range	21.36 12.95 to 51.11	28.93 19.70 to 42.49
Fairview to Amiens Street	1897	1529	Average Range	17.33 12.65 to 33.98	22.39 16.45 to 27.43
Amiens Street to Talbot Street	435	0	Average Range	12.24 4.44 to 47.45	15.51 7.87 to 44.77
Total Inbound Distance Clare Hall to Talbot St (D'dale)	11410	5199	Average Range	16.18 11.61 to 23.70	20.02 18.71 to 21.78
Total Inbound Distance Greencastle Rd to Talbot St	6136	4182	Average Range	15.45 9.43 to 27.10	22.00 18.41 to 26.42
Total Inbound Distance Greencastle Rd to Amiens St	5701	4182	Average Range	15.16 8.46 to 27.40	21.27 18.79 to 24.52

Table 10d Malahide QBC (continued)

Malahide QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Talbot Street to North Strand	724	124	Average Range	3.57 2.04 to 6.84	6.25 4.20 to 12.59
North Strand to Fairview	1706	1706	Average Range	17.75 8.82 to 37.91	22.41 15.47 to 36.78
Fairview to Griffith Avenue	675	0	Average Range	14.91 8.59 to 29.63	15.99 9.92 to 41.88
Griffith Avenue to Collins Avenue	887	772	Average Range	17.84 11.83 to 32.91	19.71 11.28 to 38.01
Collins Avenue to Kilmore Road	955	158	Average Range	20.10 12.46 to 32.74	22.18 13.75 to 36.97
Kilmore Road to Greencastle Road	1440	911	Average Range	18.25 10.73 to 32.81	19.56 12.61 to 32.00
Greencastle Road to Priorswood Road (Direct)	997	687	Average Range	20.75 13.91 to 58.82	19.50 17.09 to 28.94
Greencastle Rd to Priorswood Road (Via Darndale)	4021	0	Average Range	18.90 15.03 to 26.18	19.56 14.86 to 26.32
Priorswood Road to Clare Hall	1289	1152	Average Range	22.31 13.93 to 42.19	26.83 19.18 to 38.04
Total Outbound Distance Talbot St to Clare Hall (D'dale)	11697	4823	Average Range	14.66 11.19 to 18.12	19.13 16.08 to 23.95
Total Outbound Distance Talbot St to Greencastle Rd	6387	3671	Average Range	12.35 9.11 to 16.23	15.78 13.13 to 21.17
Total Outbound Distance Nth Strand to Greencastle Rd	5663	3547	Average Range	18.25 14.79 to 24.04	20.65 18.02 to 23.54

Table 10e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Liffey Valley Centre to Coldcut Road	6327	1808	Average Range	N/A N/A	22.51 19.25 to 27.91
Coldcut Road to Ballyfermot Road/Kylemore Road	2200	1000	Average Range	17.03 9.71 to 38.63	15.26 13.80 to 17.10
Ballyfermot Rd/Kylemore Rd to Emmet Rd/Tyrconnell Rd	2292	109	Average Range	12.95 6.36 to 24.41	21.43 16.47 to 28.06
Emmet Rd/Tyrconnell Rd to Mount Brown	2001	612	Average Range	17.27 11.97 to 23.01	19.84 14.21 to 29.28
Mount Brown to Cornmarket	1068	721	Average Range	12.17 5.20 to 21.97	12.82 8.86 to 20.02
Cornmarket to Westmoreland Street	1365	197	Average Range	9.38 6.23 to 15.17	11.07 8.81 to 12.96
Corridor Distance Coldcut Rd to Westmoreland St	8926	2639	Average Range	12.89 9.15 to 20.06	14.10 14.10
Inbound Distance Emmet Rd to W'moreland St	4434	1530	Average Range	12.58 9.87 to 18.04	13.94 11.37 to 16.66
Inbound Distance Liffey Valley to Westmoreland St	15253	4447	Average Range	N/A N/A	21.25 21.25
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Aston Quay to Bridge Street	1086	651	Average Range	14.17 8.55 to 27.34	18.01 8.99 to 31.52
Bridge Street to Cornmarket	316	0	Average Range	8.24 5.74 to 20.32	7.58 5.63 to 14.96
Cornmarket to James Street	796	711	Average Range	11.28 4.98 to 19.90	11.79 8.96 to 20.04
James Street to Emmet Road/Tyrconnell Road	2277	0	Average Range	11.08 5.36 to 33.32	17.94 14.66 to 22.10
Emmet Road/Tyrconnell Rd to Ballyfermot Rd/Kylemore Rd	2315	658	Average Range	22.05 16.63 to 31.76	22.34 21.59 to 23.28
Ballyfermot Rd/Kylemore Rd to Coldcut Road	2154	258	Average Range	9.00 4.97 to 24.05	13.16 11.42 to 15.39
Coldcut Road to Liffey Valley Centre	5912	1468	Average Range	18.27 16.07 to 21.22	19.84 18.44 to 21.43
Corridor Distance Aston Quay to Coldcut Road	8944	2278	Average Range	11.74 8.32 to 23.64	16.80 15.48 to 18.45
Outbound Distance Aston Quay to Tyrconnell Road	4475	1362	Average Range	11.00 6.81 to 18.93	15.18 13.22 to 18.69
Outbound Distance Aston Quay to Liffey Valley	14856	3746	Average Range	13.57 11.48 to 20.27	16.96 16.96

Table 10f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2008					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Nutgrove Avenue Terminus to Oakdown Road	298	0	Average Range	28.25 12.77 to 63.18	24.39 15.78 to 44.70
Oakdown Road to Rathfarnham Road	2098	1900	Average Range	18.11 13.63 to 23.83	18.24 15.77 to 23.02
Rathfarnham Road to Brookvale Road	277	0	Average Range	10.07 5.60 to 47.49	19.17 10.28 to 58.73
Brookvale Road to Terenure Road East	759	525	Average Range	12.53 5.99 to 32.14	19.52 15.53 to 27.89
Terenure Road East to Mount Tallant Avenue	816	0	Average Range	14.84 10.53 to 27.98	14.33 12.50 to 15.96
Mount Tallant Avenue to Leinster Road West	513	417	Average Range	9.77 3.85 to 23.68	16.06 10.26 to 23.68
Leinster Road West to Harolds Cross Road	214	0	Average Range	7.86 3.62 to 55.11	17.91 12.62 to 26.58
Harolds Cross Road to Clanbrassil Street	1043	845	Average Range	15.08 10.92 to 26.07	21.96 18.59 to 30.53
Clanbrassil Street to South Circular Road	478	0	Average Range	13.04 7.42 to 20.24	13.14 7.26 to 21.78
Clanbrassil Street to Dean Street	818	0	Average Range	7.79 5.30 to 14.43	18.06 15.10 to 22.48
Dean Street to Westmoreland Street	1425	197	Average Range	8.49 6.45 to 13.02	13.29 12.33 to 13.83
South Circular Road to Camden Street	777	532	Average Range	8.25 5.39 to 25.90	13.64 10.36 to 23.11
Camden Street to Bishop Street	142	0	Average Range	4.33 2.45 to 13.11	8.81 5.11 to 24.34
Bishop Street to Stephen Street	423	0	Average Range	11.90 7.11 to 23.43	9.17 5.64 to 13.01
Stephen Street to Westmoreland Street	655	514	Average Range	8.22 4.75 to 16.85	10.43 7.91 to 16.96
Westmoreland Street to Parnell Square West	1056	450	Average Range	11.80 5.90 to 22.10	8.28 3.92 to 13.87
Total Inbound Nutgrove Ave to W'land St	8493	4733	Average Range	11.35 8.11 to 14.44	15.43 15.43
Total Inbound Rathfarnham to W'land St	6097	2833	Average Range	9.81 6.89 to 13.10	14.51 13.39 to 17.21

Table 10f Rathfarnham QBC (continued)

Rathfarnham QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2008					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Parnell Square East to College Green	1188	591	Average Range	6.07 3.75 to 11.68	8.54 6.16 to 12.47
College Green to Bishop Street	943	291	Average Range	12.17 8.10 to 22.79	13.21 7.46 to 20.82
College Green to Dean Street	1290	0	Average Range	7.96 4.53 to 13.38	14.16 10.23 to 21.70
Dean Street to Canal	1070	0	Average Range	11.67 8.81 to 17.27	16.00 12.97 to 20.27
Bishop Street to Camden Street	293	0	Average Range	7.48 4.15 to 14.26	9.25 6.63 to 15.98
Camden Street to South Circular Road	958	160	Average Range	9.74 4.39 to 15.26	12.19 8.41 to 16.66
South Circular Road (Outbound Bus Lane)	247	247	Average Range	10.46 4.70 to 38.69	7.23 5.17 to 16.47
South Circular Road to Canal	427	0	Average Range	10.38 4.97 to 20.78	19.22 12.60 to 35.73
Canal to Leinster Road	749	447	Average Range	18.34 12.25 to 48.17	27.79 18.72 to 42.80
Leinster Road to Whitton Road	1240	0	Average Range	13.01 7.57 to 21.15	19.24 16.72 to 23.37
Whitton Road to Terenure Road North	174	174	Average Range	20.19 7.73 to 57.05	9.35 7.04 to 20.88
Terenure Road North to Rathfarnham Road	1287	0	Average Range	11.88 7.55 to 22.71	15.14 11.64 to 21.06
Rathfarnham Road to Butterfield Avenue	166	166	Average Range	13.12 4.15 to 39.84	26.00 19.26 to 37.30
Butterfield Avenue to Oakdown Road	1826	0	Average Range	17.03 12.35 to 21.69	17.16 15.50 to 19.33
Oakdown Road to Nutgrove Avenue Terminus	299	299	Average Range	30.77 21.10 to 59.80	N/A N/A
College Green to Butterfield Avenue	6484	1485	Average Range	11.57 10.00 to 15.00	14.55 12.76 to 15.76

Table 10g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Dun Laoghaire Station to Foxrock Church	5539	0	Average Range	16.53 12.55 to 26.55	14.86 13.90 to 15.55
Foxrock Church to Mount Merrion Avenue Direct	Peak 3393	3393	Average Range	19.86 13.08 to 31.72	N/A N/A
Foxrock Church to Mount Merrion Avenue via Stillorgan	Off Peak 3529	3393	Average Range	N/A N/A	27.44 24.06 to 33.34
Mount Merrion Avenue to Donnybrook	3267	2908	Average Range	22.07 14.34 to 37.46	26.37 19.03 to 36.41
Donnybrook to Morehampton Road	1190	1134	Average Range	15.63 8.10 to 33.21	14.23 8.45 to 19.83
Morehampton Road to Leeson Street	1335	653	Average Range	13.89 9.75 to 21.84	15.91 12.68 to 20.98
Leeson Street to Westmoreland Street	1551	570	Average Range	12.55 8.54 to 24.38	12.66 10.34 to 15.91
Total Inbound Distance Dun Laoghaire to Westmoreland St	Peak 16275	8658	Average Range	16.48 13.77 to 23.54	N/A N/A
Corridor Distance Foxrock Church to Leeson St	Peak 9185	8088	Average Range	18.84 13.73 to 28.24	N/A N/A
Corridor Distance Foxrock Church to Leeson St	Off Peak 9321	8088	Average Range	N/A N/A	22.16 18.18 to 28.58
Foxrock Church to Westmoreland St	Peak 10736	8658	Average Range	17.60 14.26 to 25.73	N/A N/A
Foxrock Church to Westmoreland St	Off Peak 10872	8658	Average Range	N/A N/A	21.31 17.26 to 24.91

Table 10g Stillorgan QBC (continued)

Stillorgan QBC Roadside Survey Results November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Parnell Square East to D'Olier Street	838	591	Average Range	5.10 3.47 to 11.09	8.15 5.66 to 14.23
D'Olier Street to Leeson Street	1526	462	Average Range	10.19 6.42 to 16.06	11.79 8.31 to 16.65
Leeson Street to Morehampton Road	1304	814	Average Range	10.64 6.16 to 19.81	17.32 13.53 to 33.05
Morehampton Road to Donnybrook	1202	447	Average Range	17.73 11.09 to 34.07	17.88 11.89 to 27.04
Donnybrook to Mount Merrion Avenue	3283	3215	Average Range	21.26 11.71 to 31.86	26.56 21.03 to 31.10
Mount Merrion Avenue to Foxrock Church (Off Peak)	Off Peak 3538	Off Peak 3153	Average Range	N/A N/A	20.61 17.26 to 30.11
Mount Merrion Avenue to Foxrock Church (Peak)	Peak 3367	Peak 3367	Average Range	20.65 13.41 to 27.61	N/A N/A
Foxrock Church to Dun Laoghaire Station	5206	0	Average Range	19.30 15.11 to 28.48	19.07 17.35 to 24.00
Total Outbound Distance Peak D'Olier St to Dun Laoghaire	Peak 15888	Peak 8305	Average Range	16.53 14.52 to 18.61	N/A N/A
Corridor Distance Peak Leeson St to Foxrock Church	Peak 9156	Peak 7843	Average Range	18.16 12.64 to 22.12	N/A N/A
Corridor Distance Off Peak Leeson St to Foxrock Church	Off Peak 9327	Off Peak 7629	Average Range	N/A N/A	22.49 18.56 to 33.08
D'Olier St to Foxrock Church	Peak 10682	Peak 8305	Average Range	16.20 13.38 to 18.83	N/A N/A
D'Olier St to Foxrock Church	Off Peak 10853	Off Peak 8091	Average Range	N/A N/A	20.55 17.05 to 26.58

Table 10h Swords QBC

Swords QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2008					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
County Council Offices to Swords Main Street	282	0	Average Range	6.68 3.51 to 17.81	6.27 4.90 to 9.15
Swords Main Street to Airside Business Park	2040	851	Average Range	27.30 20.69 to 38.65	27.61 20.63 to 40.57
Airside Business Park to Cloghran Roundabout	1314	1165	Average Range	31.75 21.31 to 46.84	42.23 35.56 to 49.80
Swords County Council to Cloghran Roundabout	3636	2016	Average Range	23.13 18.10 to 30.37	24.37 19.42 to 30.87
Cloghran Rbt to Airport South (Not via Airport)	1388	468	Average Range	28.23 20.15 to 39.98	37.85 32.03 to 44.23
Cloghran Rbt to Airport South (Via Airport)	3886	1162	Average Range	20.30 18.03 to 22.24	21.07 18.31 to 24.76
Airport South to Omni Park	3741	3063	Average Range	21.69 14.88 to 36.01	19.75 14.78 to 29.28
Omni Park to Collins Avenue	1423	1186	Average Range	13.52 9.56 to 25.87	22.08 16.37 to 28.78
Collins Avenue to Richmond Rd	1532	1183	Average Range	13.29 8.18 to 21.29	15.49 12.74 to 24.30
Richmond Rd to Dorset Street Lower	1111	946	Average Range	12.38 9.13 to 20.83	16.53 11.33 to 27.97
Dorset Street Lower to Frederick Street North	534	361	Average Range	14.03 8.66 to 30.51	10.86 7.12 to 16.86
Frederick Street North to O'Connell Street	796	796	Average Range	12.04 5.49 to 34.11	10.02 6.15 to 18.02
Richmond Rd to O'Connell Street	2441	2103	Average Range	11.89 8.50 to 19.40	12.05 8.76 to 15.98
Total Inbound Distance Swords CC to O'Connell St	Direct 14161		Average Range	17.58 14.63 to 27.12	N/A N/A
Total Inbound Distance Swords CC to O'Connell St	Via Airport 16659	10019	Average Range	18.36 17.06 to 19.85	18.54 18.54

Table 10h Swords QBC (continued)

Swords QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2008					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Lower Abbey Street to Dorset Street Lower	1497	352	Average Range	9.07 6.40 to 18.21	12.95 10.38 to 19.45
Dorset Street Lower to Botanic Avenue	909	909	Average Range	6.96 4.50 to 16.95	14.17 10.23 to 20.45
Botanic Avenue to Collins Avenue	1741	1131	Average Range	12.82 8.67 to 20.48	17.03 14.41 to 24.11
Collins Avenue to Omni Park	1298	0	Average Range	18.84 11.34 to 41.71	16.11 12.39 to 38.31
Omni Park to Airport South	3746	2500	Average Range	21.44 14.92 to 27.98	17.18 12.42 to 23.58
Airport South to Cloghran Rbt (Not Via Airport)	1360	1211	Average Range	19.51 13.95 to 27.82	21.86 18.54 to 29.67
Airport South to Cloghran Rbt (Via Airport)	2945	1274	Average Range	21.68 17.67 to 30.64	22.95 20.27 to 25.06
Cloghran Roundabout to Airside Business Park	1346	0	Average Range	32.96 20.36 to 61.32	34.12 23.87 to 46.60
Airside Business Park to Swords Main Street	1898	1242	Average Range	20.16 13.97 to 33.17	20.40 16.35 to 25.31
Cloghran Roundabout to County Council Offices	3526	1242	Average Range	21.62 16.44 to 26.72	21.12 18.08 to 27.90
Swords Main Street to County Council Offices	282	0	Average Range	8.99 2.56 to 67.68	12.23 6.77 to 22.06
Total Outbound Distance Lwr Abbey St to Swords CC	Direct 14077	7345	Average Range	15.06 12.09 to 20.19	N/A N/A
Total Outbound Distance Lwr Abbey St to Swords CC (A)	Via Airport 15662	7408	Average Range	15.29 13.46 to 16.82	19.46 19.46

Table 10i Tallaght QBC

Tallaght QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2008					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Main Street Tallaght to West of M50	1850	1106	Average Range	22.81 14.38 to 33.98	24.76 20.24 to 32.48
West of M50 to East of M50	673	0	Average Range	18.63 8.84 to 29.91	27.23 23.07 to 31.06
East of M50 to Oldbridge Road	1412	1162	Average Range	19.25 14.36 to 32.58	29.90 28.55 to 32.58
Oldbridge Road to Fortfield Road	1212	245	Average Range	18.41 10.75 to 34.35	21.08 18.18 to 26.76
Fortfield Road to Rathdown Park	595	519	Average Range	22.55 6.93 to 57.86	48.70 35.10 to 69.05
Rathdown Park to Terenure Road East	806	0	Average Range	7.59 5.36 to 23.79	18.02 13.69 to 24.80
Terenure Road East to Rathgar Road	1256	1082	Average Range	17.32 11.68 to 25.69	19.32 13.66 to 26.91
Rathgar Road to Leinster Road	495	0	Average Range	8.37 4.06 to 24.75	12.21 8.33 to 24.09
Leinster Road to Canal	594	400	Average Range	12.81 8.16 to 28.51	16.71 10.09 to 27.06
Canal to Camden Street Upper	430	0	Average Range	6.88 3.79 to 20.11	9.50 7.17 to 17.59
Camden Street Upper to Westmoreland Street	1580	798	Average Range	9.22 6.61 to 15.98	8.51 7.15 to 10.42
Camden St Upr to W'moreland St via Earlsfort Tce (15 Series)	2085	1235	Average Range	9.77 6.08 to 17.10	11.34 9.95 to 13.67
West of M50 to Camden Street	7473	3408	Average Range	13.69 11.47 to 22.90	19.05 18.89 to 19.11
West of M50 to W'moreland St	9053	4206	Average Range	12.73 10.72 to 19.25	16.43 16.43
Main St to W'moreland Street	10903	5312	Average Range	13.31 11.85 to 15.56	N/A N/A

Table 10i Tallaght QBC (continued)

Tallaght QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2008					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Eden Quay to Dame Street	806	0	Average Range	6.06 3.49 to 11.99	9.09 7.06 to 14.65
Dame Street to Harcourt Road	1253	428	Average Range	8.53 6.40 to 13.54	9.64 7.83 to 11.45
Harcourt Road to Canal	748	131	Average Range	18.19 8.36 to 30.95	20.10 10.60 to 50.83
Canal to Leinster Road	595	134	Average Range	10.87 4.63 to 22.08	9.96 5.61 to 18.62
Leinster Road to Rathgar Road	357	52	Average Range	8.63 4.74 to 32.95	9.88 5.54 to 19.18
Rathgar Road to Terenure Road East	1410	228	Average Range	16.48 11.41 to 32.75	18.00 14.06 to 20.63
Terenure Road East to Rathdown Park	800	0	Average Range	11.12 6.01 to 19.86	15.74 12.91 to 23.41
Rathdown Park to Fortfield Road	596	0	Average Range	26.49 9.21 to 61.34	33.02 16.76 to 59.60
Fortfield Road to Oldbridge Road	1298	219	Average Range	14.20 9.77 to 24.09	19.80 14.65 to 30.75
Oldbridge Road to East of M50	1327	419	Average Range	22.54 17.43 to 31.63	21.14 19.84 to 23.42
East of M50 to West of M50	653	0	Average Range	27.02 20.62 to 46.09	30.92 25.56 to 53.45
West of M50 to Main Street Tallaght	1917	0	Average Range	21.63 16.96 to 33.18	16.71 13.83 to 20.36
Eden Quay to West of M50	9843	1611	Average Range	13.65 11.31 to 16.93	15.22 14.53 to 15.66

Table 10j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Ballymun Civic Centre to Griffith Avenue	1976	1650	Average Range	15.88 8.86 to 28.45	19.98 14.85 to 26.74
Griffith Avenue to Botanic Avenue	792	754	Average Range	17.82 9.05 to 48.34	27.15 19.53 to 46.73
Griffith Avenue to Dorset St Lwr/Whitworth Rd	2840	1185	Average Range	13.99 10.39 to 20.37	14.97 14.40 to 15.59
Botanic Avenue to Cliftonville Road	329	0	Average Range	4.28 1.62 to 20.78	7.50 3.70 to 15.39
Bon Secours Hospital to Cliftonville Road	595	0	Average Range	3.71 2.24 to 26.12	12.10 6.69 to 23.53
Cliftonville Road to Prospect Road/Whitworth Rd	578	457	Average Range	11.69 5.61 to 23.92	12.10 6.50 to 23.92
Prospect Rd/Whitworth Rd to Dorset St Lwr/Whitworth Rd	957	17	Average Range	14.06 6.29 to 23.12	16.89 12.17 to 37.46
Prospect Rd/Whitworth Rd to Phibsboro Rd/North Circular Rd	460	157	Average Range	7.02 4.70 to 10.55	6.54 5.11 to 8.76
Phibsboro Rd/North Circular Rd to Frederick Street North	1471	0	Average Range	15.85 11.01 to 23.85	18.32 13.34 to 28.47
Dorset St Lwr/Whitworth Rd to Frederick Street North	703	703	Average Range	10.91 7.03 to 21.27	8.67 7.13 to 17.57
Frederick Street North to Parnell Square East	390	390	Average Range	12.65 4.73 to 50.11	12.32 5.97 to 37.92
Frederick Street North to South Great Georges St	1864	981	Average Range	8.13 4.83 to 15.05	7.77 6.60 to 9.18
Parnell Square East to Lwr O'Connell Street	591	591	Average Range	6.20 2.41 to 17.44	7.02 2.52 to 22.16
Lwr O'Connell Street to South Great Georges Street	883	0	Average Range	8.26 4.82 to 16.73	7.46 5.96 to 8.93
Inbound Ballymun to Lwr O'Connell St via Whitworth Road	6316	4562	Average Range	10.17 7.25 to 18.02	18.31 15.94 to 21.49
Inbound Ballymun to Lwr O'Connell St via Phibsboro	6587	3999	Average Range	11.70 7.71 to 19.44	14.66 14.46 to 14.98
Inbound Ballymun to Lwr O'Connell St via Griffith Ave	6500	4519	Average Range	12.19 9.84 to 16.61	N/A N/A

Ballymun QBC (continued)

Ballymun QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Camden Street Upper to O'Connell St Lwr via Camden St	1939	798	Average Range	8.17 6.63 to 11.63	8.17 5.20 to 12.51
Camden Street Upper to O'Connell St Lwr via Earlsfort Tce	2353	665	Average Range	9.83 8.18 to 11.72	16.38 16.38
O'Connell St Lwr to Parnell Square West	788	450	Average Range	8.13 4.21 to 19.04	9.95 5.23 to 28.36
Parnell Sq West to Dorset Street Upper/Granby Row	224	20	Average Range	13.90 3.26 to 50.34	8.40 4.13 to 36.62
Parnell Sq West to Phibsboro Rd/North Circular Rd	1456	713	Average Range	9.34 5.66 to 19.06	14.36 12.63 to 20.16
Phibsboro Rd/North Circular Rd to Prospect Rd	424	0	Average Range	6.28 3.11 to 12.41	10.52 6.18 to 39.14
Granby Row to Blessington Street	233	233	Average Range	4.48 1.53 to 49.40	4.05 1.98 to 16.12
Blessington St to Dorset St Lwr/Whitworth Rd	659	659	Average Range	4.84 3.19 to 7.23	11.63 7.68 to 19.45
Dorset Street Lwr/Whitworth to Prospect Rd	952	0	Average Range	15.51 10.48 to 27.86	18.43 13.54 to 25.76
Dorset St Lwr to Ballymun Rd/The Rise via Griffith Ave	3088	1380	Average Range	9.37 7.97 to 10.97	18.81 18.81
Prospect Road to Botanic Road/Glasnevin Hill	768	0	Average Range	13.49 9.57 to 20.18	15.27 9.53 to 18.43
Glasnevin Hill to Ballymun Road/The Rise	1354	0	Average Range	17.16 12.89 to 28.51	20.48 13.77 to 34.82
Ballymun Road/The Rise to Ballymun Shopping Centre	1751	1683	Average Range	16.72 14.23 to 22.59	19.39 16.08 to 24.53
Outbound O'Connell St to Ballymun via Whitworth Rd	6729	3045	Average Range	11.38 9.97 to 12.52	15.67 15.67
Outbound O'Connell St to Ballymun via Phibsboro	6541	2846	Average Range	11.16 9.00 to 12.98	14.86 14.86
Outbound O'Connell St to Ballymun via Griffith Ave	6743	4425	Average Range	10.28 10.19 to 10.37	15.66 15.66

Table 10k Bray QBC

Bray QBC Roadside Survey Results November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Bray Main Street to Upper Dargle Road	516	162	Average Range	14.40 9.19 to 25.80	14.29 9.02 to 21.85
Upper Dargle Road to Wilford Roundabout	630	0	Average Range	11.94 7.79 to 23.88	17.05 12.89 to 21.60
Wilford Roundabout to Shanganagh Cemetery	1238	259	Average Range	43.69 33.01 to 64.59	42.86 39.09 to 51.83
Shanganagh Cemetery to Shankill Village	885	0	Average Range	24.70 14.96 to 45.50	33.54 26.78 to 61.25
Shankill Village to Loughlinstown Roundabout	1486	323	Average Range	21.66 14.58 to 36.65	27.71 23.67 to 36.39
Loughlinstown Roundabout to Cabinteely South	2653	2137	Average Range	24.74 16.96 to 35.24	28.77 26.31 to 31.63
Cabinteely South to Foxrock Church	2117	2017	Average Range	38.69 16.04 to 84.68	36.47 26.46 to 51.84
Total Inbound Distance Bray to Foxrock Church	9525	4898	Average Range	22.69 14.54 to 33.55	31.60 25.78 to 38.57
Total Inbound Distance Bray to Leeson Street	18710	13162	Average Range	20.44 17.06 to 23.46	28.76 28.76
Total Inbound Distance Bray to Westmoreland Street	20261	13732	Average Range	19.27 16.15 to 21.36	26.29 26.29

Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Foxrock Church to Cabinteely South	2243	2243	Average Range	44.37 24.47 to 79.18	56.86 46.94 to 69.01
Cabinteely South to Loughlinstown Roundabout	2552	2552	Average Range	22.14 15.04 to 38.44	30.52 25.31 to 44.16
Loughlinstown Roundabout to Shankill Village	1483	0	Average Range	22.91 19.40 to 29.66	27.52 22.43 to 34.22
Shankill Village to Wilford Roundabout	2120	0	Average Range	33.47 16.81 to 52.63	41.70 34.85 to 74.08
Wilford Roundabout to Upper Dargle Road	628	0	Average Range	11.77 5.71 to 22.39	16.03 10.56 to 26.29
Upper Dargle Road to Bray Main Street	450	196	Average Range	14.46 8.57 to 33.05	15.72 10.52 to 30.00
Total Outbound Distance Foxrock Church to Bray	9476	4991	Average Range	24.38 20.33 to 32.24	33.91 32.00 to 37.73
Total Outbound Distance Leeson Street to Bray	18632	12798	Average Range	20.48 18.57 to 23.41	27.73 26.99 to 28.51
Total Outbound Distance D'Olier Street to Bray	20158	13260	Average Range	19.17 17.03 to 21.71	N/A N/A
Total Outbound Distance Parnell Square East to Bray	20996	13851	Average Range	18.16 17.27 to 19.14	N/A N/A

Table 10I Clontarf QBC

Clontarf QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Clontarf Garage to Vernon Avenue	453	453	Average Range	29.13 18.97 to 65.18	33.97 19.88 to 50.99
Vernon Avenue to Castle Avenue	923	923	Average Range	20.51 12.44 to 54.45	24.26 15.04 to 56.34
Castle Avenue to Alfie Byrne Road	812	812	Average Range	27.32 13.17 to 46.40	26.81 19.11 to 51.28
Alfie Byrne Road to Fairview	555	555	Average Range	14.80 8.61 to 25.61	19.59 13.23 to 36.31
Fairview to Amiens Street	1897	1529	Average Range	17.33 12.65 to 33.98	21.75 16.45 to 26.57
Amiens Street to Talbot Street	435	0	Average Range	12.24 4.44 to 47.45	15.51 7.87 to 44.77
Inbound Clontarf Garage to Fairview	2743	2743	Average Range	20.70 13.42 to 32.48	25.19 21.86 to 30.48
Inbound Clontarf Garage to Amiens Street	4640	4272	Average Range	21.28 16.42 to 28.07	24.67 21.50 to 27.98
Inbound Clontarf Garage to Talbot Street	5075	4272	Average Range	20.67 15.00 to 28.64	24.23 21.57 to 27.60

Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Lower Abbey Street to North Strand	763	0	Average Range	5.16 2.94 to 12.21	9.22 6.33 to 13.94
Amiens Street/North Strand to Fairview	1706	1706	Average Range	17.75 8.82 to 37.91	22.41 15.47 to 36.78
Fairview to Alfie Byrne Road	734	0	Average Range	14.52 8.26 to 21.14	15.28 9.79 to 19.57
Alfie Byrne Road to Castle Avenue	868	0	Average Range	19.53 15.86 to 26.26	22.48 16.80 to 27.46
Castle Avenue to Vernon Avenue	868	0	Average Range	32.55 25.20 to 41.66	37.66 32.90 to 42.24
Vernon Avenue to Clontarf Garage	419	0	Average Range	13.84 8.43 to 24.72	18.62 13.46 to 27.93
Outbound Fairview to Clontarf Garage	2889	0	Average Range	18.94 14.02 to 25.12	21.67 17.69 to 25.18
Outbound North Strand to Clontarf Garage	4595	1706	Average Range	18.30 14.50 to 23.07	21.76 17.77 to 23.94
Outbound Lwr Abbey Street to Clontarf Garage	5358	1706	Average Range	13.27 10.24 to 19.35	18.56 15.56 to 21.50

Table 10m Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Drimnagh Road to St Marys Road	706	706	Average Range	14.44 7.52 to 31.78	16.83 8.79 to 26.76
St Marys Road to Dolphins Barn	1934	882	Average Range	9.76 4.91 to 36.84	13.31 9.21 to 17.02
Dolphins Barn to Dean Street	1474	1287	Average Range	15.70 9.96 to 34.68	20.97 19.15 to 26.40
Dean Street to Westmoreland Street	1425	197	Average Range	9.06 6.06 to 13.72	10.24 8.38 to 12.89
Westmoreland Street to Ringsend Road	1741	0	Average Range	10.75 8.21 to 14.78	13.08 9.44 to 16.49
Corridor Distance Drimnagh Rd to Westmoreland St	5539	3072	Average Range	10.88 7.61 to 20.30	14.12 13.54 to 14.76
Inbound Distance Drimnagh Road to Dean Street	4114	2875	Average Range	11.92 7.32 to 24.36	16.83 14.43 to 19.59

Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Ringsend Road to College Green	1723	984	Average Range	5.54 3.78 to 12.07	13.28 8.66 to 22.97
College Green to Dean Street	1290	118	Average Range	6.51 4.32 to 11.55	10.12 8.29 to 15.53
Dean Street to Dolphins Barn	1475	1379	Average Range	16.54 10.88 to 24.13	16.64 12.35 to 29.33
Dolphins Barn to St Marys Road	1900	377	Average Range	15.23 10.74 to 21.58	15.34 12.48 to 19.05
St Marys Road to Drimnagh Road	739	739	Average Range	18.10 10.90 to 40.94	21.81 14.38 to 41.55
Corridor Distance College Green to Drimnagh Road	5404	2613	Average Range	11.69 10.13 to 14.92	13.45 10.50 to 18.85
Outbound Distance Dean Street to Drimnagh Road	4114	2495	Average Range	15.77 12.68 to 21.40	15.36 13.32 to 18.94

Table 10n Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Raheny to Sybil Hill Road	1386	964	Average	19.80	31.98
			Range	10.92 to 30.43	25.20 to 38.38
Raheny to Sybil Hill Road via All Saints Road (29A)	1893	N/A	Average	16.66	19.36
			Range	11.65 to 24.00	15.67 to 27.04
Sybil Hill Road to Collins Avenue East	1042	727	Average	16.53	18.39
			Range	9.29 to 32.90	11.76 to 30.50
Collins Avenue East to Copeland Avenue	1283	319	Average	14.95	29.80
			Range	9.97 to 23.81	26.85 to 35.26
Copeland Avenue to Fairview	443	329	Average	10.56	16.79
			Range	5.72 to 28.49	10.22 to 27.04
Fairview to Amiens Street	1897	1529	Average	17.33	21.75
			Range	12.65 to 33.98	16.45 to 26.57
Amiens Street to Talbot Street	435	0	Average	12.24	15.51
			Range	4.44 to 47.45	7.87 to 44.77
Inbound Raheny to Fairview	4154	2339	Average	16.38	23.74
			Range	12.13 to 23.93	22.22 to 26.19
Inbound Raheny to Fairview via All Saints Rd (29A)	4661	N/A	Average	15.80	21.85
			Range	11.69 to 23.60	21.27 to 22.43
Inbound Raheny to Amiens Street	6051	3868	Average	16.83	24.26
			Range	13.12 to 21.83	23.30 to 25.01
Inbound Raheny to Amiens St via All Saints Road (29A)	6558	N/A	Average	16.21	22.29
			Range	12.24 to 19.91	21.25 to 23.15

Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Eden Quay to Amiens Street/North Strand	802	0	Average	5.82	10.35
			Range	3.44 to 14.58	8.72 to 12.72
Amiens Street/North Strand to Fairview	1706	1706	Average	17.75	22.41
			Range	8.82 to 37.91	15.47 to 36.78
Fairview to Copeland Avenue	610	0	Average	14.35	14.54
			Range	7.96 to 27.79	10.76 to 22.63
Copeland Avenue to Collins Avenue East	1241	0	Average	13.13	27.08
			Range	8.01 to 23.64	23.64 to 33.34
Collins Avenue East to Sybil Hill Road	1030	0	Average	19.21	23.03
			Range	10.75 to 30.40	18.54 to 39.44
Sybil Hill Road to Raheny via All Saints Road (29A)	2036	0	Average	N/A	N/A
			Range	N/A	N/A
Sybil Hill Road to Raheny	1467	122	Average	22.57	22.10
			Range	14.59 to 34.52	16.82 to 29.51
Fairview to Raheny	4348	122	Average	16.78	21.07
			Range	13.69 to 20.28	19.14 to 24.23
Outbound North Strand to Raheny	6054	1828	Average	17.32	21.18
			Range	13.84 to 21.47	18.47 to 25.52
Outbound Nth Strand to Raheny via All Saints Rd 29A	6623	N/A	Average	N/A	N/A
			Range	N/A	N/A
Outbound Eden Quay to Raheny	6856	1828	Average	14.14	18.98
			Range	10.96 to 17.94	16.33 to 22.44
Outbound Eden Quay to Raheny via All Saints Rd 29A	7425	N/A	Average	N/A	N/A
			Range	N/A	N/A

Table 10o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Frascati Road to Booterstown	1268	1066	Average Range	17.56 10.10 to 28.71	27.84 20.66 to 36.42
Booterstown to Ballsbridge	3209	2117	Average Range	17.35 11.85 to 30.72	22.65 21.35 to 30.56
Ballsbridge to Merrion Square	1664	916	Average Range	15.56 11.93 to 31.52	17.41 14.83 to 21.24
Merrion Square to O'Connell Street	2124	906	Average Range	17.03 12.23 to 24.66	13.51 8.64 to 19.02
Total Inbound Blackrock to O'Connell Street	8265	5005	Average Range	15.41 11.59 to 22.57	18.25 15.92 to 21.54
Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
O'Connell Street to Merrion Square	1608	525	Average Range	11.86 8.60 to 17.13	14.73 11.35 to 18.98
Merrion Square to Ballsbridge	1609	217	Average Range	14.37 8.54 to 22.28	10.95 6.77 to 17.34
Ballsbridge to Booterstown	3218	345	Average Range	10.62 6.33 to 18.69	22.50 19.34 to 26.82
Booterstown to Frascati Road	1277	1095	Average Range	24.07 13.76 to 46.92	28.03 20.80 to 35.92
Corridor Outbound Distance O'Connell St to Blackrock	7712	2182	Average Range	12.32 9.05 to 18.55	16.91 13.76 to 21.19

Table 10p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2008					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Nangor Road/Grangecastle to Ninth Lock Road	2818	2218	Average Range	18.55 13.11 to 28.42	24.50 21.63 to 28.57
Ninth Lock Road to Naas Road	2932	2155	Average Range	22.08 15.21 to 30.42	22.65 18.85 to 27.70
Naas Road to Drimnagh Road	1641	1376	Average Range	18.81 14.88 to 24.51	22.46 20.02 to 24.82
Drimnagh Road to St Mary's Road	706	706	Average Range	14.44 7.52 to 31.78	16.83 8.79 to 26.76
St Mary's Road to Dolphin's Barn	1934	882	Average Range	9.76 4.91 to 36.84	13.31 9.21 to 17.02
Dolphin's Barn to Dean Street	1474	1287	Average Range	15.70 9.96 to 34.68	20.97 19.15 to 26.40
Dean Street to Bachelors Walk	1534	767	Average Range	9.47 6.76 to 11.53	7.38 6.05 to 10.23
Nangor Road/Grangecastle to Bachelors Walk	13039	9391	Average Range	13.55 10.51 to 20.82	17.14 16.69 to 17.63

Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
College Green to Dean Street	1290	118	Average Range	6.51 4.32 to 11.55	10.12 8.29 to 15.53
Dean Street to Dolphin's Barn	1475	1379	Average Range	16.54 10.88 to 24.13	16.64 12.35 to 29.33
Dolphin's Barn to St Mary's Road	1900	377	Average Range	15.23 10.74 to 21.58	15.34 12.48 to 19.05
St Mary's Road to Drimnagh Road	739	739	Average Range	18.10 10.90 to 40.94	21.81 14.38 to 41.55
Drimnagh Road to Naas Road	1620	1279	Average Range	12.96 7.01 to 25.03	21.76 16.52 to 32.40
Naas Road to Ninth Lock Road	3105	2483	Average Range	21.96 15.35 to 35.26	25.41 22.67 to 34.29
Ninth Lock Road to Nangor Road/Grangecastle	2778	2390	Average Range	19.76 14.58 to 25.71	27.18 19.23 to 33.67
College Green to Nangor Road/Grangecastle	12907	8765	Average Range	13.99 11.86 to 16.41	18.39 18.39

13 League Tables

The results from all the sections of each QBC are collated into league tables of results. These results are expressed in terms of bus speeds.

League tables are available for each of the time periods surveyed, ie morning peak, off peak inbound, off peak outbound and the afternoon/evening peak. A composite league table is also available showing the results for all time periods.

The league table for the morning peak period is shown in this section as an example:
Table 11

The results are shown for 2008 and are compared with the years 2002 to 2007. As with the bus speed tables in **Section 12**, the results are colour coded as follows:

- **Yellow** denotes those sections where average speed is less than 5 kilometres per hour which effectively is walking speed
- **Blue** denotes those sections where average speed is greater than 5 but less than 10 kilometres per hour
- **Green** denotes those sections where average speed is greater than 10 but less than the minimum QBC specification speed (ie 20 kilometres per hour less 12% boarding and alighting time)
- White denotes those sections that exceed the QBC specification

The composite league table and those in relation to the off peak and the afternoon/evening peak periods can be obtained from Michael Warnock-Smith of Dublin Transportation Office at the following e-mail address: michael.warnocksmith@dto.ie

Table 11 Morning Peak Period League Table

Quality Bus Corridors - AM Peak Average Sectional Bus Speeds - League Table - November 2008																					
Ave Journey Time (S)	Ave Speed KM/H	2007	2006	2005	2004	2003	2002	Section	Section Length Metres	Bus Lane Metres	QBC	Time Period	Range		Position	2007 Position	2006 Position	2005 Position	2004 Position	2003 Position	2002 Position
													Low KM/H	High KM/H							
577	3.71	5.20	4.76	5.48	8.74	N/A	N/A	Bon Secours Hospital to Cliftonville Road	595	0	Ballymun	AM Peak	2.24	26.12	136/136	132/138	127/130	119/132	N/A	N/A	N/A
277	4.28	3.25	3.85	3.97	5.29	N/A	N/A	Botanic Avenue to Cliftonville Road	329	0	Ballymun	AM Peak	0.57	12.10	135/136	137/138	129/130	128/132	N/A	N/A	N/A
118	4.33	3.02	3.76	4.73	2.92	2.94	N/A	Camden Street to Bishop Street	142	0	Rathfarnham	AM Peak	2.45	13.11	134/136	138/138	130/130	122/132	105/106	97/97	N/A
88	6.13	13.85	4.00	6.58	0.37	4.50	4.57	North of Kilmore Road to St Davids Wood	150	0	Malahide	AM Peak	2.34	19.27	133/136	75/138	128/130	113/132	106/106	95/97	68/74
343	6.20	3.90	6.47	4.69	9.37	N/A	N/A	Parnell Square East to Lower O'Connell St	591	591	Ballymun	AM Peak	2.41	17.44	132/136	136/138	118/130	123/132	N/A	N/A	N/A
152	6.68	8.60	10.05	6.34	9.27	11.67	N/A	County Council Offices to Main Street	282	0	Swords	AM Peak	3.51	17.81	131/136	113/138	87/130	116/132	85/106	62/97	N/A
225	6.88	6.88	6.17	9.32	8.18	7.59	7.13	Canal to Camden Street Upper	430	0	Tallaght	AM Peak	3.79	20.11	130/136	123/138	121/130	93/132	92/106	84/97	59/74
947	6.98	6.02	4.81	7.60	8.94	N/A	N/A	Shelern Rd to B'chardstown Rd Sth Direct	1836	341	Blanchardstown	AM Peak	4.57	9.71	129/136	129/138	126/130	107/132	N/A	N/A	N/A
236	7.02	6.39	6.70	4.26	N/A	N/A	N/A	Prospect Road to Phibsboro/NCR	460	157	Ballymun	AM Peak	4.70	10.55	128/136	127/138	114/130	126/132	N/A	N/A	N/A
406	7.48	8.44	7.10	N/A	N/A	N/A	N/A	Ormond Quay to Westmoreland Street	844	221	Blanchardstown	AM Peak	5.72	12.25	127/136	115/138	113/130	N/A	N/A	N/A	N/A
382	7.59	4.81	6.27	6.67	5.97	7.38	4.29	Rathdown Park to Terenure Road East	806	0	Tallaght	AM Peak	5.36	23.79	126/136	134/138	120/130	111/132	101/106	85/97	70/74
378	7.79	7.87	8.44	6.60	7.79	N/A	N/A	Clanbrassil Street to Dean Street	818	0	Rathfarnham	AM Peak	5.30	14.43	125/136	118/138	102/130	112/132	N/A	N/A	N/A
98	7.86	5.62	6.02	3.45	3.94	4.08	2.38	Leinster Road West to Harolds Cross Road	214	0	Rathfarnham	AM Peak	3.62	55.11	124/136	130/138	122/130	131/132	103/106	96/97	74/74
489	8.08	5.02	8.00	5.79	13.04	N/A	N/A	Main Street to River Road Roundabout	1098	460	Blanchardstown	AM Peak	4.88	16.75	123/136	133/138	106/130	N/A	61/106	N/A	N/A
287	8.22	6.91	7.51	8.02	8.33	10.53	9.87	Stephen Street to Westmoreland Street	655	514	Rathfarnham	AM Peak	4.75	16.85	122/136	126/138	109/130	106/132	90/106	64/97	47/74
339	8.25	8.96	8.88	9.58	7.80	13.26	7.54	South Circular Road to Camden Street	777	532	Rathfarnham	AM Peak	5.39	25.90	121/136	111/138	96/130	90/132	94/106	55/97	57/74
385	8.26	7.57	N/A	N/A	N/A	N/A	N/A	Lower O'Connell St to South Great Georges St	883	0	Ballymun	AM Peak	4.83	15.05	120/136	122/138	N/A	N/A	N/A	N/A	N/A
213	8.37	7.75	4.92	3.86	4.16	5.64	3.21	Rathgar Road to Leinster Road	495	0	Tallaght	AM Peak	4.06	24.75	118/136	119/138	125/130	129/132	102/106	92/97	73/74
620	8.49	7.69	9.29	12.63	6.99	N/A	N/A	Dean Street to Westmoreland Street	1425	197	Rathfarnham	AM Peak	6.45	13.02	119/136	121/138	93/130	67/132	N/A	N/A	N/A
263	9.18	27.44	6.53	18.51	16.09	11.96	10.59	St Davids Wood to Collins Avenue	671	601	Malahide	AM Peak	2.52	47.36	117/136	10/138	116/130	35/132	46/106	60/97	43/74
617	9.22	9.17	9.07	6.43	11.02	8.63	N/A	Camden St Upper to Westmoreland Street	1580	798	Tallaght	AM Peak	6.61	15.96	116/136	109/138	95/130	115/132	74/106	79/97	N/A
524	9.38	10.26	10.03	10.05	8.27	8.90	8.20	Commarket to Westmoreland Street	1365	197	North Clondalkin	AM Peak	6.23	15.17	115/136	105/138	88/130	85/132	91/106	76/97	55/74
583	9.47	9.84	N/A	N/A	N/A	N/A	N/A	Dean Street to Bachelors Walk	1534	767	South Clondalkin	AM Peak	6.76	11.53	114/136	106/138	N/A	N/A	N/A	N/A	N/A
713	9.76	12.17	10.81	N/A	N/A	N/A	N/A	St Marys Road to Dolphins Barn	1934	882	South Clondalkin	AM Peak	4.91	36.84	113/136	86/138	N/A	N/A	N/A	N/A	N/A
189	9.77	7.02	6.52	9.77	7.59	20.76	4.73	Mount Tallant Avenue to Leinster Rd West	513	417	Rathfarnham	AM Peak	3.85	23.68	112/136	124/138	117/130	88/132	96/106	21/97	67/74
768	9.77	11.47	9.88	11.14	N/A	N/A	N/A	Camden St Uppr to W'moreland St via Earlsfort	2085	1235	Tallaght	AM Peak	6.08	17.10	111/136	92/138	89/130	81/132	N/A	N/A	N/A
99	10.07	9.32	8.11	9.87	9.84	9.59	6.69	Rathfarnham Road to Brookvale Road	277	0	Rathfarnham	AM Peak	5.60	47.49	110/136	108/138	105/130	87/132	84/106	70/97	62/74
234	10.12	13.69	5.33	13.77	12.67	9.01	N/A	Manor Street to Blackhall Place	658	617	Blanchardstown	AM Peak	4.99	18.22	109/136	79/138	123/130	62/132	63/106	74/97	N/A
373	10.30	11.64	8.67	13.99	10.80	9.80	N/A	Arran Quay to Bachelors Walk	1067	936	Lucan	AM Peak	5.83	19.50	108/136	89/138	99/130	60/132	76/106	68/97	N/A
151	10.56	12.55	14.63	3.51	N/A	N/A	N/A	Copeland Avenue to Fainview	443	329	Howth Road	AM Peak	5.72	28.49	107/136	84/138	57/130	130/132	N/A	N/A	N/A
107	10.70	6.09	8.23	4.30	2.94	4.89	6.06	Collins Avenue to Casino Park	318	0	Malahide	AM Peak	2.72	63.60	106/136	128/138	104/130	125/132	104/106	94/97	64/74
583	10.75	12.10	N/A	N/A	N/A	N/A	N/A	Westmoreland Street to Ringsend Road	1741	0	Crumlin Road	AM Peak	8.21	14.78	105/136	87/138	N/A	N/A	N/A	N/A	N/A
232	10.91	10.68	11.99	16.40	12.95	N/A	N/A	Dorset St Lower to Frederick Street North	703	703	Finglas	AM Peak	7.03	21.27	104/136	100/138	75/130	49/132	62/106	N/A	N/A
265	11.42	10.37	14.49	6.79	16.92	8.01	N/A	Ratoath Road to North Circular Road	841	0	Blanchardstown	AM Peak	7.68	30.27	103/136	103/138	58/130	110/132	41/106	82/97	N/A
178	11.69	10.73	13.17	11.74	11.96	N/A	N/A	Cliftonville Road to Prospect Road	578	457	Ballymun	AM Peak	5.61	23.92	102/136	98/138	65/130	72/132	N/A	N/A	N/A
322	11.80	10.33	N/A	N/A	N/A	N/A	N/A	Westmoreland Street to Parnell Square West	1056	450	Rathfarnham	AM Peak	5.90	22.10	101/136	104/138	N/A	N/A	N/A	N/A	N/A
739	11.89	7.00	9.83	9.03	9.99	8.69	9.30	Richmond Road to O'Connell Street	2441	2134	Swords	AM Peak	8.50	19.40	100/136	125/138	91/130	95	82/106	78/97	49/74

Table 11 Morning Peak Period League Table (continued)

Quality Bus Corridors - AM Peak Average Sectional Bus Speeds - League Table - November 2008																					
Ave Journey Time (S)	Ave Speed KM/H	2007	2006	2005	2004	2003	2002	Section	Section Length Metres	Bus Lane Metres	QBC	Time Period	Range		Position	2007	2006	2005	2004	2003	2002
													Low KM/H	High KM/H							
128	11.90	13.01	11.19	12.28	20.76	11.99	N/A	Bishop Street to Stephen Street	423	0	Rathfarnham	AM Peak	7.11	23.43	99/136	81/138	80/130	71/132	26/106	59/97	N/A
190	11.94	13.26	9.86	8.66	10.17	N/A	N/A	Upper Dargle Road to Wilford Roundabout	630	0	Bray	AM Peak	7.79	23.88	98/136	80/138	90/130	100/132	N/A	N/A	N/A
512	12.14	10.63	18.39	11.73	22.20	21.44	26.79	Rear of Town Centre to River Road R/bt	1727	0	Blanchardstown	AM Peak	9.14	14.19	97/136	101/138	38/130	73/132	22/106	17/97	8/74
316	12.17	11.94	8.45	11.28	17.20	8.74	10.71	Mount Brown to Cornmarket	1068	721	North Clondalkin	AM Peak	5.20	21.97	96/136	88/138	101/130	80/132	40/106	77/97	42/74
128	12.24	9.55	14.77	10.95	N/A	9.26	8.85	Amiens Street to Talbot Street	435	0	Malahide	AM Peak	4.44	47.45	95/136	107/138	55/130	83/132	N/A	73/97	53/74
323	12.38	11.43	10.33	11.66	11.51	9.90	N/A	Richmond Road to Dorset Street Lower	1111	946	Swords	AM Peak	9.13	20.83	94/136	93/138	86/130	74/132	70/106	67/97	N/A
218	12.53	11.24	7.97	8.62	15.50	13.07	9.94	Brookvale Road to Terenure Road East	759	525	Rathfarnham	AM Peak	5.99	32.14	93/136	96/138	107/130	102/132	51/106	56/97	46/74
445	12.55	12.98	10.74	9.59	12.37	10.03	10.48	Leeson Street to Westmoreland Street	1551	570	Stillorgan	AM Peak	8.54	24.38	92/136	83/138	81/130	89/132	64/106	66/97	44/74
110	12.65	10.97	11.80	11.05	15.68	N/A	N/A	Frederick St North to Parnell Sq East	390	390	Finglas	AM Peak	4.73	50.11	91/136	97/138	76/130	82/132	49/106	N/A	N/A
167	12.81	13.98	10.38	16.71	11.36	10.09	9.26	Leinster Road to Canal	594	400	Tallaght	AM Peak	8.16	28.51	90/136	74/138	85/130	46/132	72/106	65/97	52/74
637	12.95	16.77	15.25	11.64	19.65	18.71	N/A	Kylemore Road to Emmet Rd	2292	109	North Clondalkin	AM Peak	6.36	24.41	89/136	56/138	53/130	75/132	33/106	28/97	N/A
132	13.04	11.55	7.32	5.55	12.05	11.25	4.43	Clanbrassil Street to South Circular Road	478	0	Rathfarnham	AM Peak	7.42	20.24	88/136	91/138	111/130	118/132	66/106	63/97	69/74
151	13.04	8.95	10.48	5.27	12.37	7.08	N/A	Mellowes Road Bridge to Finglas Road	547	0	Finglas	AM Peak	9.51	23.16	87/136	112/138	83/130	120/132	65/106	86/97	N/A
415	13.29	15.71	12.45	17.45	15.99	15.67	17.73	Collins Avenue to Richmond Road	1532	1183	Swords	AM Peak	8.18	21.29	86/136	66/138	70/130	42/132	47/106	44/97	25/74
379	13.52	8.51	6.66	8.94	6.25	5.17	9.28	Omni Park to Collins Avenue	1423	1186	Swords	AM Peak	9.56	25.87	85/136	114/138	115/130	97/132	100/106	93/97	50/74
346	13.89	14.92	14.74	15.50	14.05	18.77	N/A	Morehampton Road to Leeson Street	1335	653	Stillorgan	AM Peak	9.75	21.84	84/136	69/138	56/130	51/132	59/106	26/97	N/A
731	13.99	10.53	11.53	11.58	11.71	N/A	N/A	Griffith Avenue to Dorset St Lower	2840	1185	Ballymun	AM Peak	10.39	20.37	83/136	102/138	78/130	76/132	N/A	N/A	N/A
137	14.03	7.88	10.39	4.83	8.04	N/A	N/A	Dorset Street Lower to Frederick Street North	534	361	Swords	AM Peak	8.66	30.51	82/136	117/138	84/130	46/132	72/106	65/97	52/74
245	14.06	12.26	13.10	13.41	10.99	13.89	15.38	Prospect Road to Dorset Street Lower	957	17	Finglas	AM Peak	6.29	23.12	81/136	85/138	66/130	65/132	75/106	54/97	29/74
284	14.07	5.42	13.27	14.32	37.69	N/A	N/A	Coolmine Road to Main Street	1110	0	Blanchardstown	AM Peak	8.20	21.26	80/136	131/138	64/130	58/132	3/106	N/A	N/A
384	14.36	16.51	6.41	13.65	15.46	14.40	13.86	Greencastle Road to North of Kilmore Road	1532	998	Malahide	AM Peak	8.82	32.25	79/136	58/138	119/130	63/132	52/106	53/97	33/74
384	14.36	16.51	6.41	13.65	15.46	14.40	13.86	Greencastle Road to North of Kilmore Road	1532	998	Malahide	AM Peak	8.82	32.25	78/136	58/138	119/130	63/132	52/106	53/97	33/74
129	14.40	11.39	7.84	8.64	20.64	N/A	N/A	Bray Main Street to Upper Dargle Road	516	162	Bray	AM Peak	9.19	25.80	77/136	94/138	108/130	101/132	N/A	N/A	N/A
176	14.44	17.90	16.83	N/A	N/A	N/A	N/A	Drimnagh Road to St Marys Road	706	706	South Clondalkin	AM Peak	7.52	31.78	76/136	42/138	N/A	N/A	N/A	N/A	N/A
235	14.57	14.51	12.97	20.50	23.77	22.67	14.32	Conyngham Road to Parkgate Street	951	674	Lucan	AM Peak	6.62	25.94	75/136	70/138	67/130	29/132	15/106	15/97	31/74
135	14.80	16.51	13.69	3.30	9.97	N/A	N/A	Alfie Byrne Road to Fairview	555	555	Clontarf	AM Peak	8.61	25.61	74/136	59/138	61/130	132/132	N/A	N/A	N/A
198	14.84	11.34	9.79	11.30	14.61	14.54	5.03	Terenure Road East to Mount Tallant Ave	816	0	Rathfarnham	AM Peak	10.53	27.98	73/136	95/138	92/130	79/132	57/106	52/97	66/74
309	14.95	18.33	16.21	35.80	N/A	N/A	N/A	Collins Avenue East to Copeland Avenue	1283	319	Hovth Road	AM Peak	9.97	23.81	72/136	39/138	49/130	4/132	N/A	N/A	N/A
249	15.08	12.99	12.11	36.45	18.53	26.63	14.90	Harolds Cross Road to Clanbrassil Street	1043	845	Rathfarnham	AM Peak	10.92	26.07	71/136	82/138	72/130	3/132	36/106	24/97	58/74
250	15.46	26.30	17.74	18.24	15.16	17.42	24.78	B'town Rd South to Rear of Town Centre	1074	302	Blanchardstown	AM Peak	11.79	20.90	70/136	15/138	40/130	39/132	55/106	31/97	11/74
385	15.56	16.64	N/A	N/A	N/A	N/A	13.74	Ballsbridge to Merion Square	1664	916	Rock Road	AM Peak	11.93	31.52	69/136	57/138	N/A	N/A	N/A	N/A	N/A
1078	15.61	16.90	17.53	9.56	16.44	16.43	N/A	Lucan Superquinn to Penny Hill Pub	4675	N/A	Lucan	AM Peak	11.73	23.51	68/136	53/138	42/130	91/132	45/106	39/97	N/A
274	15.63	16.35	16.48	23.03	19.09	12.82	N/A	Donnybrook to Morehampton Road	1190	1134	Stillorgan	AM Peak	8.10	33.21	67/136	61/138	48/130	22/132	34/106	57/97	N/A
338	15.70	8.37	10.57	N/A	N/A	N/A	N/A	Dolphins Barn to Dean Street	1474	1287	South Clondalkin	AM Peak	9.96	34.68	66/136	116/138	N/A	N/A	N/A	N/A	N/A
334	15.85	9.04	12.40	18.98	N/A	N/A	N/A	Phibsboro Road/NCR to Frederick St North	1471	0	Ballymun	AM Peak	11.01	23.85	65/136	110/138	71/130	31/132	N/A	N/A	N/A
448	15.88	14.43	16.74	26.74	14.94	N/A	N/A	Ballymun Civic Centre to Griffith Avenue	1976	1650	Ballymun	AM Peak	8.86	28.45	64/136	71/138	47/130	15/132	N/A	N/A	N/A

Table 11 Morning Peak Period League Table (continued)

Quality Bus Corridors - AM Peak Average Sectional Bus Speeds - League Table - November 2008																					
Ave Journey Time (S)	Ave Speed KM/H	2007	2006	2005	2004	2003	2002	Section	Section Length Metres	Bus Lane Metres	QBC	Time Period	Range		Position	2007	2006	2005	2004	2003	2002
													Low KM/H	High KM/H							
921	15.98	15.98	14.28	17.09	13.76	17.22	18.52	Priorswood Rd to Greencastle Rd via D'dale	4089	0	Malahide	AM Peak	10.86	29.80	63/136	63/138	59/130	44/132	60/106	33/97	21/74
422	16.38	13.71	7.34	9.30	15.35	8.96	N/A	Penny Hill Pub to Foxhunter	1920	1471	Lucan	AM Peak	11.78	23.04	62/136	78/138	110/130	94/132	53/106	75/97	N/A
1206	16.53	15.29	15.91	14.76	16.00	16.29	N/A	Dun Laoghaire to Foxrock Church	5539	0	Stillorgan	AM Peak	12.55	26.55	61/136	67/138	N/A	N/A	N/A	N/A	N/A
227	16.53	14.21	5.19	13.59	N/A	N/A	N/A	Sybil Hill Road to Collins Avenue	1042	727	Howth Road	AM Peak	9.29	32.90	60/136	73/138	124/130	64/132	N/A	N/A	N/A
178	16.58	30.13	25.45	N/A	6.46	N/A	N/A	Hansfield Road to Shelerin Road	820	0	Blanchardstown	AM Peak	7.00	35.99	59/136	8/138	15/130	N/A	98/106	N/A	N/A
409	16.66	19.99	17.30	7.23	N/A	N/A	N/A	Raheny to Sybil Hill Road via All Saints Rd	1893	964	Howth Road	AM Peak	11.65	24.00	58/136	32/138	44/130	109/132	N/A	N/A	N/A
107	16.72	18.07	12.09	8.13	10.34	6.60	5.88	Ellis Quay to Arran Quay	497	497	Lucan	AM Peak	9.04	38.08	57/136	40/138	73/130	104/132	79/106	89/97	65/74
465	17.03	14.24	N/A	N/A	N/A	N/A	N/A	Coldcut Road to Ballyfermot/Kylemore Road	2200	1000	North Clondalkin	AM Peak	9.71	38.63	56/136	72/138	N/A	N/A	N/A	N/A	N/A
449	17.03	17.78	N/A	N/A	N/A	N/A	11.95	Merrion Square to O'Connell Street	2124	906	Rock Road	AM Peak	12.23	24.66	55/136	43/138	N/A	N/A	N/A	N/A	N/A
250	17.06	16.80	22.94	16.28	22.69	53.99	34.13	Clare Hall to Priorswood Road	1185	1017	Malahide	AM Peak	10.64	27.88	54/136	55/138	23/130	50/132	18/106	29/97	16/74
417	17.27	17.48	N/A	N/A	N/A	N/A	N/A	Emmet Road to Mount Brown	2001	612	North Clondalkin	AM Peak	11.97	23.01	53/136	48/138	N/A	N/A	N/A	N/A	N/A
261	17.32	16.81	8.33	11.53	32.25	15.28	3.77	Terenure Road East to Rathgar Road	1256	1082	Tallaght	AM Peak	11.68	25.69	52/136	54/138	103/130	77/132	7/106	47/97	71/74
394	17.33	17.33	15.52	17.69	20.52	16.70	N/A	Fairview to Amiens Street	1897	1529	Malahide	AM Peak	12.65	33.98	51/136	51/138	52/130	40/132	27/106	36/97	N/A
666	17.35	18.54	N/A	N/A	N/A	N/A	8.27	Boosterstown to Ballsbridge	3209	2117	Rock Road	AM Peak	11.85	30.72	50/136	37/138	N/A	N/A	N/A	N/A	N/A
206	17.49	11.59	8.79	6.50	7.19	12.01	N/A	Blackhall Place to Ormond Quay	1001	445	Blanchardstown	AM Peak	10.82	63.22	49/136	90/138	97/130	114/132	97/106	72/97	N/A
161	17.55	17.66	7.28	18.50	10.66	9.68	N/A	Heuston Station to Ellis Quay	785	785	Lucan	AM Peak	7.12	39.25	48/136	45/138	112/130	36/132	77/106	69/97	N/A
260	17.56	16.91	N/A	N/A	N/A	N/A	8.68	Frascati Road to Boosterstown	1268	1066	Rock Road	AM Peak	10.10	28.71	47/136	52/138	N/A	N/A	N/A	N/A	N/A
160	17.82	10.68	12.78	16.83	21.12	N/A	N/A	Griffith Avenue to Botanic Avenue	792	754	Ballymun	AM Peak	9.05	48.34	46/136	99/138	69/130	45/132	N/A	N/A	N/A
417	18.11	17.94	16.07	20.03	18.73	17.05	13.20	Oakdown Road to Rathfarnham Road	2098	1900	Rathfarnham	AM Peak	13.63	23.83	45/136	41/138	50/130	30/132	35/106	34/97	34/74
237	18.41	20.58	23.21	18.76	27.18	22.49	12.47	Oldbridge Road to Fortfield Road	1212	245	Tallaght	AM Peak	10.75	34.35	44/136	29/138	21/130	33/132	10/106	16/97	38/74
551	18.55	15.80	N/A	N/A	N/A	N/A	N/A	Grangecastle to Ninth Lock Road	2818	2218	South Clondalkin	AM Peak	13.11	28.42	43/136	65/138	N/A	N/A	N/A	N/A	N/A
130	18.63	26.34	12.05	15.24	10.58	15.14	14.33	West of M50 to East of M50	673	0	Tallaght	AM Peak	8.84	29.91	42/136	13/138	74/130	53/132	78/106	48/97	30/74
332	18.64	13.72	11.25	18.87	20.03	21.05	18.31	B'town Rd South to Coolmine Road	1719	388	Blanchardstown	AM Peak	13.11	31.42	41/136	77/138	79/130	32/132	29/106	20/97	22/74
314	18.81	13.77	N/A	N/A	N/A	N/A	N/A	Naas Road to Drimmagh Road	1641	1376	South Clondalkin	AM Peak	14.88	24.51	40/136	76/138	N/A	N/A	N/A	N/A	N/A
184	19.23	15.87	17.70	31.20	10.05	16.69	22.40	River Road R't to New River Road	983	300	Blanchardstown	AM Peak	12.64	36.12	39/136	64/138	41/130	8/132	81/106	37/97	14/74
264	19.25	17.77	26.12	24.92	24.23	21.27	40.02	East of M50 to Oldbridge Road	1412	1162	Tallaght	AM Peak	14.36	32.58	38/136	44/138	10/130	17/132	14/106	19/97	5/74
323	19.62	17.50	18.26	22.00	N/A	N/A	N/A	Ashtown Roundabout to Nephin Road	1760	1483	Blanchardstown	AM Peak	11.73	34.43	37/136	47/138	39/130	26/132	N/A	N/A	N/A
252	19.80	27.42	25.99	7.31	N/A	N/A	N/A	Raheny to Sybil Hill Road	1386	964	Howth Road	AM Peak	10.92	30.43	36/136	11/138	11/130	108/132	N/A	N/A	N/A
615	19.86	20.88	20.12	17.11	20.25	19.33	13.15	Foxrock Church to Mount Merion Avenue	3393	3393	Stillorgan	AM Peak	13.08	31.72	35/136	28/138	33/130	43/132	28/106	23/97	35/74
419	20.14	19.40	15.86	27.13	N/A	N/A	N/A	Con Colbert Road to Ellis Quay	2344	2344	Lucan	AM Peak	10.67	28.31	34/136	34/138	51/130	13/132	N/A	N/A	N/A
689	20.30	17.36	20.22	15.04	11.90	17.31	19.96	Cloghran Rbt to Airport South via Airport	3886	1162	Swords	AM Peak	18.03	22.24	33/136	50/138	31/130	55/132	68/106	32/97	18/74
1037	20.48	15.01	13.49	N/A	16.68	N/A	N/A	Shelerin Rd to B'chardstown Rd St'h via TC	5899	0	Blanchardstown	AM Peak	16.68	24.66	32/136	68/138	63/130	N/A	N/A	N/A	N/A
162	20.51	22.00	21.03	N/A	21.39	N/A	N/A	Vernon Avenue to Castle Avenue	923	923	Clontarf	AM Peak	12.44	54.45	31/136	23/138	28/130	N/A	N/A	N/A	N/A
274	20.95	35.02	19.33	16.55	21.27	26.58	28.71	West of M50 to Palmerston	1595	390	Lucan	AM Peak	10.13	41.30	30/136	7/138	34/130	48/132	24/106	10/97	6/74
544	21.32	17.63	31.95	28.09	18.14	24.11	19.20	Finglas Road to Prospect Road	3222	2978	Finglas	AM Peak	12.61	34.02	29/136	46/138	6/130	12/132	38/106	12/97	20/74
247	21.66	16.46	17.15	16.61	22.47	N/A	N/A	Shankill to Loughlinstown Roundabout	1486	323	Bray	AM Peak	14.58	36.65	28/136	60/138	45/130	47/132	N/A	N/A	N/A

Table 11 Morning Peak Period League Table (continued)

Quality Bus Corridors - AM Peak Average Sectional Bus Speeds - League Table - November 2008																					
Ave Journey Time (S)	Ave Speed KM/H	2007	2006	2005	2004	2003	2002	Section	Section Length Metres	Bus Lane Metres	QBC	Time Period	Range		Position	2007	2006	2005	2004	2003	2002
													Low KM/H	High KM/H							
621	21.69	21.62	19.16	22.15	27.05	16.98	27.88	Airport South to Omni Park	3741	3063	Swords	AM Peak	14.88	36.01	27/136	26/138	35/130	25/132	11/106	35/97	7/74
717	21.83	21.41	25.65	23.43	N/A	N/A	N/A	Palmerston to Conyngham Road	4347	540	Lucan	AM Peak	13.27	36.91	26/136	27/138	14/130	21/132	N/A	N/A	N/A
98	21.86	24.91	9.15	8.92	10.10	7.82	8.08	Parkgate Street to Ellis Quay	595	595	Lucan	AM Peak	15.08	34.00	25/136	19/138	94/130	98/132	80/106	83/97	56/74
191	21.36	28.93	25.82	8.04	35.88	26.48	N/A	Casino Park to Fairview	1133	1054	Malahide	AM Peak	12.95	51.11	24/136	9/138	13/130	105/132	5/106	11/97	N/A
533	22.07	18.97	20.14	23.01	21.45	21.34	12.71	Mount Merrion Avenue to Donnybrook	3267	2908	Stillorgan	AM Peak	14.34	37.46	23/136	35/138	32/130	23/132	23/106	18/97	36/74
478	22.08	20.14	N/A	N/A	N/A	N/A	N/A	Ninth Lock Road to Naas Road	2932	2155	South Clondalkin	AM Peak	15.21	30.42	22/136	30/138	N/A	N/A	N/A	N/A	N/A
95	22.55	38.93	8.78	10.25	19.85	8.37	40.43	Fortfield Road to Rathdown Park	595	519	Tallaght	AM Peak	6.93	57.86	21/136	4/138	98/130	84/132	30/106	80/97	4/74
292	22.81	17.39	22.57	11.35	24.95	23.78	25.13	Main Street Tallaght to West of M50	1850	1106	Tallaght	AM Peak	14.38	33.98	20/136	49/138	24/130	78/132	13/106	13/97	10/74
104	22.82	7.70	23.96	4.54	8.72	9.53	N/A	North Circular Road to Manor Street	659	120	Blanchardstown	AM Peak	15.31	36.51	19/136	120/138	19/130	124/132	88/106	71/97	N/A
244	23.00	21.75	29.69	33.02	30.93	22.72	N/A	Con Colbert Road to Heuston Station	1559	1559	Lucan	AM Peak	15.42	36.21	18/136	25/138	7/130	7/132	8/106	14/97	N/A
566	23.13	24.33	18.89	21.25	22.49	34.45	17.24	Swords County Council to Cloghran R't	3636	2016	Swords	AM Peak	18.10	30.37	17/136	21/138	36/130	27/132	20/106	6/97	26/74
398	24.58	21.88	22.34	N/A	11.03	N/A	N/A	Ongar to Hansfield Road	2717	1448	Blanchardstown	AM Peak	14.32	36.91	16/136	24/138	25/130	N/A	73/106	N/A	N/A
129	24.70	24.50	24.14	23.78	17.60	N/A	N/A	Shanganagh Cemetery to Shankill	885	0	Bray	AM Peak	14.96	45.50	15/136	20/138	18/130	19/132	N/A	N/A	N/A
386	24.74	37.90	35.63	23.64	32.05	N/A	N/A	Loughlinstown R't to Cabinteely South	2653	2137	Bray	AM Peak	16.96	35.24	14/136	6/138	4/130	20/132	N/A	N/A	N/A
142	25.15	23.81	25.88	22.98	36.45	35.70	51.00	Priorswood Rd to Greencastle Rd - Direct	992	671	Malahide	AM Peak	11.52	55.78	13/136	22/138	12/130	24/132	4/106	5/97	1/74
269	27.30	26.04	18.78	24.16	27.56	39.91	N/A	Swords Main St to Airside Business Park	2040	851	Swords	AM Peak	20.69	38.65	12/136	16/138	37/130	18/132	9/106	3/97	N/A
107	27.32	26.33	22.14	N/A	22.48	N/A	N/A	Castle Avenue to Alfie Byrne Road	812	812	Clontarf	AM Peak	13.17	46.40	11/136	14/138	27/130	N/A	N/A	N/A	N/A
82	27.87	26.59	28.22	12.36	N/A	N/A	N/A	Nephin Road to Ratoath Road	635	562	Blanchardstown	AM Peak	13.85	73.69	10/136	12/138	8/130	70/132	N/A	N/A	N/A
177	28.23	19.67	33.54	12.46	9.00	15.37	23.79	Cloghran Rbt to Airport South Direct	1388	468	Swords	AM Peak	20.15	39.98	9/136	33/138	5/130	68/132	87/106	45/97	13/74
38	28.25	24.94	24.39	4.22	16.77	N/A	N/A	Nutgrove Avenue to Oakdown Road	298	0	Rathfarnham	AM Peak	12.77	63.18	8/136	18/138	17/130	127/132	44/106	N/A	N/A
56	29.13	20.13	20.91	15.23	20.74	N/A	N/A	Clontarf Garage to Vernon Avenue	453	453	Clontarf	AM Peak	18.97	65.18	7/136	31/138	29/130	54/132	N/A	N/A	N/A
243	30.01	18.80	23.83	36.65	34.24	30.01	25.86	Foxhunter to West of M50	2026	2026	Lucan	AM Peak	16.50	66.32	6/136	36/138	20/130	2/132	6/106	7/97	9/74
149	31.75	43.39	22.96	27.03	23.10	43.39	N/A	Airside Business Park to Cloghran R't	1314	1165	Swords	AM Peak	21.31	46.84	5/136	3/138	22/130	14/132	17/106	2/97	N/A
197	38.69	25.32	26.37	34.96	23.67	N/A	N/A	Cabinteely South to Foxrock Church	2117	2017	Bray	AM Peak	16.04	84.68	4/136	17/138	9/130	6/132	N/A	N/A	N/A
177	39.82	37.90	41.22	30.65	47.95	36.91	44.62	New River Road to Ashtown Roundabout	1958	1958	Blanchardstown	AM Peak	25.17	64.09	3/136	5/138	3/130	9/132	2/106	4/97	2/74
102	43.69	48.45	48.96	55.02	38.09	N/A	N/A	Wilford Roundabout to Shanganagh Cemetery	1238	259	Bray	AM Peak	33.01	64.59	2/136	2/138	2/130	1/132	N/A	N/A	N/A
277	50.27	51.77	50.64	34.99	N/A	N/A	N/A	Palmerston to Con Colbert Road	3868	3868	Lucan	AM Peak	39.33	66.94	1/136	1/138	1/130	5/132	N/A	N/A	N/A
N/A	N/A	16.05	N/A	N/A	N/A	N/A	N/A	Liffey Valley Centre to Coldcut Road	6327	1808	North Clondalkin	AM Peak	N/A	N/A	N/A	62/138	N/A	N/A	N/A	N/A	N/A

14 Graphs

Data from the roadside surveys can be used effectively to produce graphs for all sections of each QBC.

The benefit in producing graphs is that the variations in individual bus operating speeds can be shown pictorially.

The results may help to pinpoint problems in particular sections at specific times.

Tables 12a to 12x are examples from each QBC of how the information can be displayed. A selection of results is shown from both the AM peak period covering inbound services from 0700 to 1000 and also PM peak outbound services from 1600 to 1900.

Each graph shows the speed of every individual bus over the section, the average bus journey speed on the section for the survey period, the minimum target bus speed as set out in the QBC Specification and, where available, the average car journey speed on the same section.

The x axis plots the individual bus times at the start of the section.
The y axis plots bus speed expressed in kilometres per hour.

Blanchardstown QBC

Tables 12a, 12b and 12c are examples of the results from **Blanchardstown QBC**.

Table 12a shows the section from **Main Street Blanchardstown** to the **N3 east of Scott's roundabout**, a distance of 1098 metres with 460 metres of bus priority.

- All buses between 0718 and 0921 operate at less than 10 kilometres per hour
- The slowest bus operated at 4.87 kilometres per hour at 0827. This slowest bus took 13 minutes 31 seconds to travel along this section
- The slowest car took 16 minutes 14 seconds to travel along this section at 0817

Table 12b shows the section from **Ratoath Road** to **North Circular Road**, a distance of 841 metres with no priority for buses.

- In the period from 0713 to 0901 all buses operated at speeds of less than 14.5 kilometres per hour
- The slowest bus operated at 7.68 kilometres per hour at 0801
- This slowest bus took 6 minutes 34 seconds to travel this short section
- The slowest car took 5 minutes 2 seconds to travel along this section at 0824

Table 12c shows the PM peak outbound section from the terminus in **Hawkins Street** to **Merchants Quay**. Buses operate via College Green, Dame Street, Lord Edward Street and Winetavern Street to join the South Quays at Merchants Quay. The total distance is 1416 metres and there are no priority measures for buses. The graph shows the following:

- All buses except one operated at speeds of less than 9 kilometres per hour
- The fastest bus operated at 12.05 kilometres per hour at 1848
- The fastest journey time on this section was 7 minutes 3 seconds
- The slowest bus operated at 3.91 kilometres per hour at 1745
- This slowest bus took 21 minutes 43 seconds to travel this short section
- The range of bus speeds is low with all buses throughout the period experiencing congestion

Table 12a Blanchardstown QBC

**Bus Speeds AM Peak Main Street to River Road
1098 Metres 460 Metres of Bus Lane**

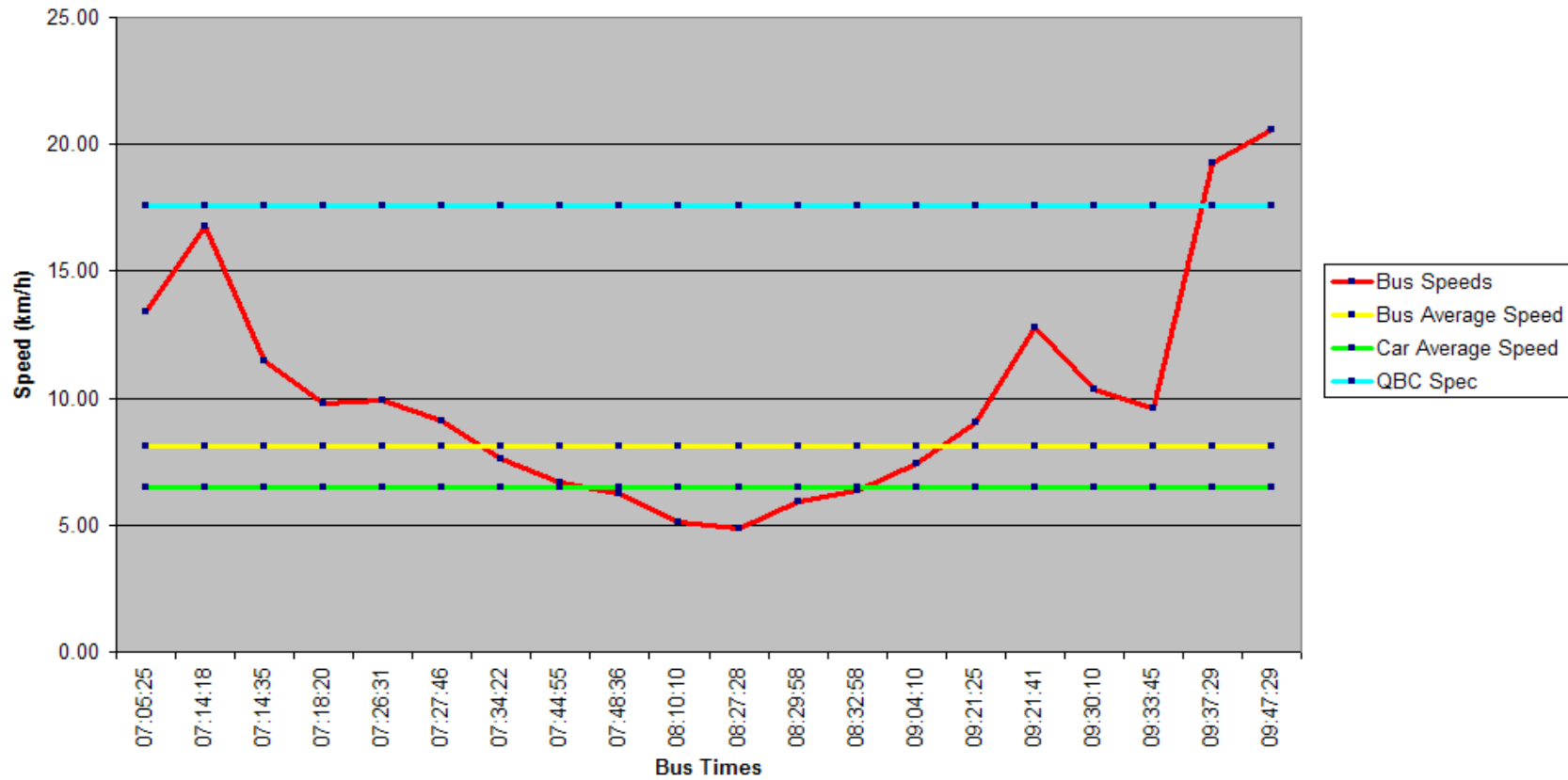


Table 12b Blanchardstown QBC

**Bus Speeds AM Peak Ratoath Road to North Circular Road
841 Metres 0 Metres of Bus Lane**

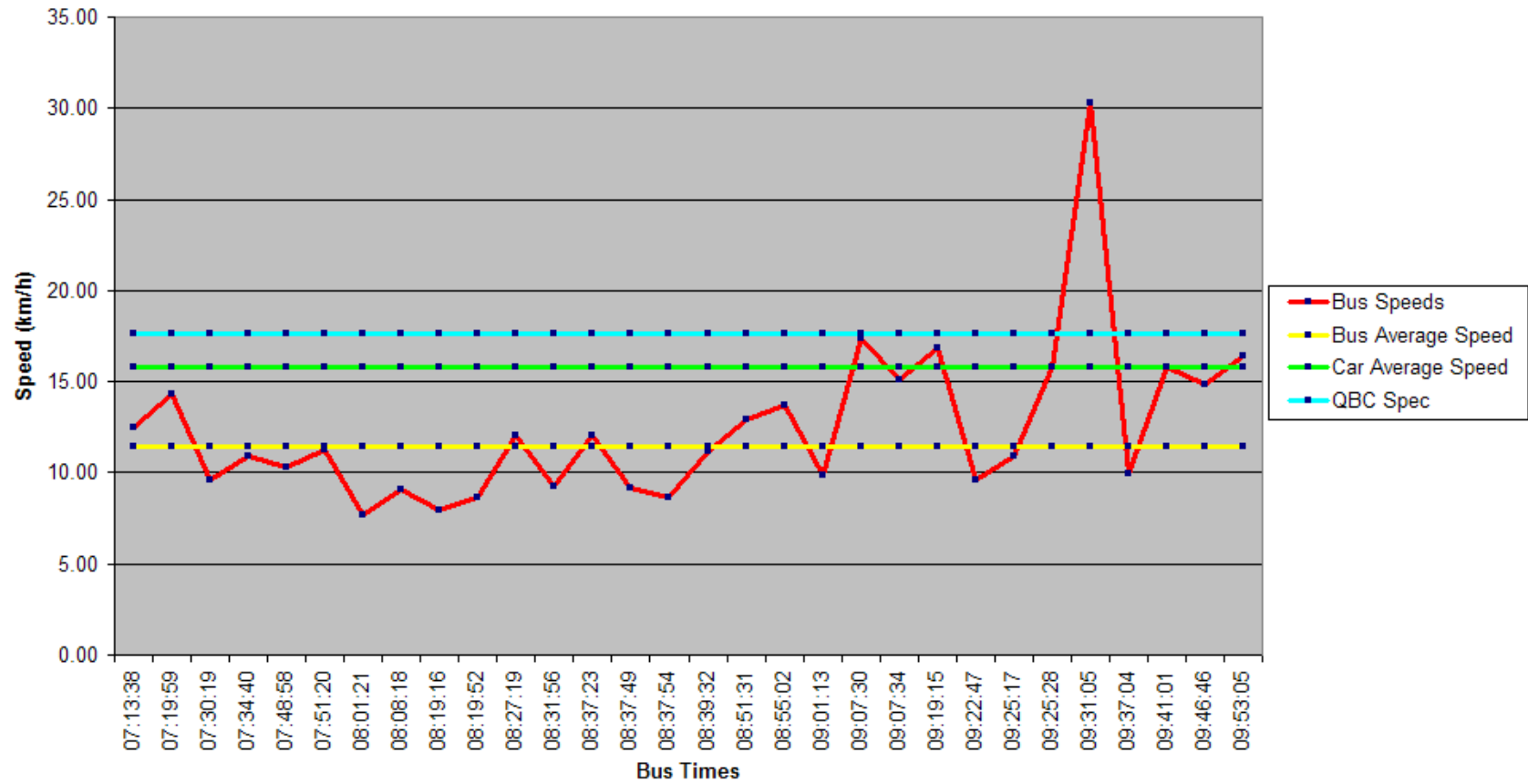
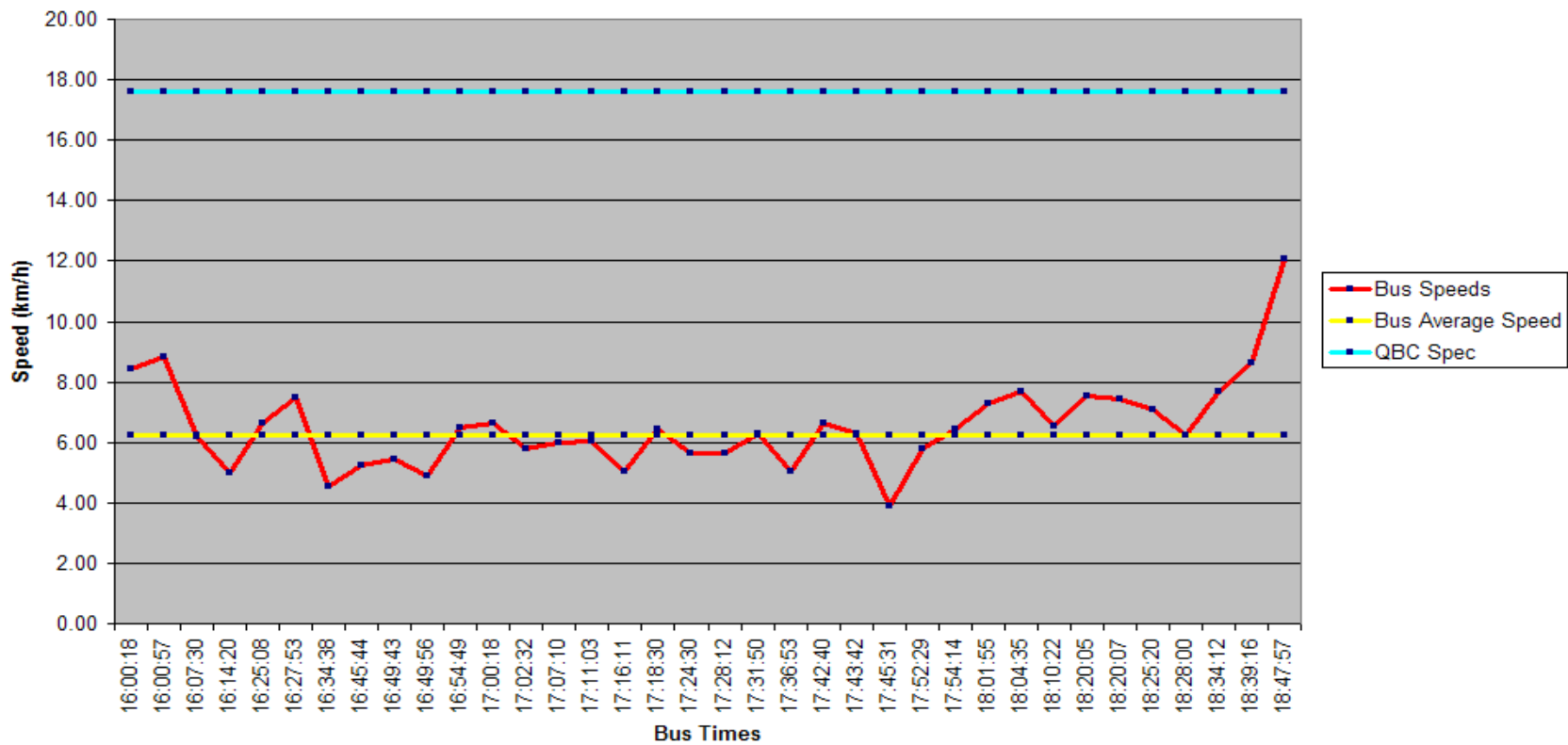


Table 12c Blanchardstown QBC

**Bus Speeds PM Peak Hawkins Street to Merchants Quay
1416 Metres 0 Metres of Bus Lane**



Finglas QBC

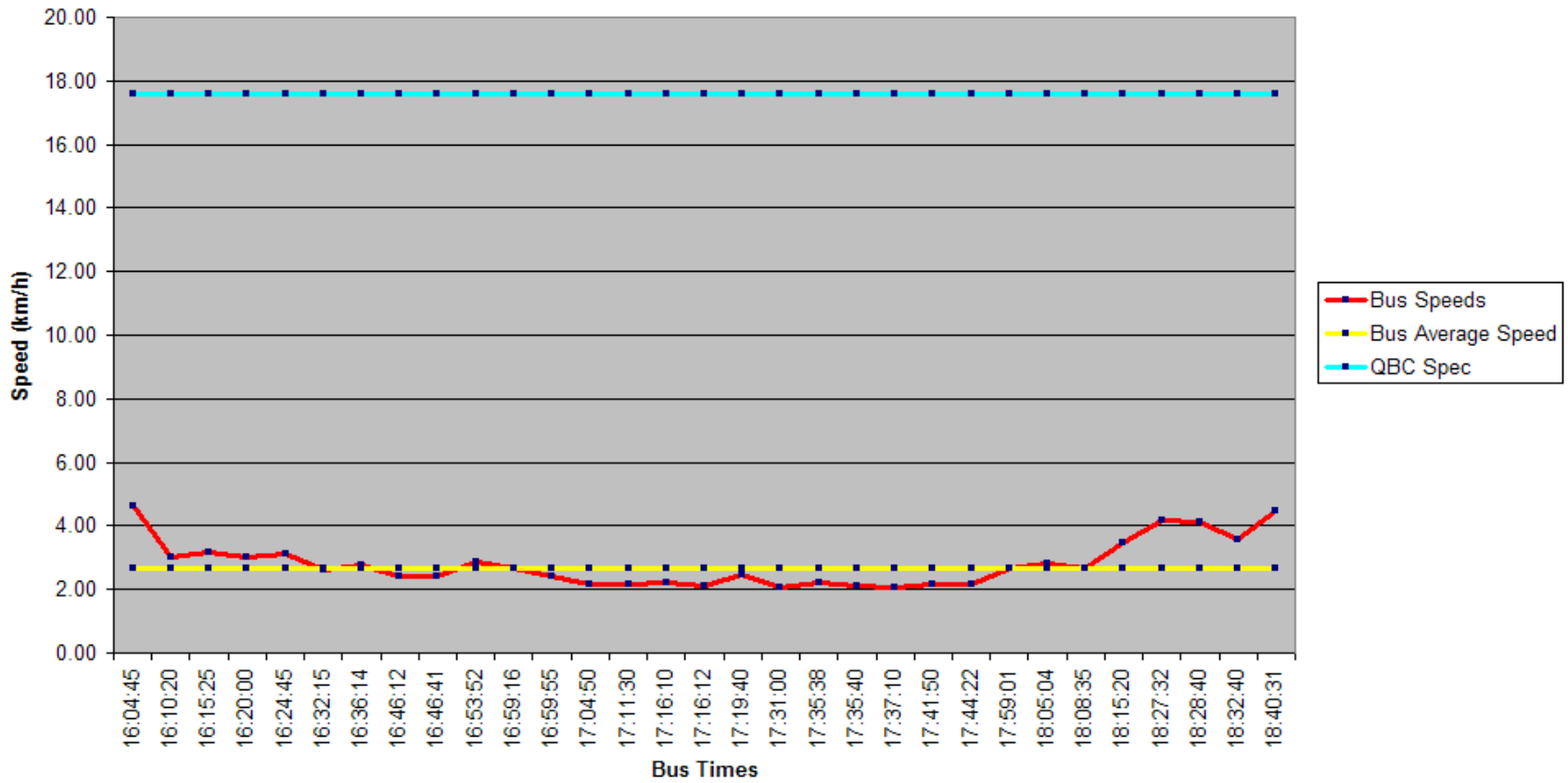
Table 12d shows the PM outbound section from the terminus in **Parnell Street** to **Dorset Street Lower** just prior to the junction with Whitworth Road. This section measures 1218 metres with 396 metres of bus priority.

The graph shows the following:

- All buses operate at speeds of less than 5 kilometres per hour
- The slowest bus operated at 2.04 kilometres per hour at 1731
- This slowest bus took 35 minutes 45 seconds to travel this section
- The of bus speeds is low with all buses throughout the period experiencing congestion

Table 12d Finglas QBC

**Bus Speeds PM Peak Parnell Street to Dorset Street Lower
1218 Metres 396 Metres of Bus Lane**



Lucan QBC

Tables 12e, 12f and 12g are examples of the results from Lucan QBC. All 3 examples show the effect of the enhanced bus priority measures introduced on the North Quays in summer 2007.

Table 12e shows the section from **Heuston Station** to **Ellis Quay**, a distance of 785 metres with continuous bus priority.

The graph shows the following:

- Bus average speed of 17.54 kilometres per hour meets the QBC specification
- In 2006, prior to the enhancements, bus average speed was 7.29 kilometres per hour
- Bus average journey time was 2 minutes 41 seconds
- In 2006 prior to the enhancements, bus average journey time was 6 minutes 28 seconds
- Car average journey time on this section was 3 minutes 3 seconds
- Bus average journey time, with the exception of one bus, ranged from 1 minute 12 seconds to 3 minutes 30 seconds
- Car average journey time ranged from 1 minute 17 seconds to 5 minutes 50 seconds

Table 12f shows the section from **Parkgate Street** to **Ellis Quay**, a distance of 595 metres with continuous bus priority.

The graph shows the following:

- Bus average speed of 21.86 kilometres per hour comfortably exceeds the QBC specification
- In 2006, prior to the enhancements, bus average speed was 9.16 kilometres per hour
- Bus average journey time was 1 minute 38 seconds
- In 2006 prior to the enhancements, bus average journey time was 3 minutes 54 seconds
- Car average journey time on this section was 2 minutes 33 seconds
- Bus average journey time ranged from 1 minute 3 seconds to 2 minutes 22 seconds
- Car average journey time ranged from 1 minute 21 seconds to 4 minutes 51 seconds

Table 12g shows the section from **Ellis Quay** to **Arran Quay**, a distance of 497 metres with continuous bus priority.

The graph shows the following:

- Bus average speed of 16.65 kilometres per hour is just below the QBC specification
- In 2006, prior to the enhancements, bus average speed was 12.09 kilometres per hour
- Bus average journey time was 1 minute 47 seconds

Lucan QBC (continued)

- In 2006 prior to the enhancements, bus average journey time was 2 minutes 28 seconds
- Car average journey time on this section was 2 minutes 36 seconds
- Bus average journey time ranged from 47 seconds to 3 minutes 18 seconds
- Car average journey time ranged from 58 seconds to 3 minutes 38 seconds

The measures introduced have had the combined effect of not only reducing bus journey times but also of reducing the variability of bus journey times and therefore improving reliability.

Table 12e Lucan QBC

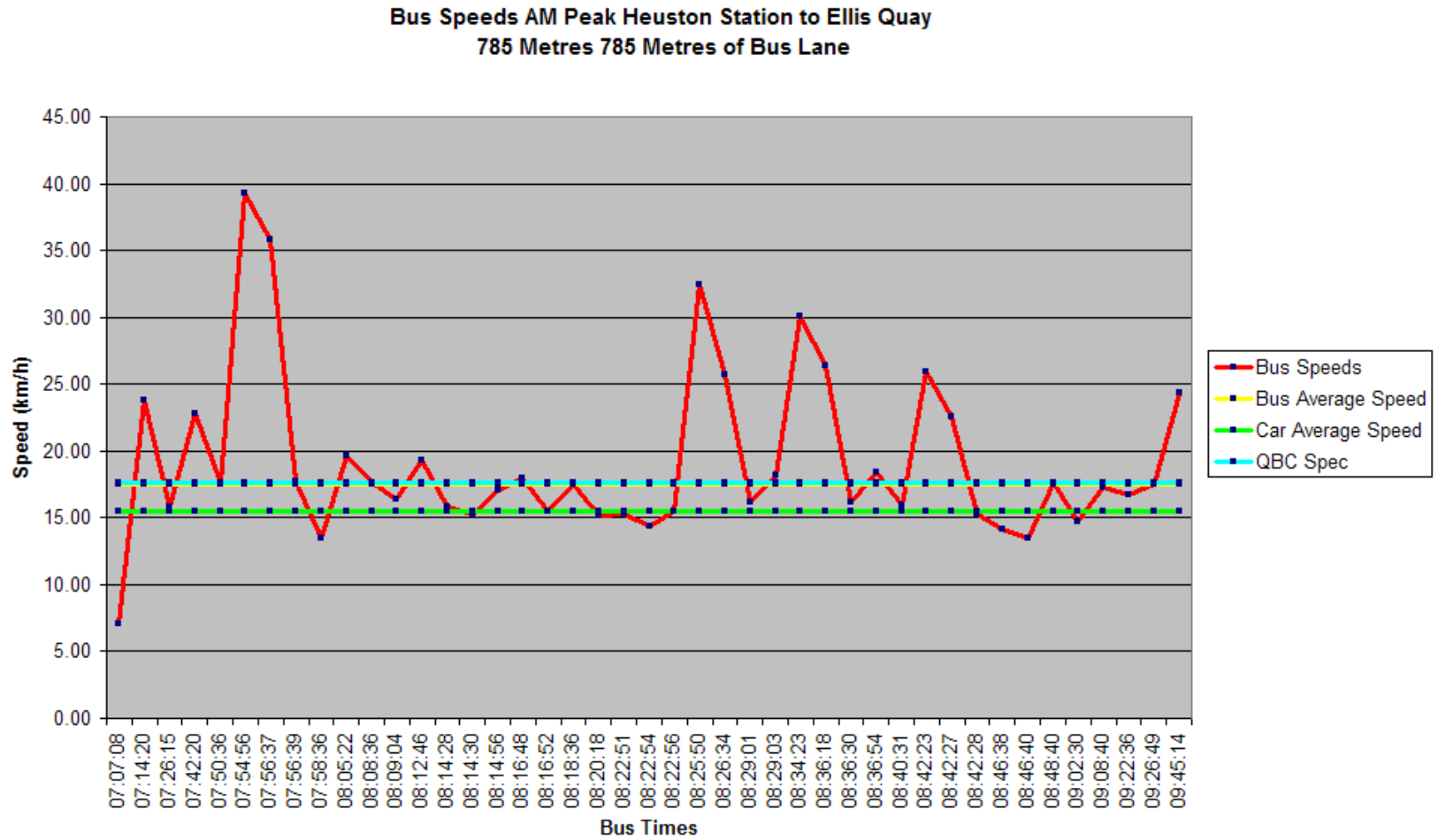


Table 12f Lucan QBC

**Bus Speeds AM Peak Parkgate Street to Ellis Quay
595 Metres 595 Metres of Bus Lane**

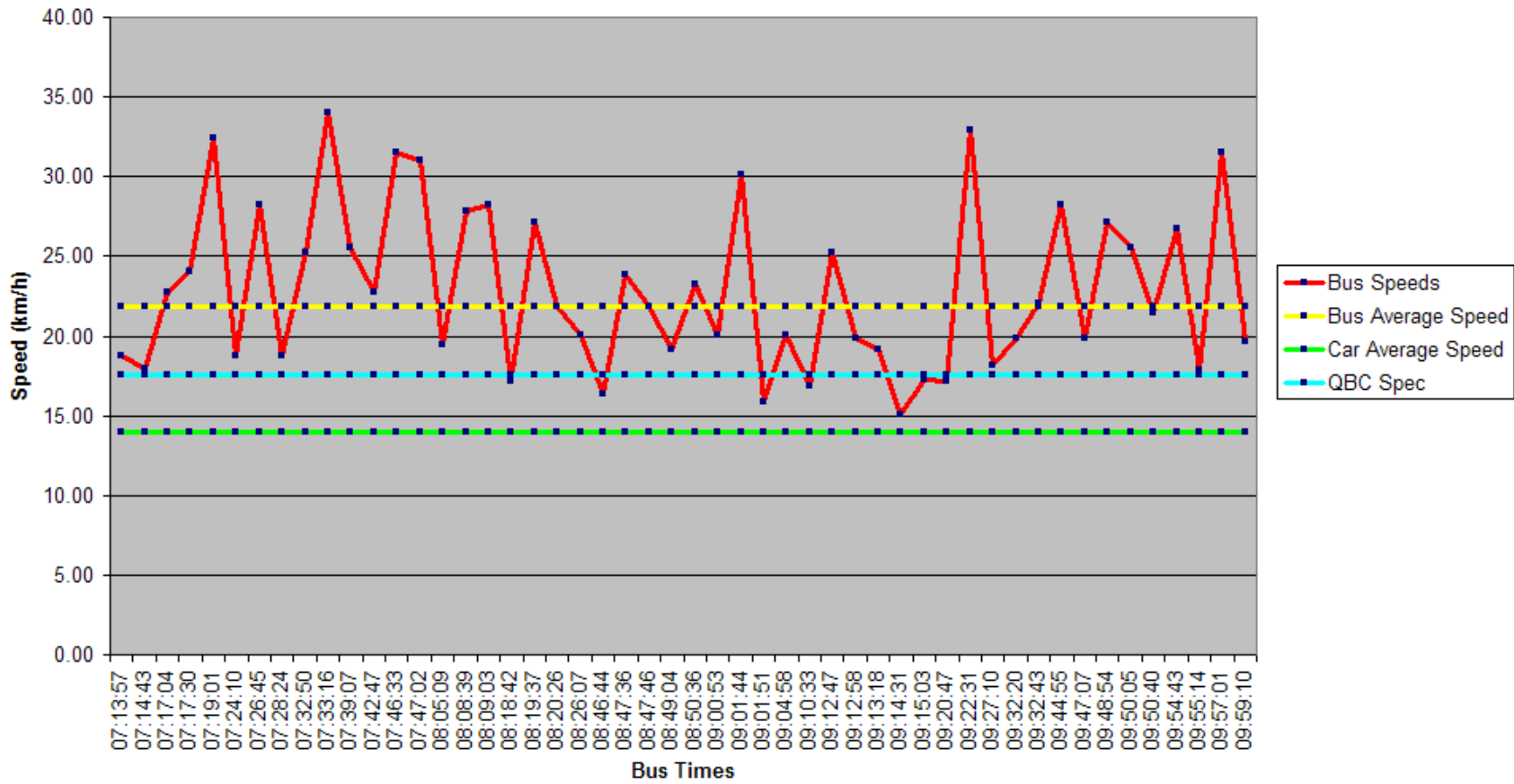
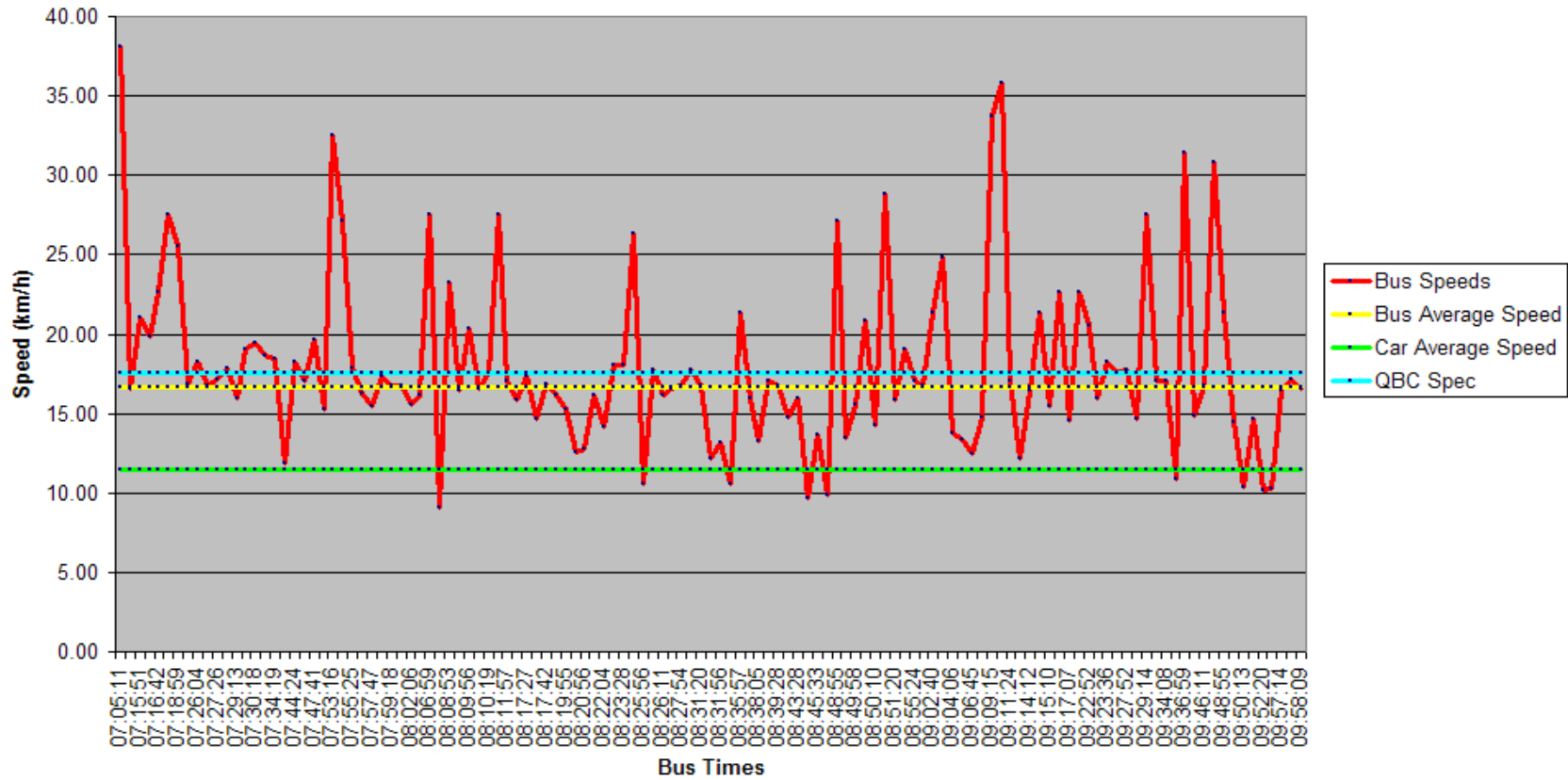


Table 12g Lucan QBC

**Bus Speeds AM Peak Ellis Quay to Arran Quay
497 Metres 497 Metres of Bus Lane**



Malahide QBC

Tables 12h, 12i and 12j are examples of the results from Malahide QBC. **Tables 12h and 12i** show the effect of the banning of the right turn movement from Malahide Road to Kilmore Road and associated junction improvement works.

Table 12h shows the section **North of Kilmore Road to St Davids Wood** measuring 150 metres with no bus priority. This section includes the junction of Malahide Road with Kilmore Road.

The graph shows the following:

- Bus average speed was 6.11 kilometres per hour
- In 2006, prior to the enhancements, bus average speed was 3.99 kilometres per hour
- Bus average journey time was 1 minute 28 seconds
- In 2006, prior to the enhancements, bus average journey time was 2 minutes 15 seconds
- Bus average journey time ranged from 28 seconds to 3 minutes 51 seconds
- In 2006, prior to the enhancements, bus average journey time ranged from 18 seconds to 8 minutes 40 seconds

Table 12i shows the section from, **St Davids Wood to Collins Avenue**, a distance of 671 metres with bus priority of 601 metres.

The graph shows the following:

- Bus average speed was 9.18 kilometres per hour
- In 2006, prior to the enhancements, bus average speed was 6.52 kilometres per hour
- Bus average journey time was 4 minutes 23 seconds
- In 2006, prior to the enhancements, bus average journey time was 6 minutes 10 seconds
- Bus average journey time ranged from 51 seconds to 15 minutes 58 seconds
- In 2006, prior to the enhancements, bus average journey time ranged from 1 minute 34 seconds to 17 minutes 27 seconds
- All buses encountered severe congestion between 0819 and 0845

Table 12j shows the section between the **Talbot Street terminus and Amiens Street**, a distance of 724 metres of which 124 metres has bus priority.

The graph shows the following:

- Bus average speed was 3.57 kilometres per hour
- All buses except one operated at less than 3.60 kilometres per hour between 1657 and 1804
- The slowest bus operated at 2.04 kilometres per hour at 1804
- This slowest bus took 21 minutes 20 seconds from the terminus to joining the QBC on Amiens Street

Table 12h Malahide QBC

**Bus Speeds AM Peak North of Kilmore Road to St Davids Wood
150 Metres 0 Metres of Bus Lane**

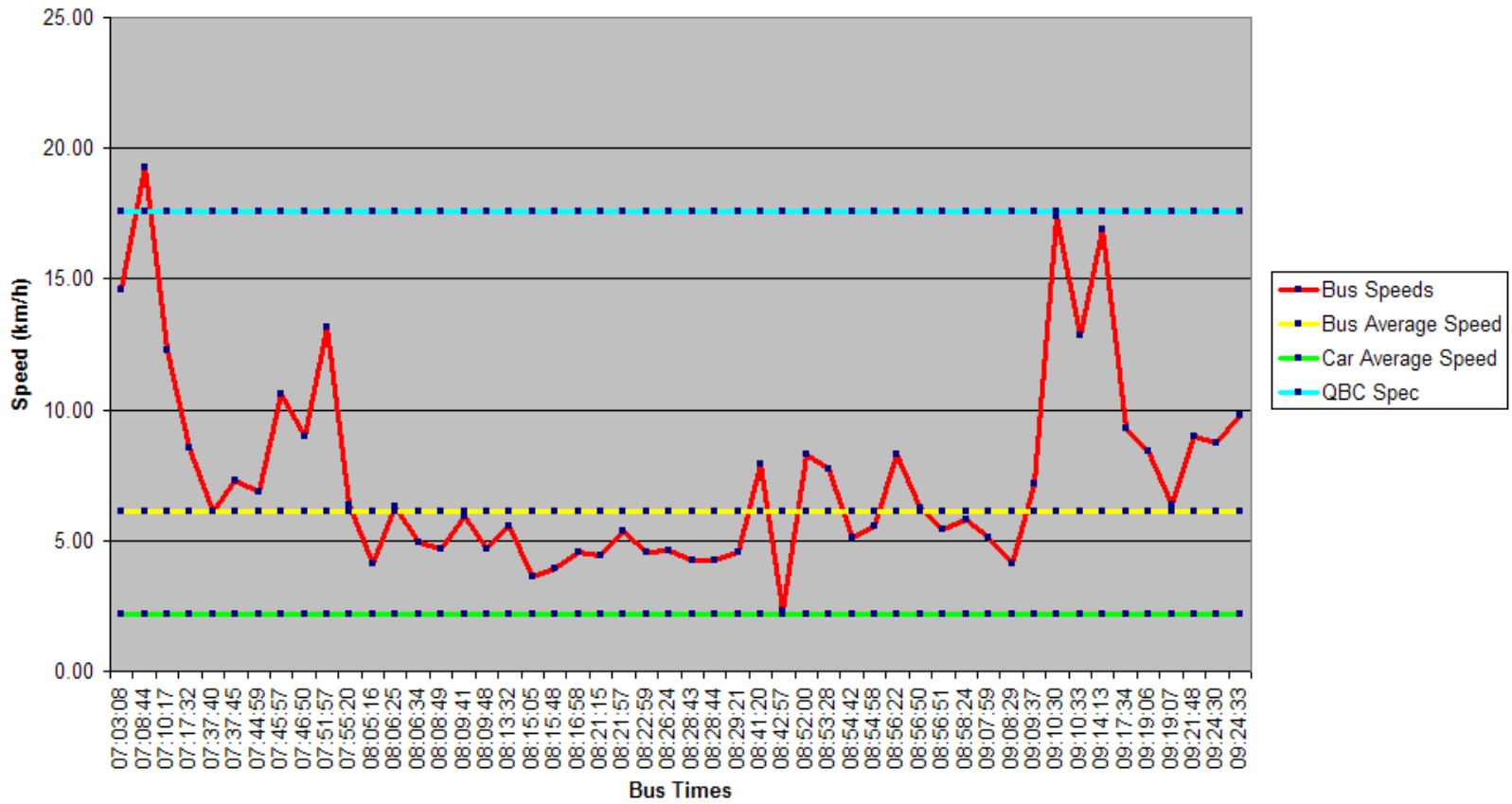


Table 12i Malahide QBC

**Bus Speeds AM Peak St Davids Wood to Collins Avenue
671 Metres 601 Metres of Bus Lane**

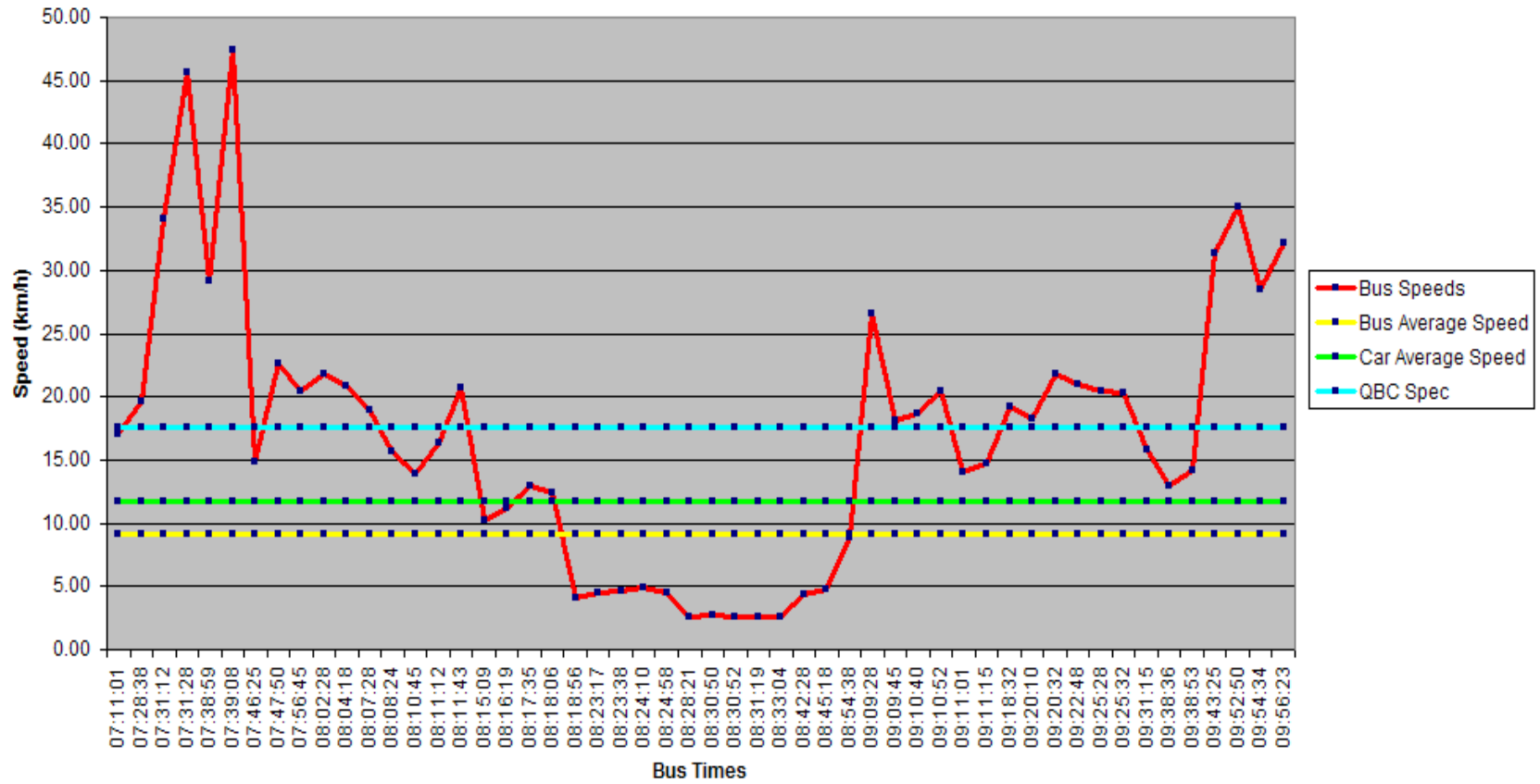
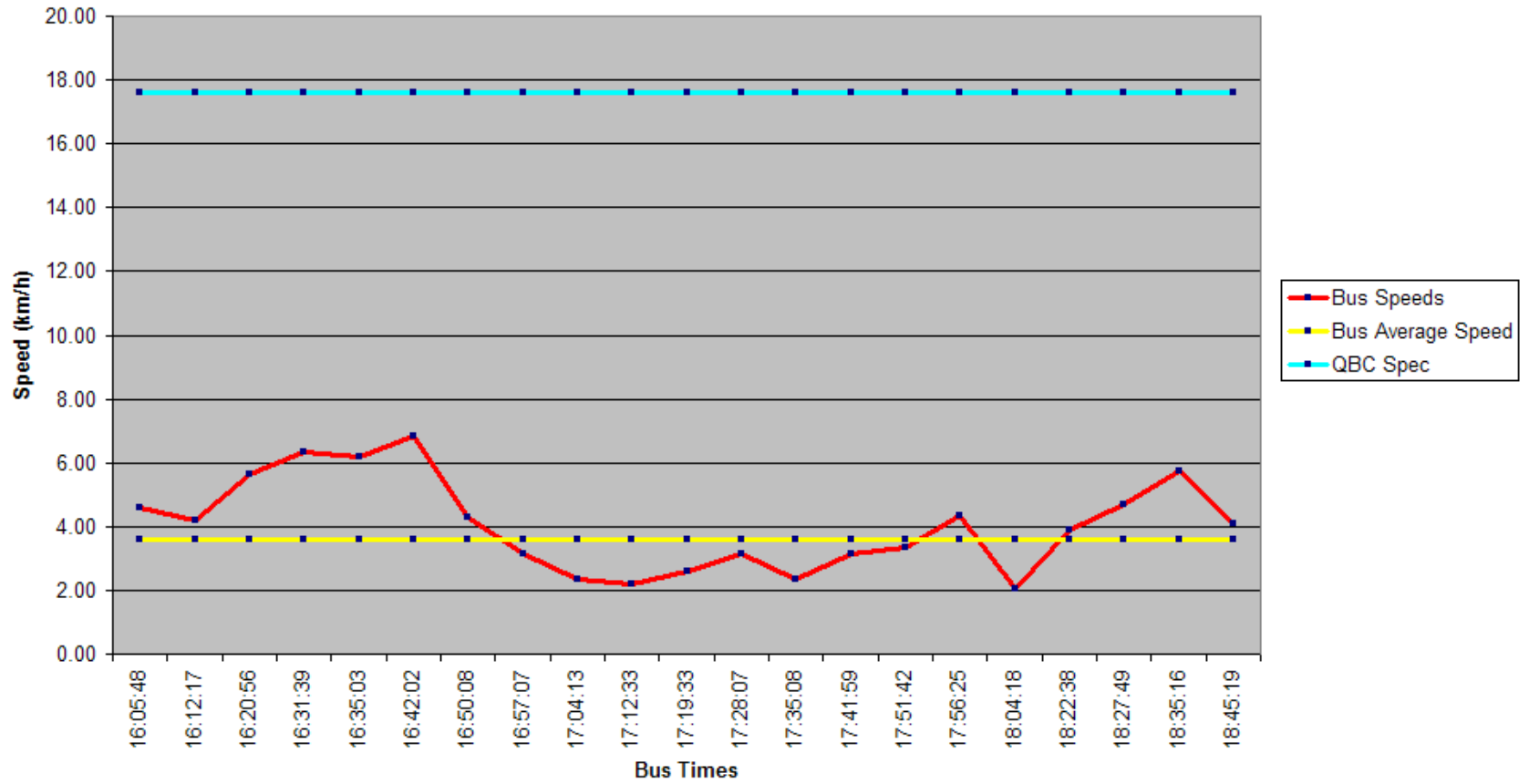


Table 12j Malahide QBC

**Bus Speeds PM Peak Talbot Street to Amiens Street
724 Metres 124 Metres of Bus Lane**



North Clondalkin QBC

Tables 12k and 12l are examples from North Clondalkin QBC.

Table 12k shows the section from **Aston Quay** to **Bridge Street**, a distance of 1086 metres with 651 metres of bus priority.

The graph shows the following:

- All buses between 1616 and 1740 operate at speeds significantly less than the QBC Specification
- Bus average speed was 14.17 kilometres per hour
- The slowest bus operated at 8.55 kilometres per hour at 1616
- This slowest bus took 7 minutes 37 seconds to travel on this section

Table 12l shows the section from **Kylemore Road** to **Coldcut Road** measuring 2154 metres with 258 metres of bus priority.

The graph shows the following:

- All buses between 1652 and 1806 operate at speeds of less than 9.5 kilometres per hour
- The slowest bus operated at 4.97 kilometres per hour at 1732
- This slowest bus took 26 minutes 1 second to travel on this section

Table 12k North Clondalkin QBC

**Bus Speeds PM Peak Aston Quay to Bridge Street
1086 Metres 651 Metres of Bus Lane**

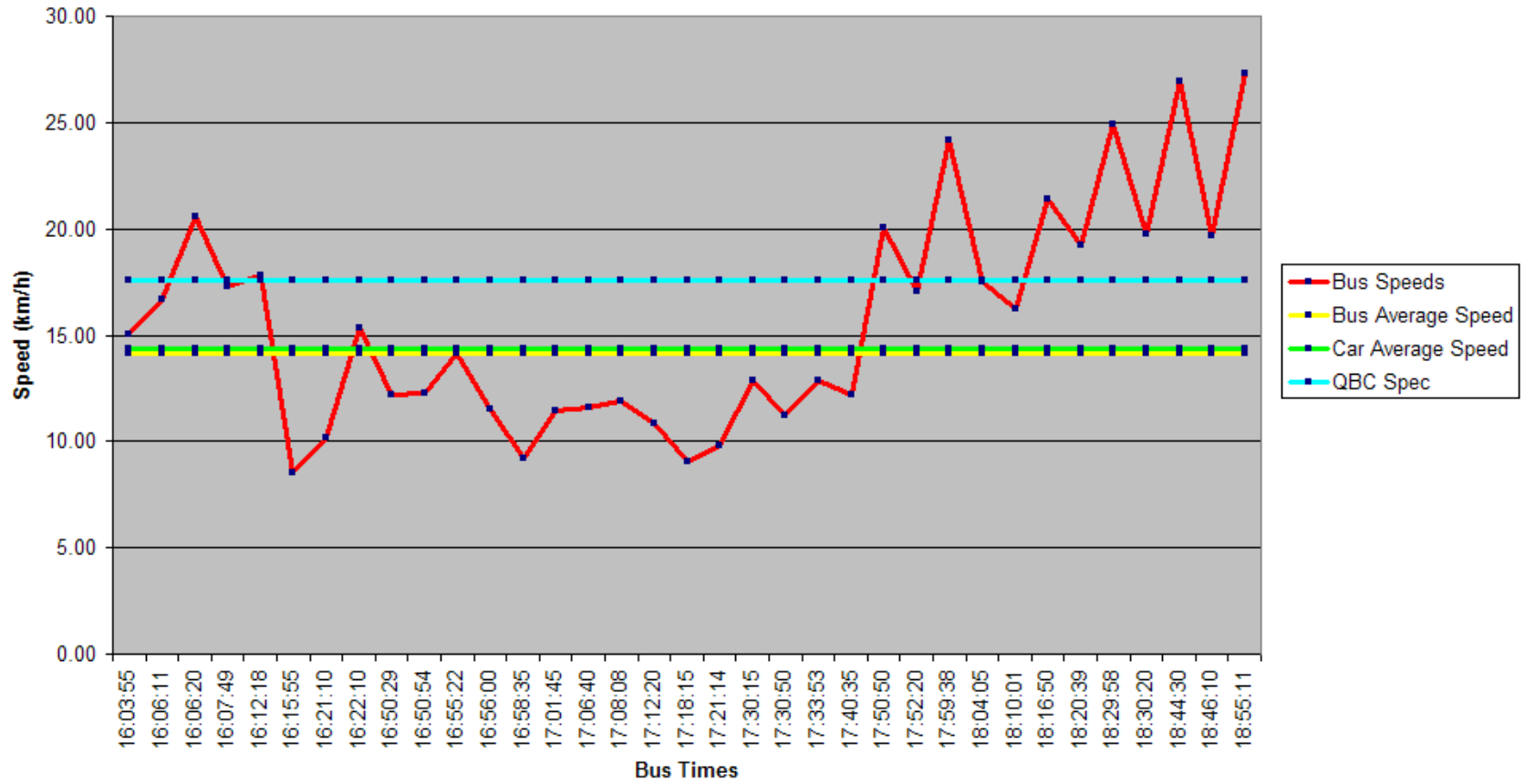
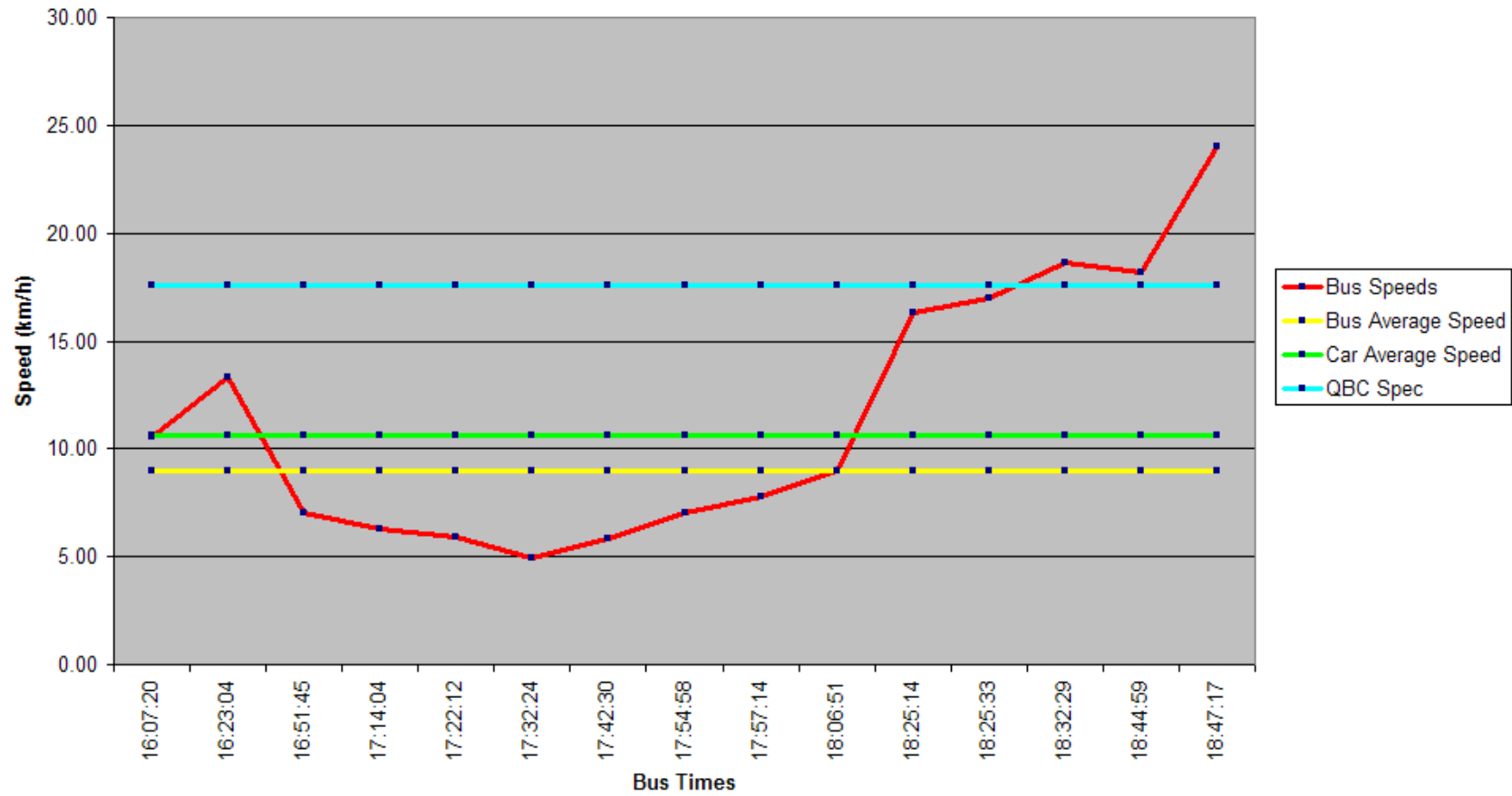


Table 12l North Clondalkin QBC

**Bus Speeds PM Peak Kylemore Road to Coldcut Road
2154 Metres 258 Metres of Bus Lane**



Rathfarnham QBC

Tables 12m and 12n are examples from Rathfarnham QBC.

Table 12m shows the results for the corridor from **Camden Street** to **Bishop Street**, a distance of 142 metres with no bus priority. This section crosses the junction of Kevin Street Lower and Cuffe Street, which has traffic signal priority. No buses operate on this west-east alignment.

The graph shows the following:

- All buses except three between 0722 and 0955 operated at speeds of less than 6 kilometres per hour
- The slowest bus operated at 2.45 kilometres per hour at 0828
- This slowest bus took 3 minutes 29 seconds to travel on this very short section

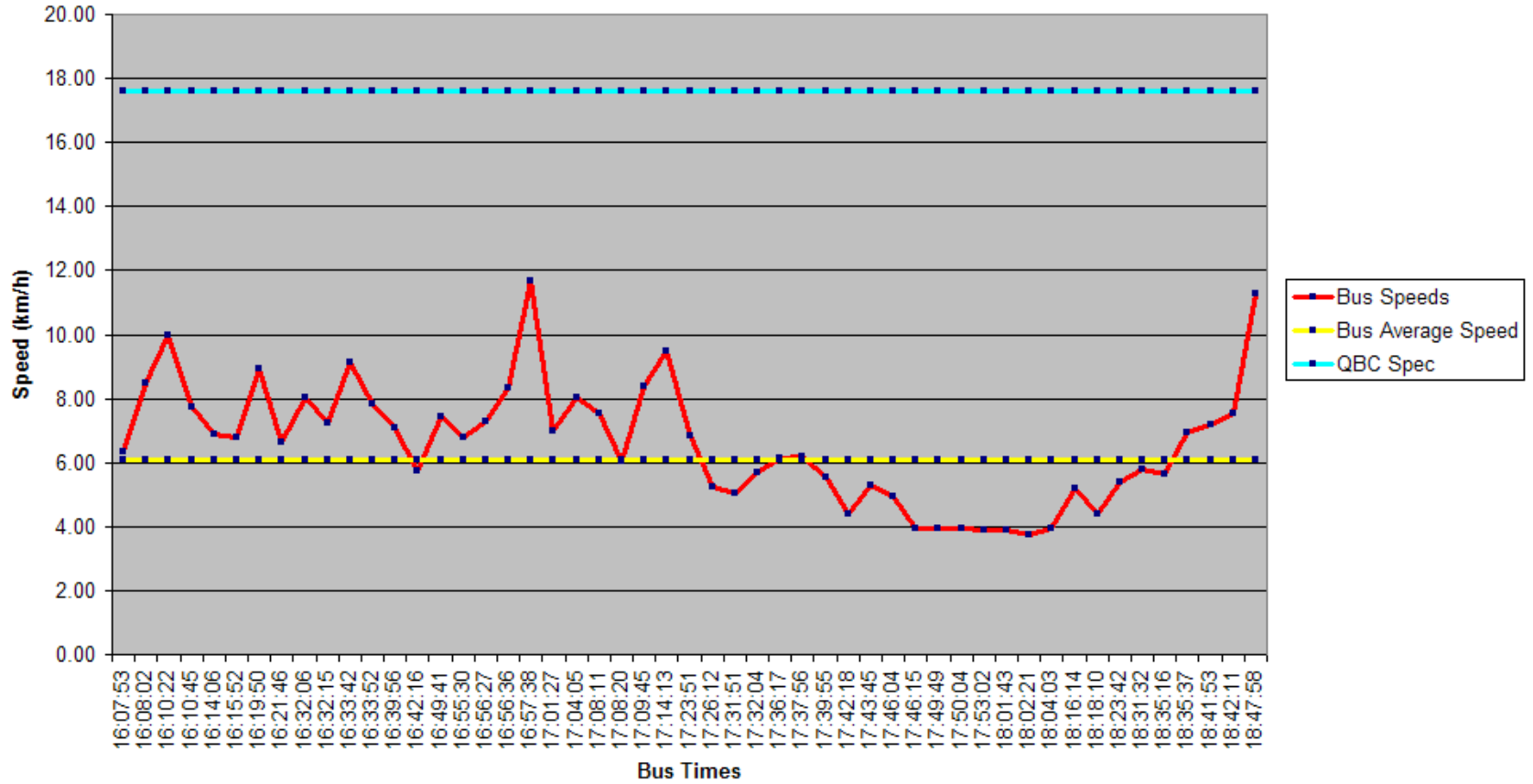
Table 12n shows the results for the cross-city section in the PM peak period from **Parnell Square East** to **College Green**. This section measures 1188 metres with 591 metres of bus priority.

The graph shows the following:

- Bus average speed was 6.08 kilometres per hour
- The slowest bus operated at 3.75 kilometres per hour at 1802
- This slowest bus took 18 minutes 59 seconds to travel on this section

Table 12n Rathfarnham QBC

**Bus Speeds PM Peak Parnell Square East to College Green
1188 Metres 591 Metres of Bus Lane**



Stillorgan QBC

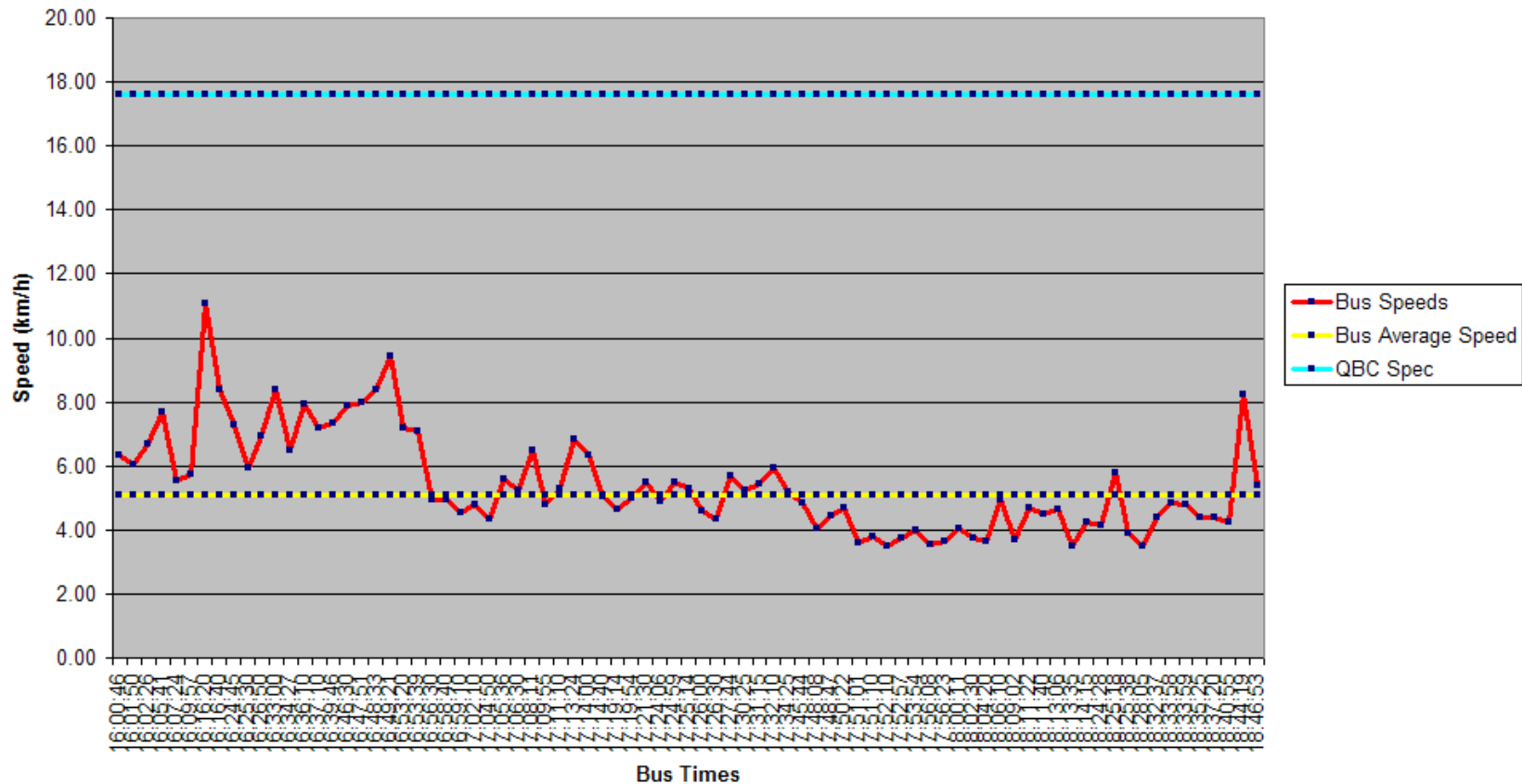
Table 12o shows the PM peak outbound section from **Parnell Square East** to **D'Olier Street**, a distance of 838 metres with bus priority of 591 metres.

The graph shows the following:

- Bus average speed was 5.09 kilometres per hour
- The slowest bus operated at 3.48 kilometres per hour at 1813
- This slowest bus took 14 minutes 28 seconds to travel on this section
- All except 2 buses operated at speeds of less than 5 kilometres per hour between 1745 and 1840

Table 12o Stillorgan QBC

**Bus Speeds PM Peak Parnell Square East to D'Olier Street
838 Metres 591 Metres of Bus Lane**



Swords QBC

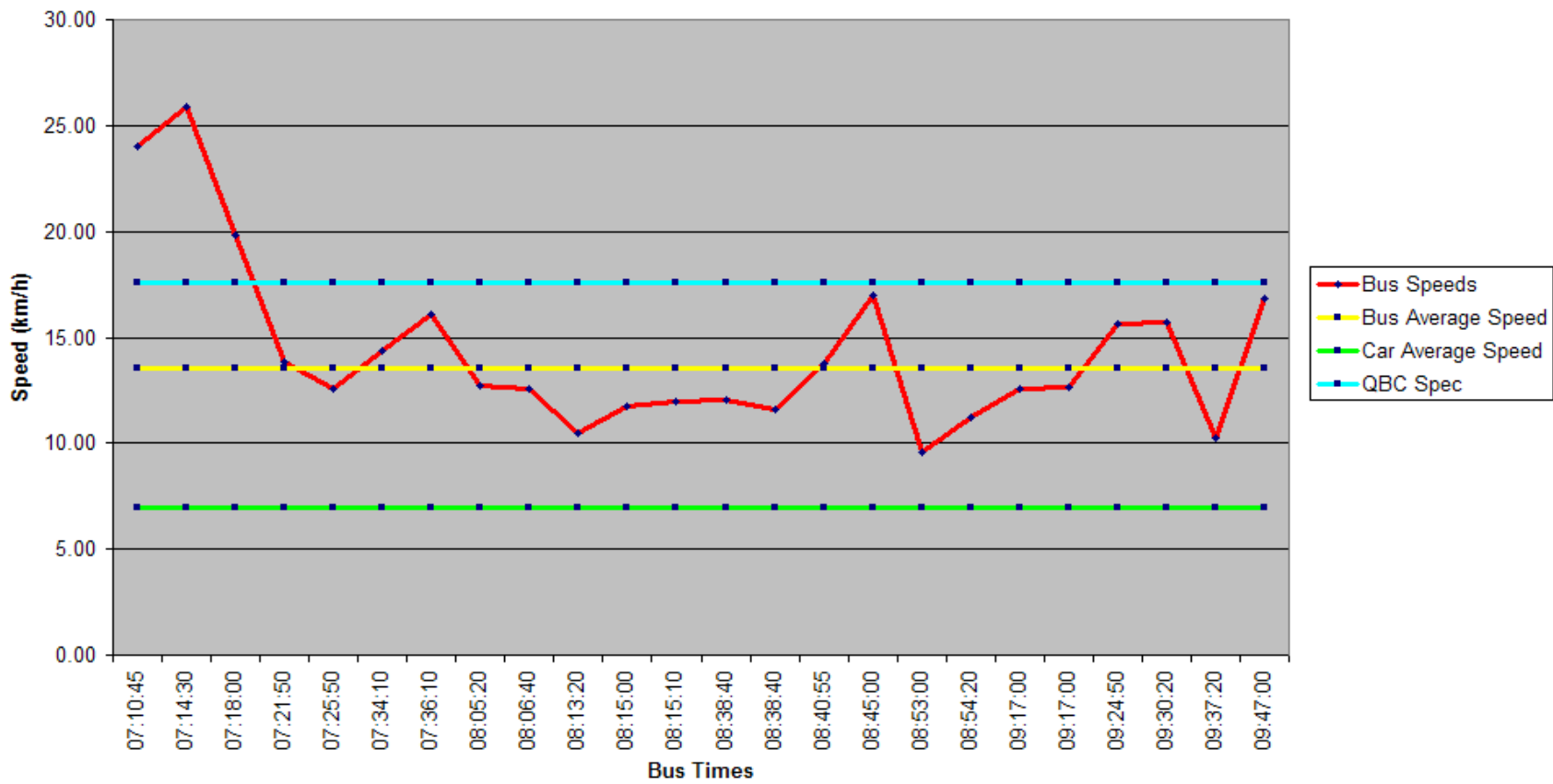
Table 12p shows the results for the section from **Omni Park** to **Collins Avenue** measuring 1423 metres with bus priority of 1186 metres. The table highlights the significant improvements in journey times following enhancements to the junction of Swords Road and Collins Avenue with continuous bus priority through the junction

The graph shows the following:

- Bus average speed was 13.52 kilometres per hour. In 2007, prior to the enhancements, bus average speed was 8.51 kilometres per hour
- Bus speeds ranged from 9.56 to 25.87 kilometres per hour. In 2007, prior to the enhancements, bus speeds ranged from 4.42 to 16.53 kilometres per hour
- Car average speed was 6.96 kilometres per hour having reduced from the 2007 figure of 7.66 kilometres per hour

Table 12p Swords QBC

**Bus Speeds AM Peak Omni Park to Collins Avenue
1423 Metres 1186 Metres of Bus Lane**



Tallaght QBC

Tables 12q and 12r are examples from Tallaght QBC.

Table 12q shows the results for the section from **Leinster Road, Rathmines** to the **Canal**. This section measures 594 metres with 400 metres of bus priority. Additional inbound priority had been implemented in 2007 at the expense of outbound priority.

The graph shows the following:

- Bus average speed was 12.80 kilometres per hour
- In 2006, prior to the enhancements, bus average speed was 10.38 kilometres per hour
- Bus journey times ranged from 1 minutes 15 seconds to 4 minutes 22 seconds
- Car journey times ranged from 1 minute 10 seconds to 9 minutes 56 seconds

Table 12r shows the PM outbound section from **South Great Georges Street** to **Harcourt Road**. The section measures 1253 metres with bus priority of 428 metres.

The graph shows the following:

- Bus average speed was 8.53 kilometres per hour
- Buses travelled slowly throughout the survey period
- The slowest bus operated at 6.40 kilometres per hour at 1616
- This slowest bus took 11 minutes 45 seconds to travel on this section

Table 12q Tallaght QBC

Bus Speeds AM Peak Leinster Road to Canal
594 Metres 400 Metres of Bus Lane

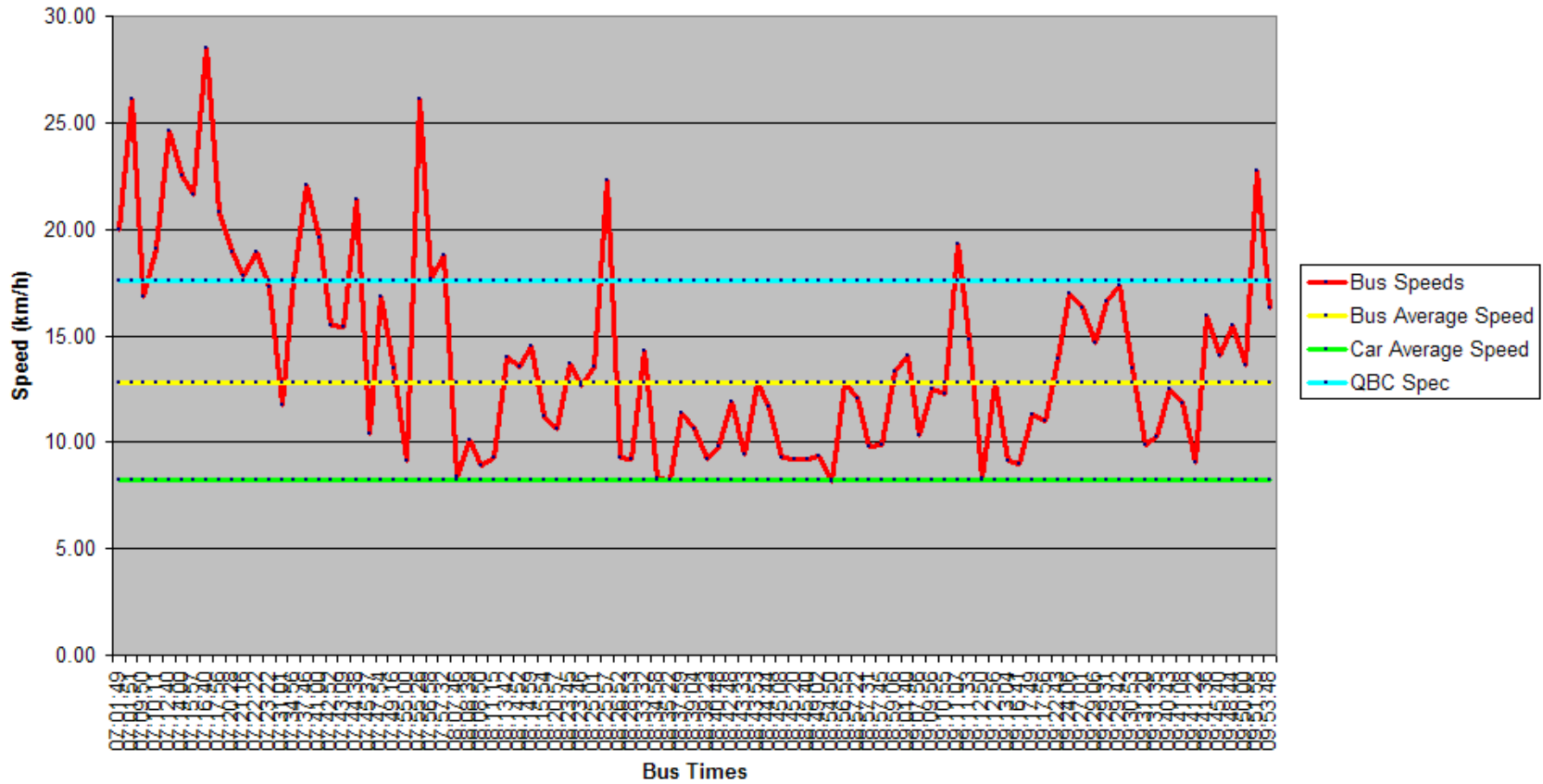
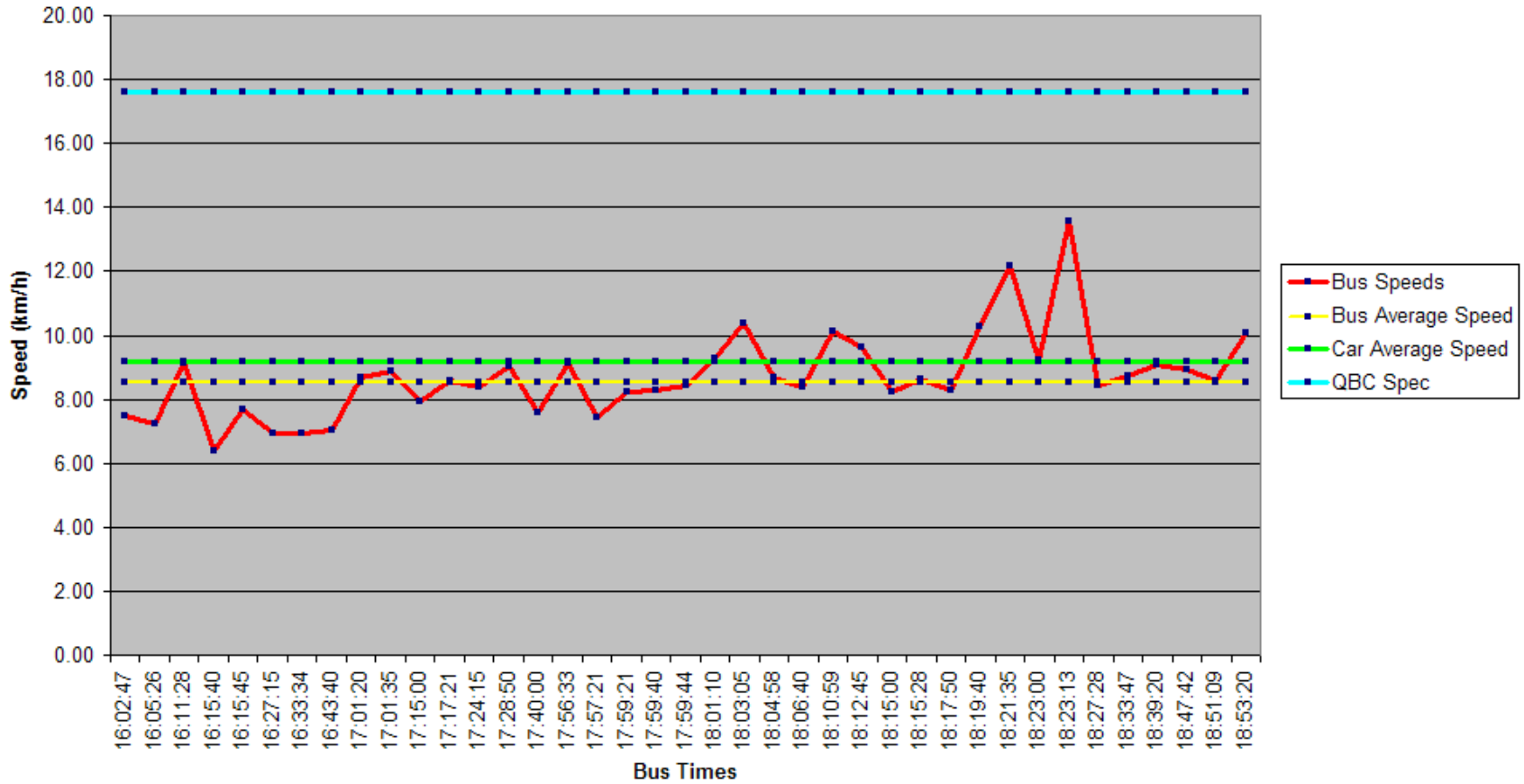


Table 12r Tallaght QBC

**Bus Speeds PM Peak South Great Georges Street to Harcourt Road
1253 Metres 428 Metres of Bus Lane**



Ballymun QBC

Table 12s is an example from Ballymun QBC.

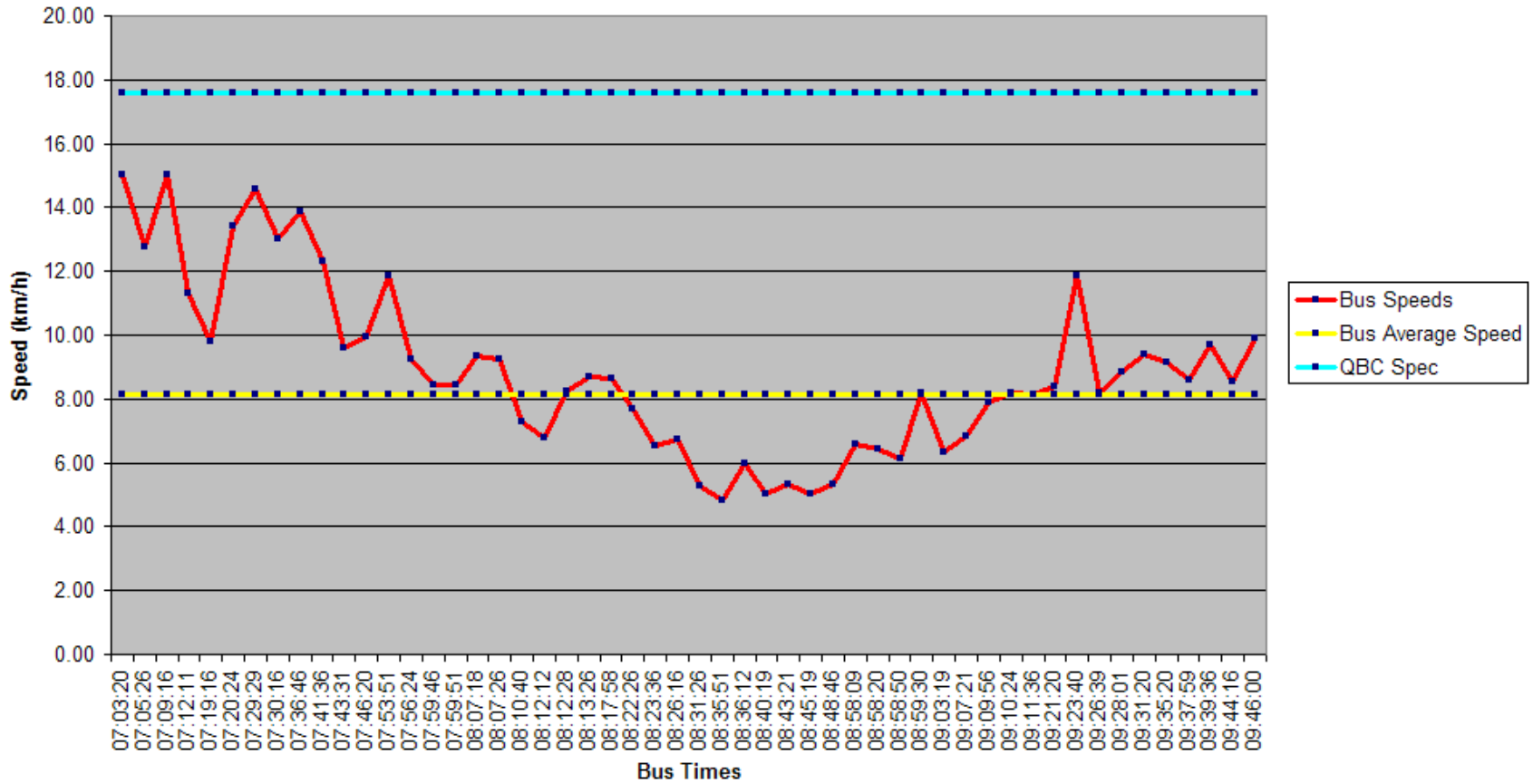
The table shows the cross-city section from **Frederick Street North** to **South Great Georges Street**, a distance of 1864 metres with bus priority of 981 metres.

The graph shows the following:

- Bus average speed was 8.14 kilometres per hour
- The slowest bus operated at 4.83 kilometres per hour at 0836
- This slowest bus took 23 minutes 8 seconds to travel this section
- There was a considerable fall in operating speeds between 0818 and 0921

Table 12s Ballymun QBC

**Bus Speeds AM Peak Frederick Street North to South Great Georges Street
1864 Metres 981 Metres of Bus Lane**



Bray QBC

Table 12t shows an example from the Bray QBC.

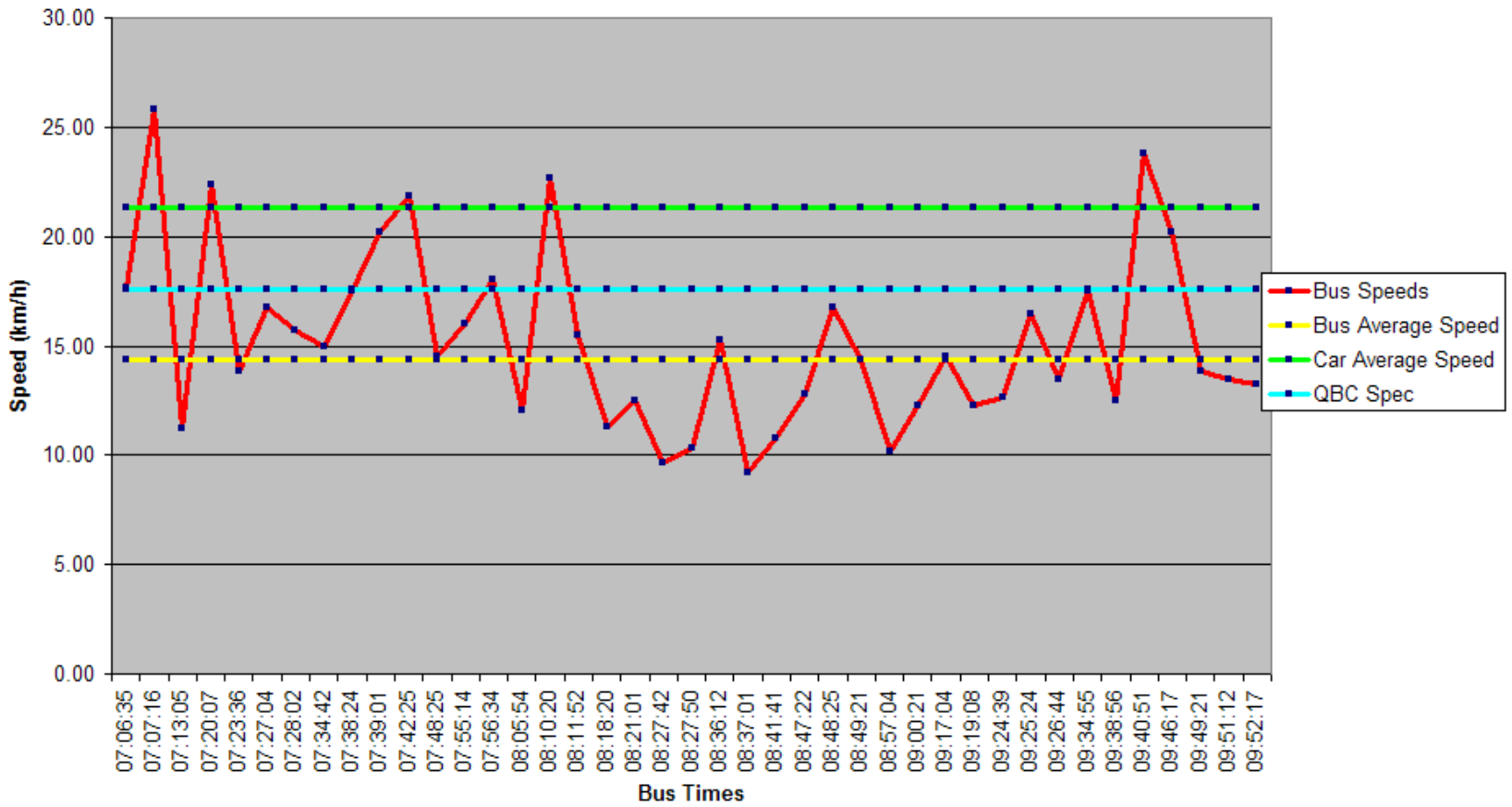
The section shown is from **Bray Main Street** to **Upper Dargle Road**, a distance of 516 metres with 162 metres of bus priority.

The graph shows the following:

- Bus average speed was 14.40 kilometres per hour
- The slowest bus operated at 9.20 kilometres per hour at 0837
- This slowest bus took 3 minutes 22 seconds to travel this short section

Table 12t Bray QBC

**Bus Speeds AM Peak Bray Main Street to Upper Dargle Road
516 Metres 162 Metres of Bus Lane**



Clontarf QBC

Table 12u shows an example from Clontarf QBC.

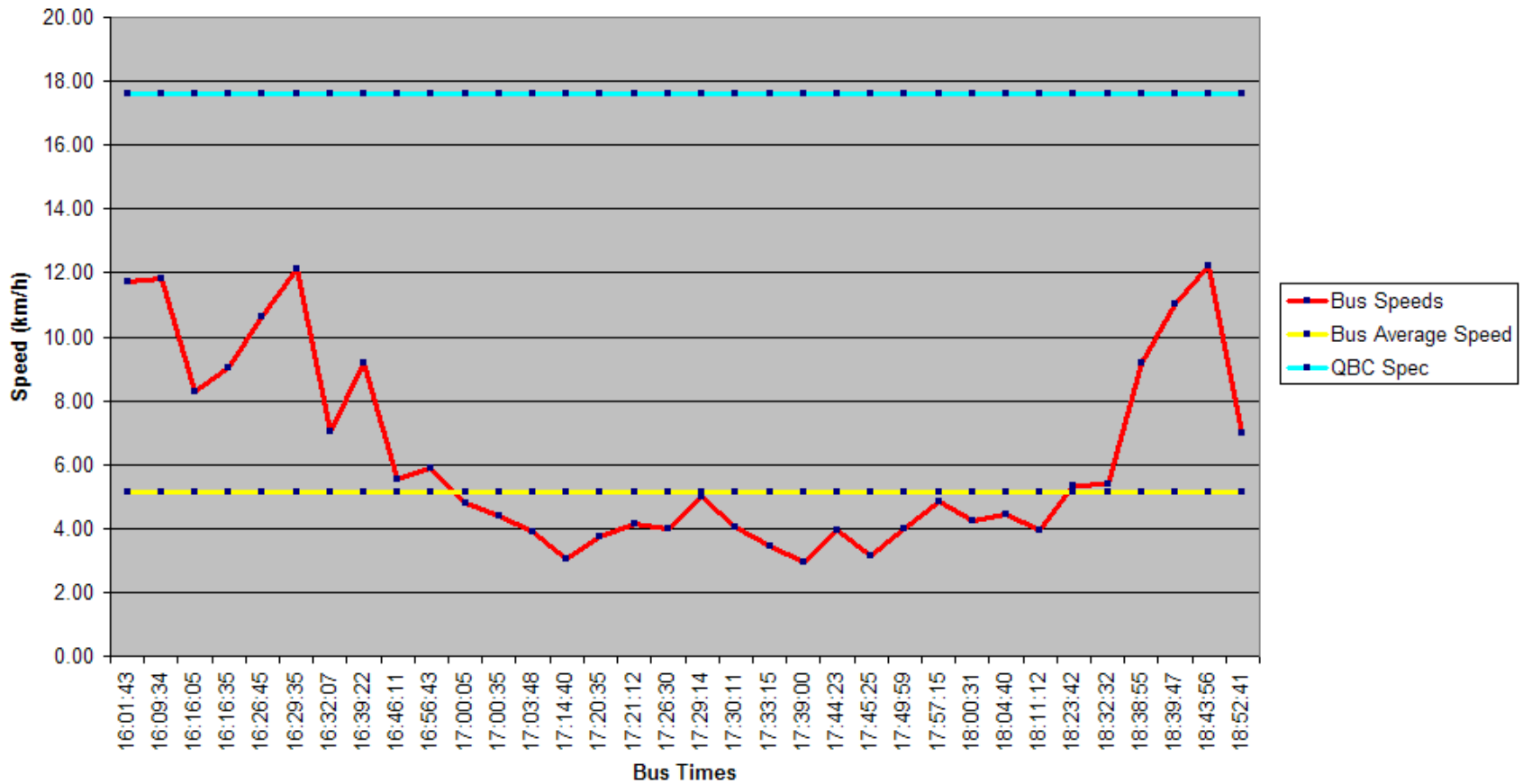
The graph shows the outbound section from the terminus at **Lower Abbey Street** to **Amiens Street/North Strand**, a distance of 763 metres.

The graph shows the following:

- Bus average speed was 5.16 kilometres per hour
- The slowest bus operated at 2.94 kilometres per hour at 1739
- This slowest bus took 15 minutes 34 seconds to travel this short section
- Bus journey time ranged from 3 minutes 45 seconds to 15 minutes 34 seconds

Table 12u Clontarf QBC

**Bus Speeds PM Peak Abbey Street Lower to North Strand
763 Metres 0 Metres of Bus Lane**



Howth Road QBC

Table 12v shows an example from Howth Road QBC

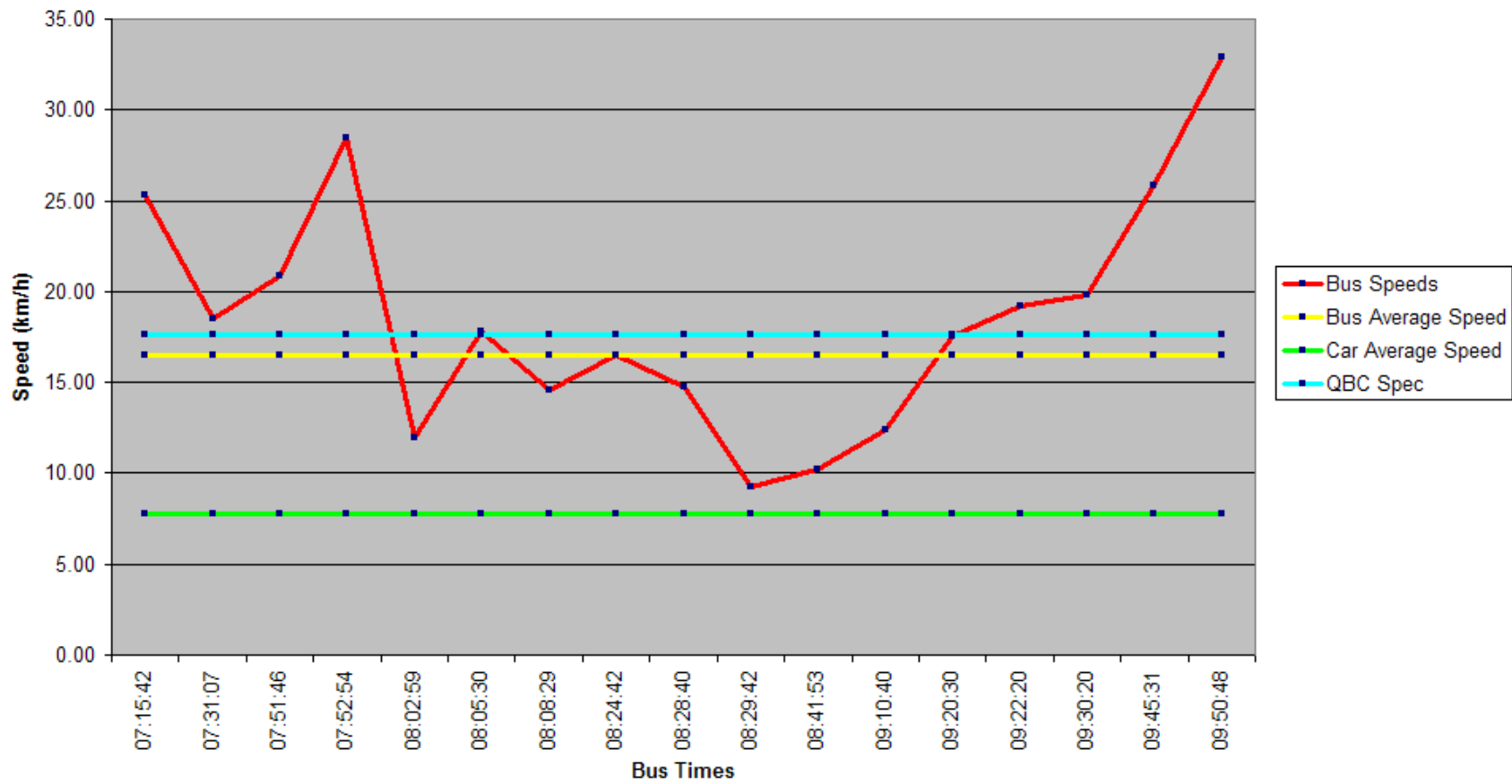
The graph shows the section from **Sybil Hill Road** to **Collins Avenue**, a distance of 1042 metres with bus priority of 727 metres. Enhancements to this section had been carried out in 2007.

The graph shows the following:

- Bus average speed was 16.53 kilometres per hour
- In 2006, prior to the enhancements, bus average speed was 5.19 kilometres per hour
- Bus journey times ranged from 1 minute 54 seconds to 6 minutes 44 seconds
- In 2006, prior to the enhancements, bus journey times ranged from 3 minutes 55 seconds to 22 minutes 34 seconds

Table 12v Howth Road QBC

**Bus Speeds AM Peak Sybil Hill Road to Collins Avenue East
1042 Metres 727 Metres of Bus Lane**



Rock Road QBC

Table 12w shows an example from Rock Road QBC opened in 2007.

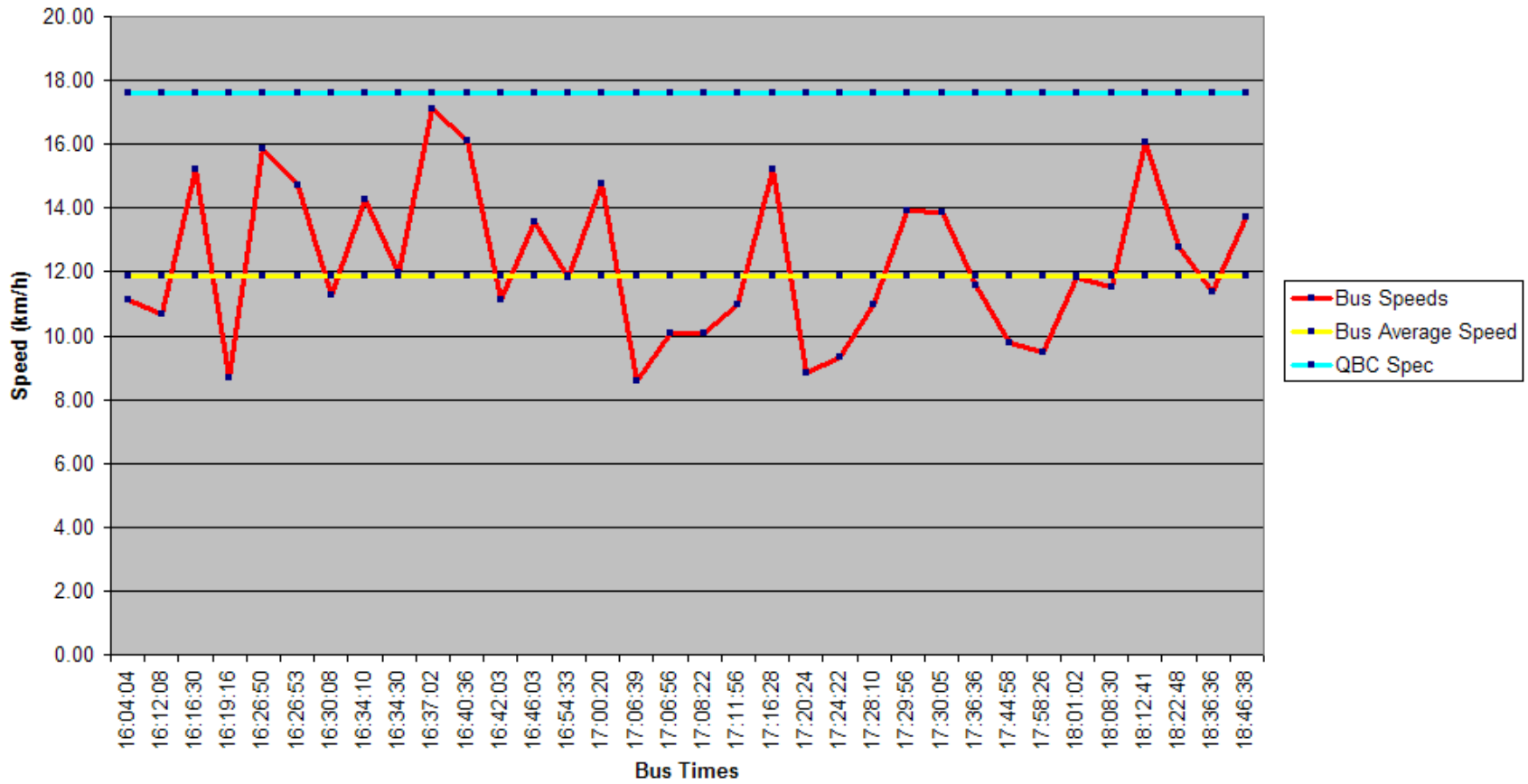
The graph shows the outbound section from **D'Olier Street** to **Merrion Square**, a distance of 1608 metres with 525 metres of bus priority.

The graph shows the following:

- Bus average speed was 11.85 kilometres per hour
- The slowest bus operated at 8.60 kilometres per hour at 1706
- This slowest bus took 11 minutes 13 seconds to travel on this section
- Bus journey time ranged from 5 minutes 38 seconds to 11 minutes 13 seconds

Table 12w Rock Road QBC

**Bus Speeds PM Peak D'Olier Street to Merrion Square
1608 Metres 525 Metres of Bus Lane**



Sth Clondalkin QBC

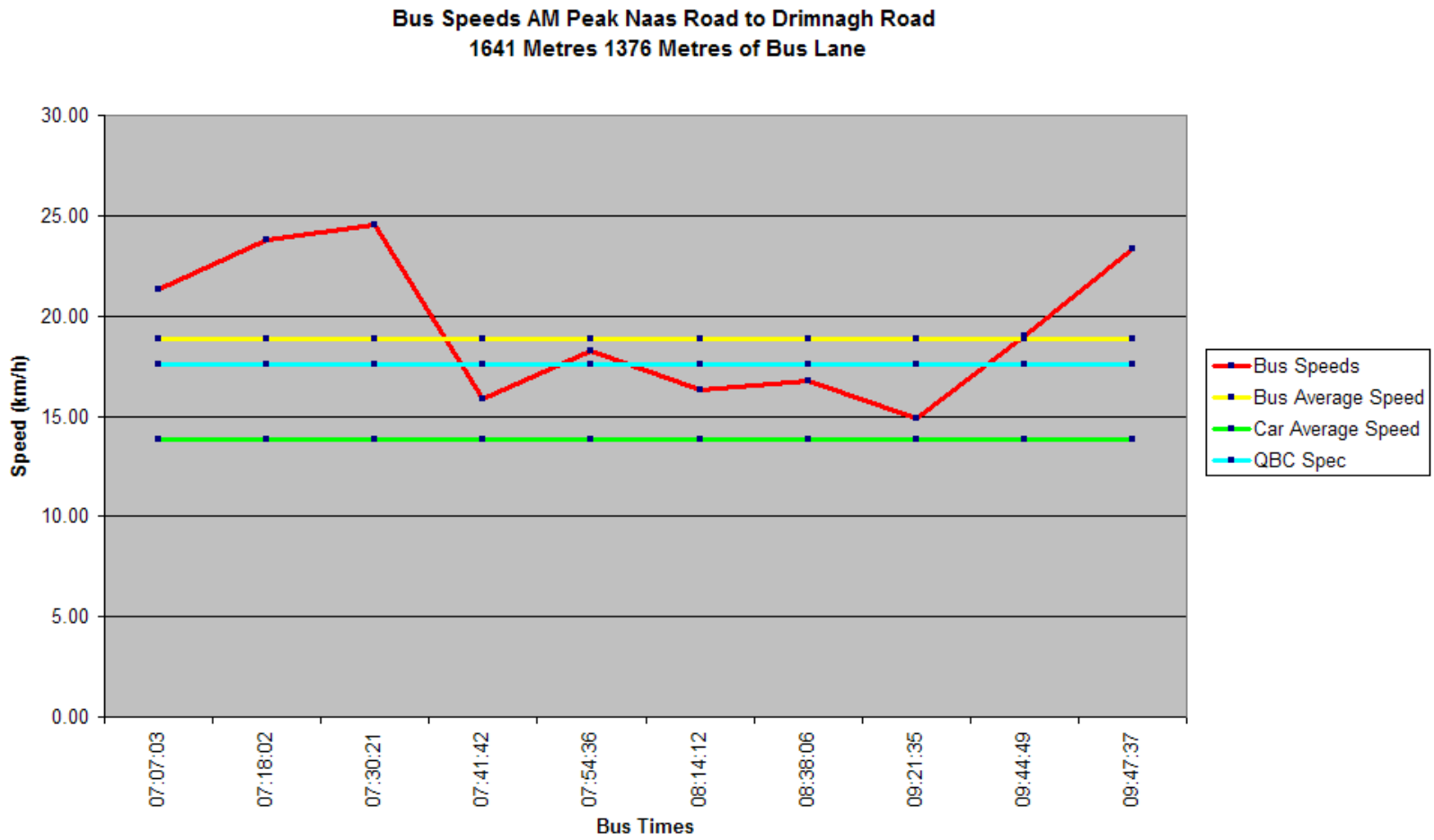
Table 12x shows an example from South Clondalkin QBC opened in 2007.

The graph shows the inbound section from the junction of **Nangor Road with Naas Road** to the junction of **Drinnagh Road with Walkinstown Road**, a distance of 1641 metres with 1376 metres of bus priority.

The graph shows the following:

- Bus average speed was 18.82 kilometres per hour and comfortably exceeds the QBC specification
- Bus journey time ranged from 4 minutes 1 second to 6 minutes 37 seconds
- Car average speed was 13.83 kilometres per hour
- Car journey time ranged from 3 minutes 38 seconds to 10 minutes 5 seconds

Table 12x South Clondalkin QBC



15 Pre QBC Reports

An important element of the QBC monitoring process in measuring the effectiveness of bus priority measures is to gather data prior to implementation to enable performance to be measured on a before and after basis.

In the 7 years that the DTO has been undertaking the annual exercise the following corridors have been monitored on a “pre QBC” basis.

November 2002

Rock Road QBC Sallynoggin to City Centre via Dun Laoghaire, Blackrock, Rock Road and Merrion Road
Greenhills QBC Main Street Tallaght to City Centre via Greenhills Road & Crumlin Road

November 2003

Sth Clondalkin QBC Kingswood via Naas Road to Tyrconnell/Emmet Road
Kingswood via Naas Road and Long Mile Road to Drimnagh Road
Ninth Lock Road/Nangor Road via Nangor Road & Naas Road to Tyrconnell/Emmet Road
Ninth Lock/Nangor Road via Nangor Road & Long Mile Road to Drimnagh Road

November 2004

Howth Road QBC Raheny to Fairview via Howth Road
Sth Clondalkin QBC Grangecastle to Tyrconnell/Emmet Road via Nangor Road & Naas Road
Orbital QBC Quarryvale to Tallaght Belgard Square North via Fonthill Road & Belgard Road

November 2005

North City Orbital QBC Kilbarrack to Finglas

Information is available for Greenhills, and the Orbital QBCs and can be obtained from Michael Warnock-Smith of Dublin Transportation Office. Please e-mail michael.warnocksmith@dto.ie

16 1900-2000 Reports

The scope of the 2008 surveys was widened to include the period from 1900 to 2000. Other than a small number of 24-hour bus lanes, most bus lane operational hours cease at 1900.

Bus and car sectional journey times for each QBC for the 1900-2000 the time period are shown in **Tables 13a to 13p**.

Tables 13a to 13i inclusive show the results for the 9 main radial QBCs.

Tables 13j to 13m inclusive show the results for those QBCs monitored for the first time in 2004, namely Ballymun QBC, Bray QBC incorporating the N11 extension from Foxrock to Loughlinstown, Clontarf QBC and Howth Road QBC.

Tables 13n to 13p inclusive show the results from Crumlin Road QBC and the 2 QBCs launched in 2007, namely Rock Road and South Clondalkin.

These tables should be looked at in conjunction with the bus speed **Tables 14a to 14p**, which give details of the length of each section and the length of bus priority. It should be noted, however, that bus lanes were not operational during the 1900 to 2000 survey period.

Table 13a Blanchardstown QBC

Blanchardstown QBC Roadside Survey Results - November 2008			
Sectional Results			
Section	Average Range	1900 - 2000 Outbound	
		Bus	Car
Ongar to Hansfield Road	Average Range	N/A N/A	N/A N/A
Blanchardstown Road South to Ongar via Hartstown	Average Range	N/A N/A	N/A N/A
Hansfield Road to Shelerin Road	Average Range	N/A N/A	N/A N/A
Shelerin Road Direct to Blanchardstown Rd Sth	Average Range	N/A N/A	N/A N/A
Shelerin Rd via Hansfield & Town Centre to Blakestown Way (39)	Average Range	N/A N/A	N/A N/A
Blakestown Way to Rear of Shopping C'tre (Peak)	Average Range	N/A N/A	N/A N/A
Blanchardstown Road South to Coolmine Rd (via TC Outbound)	Average Range	9:01 7:57 to 9:56	N/A N/A
Rear of Shopping Centre to River Rd R'bt (Peak)	Average Range	N/A N/A	N/A N/A
Coolmine Road to Main Street	Average Range	3:43 2:58 to 4:17	3:14 2:32 to 3:46
Main Street to River Road Roundabout	Average Range	2:58 1:54 to 3:37	4:55 2:00 to 7:50
River Road Rbt to New River Road	Average Range	2:25 1:44 to 3:25	2:16 1:22 to 2:59
New River Road to Ashtown Roundabout	Average Range	2:37 2:09 to 3:26	1:42 1:26 to 2:13
Ashtown Roundabout to Nephin Road	Average Range	4:39 3:06 to 5:41	4:00 2:41 to 6:06
Nephin Road to Ratoath Road	Average Range	2:06 1:30 to 3:10	1:47 1:09 to 3:19
Ratoath Rd to Old Cabra Rd/North Circular Rd	Average Range	1:49 1:20 to 2:31	1:11 0:56 to 1:36
Old Cabra Rd/North Circular Rd to Manor St	Average Range	2:35 1:46 to 3:10	1:51 1:17 to 2:21
Manor Street to Blackhall Place/Bridge	Average Range	3:56 3:14 to 4:59	2:26 2:11 to 2:48
Blackhall Place to Capel Street	Average Range	N/A N/A	N/A N/A
Capel Street to Westmoreland Street	Average Range	N/A N/A	N/A N/A
Hawkins St to Merchants Quay/Winetavern St	Average Range	10:19 7:46 to 12:10	N/A N/A
Merchants Quay to Blackhall Bridge	Average Range	2:18 2:02 to 2:29	N/A N/A
New River Road to Westmoreland Street/Hawkins Street	Average Range	29:23 23:05 to 36:56	N/A N/A

Table 13b Finglas QBC

Finglas QBC Roadside Survey Results - November 2008			
Sectional Results 1900 - 2000			
Section		1900 - 2000 Outbound	
		Bus	Car
Mellowes Bridge to Finglas	Average Range	3:40 2:38 to 4:16	N/A N/A
Finglas to Prospect Road/Whitworth Rd	Average Range	6:57 5:29 to 8:53	5:09 5:09
Prospect Rd to Dorset Street Lower	Average Range	4:18 2:24 to 5:39	3:10 1:33 to 5:01
O'Connell Street to Finglas Road via Phibsborough	Average Range	18:42 15:10 to 21:25	N/A N/A
Finglas to Parnell Sq East/Parnell Street	Average Range	26:39 23:39 to 30:40	N/A N/A
Parnell Street to Dorset Street Lower	Average Range	13:55 7:19 to 18:05	N/A N/A

Table 13c Lucan QBC

Lucan QBC Roadside Survey Results - November 2008			
Sectional Results - Journey Times			
Section		1900 - 2000 Outbound	
		Bus	Car
Lucan Superquinn to Penny Hill Pub	Average	14:38	N/A
	Range	13:10 to 15:39	N/A
Penny Hill Pub to Foxhunter	Average	5:31	4:06
	Range	5:31	4:06
Foxhunter to West of M50	Average	2:58	N/A
	Range	2:12 to 3:33	N/A
West of M50 to Palmerston	Average	2:57	N/A
	Range	2:27 to 3:15	N/A
Palmerston to Con Colbert Rd	Average	3:48	3:39
	Range	3:48	2:21 to 4:31
Palmerston to Conyngham Road	Average	9:07	6:09
	Range	7:34 to 11:31	5:30 to 6:51
Con Colbert Road to Heuston Station	Average	3:09	N/A
	Range	2:40 to 3:38	N/A
Heuston Station to Ellis Quay	Average	N/A	N/A
	Range	N/A	N/A
Heuston Station to Bachelors Walk	Average	N/A	N/A
	Range	N/A	N/A
Conyngham Road to Parkgate Street	Average	N/A	N/A
	Range	N/A	N/A
Con Colbert Road to Ellis Quay	Average	N/A	N/A
	Range	N/A	N/A
Parkgate Street to Ellis Quay	Average	N/A	N/A
	Range	N/A	N/A
Ellis Quay to Arran Quay	Average	N/A	N/A
	Range	N/A	N/A
Arran Quay to Bachelors Walk	Average	N/A	N/A
	Range	N/A	N/A
Pearse Street to Wellington Quay	Average	6:23	N/A
	Range	4:10 to 7:49	N/A
Wellington Quay to Merchants Quay	Average	2:17	2:12
	Range	1:26 to 3:20	1:39 to 3:03
Merchants Quay to Heuston Station	Average	3:07	3:09
	Range	2:20 to 3:53	2:48 to 3:30
Merchants Quay to Conyngham Road	Average	5:57	N/A
	Range	3:57 to 6:59	N/A
Foxhunter to Bachelors Walk/ Wellington Quay via Bypass	Average	19:27	N/A
	Range	19:27	N/A
Foxhunter to Bachelors Walk/ Wellington Q via Chapelizod	Average	24:41	N/A
	Range	20:53 to 28:38	N/A

Table 13d Malahide QBC

Malahide QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900 - 2000 Outbound	
		Bus	Car
Clare Hall to Priorswood Road	Average Range	4:51 2:29 to 7:11	N/A N/A
Priorswood Rd to Greencastle Rd (Direct)	Average Range	2:49 2:11 to 3:40	1:53 1:16 to 2:53
Priorswood Rd to Greencastle Rd (Darndale)	Average Range	11:34 10:53 to 12:20	N/A N/A
Greencastle Road to North of Kilmore Road	Average Range	3:58 2:51 to 5:21	3:11 2:09 to 5:51
North of Kilmore Road to St Davids Wood	Average Range	N/A N/A	N/A N/A
St Davids Wood to Collins Avenue	Average Range	N/A N/A	N/A N/A
Collins Avenue to Casino Park	Average Range	N/A N/A	N/A N/A
Casino Park to Fairview	Average Range	N/A N/A	N/A N/A
Fairview to Amiens Street/North Strand	Average Range	5:15 3:59 to 6:31	N/A N/A
Amiens Street/North Strand to Talbot Street	Average Range	6:05 5:11 to 7:48	N/A N/A
Collins Avenue to Kilmore Road	Average Range	2:46 2:01 to 3:40	2:04 1:33 to 3:21
Griffith Avenue to Collins Avenue	Average Range	2:29 1:29 to 3:34	1:25 1:25
Fairview to Griffith Avenue	Average Range	2:29 1:41 to 4:07	2:14 2:14
Greencastle Road to Amiens Street	Average Range	16:59 14:02 to 20:08	N/A N/A
Clare Hall to Talbot Street (via Darndale)	Average Range	41:33 34:13 to 49:59	N/A N/A

Table 13e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900 - 2000 Outbound	
		Bus	Car
Liffey Valley Centre to Coldcut Road	Average Range	15:25 12:51 to 19:00	N/A N/A
Coldcut Road to Ballyfermot/Kylemore	Average Range	7:14 5:55 to 7:52	N/A N/A
Ballyfermot/Kylemore to Emmet Road	Average Range	5:27 4:40 to 5:56	N/A N/A
Emmet Rd to Mount Brown/James Street	Average Range	6:16 5:16 to 7:33	4:01 4:01
Mount Brown / James St to Cornmarket	Average Range	3:05 1:44 to 4:26	1:51 1:13 to 2:58
Cornmarket to Westmoreland Street	Average Range	N/A N/A	N/A N/A
Aston Quay to Bridge Street	Average Range	2:58 2:23 to 3:23	2:00 1:56 to 2:05
Bridge Street to Cornmarket	Average Range	1:57 1:10 to 2:49	1:31 1:31
Coldcut Road to Westmoreland St/Aston Q	Average Range	25:25 24:11 to 26:43	N/A N/A
Liffey Valley Centre to Westmoreland St/Aston Q	Average Range	41:55 35:33 to 48:02	N/A N/A
Emmet Road to Westmoreland St/Aston Q	Average Range	14:17 12:11 to 16:05	N/A N/A

Table 13f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900-2000 Outbound	
		Bus	Car
Nutgrove Ave Terminus to Oakdown Road	Average Range	0:23 0:19 to 0:26	N/A N/A
Oakdown Rd to R'nham Rd/Butterfield Avenue	Average Range	4:42 3:38 to 5:28	N/A N/A
Rathfarnham Road to Butterfield Avenue	Average Range	0:38 0:14 to 0:54	0:18 0:13 to 0:21
Terenure Road North to Rathfarnham Road	Average Range	3:48 3:25 to 4:10	3:10 3:10
Whitton Road to Terenure Road North	Average Range	0:27 0:10 to 0:46	0:25 0:12 to 0:51
Harolds Cross/Leinster Rd to Whitton Road	Average Range	4:01 3:08 to 5:22	3:29 3:29
Canal to Harolds Cross/Leinster Rd	Average Range	2:13 1:40 to 2:47	1:25 0:52 to 2:09
Clanbrassil Street to Canal	Average Range	3:56 2:22 to 5:04	3:50 2:36 to 6:12
Clanbrassil Street to South Circular Road	Average Range	1:16 0:24 to 2:18	N/A N/A
Clanbrassil Street/Canal to Dean Street	Average Range	4:53 3:20 to 6:09	3:06 2:38 to 3:34
Dean St to Westmoreland St/College Green	Average Range	5:42 4:55 to 6:52	N/A N/A
South Circular Road to Camden Street	Average Range	4:41 2:53 to 5:56	N/A N/A
Camden Street to Bishop Street	Average Range	1:55 1:13 to 3:37	1:36 0:53 to 2:19
Bishop St to W'land St/College Green	Average Range	4:12 3:01 to 5:45	N/A N/A
Camden St to W'land St/College Green	Average Range	6:04 4:20 to 7:35	N/A N/A
Parnell Square East to College Green	Average Range	7:43 5:20 to 11:05	N/A N/A
Rathfarnham to Westmoreland Street/College Green	Average Range	29:50 28:17 to 31:32	N/A N/A

Table 13g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2008			
Sectional Results			
Section		1900-2000 Outbound	
		Bus	Car
Dun Laoghaire Station to Foxrock Church	Average Range	15:05 11:09 to 17:47	N/A N/A
Foxrock Church to Mount Merrion Avenue	Average Range	10:35 7:44 to 15:07	3:47 3:43 to 3:50
Mount Merrion Avenue to Donnybrook	Average Range	9:18 7:18 to 10:18	N/A N/A
Donnybrook to Morehampton Road	Average Range	4:37 3:36 to 5:58	2:43 2:43
Morehampton Road to Leeson Street	Average Range	7:11 5:41 to 8:03	N/A N/A
Leeson St to D'Olier/W'moreland Street	Average Range	9:11 8:24 to 10:05	N/A N/A
Parnell Square East to D'Olier Street	Average Range	7:03 5:15 to 9:44	N/A N/A
Foxrock Church to Leeson Street	Average Range	28:55 25:30 to 31:35	N/A N/A
Foxrock Church to W'moreland/D'Olier St	Average Range	36:29 34:36 to 39:38	N/A N/A
Dun Laoghaire to W'moreland/D'Olier St	Average Range	47:37 36:19 to 57:22	N/A N/A

Table 13h Swords QBC

Swords QBC Roadside Survey Results - November 2008			
Sectional Results			
Section	Average Range	1900 - 2000 Outbound	
		Bus	Car
County Council to Swords Main Street	Average Range	1:06 0:40 to 2:18	0:50 0:29 to 1:19
Swords Main Str to Airside Business Pk	Average Range	6:31 5:05 to 7:46	N/A N/A
Airside Business Pk to Cloghran R'bout	Average Range	2:40 1:32 to 2:55	1:49 1:32 to 2:10
Cloghran Rbt to Airport South (Not via Airport)	Average Range	3:29 2:58 to 3:50	2:46 1:39 to 3:52
Cloghran Rbt to Airport South (Via Airport)	Average Range	7:17 6:31 to 8:00	N/A N/A
Airport South to Omni Park	Average Range	10:20 9:02 to 13:07	N/A N/A
Omni Park to Collins Avenue	Average Range	3:36 2:49 to 4:40	N/A N/A
Collins Ave to Richmond Rd/Botanic Ave	Average Range	5:38 4:44 to 6:59	4:59 3:36 to 6:10
Richmond Rd/Botanic Ave to Dorset St Lwr	Average Range	3:26 1:30 to 5:14	2:55 2:08 to 5:29
Lwr Abbey St to Dorset St Lower/North Circular	Average Range	6:41 5:53 to 7:11	N/A N/A
Lwr Abbey St to Swords Main Street	Average Range	46:20 45:08 to 47:32	N/A N/A

Table 13i Tallaght QBC

Tallaght QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900-2000 Outbound	
		Bus	Car
Main Street to West M50	Average	4:25	3:35
	Range	4:22 to 4:28	3:35
West M50 to East M50	Average	1:00	0:47
	Range	0:43 to 1:22	0:34 to 0:58
East M50 to Oldbridge Road	Average	2:34	2:30
	Range	2:06 to 3:03	1:36 to 3:41
Oldbridge Road to Fortfield Road	Average	3:43	3:19
	Range	2:41 to 4:20	1:45 to 4:13
Fortfield Road to Rathdown Park	Average	0:55	1:00
	Range	0:41 to 1:20	0:27 to 1:38
Rathdown Park to Terenure Road East	Average	2:24	N/A
	Range	1:48 to 2:45	N/A
Terenure Road East to Rathgar Road	Average	4:24	N/A
	Range	3:12 to 5:36	N/A
Rathgar Road to Leinster Road	Average	2:01	1:21
	Range	1:10 to 3:05	1:08 to 1:34
Leinster Road to Canal	Average	2:26	2:13
	Range	1:18 to 4:35	1:50 to 2:35
Canal to Camden Street/Harcourt Road	Average	2:02	1:20
	Range	1:18 to 2:25	1:01 to 1:40
Dame Street to Harcourt Road	Average	7:14	N/A
	Range	5:54 to 9:27	N/A
Eden Quay to Harcourt Road via Camden Street	Average	12:12	N/A
	Range	9:20 to 15:43	N/A
Eden Quay to Harcourt Road via Earlsfort Terrace	Average	11:25	N/A
	Range	9:13 to 14:06	N/A
Eden Quay to Dame Street	Average	5:15	N/A
	Range	3:26 to 7:50	N/A
Camden Street to W'moreland St	Average	N/A	N/A
	Range	N/A	N/A
Camden St to Westmoreland St via Earlsfort T'ce (15 series)	Average	N/A	N/A
	Range	N/A	N/A
West of M50 to Westmoreland Street	Average	33:25	N/A
	Range	29:24 to 39:18	N/A

Table 13j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900 - 2000 Outbound	
		Bus	Car
Civic Centre to Griffith Avenue/The Rise	Average Range	5:40 4:21 to 6:36	N/A N/A
Griffith Avenue to Botanic Avenue	Average Range	N/A N/A	N/A N/A
Griffith Avenue/The Rise to Dorset St Lower (13A)	Average Range	12:38 11:00 to 14:03	7:21 7:04 to 7:38
Botanic Avenue to Cliftonville Road	Average Range	N/A N/A	N/A N/A
Bon Secours Hospital to Cliftonville Road	Average Range	N/A N/A	N/A N/A
Cliftonville Rd/Glasnevin Hill to Prospect Road	Average Range	3:06 2:30 to 3:39	2:38 2:20 to 3:02
Prospect Rd to Dorset St Lwr/Whitworth	Average Range	4:18 2:24 to 5:39	3:10 1:33 to 5:01
Prospect Rd to Phibsboro Rd/NCR	Average Range	3:06 2:16 to 4:07	1:41 0:35 to 3:37
Phibsboro Rd/NCR to Frederick St North	Average Range	N/A N/A	N/A N/A
Dorset St Lwr to Frederick St North	Average Range	N/A N/A	N/A N/A
Frederick St North to Parnell Square East	Average Range	N/A N/A	N/A N/A
Frederick St North to South Great Georges St	Average Range	N/A N/A	N/A N/A
Parnell Square East to O'Connell St Lwr	Average Range	N/A N/A	N/A N/A
O'Connell St Lwr to South Great Georges St	Average Range	N/A N/A	N/A N/A
Camden Street Upper to O'Connell St Lower via Earlsfort Terrace	Average Range	12:46 8:36 to 15:36	N/A N/A
Camden Street Upper to O'Connell St Lower via Camden Street	Average Range	13:58 12:52 to 14:45	N/A N/A
O'Connell St Lwr to Parnell Square West	Average Range	5:06 2:52 to 6:59	N/A N/A
Parnell Square West to Granby Row	Average Range	0:50 0:15 to 2:17	N/A N/A
Parnell Sq West to NCR/ Phibsboro Road	Average Range	4:54 3:13 to 6:26	N/A N/A
Granby Row to Blessington Street	Average Range	1:13 0:28 to 2:32	N/A N/A
Blessington Street to Whitworth Road	Average Range	4:24 2:09 to 8:28	4:26 4:24 to 4:29
Glasnevin Hill to The Rise	Average Range	4:42 2:52 to 6:31	2:41 2:41
Ballymun to Lower O'Connell Street via Whitworth Road (13)	Average Range	29:06 25:31 to 32:31	N/A N/A
Ballymun to Lower O'Connell Street via Phibsborough (4/4A)	Average Range	30:03 30:03	N/A N/A
Ballymun to Lower O'Connell Street via Griffith Avenue (13A)	Average Range	32:42 31:02 to 33:51	N/A N/A

Table 13k Bray QBC

Bray QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900 - 2000 Outbound	
		Bus	Car
Bray Main Street to Upper Dargle Road	Average Range	1:43 1:03 to 2:28	1:22 1:17 to 1:27
Upper Dargle Rd to Wilford Roundabout	Average Range	2:18 1:27 to 3:01	2:14 1:26 to 3:02
Wilford Roundabout to Shankill Village	Average Range	3:35 2:34 to 4:53	N/A N/A
Shankill Village to Loughlinstown Roun	Average Range	3:44 2:58 to 4:35	3:10 3:10
Loughlinstown Roun to Cabinteely South	Average Range	5:32 4:34 to 6:27	3:43 3:43
Cabinteely South to Foxrock Church	Average Range	3:21 2:28 to 3:53	3:10 2:00 to 6:50
Bray Main Street to Foxrock Church	Average Range	20:04 17:24 to 22:44	N/A N/A
Bray Main Street to Leeson Street	Average Range	48:09 43:32 to 53:06	N/A N/A
Bray Main Street to W'moreland/ D'Olier St	Average Range	57:49 52:13 to 62:33	N/A N/A
Parnell Square East to Bray	Average Range	67:59 64:06 to 72:59	N/A N/A

Table 13I Clontarf QBC

Clontarf QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900 - 2000 Outbound	
		Bus	Car
Clontarf Garage to Vernon Avenue	Average Range	1:40 1:21 to 1:58	0:43 0:31 to 1:00
Vernon Avenue to Castle Avenue	Average Range	1:15 1:05 to 1:32	1:11 1:03 to 1:52
Castle Avenue to Alfie Byrne Road	Average Range	2:31 1:43 to 3:24	1:51 1:09 to 2:40
Alfie Byrne Road to Fairview	Average Range	2:51 2:04 to 3:43	1:28 1:04 to 2:15
Fairview to Amiens Street/North Strand	Average Range	5:15 3:59 to 6:31	N/A N/A
Amiens Street to Talbot Street	Average Range	N/A N/A	N/A N/A
Lwr Abbey St to North Strand	Average Range	4:46 2:31 to 7:30	N/A N/A
Clontarf Garage to Fairview	Average Range	8:12 6:16 to 9:24	6:15 4:13 to 9:07
Clontarf Garage to Amiens Street	Average Range	13:53 11:00 to 15:28	N/A N/A
Clontarf Garage to Lwr Abbey St	Average Range	19:10 15:46 to 21:30	N/A N/A

Table 13m Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900 - 2000 Outbound	
		Bus	Car
Raheny to Sybil Hill Road	Average Range	3:21 3:02 to 3:51	2:57 2:41 to 3:13
Sybil Hill Rd to Collins Avenue East	Average Range	2:55 2:10 to 3:28	2:44 2:22 to 3:02
Collins Ave East to Copeland Ave	Average Range	3:21 2:48 to 3:58	3:02 2:36 to 3:27
Copeland Ave to Fairview	Average Range	2:08 1:37 to 2:38	1:43 1:25 to 2:00
Fairview to Amiens Street/North Strand	Average Range	5:15 3:59 to 6:31	N/A N/A
Amiens Street to Talbot Street	Average Range	N/A N/A	N/A N/A
Eden Quay to North Strand	Average Range	4:25 3:45 to 5:31	N/A N/A
Raheny to Fairview	Average Range	11:24 10:50 to 12:23	9:34 9:34
Raheny to Amiens Street/North Strand	Average Range	16:44 15:56 to 18:25	N/A N/A
Raheny to Talbot St/Eden Quay	Average Range	20:52 19:49 to 23:23	N/A N/A

Table 13n Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900 - 2000 Outbound	
		Bus	Car
Drimnagh Road to St Marys Road	Average Range	2:26 1:31 to 3:41	1:58 1:21 to 2:38
St Marys Road to Dolphins Barn	Average Range	5:51 5:08 to 6:38	4:34 4:04 to 5:05
Dolphins Barn to Dean Street	Average Range	5:39 4:31 to 7:17	3:58 3:20 to 4:35
Dean Street to Westmoreland Street	Average Range	N/A N/A	N/A N/A
Westmoreland Street to Ringsend Road	Average Range	N/A N/A	N/A N/A
Ringsend Road to College Green	Average Range	13:32 8:02 to 17:10	N/A N/A
College Green to Dean Street	Average Range	7:53 6:42 to 9:50	N/A N/A
Drimnagh Rd to W'moreland St/College Gn	Average Range	23:55 19:47 to 29:37	N/A N/A

Table 13o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900-2000 Outbound	
		Bus	Car
Frascati Road to Booterstown	Average Range	2:54 1:41 to 3:24	2:05 1:50 to 2:35
Booterstown to Ballsbridge	Average Range	8:50 5:36 to 10:35	N/A N/A
Ballsbridge to Merrion Square	Average Range	5:21 4:35 to 6:52	6:06 6:06
Merrion Square to O'Connell Street	Average Range	7:23 5:07 to 10:10	N/A N/A
Blackrock to O'Connell Street	Average Range	24:22 17:36 to 29:38	N/A N/A

Table 13p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2008			
Sectional Results			
Section		1900-2000 Outbound	
		Bus	Car
Nangor Rd/Grangecastle to Ninth Lock Road	Average Range	6:34 5:09 to 8:52	4:55 4:44 to 5:07
Ninth Lock Road to Naas Road	Average Range	5:52 5:13 to 6:44	2:15 2:15
Naas Road to Drimnagh Road	Average Range	3:57 2:56 to 4:33	3:38 3:38
Drimnagh Road to St Marys Road	Average Range	2:26 1:31 to 3:41	1:58 1:21 to 2:38
St Marys Road to Dolphins Barn	Average Range	5:51 5:08 to 6:38	4:34 4:04 to 5:05
Dolphins Barn to Dean Street	Average Range	5:39 4:31 to 7:17	3:58 3:20 to 4:35
Dean Street to Bachelors Walk	Average Range	N/A N/A	N/A N/A
College Green to Dean Street	Average Range	7:53 6:42 to 9:50	N/A N/A
Grangecastle to Bachelors Walk/College Green	Average Range	39:41 35:45 to 47:55	N/A N/A

16.1 1900-2000 Sectional Bus Speeds

The data used to compile the sectional bus journey times shown in **Section 16** is used to convert time to speed.

The results for each QBC for all the time periods surveyed are shown in **Tables 14a to 14p**. Although the tables show bus lane metres for all sections, these were not operational in the 1900-2000 survey period.

Tables 14a to 14i inclusive show the results for the 9 main radial QBCs.

Tables 14j to 14m inclusive show the results for those QBCs monitored for the first time in 2004, namely Ballymun QBC, Bray QBC incorporating the N11 extension from Foxrock to Loughlinstown, Clontarf QBC and Howth Road QBC.

Tables 14n to 14p inclusive show the results from Crumlin Road QBC and the 2 QBCs launched in 2007, namely Rock Road and South Clondalkin.

These tables should be looked at in conjunction with the **Tables 13a to 13p** for bus and car journey times.

Each table is colour coded as follows:

- **Yellow** denotes those sections where average speed is less than 5 kilometres per hour which effectively is walking speed
- **Blue** denotes those sections where average speed is greater than 5 but less than 10 kilometres per hour
- **Green** denotes those sections where average speed is greater than 10 but less than the minimum QBC specification speed (ie 20 kilometres per hour less 12% boarding and alighting time)

White denotes those sections that exceed the QBC specification

Table 14a Blanchardstown QBC

Blanchardstown QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Hawkins Street to Merchants Quay	1416	0	Average Range	8.23 6.98 to 10.94
Merchants Quay to Blackhall Place Bridge	732	450	Average Range	19.10 17.69 to 21.60
Blackhall Place Bridge to Manor Street	712	231	Average Range	10.86 8.57 to 13.21
Manor Street to North Circular Road	635	0	Average Range	14.75 12.03 to 21.56
North Circular Road to Ratoath Road	824	0	Average Range	27.21 19.64 to 37.09
Ratoath Road to Nephin Road	765	0	Average Range	21.86 14.49 to 30.60
Nephin Road to Ashtown Roundabout	1800	100	Average Range	23.22 19.00 to 34.84
Ashtown Roundabout to New River Road	1811	1332	Average Range	41.52 31.65 to 50.54
New River Road to River Road Roundabout	1108	78	Average Range	27.51 19.46 to 38.36
River Road Roundabout to Main Street	896	0	Average Range	18.12 14.86 to 28.29
River Road Roundabout to Rear of Town Centre (Peak)	1648	0	Average Range	N/A N/A
Main Street to Coolmine Road	1088	0	Average Range	17.56 15.24 to 22.00
Coolmine Road to Blakestown Way via Town Centre	3410	593	Average Range	22.69 20.60 to 25.74
Rear of Town Centre to Blakestown Way (Peak)	977	501	Average Range	N/A N/A
Blakestown Way to Ongar	7955	1633	Average Range	N/A N/A
Total Outbound Distance Hawkins Street to New River Road	8695	2113	Average Range	17.75 14.12 to 22.60
Total Outbound Distance Hawkins Street to River Road	9803	2191	Average Range	18.35 15.08 to 22.19
Total Outbound Distance (39A/B) Hawkins Str to Blakestown Way via Bypass	12428	2692	Average Range	N/A N/A
Total Outbound Distance Merchants Quay to New River Rd	7279	2113	Average Range	20.41 18.72 to 22.30

Table 14b Finglas QBC

Finglas QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds 1900 - 2000				
Section	Distance Metres	Bus Lane Metres		1900- 2000 Outbound Km/h
Parnell Street to Dorset Street Lower/Whitworth	1218	396	Average Range	5.25 4.04 to 9.99
Dorset Street Lower to Whitworth Road/Prospect Rd	952	0	Average Range	13.28 10.11 to 23.80
Prospect Road to Finglas Road	2907	1818	Average Range	25.10 19.64 to 31.81
Finglas Road to Mellows Road Bridge	761	0	Average Range	12.45 10.70 to 17.34
O'Connell Street to Finglas Road via Phibsborough	5575	2961	Average Range	17.89 15.62 to 22.05
Corridor Outbound Distance Parnell St to Finglas Rd	5077	2214	Average Range	11.43 9.93 to 12.89

Table 14c Lucan QBC

Lucan QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Pearse Street to Wellington Quay	640	167	Average Range	6.02 4.91 to 9.56
Wellington Quay to Merchants Quay	824	400	Average Range	21.66 14.83 to 34.50
Merchants Quay to Conyngham Rd	2222	640	Average Range	22.41 19.09 to 33.75
Merchants Quay to Heuston Station (Expresso)	1286	640	Average Range	24.75 19.87 to 33.07
Heuston Station to Con Colbert Road (Expresso)	1592	506	Average Range	30.32 26.29 to 35.81
Con Colbert Road to Palmerston (Expresso)	3935	3229	Average Range	62.13 62.13
Conyngham Rd to Palmerston	4801	996	Average Range	31.60 25.01 to 38.07
Palmerston to West of M50	1558	500	Average Range	31.69 28.76 to 38.15
West of M50 to Foxhunter	1967	756	Average Range	39.78 33.24 to 53.64
Foxhunter to Penny Hill Pub	1581	N/A	Average Range	17.19 17.19
Penny Hill Pub to Lucan Superquinn	4726	N/A	Average Range	19.38 18.12 to 21.78
Corridor Distance Via Bypass (Expresso)	11162	6031	Average Range	34.43 34.43
Corridor Distance Via Chapelizod	11372	3292	Average Range	27.64 23.83 to 32.67
Route Distance Via Chapelizod	18319	N/A	Average Range	20.71 17.93 to 24.33
Route Distance Via Bypass (Expresso)	18109	N/A	Average Range	23.22 23.22

Table 14d Malahide QBC

Malahide QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Talbot Street to North Strand	724	124	Average Range	7.14 5.57 to 8.38
North Strand to Fairview	1706	1706	Average Range	19.50 15.71 to 25.70
Fairview to Griffith Avenue	675	0	Average Range	16.31 9.84 to 24.06
Griffith Avenue to Collins Avenue	887	772	Average Range	21.43 14.92 to 35.89
Collins Avenue to Kilmore Road	955	158	Average Range	20.71 15.63 to 28.41
Kilmore Road to Greencastle Road	1440	911	Average Range	21.78 16.15 to 30.32
Greencastle Road to Priorswood Road (Direct)	997	687	Average Range	21.23 16.31 to 27.40
Greencastle Rd to Priorswood Road (Via Darndale)	4021	0	Average Range	20.86 19.56 to 22.17
Priorswood Road to Clare Hall	1289	1152	Average Range	15.95 10.77 to 31.15
Total Outbound Distance Talbot St to Clare Hall (D'dale)				
	11697	4823	Average Range	16.89 14.04 to 20.51
Total Outbound Distance Talbot St to Greencastle Rd				
	6387	3671	Average Range	15.43 12.30 to 18.38
Total Outbound Distance Nth Strand to Greencastle Rd				
	5663	3547	Average Range	20.01 16.88 to 24.21

Table 14e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900-2000 Outbound Km/h
Aston Quay to Bridge Street	1086	651	Average Range	21.96 19.26 to 27.34
Bridge Street to Cornmarket	316	0	Average Range	9.72 6.73 to 18.64
Cornmarket to James Street	796	711	Average Range	15.49 10.77 to 27.56
James Street to Emmet Road/Tyrconnell Road	2277	0	Average Range	21.80 18.09 to 25.94
Emmet Road/Tyrconnell Rd to Ballyfermot Rd/Kylemore Rd	2315	658	Average Range	25.49 23.41 to 29.76
Ballyfermot Rd/Kylemore Rd to Coldcut Road	2154	258	Average Range	17.87 16.43 to 21.84
Coldcut Road to Liffey Valley Centre	5912	1468	Average Range	23.01 18.67 to 27.60
Corridor Distance Aston Quay to Coldcut Road	8944	2278	Average Range	21.11 20.09 to 22.19
Outbound Distance Aston Quay to Tyrconnell Road	4475	1362	Average Range	18.80 16.69 to 22.04
Outbound Distance Aston Quay to Liffey Valley	14856	3746	Average Range	21.26 18.56 to 28.62

Table 14f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results				
Sectional Results - Bus Journey Speeds - November 2008				
Section	Distance Metres	Bus Lane Metres		1900-2000 Outbound Km/h
Parnell Square East to College Green	1188	591	Average Range	9.24 6.43 to 13.37
College Green to Bishop Street	943	291	Average Range	13.47 9.84 to 18.75
College Green to Dean Street	1290	0	Average Range	13.58 11.27 to 15.74
Dean Street to Canal	1070	0	Average Range	13.15 10.44 to 19.26
Bishop Street to Camden Street	293	0	Average Range	9.17 4.86 to 14.44
Camden Street to South Circular Road	958	160	Average Range	12.27 9.69 to 19.94
South Circular Road (Outbound Bus Lane)	247	247	Average Range	11.70 6.44 to 37.05
South Circular Road to Canal	427	0	Average Range	6.51 5.06 to 10.82
Canal to Leinster Road	749	447	Average Range	20.27 16.15 to 26.96
Leinster Road to Whitton Road	1240	0	Average Range	18.52 13.86 to 23.75
Whitton Road to Terenure Road North	174	174	Average Range	23.20 13.61 to 62.51
Terenure Road North to Rathfarnham Road	1287	0	Average Range	20.32 18.53 to 22.60
Rathfarnham Road to Butterfield Avenue	166	166	Average Range	15.73 11.07 to 42.75
Butterfield Avenue to Oakdown Road	1826	0	Average Range	23.31 20.04 to 30.16
Oakdown Road to Nutgrove Avenue Terminus	299	299	Average Range	46.84 41.43 to 56.59
College Green to Butterfield Avenue	6484	1485	Average Range	13.04 12.34 to 13.76

Table 14g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900-2000 Outbound Km/h
Parnell Square East to D'Olier Street	838	591	Average Range	7.13 5.17 to 9.58
D'Olier Street to Leeson Street	1526	462	Average Range	9.97 9.08 to 10.90
Leeson Street to Morehampton Road	1304	814	Average Range	10.89 9.72 to 13.77
Morehampton Road to Donnybrook	1202	447	Average Range	15.62 12.09 to 20.03
Donnybrook to Mount Merrion Avenue	3283	3215	Average Range	21.18 19.12 to 26.98
Mount Merrion Avenue to Foxrock Church (Off Peak)	Off Peak 3538	Off Peak 3153	Average Range	N/A N/A
Mount Merrion Avenue to Foxrock Church (Peak)	Peak 3367	Peak 3367	Average Range	19.09 14.04 to 27.45
Foxrock Church to Dun Laoghaire Station	5206	0	Average Range	20.71 17.57 to 28.01
Total Outbound Distance Peak D'Olier St to Dun Laoghaire	Peak 15888	Peak 8305	Average Range	20.02 16.62 to 26.25
Corridor Distance Peak Leeson St to Foxrock Church	Peak 9156	Peak 7843	Average Range	19.00 17.39 to 21.54
Corridor Distance Off Peak Leeson St to Foxrock Church	Off Peak 9327	Off Peak 7629	Average Range	N/A N/A
D'Olier St to Foxrock Church	Peak 10682	Peak 8305	Average Range	17.57 16.17 to 18.52
D'Olier St to Foxrock Church	Off Peak 10853	Off Peak 8091	Average Range	N/A N/A

Table 14h Swords QBC

Swords QBC Roadside Survey Results				
Sectional Results - Bus Journey Speeds - November 2008				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Lower Abbey Street to Dorset Street Lower	1497	352	Average Range	13.44 12.50 to 15.27
Dorset Street Lower to Botanic Avenue	909	909	Average Range	15.89 10.42 to 36.36
Botanic Avenue to Collins Avenue	1741	1131	Average Range	18.54 14.96 to 22.07
Collins Avenue to Omni Park	1298	0	Average Range	21.63 16.69 to 27.65
Omni Park to Airport South	3746	2500	Average Range	21.75 17.13 to 24.88
Airport South to Cloghran Rbt (Not Via Airport)	1360	1211	Average Range	23.43 21.29 to 27.50
Airport South to Cloghran Rbt (Via Airport)	2945	1274	Average Range	24.26 22.09 to 27.11
Cloghran Roundabout to Airside Business Park	1346	0	Average Range	30.28 27.69 to 52.68
Airside Business Park to Swords Main Street	1898	1242	Average Range	17.47 14.66 to 22.40
Swords Main Street to County Council Offices	282	0	Average Range	15.38 7.36 to 25.37
Total Outbound Distance Lwr Abbey St to Swords CC	Direct 14077	7345	Average Range	18.33 17.77 to 18.71
Total Outbound Distance Lwr Abbey St to Swords CC (A)	Via Airport 15662	7408	Average Range	21.17 20.83 to 21.53

Table 14i Tallaght QBC

Tallaght QBC Roadside Survey Results Sectional Results - Bus Journey Speeds - November 2008				
Section	Distance Metres	Bus Lane Metres		1900-2000 Outbound Km/h
Eden Quay to Dame Street	806	0	Average Range	9.21 6.17 to 14.09
Dame Street to Harcourt Road	1253	428	Average Range	10.39 7.96 to 12.74
Harcourt Road to Canal	748	131	Average Range	22.08 18.57 to 34.52
Canal to Leinster Road	595	134	Average Range	14.67 7.79 to 27.46
Leinster Road to Rathgar Road	357	52	Average Range	10.62 6.95 to 21.06
Rathgar Road to Terenure Road East	1410	228	Average Range	19.23 15.11 to 26.44
Terenure Road East to Rathdown Park	800	0	Average Range	20.00 17.45 to 26.67
Rathdown Park to Fortfield Road	596	0	Average Range	39.00 26.83 to 52.36
Fortfield Road to Oldbridge Road	1298	219	Average Range	20.95 17.97 to 29.03
Oldbridge Road to East of M50	1327	419	Average Range	31.02 26.10 to 37.91
East of M50 to West of M50	653	0	Average Range	39.18 28.66 to 54.64
West of M50 to Main Street Tallaght	1917	0	Average Range	26.04 25.75 to 26.34
Eden Quay to West of M50	9843	1611	Average Range	17.67 15.03 to 20.09

Table 14j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Camden Street Upper to O'Connell St Lwr via Camden St	1939	798	Average Range	8.33 7.89 to 9.04
Camden Street Upper to O'Connell St Lwr via Earlsfort Tce	2353	665	Average Range	11.06 9.05 to 16.42
O'Connell St Lwr to Parnell Square West	788	450	Average Range	9.27 6.77 to 16.49
Parnell Sq West to Dorset Street Upper/Granby Row	224	20	Average Range	16.13 5.89 to 53.76
Parnell Sq West to Phibsboro Rd/North Circular Rd	1456	713	Average Range	17.83 13.62 to 27.16
Phibsboro Rd/North Circular Rd to Prospect Rd	424	0	Average Range	8.21 6.18 to 11.22
Granby Row to Blessington Street	233	233	Average Range	11.49 5.52 to 29.94
Blessington St to Dorset St Lwr/Whitworth Rd	659	659	Average Range	8.99 4.67 to 18.40
Dorset Street Lwr/Whitworth to Prospect Rd	952	0	Average Range	13.28 10.11 to 23.80
Dorset St Lwr to Ballymun Rd/The Rise via Griffith Ave	3088	1380	Average Range	14.67 13.19 to 16.84
Prospect Road to Botanic Road/Glasnevin Hill	768	0	Average Range	14.86 12.62 to 18.43
Glasnevin Hill to Ballymun Road/The Rise	1354	0	Average Range	17.28 12.47 to 28.34
Ballymun Road/The Rise to Ballymun Shopping Centre	1751	1683	Average Range	18.54 15.92 to 24.15
Outbound O'Connell St to Ballymun via Whitworth Rd	6729	3045	Average Range	13.87 12.42 to 15.82
Outbound O'Connell St to Ballymun via Phibsboro	6541	2846	Average Range	13.06 13.06
Outbound O'Connell St to Ballymun via Griffith Ave	6743	4425	Average Range	12.37 11.95 to 13.04

Table 14k Bray QBC

Bray QBC Roadside Survey Results November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Foxrock Church to Cabinteely South	2243	2243	Average Range	40.17 34.66 to 54.55
Cabinteely South to Loughlinstown Roundabout	2552	2552	Average Range	27.68 23.75 to 33.54
Loughlinstown Roundabout to Shankill Village	1483	0	Average Range	23.84 19.41 to 29.99
Shankill Village to Wilford Roundabout	2120	0	Average Range	35.50 26.05 to 49.55
Wilford Roundabout to Upper Dargle Road	628	0	Average Range	16.38 12.49 to 25.99
Upper Dargle Road to Bray Main Street	450	196	Average Range	15.72 10.94 to 25.71
Total Outbound Distance Foxrock Church to Bray	9476	4991	Average Range	28.33 25.01 to 32.68
Total Outbound Distance Leeson Street to Bray	18632	12798	Average Range	23.22 21.05 to 25.68
Total Outbound Distance D'Olier Street to Bray	20158	13260	Average Range	20.92 19.34 to 23.16
Total Outbound Distance Parnell Square East to Bray	20996	13851	Average Range	18.53 17.26 to 19.65

Table 14I Clontarf Road QBC

Clontarf QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Lower Abbey Street to North Strand	763	0	Average Range	9.60 6.10 to 18.19
Amiens Street/North Strand to Fairview	1706	1706	Average Range	19.50 15.71 to 25.70
Fairview to Alfie Byrne Road	734	0	Average Range	15.45 11.85 to 21.31
Alfie Byrne Road to Castle Avenue	868	0	Average Range	20.69 15.32 to 30.33
Castle Avenue to Vernon Avenue	868	0	Average Range	41.66 33.97 to 48.09
Vernon Avenue to Clontarf Garage	419	0	Average Range	15.08 12.78 to 18.62
Outbound Fairview to Clontarf Garage	2889	0	Average Range	21.14 18.44 to 27.66
Outbound North Strand to Clontarf Garage	4595	1706	Average Range	19.86 17.82 to 25.06
Outbound Lwr Abbey Street to Clontarf Garage	5358	1706	Average Range	16.77 14.95 to 20.39

Table 14m Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Eden Quay to Amiens Street/North Strand	802	0	Average Range	10.89 8.72 to 12.83
Amiens Street/North Strand to Fairview	1706	1706	Average Range	19.50 15.71 to 25.70
Fairview to Copeland Avenue	610	0	Average Range	14.84 13.90 to 22.63
Copeland Avenue to Collins Avenue East	1241	0	Average Range	22.23 18.77 to 26.59
Collins Avenue East to Sybil Hill Road	1030	0	Average Range	21.19 17.82 to 28.52
Sybil Hill Road to Raheny via All Saints Road (29A)	2036	0	Average Range	N/A N/A
Sybil Hill Road to Raheny	1467	122	Average Range	26.27 22.86 to 29.02
Fairview to Raheny	4348	122	Average Range	22.88 21.07 to 24.08
Outbound North Strand to Raheny	6054	1828	Average Range	21.71 19.72 to 22.80
Outbound Eden Quay to Raheny	6856	1828	Average Range	19.71 17.59 to 20.76

Table 14n Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900 - 2000 Outbound Km/h
Ringsend Road to College Green	1723	984	Average Range	7.64 6.07 to 12.87
College Green to Dean Street	1290	118	Average Range	9.82 7.78 to 11.55
Dean Street to Dolphins Barn	1475	1379	Average Range	15.66 12.15 to 19.59
Dolphins Barn to St Marys Road	1900	377	Average Range	19.49 17.19 to 22.21
St Marys Road to Drimnagh Road	739	739	Average Range	18.22 12.04 to 29.23
Corridor Distance College Green to Drimnagh Road	5404	2613	Average Range	13.56 10.95 to 16.39
Outbound Distance Dean Street to Drimnagh Road	4114	2495	Average Range	16.72 13.66 to 19.88

Table 14o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900-2000 Outbound Km/h
O'Connell Street to Merrion Square	1608	525	Average Range	13.07 9.63 to 18.67
Merrion Square to Ballsbridge	1609	217	Average Range	18.04 14.06 to 21.06
Ballsbridge to Booterstown	3218	345	Average Range	21.86 18.24 to 34.48
Booterstown to Frascati Road	1277	1095	Average Range	26.42 22.53 to 45.53
Corridor Outbound Distance O'Connell St to Blackrock	7712	2182	Average Range	18.99 15.61 to 26.29

Table 14p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds				
Section	Distance Metres	Bus Lane Metres		1900-2000 Outbound Km/h
College Green to Dean Street	1290	118	Average Range	9.82 7.78 to 11.55
Dean Street to Dolphin's Barn	1475	1379	Average Range	15.66 12.15 to 19.59
Dolphin's Barn to St Mary's Road	1900	377	Average Range	19.49 17.19 to 22.21
St Mary's Road to Drimnagh Road	739	739	Average Range	18.22 12.04 to 29.23
Drimnagh Road to Naas Road	1620	1279	Average Range	24.61 21.36 to 33.14
Naas Road to Ninth Lock Road	3105	2483	Average Range	31.75 27.67 to 35.71
Ninth Lock Road to Nangor Road/Grangecastle	2778	2390	Average Range	25.38 18.80 to 32.36
College Green to Nangor Road/Grangecastle	12907	8765	Average Range	19.51 16.16 to 21.66

17 Sunday Reports

The scope of the 2008 surveys was widened to include the monitoring of selected sections of each QBC on Sundays. Bus lanes, other than a small number of 24-hour sections, are not currently operational on Sundays.

The Sunday survey points are shown in [Appendix 2](#).

Bus and car sectional journey times for each QBC for the Sunday surveys are shown in **Tables 15a to 15q**.

Tables 15a to 15i inclusive show the results for the 9 main radial QBCs.

Tables 15j to 15m inclusive show the results for those QBCs monitored for the first time in 2004, namely Ballymun QBC, Bray QBC incorporating the N11 extension from Foxrock to Loughlinstown, Clontarf QBC and Howth Road QBC.

Tables 15n to 15p inclusive show the results from Crumlin Road QBC and the 2 QBCs launched in 2007, namely Rock Road and South Clondalkin.

Table 15q specifically shows the results from selected city centre sections of the QBC network.

These tables should be looked at in conjunction with the bus speed **Tables 15a to 15q**, which give details of the length of each section and the length of bus priority. It should be noted, however, that bus lanes were not operational during the Sunday survey period.

Table 15a Blanchardstown QBC

Blanchardstown QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Ongar to Blanchardstown Road South via Town Centre	Average Range	26:16 20:14 to 32:37	N/A N/A	N/A N/A	N/A N/A
Blanchardstown Road South to New River Road	Average Range	14:27 11:20 to 18:30	N/A N/A	N/A N/A	N/A N/A
New River Road to Ratoath Road	Average Range	8:00 5:52 to 10:38	5:42 3:43 to 9:37	9:04 6:50 to 12:05	6:13 4:22 to 7:41
Ratoath Road to Manor Street	Average Range	4:27 2:59 to 6:28	3:36 2:34 to 4:18	4:47 2:48 to 6:08	4:09 2:37 to 7:12
Manor Street to Blackhall Place/Bridge	Average Range	2:33 1:20 to 4:58	N/A N/A	N/A N/A	N/A N/A
Blackhall Place to Capel Street	Average Range	4:43 2:15 to 8:55	N/A N/A	N/A N/A	N/A N/A
Capel Street to Westmoreland Street	Average Range	5:43 3:26 to 9:55	N/A N/A	N/A N/A	N/A N/A
Hawkins St to Merchants Quay/Winetavern St	Average Range	N/A N/A	N/A N/A	14:33 11:00 to 23:09	N/A N/A
Merchants Quay to Manor Street	Average Range	N/A N/A	N/A N/A	5:22 3:48 to 6:47	N/A N/A
New River Road to Blakestown Way via Town Centre	Average Range	N/A N/A	N/A N/A	12:51 11:19 to 15:30	N/A N/A
Blakestown Way to Ongar	Average Range	N/A N/A	N/A N/A	30:46 26:49 to 36:48	N/A N/A
New River Road to Westmoreland Street/Hawkins Street	Average Range	23:45 18:31 to 31:55	N/A N/A	32:39 29:15 to 35:42	N/A N/A

Table 15b Finglas QBC

Finglas QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Finglas to Prospect Road/Whitworth Rd	Average Range	7:39 3:01 to 9:45	6:31 4:59 to 7:37	6:06 4:52 to 9:03	N/A N/A
Whitworth Rd to Frederick St North	Average Range	5:58 4:48 to 8:05	N/A N/A	N/A N/A	N/A N/A
Frederick St North to Parnell Square East	Average Range	1:23 0:27 to 3:50	N/A N/A	N/A N/A	N/A N/A
Parnell Street to Whitworth Road/Prospect Rd	Average Range	N/A N/A	N/A N/A	8:41 5:50 to 12:56	N/A N/A
Finglas to Parnell Sq East/Parnell Street	Average Range	15:03 11:48 to 18:37	N/A N/A	14:28 12:53 to 18:22	N/A N/A

Table 15c Lucan QBC

Lucan QBC Roadside Survey Results - November 2008					
Sectional Results - Journey Times - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Foxhunter to Palmerston	Average Range	8:26 5:44 to 13:53	4:25 2:07 to 7:06	6:55 6:07 to 7:26	3:58 3:58
Palmerston to Conyngham Road	Average Range	7:20 5:06 to 9:44	6:05 4:58 to 7:59	8:46 6:38 to 11:08	N/A N/A
Heuston Station to Ellis Quay	Average Range	2:28 1:19 to 3:24	2:17 0:52 to 8:03	1:42 0:39 to 3:10	N/A N/A
Heuston Station to Westmoreland Street	Average Range	11:56 9:08 to 16:53	N/A N/A	10:45 8:01 to 14:20	N/A N/A
Conyngham Road to Parkgate Street	Average Range	2:25 1:22 to 4:03	1:26 0:54 to 1:58	N/A N/A	N/A N/A
Parkgate Street to Ellis Quay	Average Range	2:07 0:53 to 4:17	1:52 0:49 to 3:29	N/A N/A	N/A N/A
Ellis Quay to Arran Quay	Average Range	1:50 0:47 to 4:03	1:53 1:04 to 3:38	N/A N/A	N/A N/A
Arran Quay to Bachelors Walk	Average Range	8:46 3:13 to 15:31	4:17 2:08 to 9:08	N/A N/A	N/A N/A
Pearse Street to Wellington Quay	Average Range	N/A N/A	N/A N/A	8:38 4:10 to 12:17	N/A N/A
Wellington Quay to Merchants Quay	Average Range	N/A N/A	N/A N/A	2:50 1:43 to 5:43	1:59 1:59
Merchants Quay to Heuston Station	Average Range	N/A N/A	N/A N/A	3:00 2:11 to 4:47	2:22 2:21 to 2:22
Merchants Quay to Conyngham Road	Average Range	N/A N/A	N/A N/A	6:07 3:59 to 8:32	N/A N/A
Foxhunter to Bachelors Walk/ Wellington Q via Chapelizod	Average Range	30:08 22:22 to 39:11	N/A N/A	25:02 21:58 to 32:29	N/A N/A
Pearse Street to Foxhunter via Chapelizod	Average Range	N/A N/A	N/A N/A	33:44 29:07 to 40:46	N/A N/A

Table 15d Malahide QBC

Malahide QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Greencastle Road to Fairview	Average Range	10:58 8:28 to 14:40	8:21 6:39 to 10:16	11:33 9:02 to 13:45	8:50 7:27 to 10:12
Fairview to Amiens Street/North Strand	Average Range	5:06 3:12 to 6:46	3:58 2:52 to 4:51	4:37 3:02 to 6:44	2:46 1:58 to 3:33
Talbot Street to North Strand	Average Range	N/A N/A	N/A N/A	4:22 3:09 to 5:59	N/A N/A
Greencastle Road to Amiens Street/North Strand - Direct	Average Range	16:09 11:57 to 20:55	10:54 10:54	16:16 12:44 to 18:58	N/A N/A

Table 15e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Coldcut Road to Emmet Road	Average	12:50	14:48	13:16	N/A
	Range	9:58 to 17:00	8:49 to 20:48	11:12 to 16:43	N/A
Emmet Rd to Cornmarket	Average	12:18	6:46	N/A	N/A
	Range	7:19 to 22:36	5:49 to 7:24	N/A	N/A
Cornmarket to Westmoreland Street	Average	7:36	N/A	N/A	N/A
	Range	4:09 to 14:49	N/A	N/A	N/A
Aston Quay to Bridge Street	Average	N/A	N/A	3:37	N/A
	Range	N/A	N/A	2:13 to 6:10	N/A
Bridge Street to Emmet Road	Average	N/A	N/A	12:50	9:28
	Range	N/A	N/A	8:12 to 19:49	9:28
Coldcut Road to Westmoreland St/Aston Q	Average	32:49	N/A	32:37	N/A
	Range	26:36 to 43:19	N/A	28:45 to 39:21	N/A
Emmet Road to Westmoreland St/Aston Q	Average	18:47	N/A	16:24	N/A
	Range	11:40 to 31:50	N/A	12:12 to 22:38	N/A

Table 15f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Rathfarnham Road to Terenure Road East	Average Range	3:45 2:21 to 5:32	2:33 2:33	N/A N/A	N/A N/A
Terenure Road North to Butterfield Avenue	Average Range	N/A N/A	N/A N/A	5:02 4:08 to 5:50	4:18 4:18
Terenure Road East to Clanbrassil Street	Average Range	9:03 6:30 to 12:06	6:20 5:23 to 7:48	N/A N/A	N/A N/A
Canal to Terenure Road North	Average Range	N/A N/A	N/A N/A	6:39 5:41 to 8:07	5:46 4:07 to 7:25
Clanbrassil Street/Canal to Camden Street	Average Range	4:56 3:00 to 8:28	N/A N/A	7:50 5:48 to 10:04	3:26 3:26
Clanbrassil Street/Canal to Dean Street	Average Range	2:28 1:55 to 3:47	2:02 1:04 to 3:39	5:40 4:39 to 7:41	4:39 3:06 to 5:54
Dean St to Westmoreland St/College Green	Average Range	6:54 5:00 to 10:11	N/A N/A	6:43 5:03 to 7:46	N/A N/A
Camden St to W'land St/College Green	Average Range	7:33 4:47 to 11:10	N/A N/A	6:50 3:49 to 12:58	N/A N/A
Westmoreland Street to Parnell Square West	Average Range	6:04 3:04 to 11:06	N/A N/A	N/A N/A	N/A N/A
Parnell Square East to College Green	Average Range	N/A N/A	N/A N/A	6:17 4:06 to 9:10	N/A N/A
Rathfarnham to Westmoreland Street/College Green	Average Range	26:34 22:28 to 32:36	N/A N/A	27:09 24:06 to 31:04	N/A N/A

Table 15g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Dun Laoghaire Station to Foxrock Church	Average Range	18:01 12:47 to 23:40	N/A N/A	15:29 12:14 to 19:44	N/A N/A
Foxrock Church to Donnybrook	Average Range	16:01 11:49 to 22:14	9:37 9:37	19:36 14:59 to 25:34	10:19 10:17 to 10:21
Donnybrook to Leeson Street	Average Range	8:04 4:36 to 12:17	6:19 5:35 to 7:04	8:26 5:58 to 10:54	N/A N/A
Donnybrook to Leeson Street via Baggot St (10)	Average Range	10:37 8:01 to 14:16	N/A N/A	N/A N/A	N/A N/A
Leeson St to D'Olier/W'moreland Street	Average Range	6:26 4:15 to 8:34	N/A N/A	5:50 3:51 to 8:25	N/A N/A
Parnell Square East to D'Olier Street	Average Range	N/A N/A	N/A N/A	5:35 2:15 to 8:22	N/A N/A
Foxrock Church to Leeson Street	Average Range	24:33 19:25 to 33:18	15:04 13:17 to 16:52	28:06 21:48 to 35:58	N/A N/A
Foxrock Church to W'moreland/D'Olier St	Average Range	30:56 21:59 to 40:25	N/A N/A	34:18 28:02 to 40:37	N/A N/A
Dun Laoghaire to W'moreland/D'Olier St	Average Range	48:53 36:46 to 61:16	N/A N/A	51:20 45:14 to 58:11	N/A N/A

Table 15h Swords QBC

Swords QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
County Council to Swords Main Street	Average Range	2:13 1:19 to 3:18	1:31 0:13 to 2:33	1:24 0:31 to 3:23	2:40 2:40
Swords Main Str to Omni Park Direct	Average Range	24:57 15:26 to 34:12	N/A N/A	22:24 18:05 to 26:30	N/A N/A
Swords Main Str to Omni Park via Airport	Average Range	33:28 27:01 to 40:04	N/A N/A	24:52 22:19 to 28:22	N/A N/A
Omni Park to Richmond Road/Botanic Avenue	Average Range	8:47 6:21 to 12:07	N/A N/A	7:38 6:12 to 8:27	N/A N/A
Richmond Road to Frederick Street North	Average Range	6:09 3:33 to 8:30	N/A N/A	N/A N/A	N/A N/A
Frederick Street North to O'Connell St	Average Range	3:51 1:26 to 7:13	N/A N/A	N/A N/A	N/A N/A
Richmond Rd to O'Connell Street	Average Range	10:11 7:23 to 14:21	N/A N/A	N/A N/A	N/A N/A
Lwr Abbey St to Dorset St Lower/North Circular	Average Range	N/A N/A	N/A N/A	7:57 6:49 to 9:56	N/A N/A
Dorset St Lower/North Circular to Botanic Ave	Average Range	N/A N/A	N/A N/A	3:00 1:50 to 4:55	2:05 1:49 to 2:20
Swords Main Street to Lwr O'Connell St Direct	Average Range	46:39 37:15 to 56:02	N/A N/A	N/A N/A	N/A N/A
Swords Main Street to Lwr O'Connell St (Airport)	Average Range	54:19 47:13 to 62:35	N/A N/A	N/A N/A	N/A N/A
Lwr Abbey St to Swords Main Street Direct	Average Range	N/A N/A	N/A N/A	41:39 37:00 to 44:34	N/A N/A
Lwr Abbey St to Swords Main Street (Airport)	Average Range	N/A N/A	N/A N/A	44:44 39:55 to 50:20	N/A N/A

Table 15i Tallaght QBC

Tallaght QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
West M50 to Rathdown Park	Average Range	7:58 6:50 to 8:41	8:31 6:11 to 12:37	8:22 7:18 to 9:24	6:56 6:56
Rathdown Park to Terenure Road East	Average Range	4:25 1:57 to 7:47	N/A N/A	2:20 1:02 to 4:18	N/A N/A
Terenure Road East to Leinster Road	Average Range	6:02 3:50 to 9:08	3:37 3:37	6:32 4:11 to 8:32	N/A N/A
Leinster Road to Camden Street/Harcourt Road	Average Range	3:57 2:36 to 5:35	2:16 1:40 to 2:46	4:19 3:04 to 6:08	6:05 6:05
Dame Street to Harcourt Road	Average Range	N/A N/A	N/A N/A	6:57 4:38 to 9:12	6:30 6:30
Eden Quay to Harcourt Road via Camden Street	Average Range	N/A N/A	N/A	11:19 9:26 to 13:34	N/A N/A
Eden Quay to Harcourt Road via Earlsfort Terrace	Average Range	N/A N/A	N/A N/A	11:12 8:48 to 13:42	N/A N/A
Eden Quay to Dame Street	Average Range	N/A N/A	N/A N/A	4:15 1:26 to 5:47	N/A N/A
Camden Street to W'moreland St	Average Range	8:17 6:13 to 12:12	N/A N/A	N/A N/A	N/A N/A
Camden St to Westmoreland St via Earlsfort T'ce (15 series)	Average Range	9:29 7:03 to 13:47	N/A N/A	N/A N/A	N/A N/A
West of M50 to Westmoreland St/Eden Quay	Average Range	28:32 24:26 to 31:41	N/A N/A	33:00 30:12 to 34:56	N/A N/A
Rathdown Park to Westmoreland St/Eden Quay	Average Range	20:31 16:22 to 23:23	N/A N/A	23:50 20:27 to 26:47	N/A N/A
Rathdown Park to Westmoreland Street/Eden Quay via Earlsfort Terrace	Average Range	22:50 17:47 to 30:42	N/A N/A	24:48 21:00 to 28:15	N/A N/A

Table 15j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Civic Centre to Prospect Road	Average Range	10:42 6:39 to 15:51	6:44 6:44	11:05 8:43 to 15:09	10:40 10:40
Civic Centre to Frederick Street North via Griffith Avenue	Average Range	16:54 14:19 to 20:08	N/A N/A	N/A N/A	N/A N/A
Prospect Rd to Frederick Street North via Phibsboro	Average Range	8:07 5:19 to 11:05	N/A N/A	N/A N/A	N/A N/A
Prospect Rd to Frederick Street North via Whitworth Road	Average Range	5:58 4:48 to 8:05	N/A N/A	N/A N/A	N/A N/A
Frederick St North to Parnell Square East	Average Range	1:23 0:27 to 3:50	N/A N/A	N/A N/A	N/A N/A
Parnell Square East to O'Connell St Lwr	Average Range	3:04 1:39 to 5:38	N/A N/A	N/A N/A	N/A N/A
O'Connell St Lwr to South Great Georges St	Average Range	4:20 3:02 to 6:34	N/A N/A	N/A N/A	N/A N/A
Camden Street Upper to O'Connell St Lower via Earlsfort Terrace	Average Range	N/A N/A	N/A N/A	11:01 9:49 to 12:12	N/A N/A
Camden Street Upper to O'Connell St Lower via Camden Street	Average Range	N/A N/A	N/A N/A	10:02 7:21 to 13:43	N/A N/A
O'Connell St Lwr to Parnell Square West	Average Range	N/A N/A	N/A N/A	4:54 2:04 to 7:49	N/A N/A
Parnell Sq West to Prospect Road via Phibsboro	Average Range	N/A N/A	N/A N/A	7:38 5:21 to 10:15	N/A N/A
Parnell Sq West to Prospect Road via Whitworth Road	Average Range	N/A N/A	N/A N/A	7:05 5:57 to 8:10	N/A N/A
Parnell Sq West to Ballymun Shopping Centre via Griffith Ave	Average Range	N/A N/A	N/A N/A	17:50 16:22 to 19:17	N/A N/A
Ballymun to Lower O'Connell Street via Whitworth Road (13)	Average Range	21:58 17:35 to 28:45	N/A N/A	22:35 21:49 to 24:05	N/A N/A
Ballymun to Lower O'Connell Street via Phibsborough (4/4A)	Average Range	20:57 16:42 to 25:09	N/A N/A	22:48 20:50 to 25:22	N/A N/A
Ballymun to Lower O'Connell Street via Griffith Avenue (13A)	Average Range	22:15 20:26 to 25:45	N/A N/A	24:05 24:05	N/A N/A

Table 15k Bray QBC

Bray QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Bray Main Street to Foxrock Church	Average Range	21:01 15:05 to 36:31	12:20 11:50 to 12:50	19:41 18:43 to 21:17	16:36 16:36
Bray Main Street to Leeson Street	Average Range	43:38 38:02 to 49:32	N/A N/A	46:16 45:41 to 46:42	N/A N/A
Bray Main Street to W'moreland/ D'Olier St	Average Range	50:11 44:32 to 56:28	N/A N/A	52:48 52:02 to 53:33	N/A N/A
Parnell Square East to Bray	Average Range	N/A N/A	N/A N/A	59:45 58:03 to 60:47	N/A N/A

Table 151 Clontarf Road QBC

Clontarf QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Clontarf Garage to Fairview	Average	7:08	4:23	7:39	N/A
	Range	5:51 to 8:32	4:23	6:02 to 8:38	N/A
Clontarf Garage to Amiens St/Nth Strand	Average	11:24	N/A	12:52	N/A
	Range	8:27 to 15:39	N/A	10:54 to 14:31	N/A
Lwr Abbey Street North Strand	Average	N/A	N/A	4:31	N/A
	Range	N/A	N/A	3:11 to 6:30	N/A
Lwr Abbey Street to Clontarf Garage	Average	N/A	N/A	17:09	N/A
	Range	N/A	N/A	15:16 to 19:35	N/A

Table 15m Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Raheny to Fairview	Average Range	9:55 6:59 to 12:16	N/A N/A	10:59 9:15 to 12:50	7:52 7:51 to 7:53
Raheny to Fairview via All Saints Road	Average Range	14:09 11:55 to 16:02	N/A N/A	N/A N/A	N/A N/A
Eden Quay to North Strand	Average Range	N/A N/A	N/A N/A	4:52 2:45 to 8:27	N/A N/A
Raheny to Amiens Street/North Strand	Average Range	13:41 11:41 to 16:31	N/A N/A	15:28 12:31 to 18:01	N/A N/A
Raheny to Amiens Street/North Strand via All Saints Road	Average Range	18:35 16:50 to 19:40	N/A N/A	N/A N/A	N/A N/A
Eden Quay to Raheny	Average Range	N/A N/A	N/A N/A	19:38 15:16 to 23:31	N/A N/A

Table 15n Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Drimnagh Road to Dolphns Barn	Average Range	7:44 5:26 to 10:11	5:51 5:13 to 6:17	7:21 3:55 to 9:52	N/A N/A
Dolphins Barn to Dean Street	Average Range	4:19 1:48 to 6:20	2:42 1:35 to 3:42	4:34 2:42 to 5:55	N/A N/A
Dean Street to Westmoreland Street	Average Range	6:54 5:00 to 10:11	N/A N/A	N/A N/A	N/A N/A
College Green to Dean Street	Average Range	N/A N/A	N/A N/A	6:43 5:03 to 7:46	N/A N/A
Drimnagh Rd to W'moreland St/College Gn	Average Range	19:50 12:24 to 26:43	N/A N/A	19:29 12:17 to 23:41	N/A N/A

Table 15o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2008					
Sectional Results Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Frascati Road to Ballsbridge	Average Range	13:17 8:57 to 19:44	10:01 6:47 to 12:53	10:17 8:19 to 12:57	N/A N/A
Ballsbridge to Merrion Square	Average Range	6:11 3:50 to 9:28	5:02 4:01 to 6:18	5:23 3:56 to 8:21	N/A N/A
Merrion Square to O'Connell Street	Average Range	6:43 4:55 to 9:44	N/A N/A	5:09 3:49 to 9:01	N/A N/A
Blackrock to O'Connell Street	Average Range	27:11 21:23 to 35:02	N/A N/A	20:06 16:10 to 25:07	N/A N/A

Table 15p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2008					
Sectional Results - Sunday					
Section		1130 - 1530 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car
Nangor Rd/Grangecastle to Drimnagh Road	Average Range	15:48 11:29 to 19:46	11:54 11:54	15:23 13:49 to 16:56	N/A N/A
Drimnagh Road to Dolphin's Barn	Average Range	7:44 5:26 to 10:11	5:51 5:13 to 6:17	7:21 3:55 to 9:52	N/A N/A
Dolphins Barn to Dean Street	Average Range	4:19 1:48 to 6:20	2:42 1:35 to 3:42	4:34 2:42 to 5:55	N/A N/A
Dean Street to Bachelors Walk	Average Range	15:44 7:10 to 29:01	N/A N/A	N/A N/A	N/A N/A
College Green to Dean Street	Average Range	N/A N/A	N/A N/A	6:43 5:03 to 7:46	N/A N/A
Grangecastle to Bachelors Walk/College Green	Average Range	44:38 28:59 to 61:23	N/A N/A	39:13 39:13	N/A N/A

Table 15q City Centre

City Centre Roadside Survey Results November 2008							
Sectional Results - Sunday							
Section		1130 - 1530 Inbound		1530 - 2000 Inbound		1700 - 1900 Outbound	
		Bus	Car	Bus	Car	Bus	Car
Leeson St to Westmoreland Street/D'Olier Street	Average	6:26	N/A	5:49	N/A	5:50	N/A
	Range	4:15 to 8:34	N/A	3:18 to 8:36	N/A	3:51 to 8:25	N/A
Merrion Square to Westmoreland Street/D'Olier Street	Average	6:43	N/A	7:43	N/A	5:09	N/A
	Range	4:55 to 9:44	N/A	4:50 to 12:31	N/A	3:49 to 9:01	N/A
Camden St Upper to Westmoreland Street/Eden Quay via Camden Street	Average	8:17	N/A	9:17	N/A	10:53	N/A
	Range	6:13 to 12:12	N/A	4:42 to 15:39	N/A	6:39 to 14:26	N/A
Camden St Upper to Westmoreland St/Eden Quay via Earsfort Terrace	Average	9:29	N/A	8:26	N/A	11:12	N/A
	Range	7:03 to 13:47	N/A	6:08 to 13:08	N/A	8:48 to 13:42	N/A
Dean Street to Westmoreland Street/College Green	Average	6:54	N/A	6:19	N/A	6:43	N/A
	Range	5:00 to 10:11	N/A	3:45 to 8:21	N/A	5:03 to 7:46	N/A
Blackhall Place to Capel Street	Average	4:43	N/A	3:58	N/A	N/A	N/A
	Range	2:15 to 8:55	N/A	2:43 to 5:23	N/A	N/A	N/A
Capel Street to Westmoreland Street	Average	5:43	N/A	5:38	N/A	N/A	N/A
	Range	3:26 to 9:55	N/A	3:13 to 7:50	N/A	N/A	N/A
Dean Street to Bachelors Walk	Average	15:44	N/A	6:11	N/A	N/A	N/A
	Range	7:10 to 29:01	N/A	5:00 to 7:32	N/A	N/A	N/A
Heuston Station to Westmoreland Street	Average	11:56	N/A	10:45	N/A	N/A	N/A
	Range	9:08 to 16:53	N/A	8:01 to 14:20	N/A	N/A	N/A
Parkgate Street to Ellis Quay	Average	2:07	1:52	1:32	3:03	N/A	N/A
	Range	0:53 to 4:17	0:49 to 3:29	0:45 to 3:12	1:39 to 4:35	N/A	N/A
Heuston Station to Ellis Quay	Average	2:28	2:17	1:46	2:17	N/A	N/A
	Range	1:19 to 3:24	0:52 to 8:03	0:39 to 3:10	0:38 to 4:21	N/A	N/A
Ellis Quay to Arran Quay	Average	1:50	1:53	2:03	2:14	N/A	N/A
	Range	0:47 to 4:03	1:04 to 3:38	1:03 to 3:27	1:30 to 3:54	N/A	N/A
Arran Quay to Bachelors Walk	Average	8:46	4:17	4:33	3:38	N/A	N/A
	Range	3:13 to 15:31	2:08 to 9:08	2:06 to 6:20	2:30 to 5:47	N/A	N/A
Arran Quay to Westmoreland Street	Average	8:32	N/A	7:51	N/A	N/A	N/A
	Range	6:24 to 14:52	N/A	4:40 to 10:36	N/A	N/A	N/A
Hawkins Street to Merchants Quay	Average	N/A	N/A	N/A	N/A	14:33	N/A
	Range	N/A	N/A	N/A	N/A	11:00 to 23:09	N/A
Merchants Quay to Manor Street	Average	N/A	N/A	N/A	N/A	5:22	N/A
	Range	N/A	N/A	N/A	N/A	3:48 to 6:47	N/A
Pearse Street to Wellington Quay	Average	N/A	N/A	N/A	N/A	8:38	N/A
	Range	N/A	N/A	N/A	N/A	4:10 to 12:17	N/A
Wellington Quay to Merchants Quay	Average	N/A	N/A	N/A	N/A	2:50	1:59
	Range	N/A	N/A	N/A	N/A	1:43 to 5:43	1:59
Merchants Quay to Heuston Station	Average	N/A	N/A	N/A	N/A	3:00	2:22
	Range	N/A	N/A	N/A	N/A	2:11 to 4:47	2:21 to 2:22
Parnell Square East to D'Olier Street	Average	N/A	N/A	N/A	N/A	5:35	N/A
	Range	N/A	N/A	N/A	N/A	2:15 to 8:22	N/A

17.1 1900-2000 Sectional Bus Speeds

The data used to compile the sectional bus journey times shown in [Section 17](#) is used to convert time to speed.

The results for each QBC for all the time periods surveyed are shown in **Tables 16a to 16p**. Although the tables show bus lane metres for all sections, these were not operational in the Sunday survey period.

Tables 16a to 16i inclusive show the results for the 9 main radial QBCs.

Tables 16j to 16m inclusive show the results for those QBCs monitored for the first time in 2004, namely Ballymun QBC, Bray QBC incorporating the N11 extension from Foxrock to Loughlinstown, Clontarf QBC and Howth Road QBC.

Tables 16n to 16p inclusive show the results from Crumlin Road QBC and the 2 QBCs launched in 2007, namely Rock Road and South Clondalkin.

Table 16q specifically shows the results from selected city centre sections of the QBC network.

These tables should be looked at in conjunction with the **Tables 15a to 15q** for bus and car journey times.

Each table is colour coded as follows:

- **Yellow** denotes those sections where average speed is less than 5 kilometres per hour which effectively is walking speed
- **Blue** denotes those sections where average speed is greater than 5 but less than 10 kilometres per hour
- **Green** denotes those sections where average speed is greater than 10 but less than the minimum QBC specification speed (ie 20 kilometres per hour less 12% boarding and alighting time)

White denotes those sections that exceed the QBC specification

Table 16a Blanchardstown QBC

Blanchardstown QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Ongar to B'town Rd Sth via Town Centre	9436	1448	Average Range	21.55 17.36 to 27.98
Blanchardstown Road South to New River Road	4910	1148	Average Range	20.39 15.92 to 25.99
New River Road to Ratoath Road	4353	4003	Average Range	32.65 24.56 to 44.52
Ratoath Road to Manor Street	1500	120	Average Range	20.22 13.92 to 30.17
Manor Street to Blackhall Place	658	617	Average Range	15.48 7.95 to 29.62
Blackhall Place to Ormond Quay	1001	445	Average Range	12.73 6.73 to 26.69
Ormond Quay to Westmoreland Street	844	221	Average Range	8.86 5.11 to 14.75
Total Inbound Distance Ongar to Westmoreland Street	22702	8002	Average Range	20.71 15.89 to 25.88
Total Inbound Distance B'town Rd S to Westmoreland Street	13266	6554	Average Range	20.29 15.79 to 25.35
Total Inbound Distance New River Road to Westmoreland Street	8356	5406	Average Range	21.38 15.89 to 27.38
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Hawkins Street to Merchants Quay	1416	0	Average Range	5.84 3.67 to 7.72
Merchants Quay to Manor Street	1444	681	Average Range	16.14 12.77 to 22.80
Manor Street to Ratoath Road	1459	0	Average Range	18.30 14.27 to 31.26
Ratoath Road to New River Road	4376	1432	Average Range	28.96 21.73 to 38.42
New River Road to Blakestown Way via Town Centre	6502	671	Average Range	30.36 25.17 to 34.47
Blakestown Way to Ongar	7955	1633	Average Range	15.51 12.97 to 17.80
Total Outbound Distance Hawkins Street to New River Road	8695	2113	Average Range	15.98 14.61 to 17.84
Total Outbound Distance Hawkins Street to Blakestown Way	15197	2784	Average Range	19.41 17.81 to 20.65
Total Outbound Distance Hawkins Street to Ongar	23152	4417	Average Range	18.35 16.94 to 19.57

Table 16b Finglas QBC

Finglas QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Finglas Road to Prospect Road/Whitworth Road	3222	2978	Average Range	25.27 20.46 to 64.08
Prospect Road/Whitworth Road to Frederick St North	1660	720	Average Range	16.69 12.32 to 20.75
Frederick Street North to Parnell Square East	390	390	Average Range	16.92 6.92 to 52.00
Corridor Inbound Distance Finglas Rd to Parnell Sq E				
	5272	4088	Average Range	21.02 16.99 to 26.81
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Parnell Street to Whitworth Road/Prospect Road	2170	396	Average Range	14.99 10.07 to 22.32
Prospect Road to Finglas Road	2907	1818	Average Range	28.59 19.27 to 35.84
Corridor Outbound Distance Parnell St to Finglas Rd				
	5077	2214	Average Range	21.06 16.58 to 23.64

Table 16c Lucan QBC

Lucan QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Foxhunter to Palmerston	3621	2416	Average Range	25.76 15.65 to 37.90
Palmerston to Conyngham Rd (via Chapelizod)	4347	540	Average Range	35.57 26.80 to 51.14
Conyngham Rd to Parkgate St	951	674	Average Range	23.61 14.09 to 41.74
Heuston Station to Ellis Quay	785	785	Average Range	19.09 13.85 to 35.76
Parkgate St to Ellis Quay	595	595	Average Range	16.86 8.33 to 40.43
Ellis Quay to Arran Quay	497	497	Average Range	16.27 7.36 to 38.08
Arran Quay to Bachelors Walk	1067	936	Average Range	7.30 4.13 to 19.90
Foxhunter to Bachelors Walk Via Chapelizod	11078	5658	Average Range	22.06 16.96 to 29.72
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Pearse Street to Wellington Quay	640	167	Average Range	4.45 3.13 to 9.21
Wellington Quay to Merchants Quay	824	400	Average Range	17.45 8.65 to 28.79
Merchants Quay to Conyngham Rd	2222	640	Average Range	21.79 15.62 to 33.47
Merchants Quay to Heuston Station	1286	640	Average Range	25.72 16.13 to 35.34
Conyngham Rd to Palmerston	4801	996	Average Range	32.86 25.87 to 43.43
Palmerston to Foxhunter	3525	1256	Average Range	30.58 28.45 to 34.58
Pearse Street to Foxhunter Via Chapelizod	12012	3459	Average Range	21.36 17.68 to 24.75
Wellington Quay to Foxhunter Via Chapelizod	11372	3292	Average Range	27.26 21.00 to 31.04

Table 16d Malahide QBC

Malahide QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Greencastle Road to Fairview	3804	2653	Average Range	20.81 15.56 to 26.96
Fairview to Amiens Street	1897	1529	Average Range	22.32 16.82 to 35.57
Total Inbound Distance Greencastle Rd to Amiens St	5701	4182	Average Range	21.18 16.35 to 28.62
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Talbot Street to North Strand	724	124	Average Range	9.95 7.26 to 13.79
North Strand to Fairview	1706	1706	Average Range	22.17 15.20 to 33.75
Fairview to Greencastle Road	3957	1841	Average Range	20.55 17.27 to 26.28
Total Outbound Distance Talbot St to Greencastle Rd	6387	3671	Average Range	18.32 15.36 to 23.65
Total Outbound Distance Nth Strand to Greencastle Rd	5663	3547	Average Range	20.78 17.91 to 26.68

Table 16e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Coldcut Road to Emmet Road/Tyrconnell Road	4492	1109	Average Range	21.00 15.85 to 27.04
Emmet Rd/Tyrconnell Rd to Cornmarket	3069	1333	Average Range	14.97 8.15 to 25.17
Cornmarket to Westmoreland Street	1365	197	Average Range	10.78 5.53 to 19.73
Corridor Distance Coldcut Rd to Westmoreland St	8926	2639	Average Range	16.32 12.36 to 20.13
Inbound Distance Emmet Rd to W'moreland St	4434	1530	Average Range	14.16 8.36 to 22.80
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Aston Quay to Bridge Street	1086	651	Average Range	18.01 10.57 to 29.39
Bridge Street to Emmet Road/Tyrconnell Road	3389	711	Average Range	15.84 10.26 to 24.80
Emmet Road/Tyrconnell Rd to Coldcut Road	4469	916	Average Range	20.21 16.04 to 23.94
Corridor Distance Aston Quay to Coldcut Road	8944	2278	Average Range	16.45 13.64 to 18.67
Outbound Distance Aston Quay to Tyrconnell Road	4475	1362	Average Range	16.37 11.86 to 22.01

Table 16f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results				
Sectional Results - Bus Journey Speeds - November 2008 - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Rathfarnham Road to Terenure Road East	1036	525	Average Range	16.58 11.23 to 26.45
Terenure Road East to Clanbrassil Street	2586	1262	Average Range	17.14 12.82 to 23.87
Clanbrassil Street to Camden Street	1255	532	Average Range	15.26 8.89 to 25.10
Clanbrassil Street to Dean Street	818	0	Average Range	19.89 12.97 to 25.60
Dean Street to Westmoreland Street	1425	197	Average Range	12.39 8.40 to 17.10
Camden Street to Westmoreland Street	1220	514	Average Range	9.69 6.55 to 15.30
Westmoreland Street to Parnell Square West	1056	450	Average Range	10.44 5.71 to 20.66
Total Inbound Rathfarnham to W'land St	6097	2833	Average Range	13.77 11.22 to 16.28
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Parnell Square East to College Green	1188	591	Average Range	11.34 7.78 to 17.38
College Green to Camden Street	1236	291	Average Range	10.85 5.72 to 19.43
College Green to Dean Street	1290	0	Average Range	11.52 9.96 to 15.53
Dean Street to Canal	1070	0	Average Range	11.33 8.36 to 13.81
Camden Street to Canal	1632	407	Average Range	12.50 9.73 to 16.88
Canal to Terenure Road North	2163	621	Average Range	19.52 15.99 to 22.84
Terenure Road North to Butterfield Avenue	1453	166	Average Range	17.32 14.95 to 21.09
College Green to Butterfield Avenue	6484	1485	Average Range	14.33 12.53 to 16.17

Table 16g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Dun Laoghaire Station to Foxrock Church	5539	0	Average Range	18.45 14.04 to 26.00
Foxrock Church to Donnybrook	6796	6301	Average Range	25.43 18.34 to 34.51
Donnybrook to Leeson Street	2525	1787	Average Range	18.78 12.33 to 32.93
Leeson Street to Westmoreland Street	1551	570	Average Range	14.47 10.86 to 21.90
Total Inbound Distance Dun Laoghaire to Westmoreland St	16411	8658	Average Range	20.14 16.07 to 26.78
Corridor Distance Foxrock Church to Leeson St	9321	8088	Average Range	22.78 16.79 to 28.80
Foxrock Church to Westmoreland St	10872	8658	Average Range	21.09 16.14 to 29.67
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Parnell Square East to D'Olier Street	838	591	Average Range	9.01 6.01 to 22.35
D'Olier Street to Leeson Street	1526	462	Average Range	15.70 10.88 to 23.78
Leeson Street to Donnybrook	2506	1261	Average Range	17.83 13.79 to 25.20
Donnybrook to Foxrock Church	6821	6368	Average Range	20.88 16.15 to 27.31
Foxrock Church to Dun Laoghaire Station	5206	0	Average Range	20.17 15.83 to 25.53
Parnell Square East to Dun Laoghaire	16897	8682	Average Range	18.80 17.39 to 20.47
Corridor Distance Peak Leeson St to Foxrock Church	9327	7629	Average Range	19.94 15.56 to 25.67
D'Olier St to Foxrock Church	10853	8091	Average Range	18.98 16.03 to 23.23

Table 16h Swords QBC

Swords QBC Roadside Survey Results				
Sectional Results - Bus Journey Speeds - November 2008 - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
County Council Offices to Swords Main Street	282	0	Average Range	7.63 5.13 to 12.85
Swords Main Street to Omni Park via Airport	10981	6241	Average Range	19.69 16.44 to 24.39
Swords Main Street to Omni Park (Not via Airport)	8483	5547	Average Range	20.40 14.88 to 32.98
Omni Park to Richmond Road	2955	2369	Average Range	20.19 14.63 to 27.92
Richmond Rd to Frederick Street North	1645	1307	Average Range	16.05 11.61 to 27.30
Frederick Street North to O'Connell Street	796	796	Average Range	12.40 6.62 to 33.77
Richmond Rd to O'Connell Street	2441	2103	Average Range	14.38 10.21 to 19.84
Total Inbound Distance Swords CC to O'Connell St	Direct 14161	10019	Average Range	18.21 15.16 to 22.81
Total Inbound Distance Swords CC to O'Connell St	Via Airport 16659	10713	Average Range	18.40 15.97 to 21.17
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Lower Abbey Street to Dorset Street Lower	1497	352	Average Range	11.30 9.04 to 13.18
Dorset Street Lower to Botanic Avenue	909	909	Average Range	18.18 11.09 to 29.75
Botanic Avenue to Omni Park	3039	1131	Average Range	23.89 21.58 to 29.41
Omni Park to Swords Main Street via Airport	9935	5016	Average Range	23.97 21.01 to 26.71
Omni Park to Swords Main Street (Not via Airport)	8350	4953	Average Range	22.37 18.91 to 27.71
Swords Main Street to County Council Offices	282	0	Average Range	12.09 5.24 to 54.58
Total Outbound Distance Lwr Abbey St to Swords CC	Direct 14077	7345	Average Range	20.41 18.95 to 22.83
Total Outbound Distance Lwr Abbey St to Swords CC (A)	Via Airport 15662	7408	Average Range	21.01 18.67 to 23.54

Table 16i Tallaght QBC

Tallaght QBC Roadside Survey Results				
Sectional Results - Bus Journey Speeds - November 2008 - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
West of M50 to Rathdown Park	3892	1926	Average Range	29.31 26.89 to 34.17
Rathdown Park to Terenure Road East	806	0	Average Range	10.95 6.21 to 24.80
Terenure Road East to Leinster Road	1751	1082	Average Range	17.41 11.50 to 27.41
Leinster Road to Camden Street Upper	1024	400	Average Range	15.55 11.00 to 23.63
Camden Street Upper to Westmoreland Street	1580	798	Average Range	11.44 7.77 to 15.25
Camden St Upr to W'moreland St via Earlsfort Tce (15 Series)	2085	1235	Average Range	13.19 9.08 to 17.74
West of M50 to W'moreland St	9053	4206	Average Range	19.04 17.14 to 22.23
Rathdown Park to W'moreland Street via Camden Street	5161	2280	Average Range	15.09 13.24 to 18.92
Rathdown Park to W'moreland Street via Earlsfort Terrace	5666	2717	Average Range	14.89 11.07 to 19.12
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Eden Quay to Dame Street	806	0	Average Range	11.65 8.36 to 33.75
Dame Street to Harcourt Road	1253	428	Average Range	10.82 8.17 to 16.23
Harcourt Road to Leinster Road	1343	265	Average Range	18.67 13.14 to 26.27
Leinster Road to Terenure Road East	1767	280	Average Range	16.23 12.42 to 25.34
Terenure Road East to Rathdown Park	800	0	Average Range	20.57 11.16 to 46.47
Rathdown Park to West of M50	3874	638	Average Range	27.78 24.73 to 31.84
Eden Quay to West of M50	9843	1611	Average Range	17.90 16.91 to 19.56
Eden Quay to Rathdown Park	5969	973	Average Range	15.03 13.37 to 17.51

Table 16j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sundays				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Ballymun Civic Centre to Prospect Road/Whitworth Rd	3675	2861	Average Range	20.61 13.91 to 33.16
Ballymun Civic Centre to Frederick St N via Griffith Avenue	5519	3538	Average Range	19.59 16.45 to 23.13
Prospect Rd/Whitworth Rd to Frederick St N via Phibsboro	1931	157	Average Range	14.27 10.45 to 21.79
Prospect Rd/Whitworth Rd to Frederick St N via Whitworth Rd	1660	720	Average Range	16.69 12.32 to 20.75
Frederick Street North to Parnell Square East	390	390	Average Range	16.92 6.92 to 52.00
Parnell Square East to Lwr O'Connell Street	591	591	Average Range	11.56 6.29 to 21.49
Lwr O'Connell Street to South Great Georges Street	883	0	Average Range	12.23 8.07 to 17.47
Inbound Ballymun to Lwr O'Connell St via Whitworth Rd	6316	4562	Average Range	17.25 13.18 to 21.55
Inbound Ballymun to Lwr O'Connell St via Phibsboro	6587	3999	Average Range	18.86 15.71 to 23.67
Inbound Ballymun to Lwr O'Connell St via Griffith Ave	6500	4519	Average Range	17.53 15.14 to 19.09
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Camden Street Upper to O'Connell St Lwr via Camden St	1939	798	Average Range	11.59 8.48 to 15.83
Camden Street Upper to O'Connell St Lwr via Earlsfort Tce	2353	665	Average Range	12.81 11.57 to 14.38
O'Connell St Lwr to Parnell Square West	788	450	Average Range	9.65 6.05 to 22.87
Parnell Square West to Prospect Rd via Phibsboro	1880	693	Average Range	14.78 11.00 to 21.08
Parnell Square West to Prospect Rd via Whitworth Road	2068	659	Average Range	17.52 15.19 to 20.85
Parnell Square West to Ballymun Shopping Centre via Griffith Ave	5955	2813	Average Range	20.04 18.53 to 21.83
Prospect Road to Ballymun Shopping Centre	3873	1683	Average Range	20.97 15.34 to 26.66
Outbound O'Connell St to Ballymun via Whitworth Rd	6729	2792	Average Range	17.88 16.76 to 18.51
Outbound O'Connell St to Ballymun via Phibsboro	6541	2826	Average Range	17.21 15.47 to 18.84
Outbound O'Connell St to Ballymun via Griffith Ave	6743	3263	Average Range	16.80 16.80

Table 16k Bray QBC

Bray QBC Roadside Survey Results November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Bray Main Street to Foxrock Church	9525	4898	Average Range	27.19 15.65 to 37.89
Bray Main Street to Leeson Street	18710	13162	Average Range	25.73 22.66 to 29.52
Bray Main Street to Westmoreland Street	20261	13732	Average Range	24.22 21.53 to 27.30
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Foxrock Church to Bray Main Street	9476	4991	Average Range	28.89 26.71 to 30.38
Total Outbound Distance Leeson Street to Bray	18632	12798	Average Range	24.16 23.94 to 24.47
Total Outbound Distance D'Olier Street to Bray	20158	13260	Average Range	22.91 22.59 to 23.24
Total Outbound Distance Parnell Square East to Bray	20996	13851	Average Range	21.08 20.73 to 21.70

Table 16l Clontarf Road QBC

Clontarf QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Clontarf Garage to Fairview	2743	2743	Average Range	23.07 19.29 to 28.13
Inbound Clontarf Garage to Amiens Street	4640	4272	Average Range	24.42 17.79 to 32.95
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Lower Abbey Street to North Strand	763	0	Average Range	10.13 7.04 to 14.38
Amiens Street/North Strand to Fairview	1706	1706	Average Range	22.17 15.20 to 33.75
Fairview to Clontarf Garage	2889	0	Average Range	22.66 20.08 to 28.73
Outbound North Strand to Clontarf Garage	4595	1706	Average Range	21.43 18.99 to 26.16
Outbound Lwr Abbey Street to Clontarf Garage	5358	1706	Average Range	18.74 16.42 to 21.06

Table 16m Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Raheny to Fairview	4154	2339	Average Range	25.13 20.32 to 35.69
Raheny to Fairview via All Saints Road (29A)	4661	N/A	Average Range	19.76 17.44 to 23.47
Inbound Raheny to Amiens Street	6051	3868	Average Range	26.53 21.98 to 31.07
Inbound Raheny to Amiens St via All Saints Road (29A)	6558	N/A	Average Range	21.17 20.01 to 23.37
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
Eden Quay to Amiens Street/North Strand	802	0	Average Range	9.89 5.69 to 17.50
Amiens Street/North Strand to Fairview	1706	1706	Average Range	22.17 15.20 to 33.75
Fairview to Raheny	4348	122	Average Range	23.75 20.33 to 28.20
Outbound North Strand to Raheny	6054	1828	Average Range	23.48 20.16 to 29.02
Outbound Eden Quay to Raheny	6856	1828	Average Range	20.95 17.49 to 26.94

Table 16n Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Drimnagh Road to Dolphins Barn	2640	1588	Average Range	20.48 15.55 to 29.15
Dolphins Barn to Dean Street	1474	1287	Average Range	20.49 13.96 to 49.13
Dean Street to Westmoreland Street	1425	197	Average Range	12.39 8.40 to 17.10
Corridor Distance Drimnagh Rd to Westmoreland St	5539	3072	Average Range	16.76 12.44 to 26.80
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
College Green to Dean Street	1290	118	Average Range	11.52 9.96 to 15.53
Dean Street to Dolphins Barn	1475	1379	Average Range	19.38 14.96 to 32.78
Dolphins Barn to Drimnagh Road	2639	1116	Average Range	21.54 16.05 to 40.42
Corridor Distance College Green to Drimnagh Road	5404	2613	Average Range	16.64 13.69 to 26.40

Table 16o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Frascati Road to Ballsbridge	4477	3183	Average Range	20.22 13.61 to 30.01
Ballsbridge to Merrion Square	1664	916	Average Range	16.15 10.55 to 26.05
Merrion Square to Westmoreland Street	2124	906	Average Range	18.97 13.09 to 25.92
Total Inbound Blackrock to O'Connell Street				
	8265	5005	Average Range	18.29 14.15 to 23.19
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
D'Olier Street to Merrion Square	1608	525	Average Range	18.73 10.70 to 25.28
Merrion Square to Ballsbridge	1609	217	Average Range	17.93 11.56 to 24.55
Ballsbridge to Frascati Road	4495	1440	Average Range	26.23 20.83 to 32.43
Corridor Outbound Distance D'Olier St to Blackrock				
	7712	2182	Average Range	23.02 18.42 to 28.62

Table 16p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2008				
Sectional Results - Bus Journey Speeds - Sunday				
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h
Nangor Road/Grangecastle to Drimnagh Road	7391	5749	Average Range	28.07 22.43 to 38.62
Drimnagh Road to Dolphin's Barn	2640	1588	Average Range	20.48 15.55 to 29.15
Dolphin's Barn to Dean Street	1474	1287	Average Range	20.49 13.96 to 49.13
Dean Street to Bachelors Walk	1534	767	Average Range	5.85 3.17 to 12.84
Nangor Road/Grangecastle to Bachelors Walk	13039	9391	Average Range	17.53 12.74 to 26.99
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h
College Green to Dean Street	1290	118	Average Range	11.52 9.96 to 15.53
Dean Street to Dolphin's Barn	1475	1379	Average Range	19.38 14.96 to 32.78
Dolphin's Barn to Drimnagh Road	2639	1116	Average Range	21.54 16.05 to 40.42
Drimnagh Road to Nangor Road/Grangecastle	7503	6152	Average Range	29.26 26.58 to 32.58
College Green to Nangor Road/Grangecastle	12907	8765	Average Range	19.75 19.75

Table 16q City Centre

City Centre Roadside Survey Results November 2008					
Sectional Results - Bus Journey Speeds - Sunday					
Section	Distance Metres	Bus Lane Metres		1130 - 1530 Inbound Km/h	1530 - 2000 Inbound Km/h
Leeson Street to Westmoreland Street	1551	570	Average Range	14.47 10.86 to 21.90	16.00 10.82 to 28.20
Merrion Square to Westmoreland Street	2124	906	Average Range	18.97 13.09 to 25.92	16.51 10.18 to 26.37
Camden Street Upper to Westmoreland Street via Camden Street	1580	798	Average Range	11.44 7.77 to 15.25	10.21 6.06 to 20.17
Camden Street Upper to Westmoreland Street via Earlsfort Terrace	2085	1235	Average Range	13.19 9.08 to 17.74	14.83 9.53 to 20.40
Dean Street to Westmoreland Street	1425	197	Average Range	12.39 8.40 to 17.10	13.53 10.24 to 22.80
Blackhall Place to Capel Street	1001	445	Average Range	12.73 6.73 to 26.69	15.14 11.16 to 22.10
Capel Street to Westmoreland Street	844	221	Average Range	8.86 5.11 to 14.75	8.99 6.46 to 15.74
Dean Street to Bachelors Walk	1534	767	Average Range	5.85 3.17 to 12.84	14.89 12.22 to 18.41
Heuston Station to Ellis Quay	785	785	Average Range	19.09 13.85 to 35.76	27.71 14.87 to 72.46
Parkgate Street to Ellis Quay	595	595	Average Range	16.86 8.33 to 40.43	23.29 11.44 to 47.60
Ellis Quay to Arran Quay	497	497	Average Range	16.27 7.36 to 38.08	14.55 8.64 to 28.40
Arran Quay to Bachelors Walk	1067	936	Average Range	7.30 4.13 to 19.90	14.07 10.11 to 30.49
Section	Distance Metres	Bus Lane Metres		1700 - 1900 Outbound Km/h	
Hawkins Street to Merchants Quay	1416	0	Average Range	5.84 3.67 to 7.72	
Merchants Quay to Manor Street	1444	681	Average Range	16.14 12.77 to 22.80	
Pearse Street to Wellington Quay	640	167	Average Range	4.45 3.13 to 9.21	
Wellington Quay to Merchants Quay	824	400	Average Range	17.45 8.65 to 28.79	
Merchants Quay to Heuston Station	1286	640	Average Range	25.72 16.13 to 31.92	
Parnell Square East to D'Olier St	838	591	Average Range	9.01 6.01 to 22.35	
D'Olier St to Leeson Street	1526	462	Average Range	15.70 10.88 to 23.78	
D'Olier St to Merrion Square	1608	525	Average Range	18.73 10.70 to 25.28	
Eden Quay to Harcourt Road via Camden Street	2059	528	Average Range	11.35 8.56 to 18.58	
College Green to Dean Street	1290	118	Average Range	11.52 9.96 to 15.53	

Appendix 1 November 2008 Survey Points

Blanchardstown QBC Survey Points November 2008							Corridor	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
1	Ongar Terminus South of Linnetfields Roundabout	TBA	TBA	Inbound	AM/OPI	(1 surveyor)	B'town	
2	Clonsilla Road east of junction with Hansfied Road	305025.962	238174.47	Inbound	AM/OPI		B'town	
3	Clonsilla Road west of junction with Shelerin Road	305840.07	238141.99	Inbound	AM/OPI		B'town	
4	North on B'town Rd South north arm at junction with Blakestown Way	306617.34	239363.65	Inbound	AM Peak		B'town	
5	On slip road to B'town Bypass prior to rear of shopping centre	TBA	TBA	Inbound	AM Peak		B'town	
6	South on B'town Rd South south arm at junction with Blakestown Way	306598.42	239291.92	Inbound	AM/OPI		B'town	
7	East on Clonsilla Rd east of junction with Coolmine Rd	306977.92	238196.09	Inbound	AM/OPI		B'town	
8	Main Street south of junction with Clonsilla Road at start of bus lane	307821.71	238834.94	Inbound	AM/OPI		B'town	
9	Blanchardstown Bypass south east of roundabout at River Road	308650.70	238442.30	Inbound	AM/OPI		2 surveyors	B'town
10	South on Navan Rd south of junction with New River Rd at start of bus lane	309421.44	237920.34	Inbound	AM/OPI		B'town	
11	South on Navan Rd south of junction with Nephin Rd at start of bus lane	311147.48	237012.80	Inbound	AM/OPI		B'town	
12	South on Navan Rd south of junction with Nephin Rd at start of bus lane	312729.97	236252.12	Inbound	AM/OPI		B'town	
13	South on Navan Rd north of junction with Ratoath Road at end of bus lane	313211.27	236002.10	Inbound	AM/OPI		B'town	
14	South on Old Cabra Rd north of junction with North Circular Rd	313968.28	235475.54	Inbound	AM/OPI		B'town	
15	South on Manor Street adjacent to Kirwan Street	314326.25	234937.09	Inbound	AM/OPI		B'town	
16	South on Blackhall Place north of jct with Ellis Quay at end of bus lane	314440.44	234325.36	Inbound	AM/OPI		B'town	
17	East on Ormond Quay Upper just west of Capel Street	315405.26	234244.03	Inbound	AM/OPI		B'town	
18	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI		Count Buses only	B'town
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
19	Service 39 terminus at Hawkins Street	316130.41	234287.64	Outbound	PM/OPO	Count Buses only	B'town	
20	West on Merchants Quay adjacent to Winetavern St at start of bus lane	315089.70	234113.06	Outbound	PM/OPO		B'town	
21	On James Joyce Bridge	314436.38	234283.19	Outbound	PM/OPO		B'town	
22	North on Manor Street just north of Manor Place	314298.00	234936.91	Outbound	PM/OPO		B'town	
23	North on Old Cabra Road just north of junction with North Circular Road	313960.26	235469.13	Outbound	PM/OPO		B'town	
24	North on Navan Road just north of junction with Ratoath Road	313285.35	235935.15	Outbound	PM/OPO		B'town	
25	North on Navan Road just north of junction with Nephin Road	312612.81	236299.41	Outbound	PM/OPO		B'town	
26	North on Navan Road north of junction with Castleknock Road	311004.90	237072.13	Outbound	PM/OPO		B'town	
27	North on Navan Road at end of bus lane south of junction with New River Rd	309397.83	237902.15	Outbound	PM/OPO		B'town	
28	North on B'town Bypass south of roundabout to Main Street	TBA	TBA	Outbound	PM/OPO		2 surveyors	B'town
29	Main Street just south of junction with Clonsilla Road	307812.02	238830.44	Outbound	PM/OPO		B'town	
30	West on Clonsilla Road east of junction with Coolmine Road	306982.20	238187.85	Outbound	PM/OPO		B'town	
31	West on Blakestown Way after junction with B'town Rd South	306574.58	239354.68	Outbound	PM/OPO		B'town	
32	On slip road from B'town Bypass just past rear of shopping centre	307295.39	239512.94	Outbound	PM Peak		(1 surveyor)	B'town
33	South on B'town Road South north arm at junction with Blakestown Way	306642.63	239352.31	Outbound	PM Peak		B'town	
34	Ongar Terminus south of Linnetfields Roundabout	TBA	TBA	Outbound	PM/OPO		B'town	

Appendix 1 November 2008 Survey Points (continued)

Finglas QBC Survey Points incorporating Ballymun QBC - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
1	Mellowes Road bridge over N2 east of junction with Main Street	313055.40	239081.96	Inbound	AM/OPI		Finglas
2	Finglas Road by Main Street	313337.29	238735.17	Inbound	AM/OPI		Finglas
3	Ballymun Rd north of Civic Centre at start of bus lane	315535.39	239865.76	Inbound	AM/OPI		Ballymun
4	St Mobhi Road at end of bus lane north of Griffith Avenue	315489.76	237907.63	Inbound	AM/OPI		Ballymun
5	St Mobhi Road at end of bus lane north of Botanic Avenue	315443.86	237133.84	Inbound	AM/OPI		Ballymun
6	Glasnevin Hill Bon Secours Hospital Main Entrance	315282.23	237423.23	Inbound	AM Peak		Ballymun
7	Botanic Road at bus stop north of Cliftonville Road	315265.74	236859.57	Inbound	AM/OPI		Ballymun
8	Prospect Road on island at Harts Corner	TBA	TBA	Inbound	AM/OPI		Finglas & Ballymun
9	South on Phibsborough Rd south of junction with North Circular Rd	315053.98	235857.14	Inbound	AM/OPI		Ballymun
10	Dorset Street Lower south of junction with Whitworth Road	315910.49	235936.82	Inbound	AM/OPI	2 surveyors	Finglas & Ballymun
11	Frederick Street North south of junction with Dorset St Lower	315570.67	235340.31	Inbound	AM/OPI	Count Buses Only	Finglas & Ballymun
12	40 Terminus Parnell Square East	315803.22	235027.07	Inbound	AM/OPI	Count Buses Only	Finglas & Ballymun
13	O'Connell St at Bank of Ireland south of junction with Abbey St Lower	315983.88	234469.97	Inbound	AM/OPI	Count Buses Only	Ballymun
14	South Great Georges Street by Dame Lane	315648.08	234010.52	Outbound	AM/OPI	Count Buses Only	Ballymun
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
15	Camden Street Upper south of traffic lights by Bleeding Horse Pub	315623.74	232831.01	Inbound	PM/OPO	Count Buses Only	Ballymun
16	O'Connell Street south of junction with Middle Abbey Street	315939.32	234470.25	Outbound	PM/OPO		Ballymun
17	Parnell Square West opposite bus stop outside No 41	315593.38	235019.18	Outbound	PM/OPO		Ballymun
18	Dorset St Upper just north of junction with Granby Row	315452.08	235172.55	Outbound	PM/OPO		Ballymun
19	Dorset St Lower north of junction with Blessington St at start of bus lane	315557.48	235379.43	Outbound	PM/OPO		Ballymun
20	Parnell Street Service 40 departure point	315856.11	235026.67	Outbound	PM/OPO		Finglas
21	Dorset Street Lower south of junction with Whitworth Road	315887.84	235949.19	Outbound	PM/OPO	2 surveyors	Finglas & Ballymun
22	North on Phibsborough Road at bus stop north of junction with NCR	315038.37	235900.64	Outbound	PM/OPO		Ballymun
23	Prospect Road on island at Harts Corner	TBA	TBA	Outbound	PM/OPO		Finglas & Ballymun
24	Finglas Road by Finglas Place	313447.40	238561.21	Outbound	PM/OPO		Finglas
25	Mellowes Road bridge over N2 west of junction with Main Street	313060.44	239064.80	Outbound	PM/OPO		Finglas
26	Botanic Road bus stop south of junction with Glasnevin Hill	315268.95	236897.58	Outbound	PM/OPO		Ballymun
27	Ballymun Road at start of outbound bus lane opposite The Rise	315435.93	238105.44	Outbound	PM/OPO		Ballymun
28	Ballymun Road bus stop outside shopping centre	315504.50	239842.08	Outbound	PM/OPO		Ballymun

Appendix 1 November 2008 Survey Points (continued)

Lucan QBC Survey Points November 2008								Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
1	South on Newcastle Rd at 25a departure point opposite Superquinn	303213.09	234164.63	Inbound	AM/OPI	Count buses only 2 surveyors 2 surveyors	Lucan	
2	Opposite Penny Hill pub north of junction of Castle Rd & Ballyowen Rd	304953.86	234169.25	Inbound	AM/OPI		Lucan	
3	On Ballyowen slip road to N4 prior to Foxhunter pub	TBA	TBA	Inbound	AM/OPI		Lucan	
4	Liffey Valley Bus Stop west of M50	307237.09	235193.80	Inbound	AM/OPI		Lucan	
5	Palmerston opposite The Oval	308751.41	234967.54	Inbound	AM/OPI		Lucan	
6	Con Colbert Road just east of junction with link road to Inchicore Road	312172.20	233836.39	Inbound	AM/OPI		Lucan	
7	Heuston Station Taxi Rank on St Johns Road	313666.43	234201.03	Inbound	AM/OPI		Lucan	
8	Conyngham Road east of junction with South Circular Road	312818.17	234438.91	Inbound	AM/OPI		Lucan	
9	Parkgate Street at segregated bus stop	313770.20	234419.01	Inbound	AM/OPI		Lucan	
10	Ellis Quay just east of junction with Ellis Street/Rory O' More Bridge	314352.08	234325.50	Inbound	AM/OPI		Lucan	
11	Arran Quay just west of junction with Church Street/Fr. Mathew Bridge	314835.45	234218.97	Inbound	AM/OPI		Lucan	
12	Bachelors Walk just west of O'Connell Street Bridge	315867.10	234384.37	Inbound	AM/OPI		Lucan	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
13	Just west of Pearse Street Bus Stop	TBA	TBA	Outbound	PM/OPO	Count buses only 2 surveyors 2 surveyors	Lucan	
14	Wellington Quay Bus Stop	315727.73	234241.88	Outbound	PM/OPO		Lucan	
15	Ushers Quay just west of junction with Bridge Street	TBA	TBA	Outbound	PM/OPO		Lucan	
16	Conyngham Road at Bridgewater Quay east of South Circular Road	312817.38	234427.72	Outbound	PM/OPO		Lucan	
17	Opposite Taxi Rank Heuston Station St Johns Road	313698.78	234185.45	Outbound	PM/OPO		Lucan	
18	Con Colbert Road just east of junction with link road to Inchicore Road	312175.29	233806.16	Outbound	PM Peak		Lucan	
19	Palmerston just past The Oval	308691.89	234967.31	Outbound	PM/OPO		Lucan	
20	Liffey Valley Bus Stop west of M50	307221.35	235153.01	Outbound	PM/OPO		Lucan	
21	On Ballyowen slip road from N4 just after Foxhunter pub	TBA	TBA	Outbound	PM/OPO		Lucan	
22	Penny Hill pub north of junction of Castle Rd & Ballyowen Rd	304972.64	234164.24	Outbound	PM/OPO		Lucan	
23	North on Newcastle Road at 25A terminus by Superquinn	303200.39	234144.51	Outbound	PM/OPO		Lucan	

Appendix 1 November 2008 Survey Points (continued)

Malahide QBC Survey Points incorporating Howth Road & Clontarf QBCs - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
1	Clare Hall Terminus	321603.58	240635.74	Inbound	AM/OPI		Malahide
2	Malahide Rd on northern arm of roundabout Priorswood Rd/Blunden Drive	320703.35	240138.78	Inbound	AM/OPI		Malahide
3	Malahide Rd on south arm of crossroads junction with Greencastle Road	320114.23	239372.47	Inbound	AM/OPI		Malahide
4	Malahide Road north of junction with Kilmore Road	319214.59	238180.99	Inbound	AM/OPI		Malahide
5	Malahide Rd at start of bus lane south of Kilmore Rd near St Davids Wood	319115.36	238066.66	Inbound	AM/OPI		Malahide
6	Malahide Road north of junction with Collins Avenue East	318622.14	237616.33	Inbound	AM/OPI		Malahide
7	Howth Road at bus shelter west of junction with Station Road Raheny	321452.74	238204.75	Inbound	AM/OPI		Howth
8	Howth Road east of junction with Sybil Hill Road	320208.63	237638.79	Inbound	AM/OPI		Howth
9	Howth Road west of junction with Collins Avenue East by shops	319398.11	237097.54	Inbound	AM/OPI		Howth
10	Howth Road west of junction with Copeland Avenue	318293.34	236532.07	Inbound	AM/OPI		Howth
11	Clontarf Road west of junction with Conquer Hill Road at start of bus lane	320533.17	235754.04	Inbound	AM/OPI		Clontarf
12	Clontarf Road at bus shelter west of junction with Vernon Avenue	320115.90	235812.17	Inbound	AM/OPI		Clontarf
13	Clontarf Road at bus shelter west of junction with Castle Avenue	319209.45	235922.43	Inbound	AM/OPI		Clontarf
14	Clontarf Road at bus shelter east of junction with Alfie Byrne Road	318461.72	236207.66	Inbound	AM/OPI		Clontarf
15	Clontarf Road/Fairview at traffic lights at junction with Malahide Road	317921.20	236328.54	Inbound	AM/OPI		Howth & Clontarf
16	Malahide Rd at start of bus lane at Golf Club opposite Casino Park	318445.73	237355.05	Inbound	AM/OPI		Malahide
17	Fairview Bus Stop	317922.33	236366.03	Inbound	AM/OPI		Malahide
18	Amiens Street at end of bus lane near Connolly Station	316672.54	235028.29	Inbound	AM/OPI		Howth Clontarf & Malahide
19	Talbot Street Bus Terminus set down point	316350.97	234801.51	Inbound	AM/OPI	Count Buses only	Howth Clontarf & Malahide
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
20	Talbot Street Bus Terminus Departure Point	316317.65	234789.33	Outbound	PM/OPO	Count Buses only	Malahide
21	Eden Quay just after 29A/31 Series departure point	316213.46	234512.39	Outbound	PM/OPO	Count Buses only	Howth
22	Abbey Street Lower East of 42, 43, 51A departure Point	316180.69	234586.20	Outbound	PM/OPO	Count Buses only	Clontarf
23	Amiens Street/North Strand Road start of bus lane	316665.99	235050.04	Outbound	PM/OPO		Howth Clontarf & Malahide
24	Junction of Fairview Strand/Malahide Road at end of bus lane	317749.41	236319.94	Outbound	PM/OPO		Howth Clontarf & Malahide
25	Clontarf Road at bus stop east of junction with Alfie Byrne Road	318463.83	236225.08	Outbound	PM/OPO		Clontarf
26	Clontarf Road at bus stop east of junction with Castle Avenue	319268.35	235932.50	Outbound	PM/OPO		Clontarf
27	Clontarf Road at bus stop west of junction with Vernon Avenue	320119.42	235824.00	Outbound	PM/OPO		Clontarf
28	Clontarf Road at bus stop by bus garage/Conquer Hill Road	320502.73	235757.58	Outbound	PM/OPO		Clontarf
29	Howth Road west of junction with Copeland Avenue	318286.84	236539.34	Outbound	PM/OPO		Howth
30	Howth Road at bus stop west of junction with Collins Avenue East	319359.20	237075.96	Outbound	PM/OPO		Howth
31	Howth Road west of junction with Sybil Hill Road	320152.91	237630.02	Outbound	PM/OPO		Howth
32	Howth Road on island by clock tower at junction with Station Rd Raheny	321473.79	238222.74	Outbound	PM/OPO		Howth
33	Malahide Road start of bus lane just north of Griffith Avenue	318111.79	236826.26	Outbound	PM/OPO		Malahide
34	Malahide Road just south of junction with Collins Avenue	318561.89	237584.12	Outbound	PM/OPO		Malahide
35	Malahide Road just north of junction with Kilmore Road start of bus lane	319244.89	238244.02	Outbound	PM/OPO		Malahide
36	Malahide Road south of junction with Greencastle Road at end of bus lane	320081.14	239368.79	Outbound	PM/OPO		Malahide
37	Malahide Rd north of r'bout P'swood Rd/Blunden Drive at start of bus lane	320669.83	240138.67	Outbound	PM/OPO		Malahide
38	Terminus in Clare Hall	321622.93	240644.40	Outbound	PM/OPO		Malahide

Appendix 1 November 2008 Survey Points (continued)

North Clondalkin QBC Survey Points incorporating South Clondalkin & Crumlin Road QBC - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
1	Liffey Valley Centre 78A Departure Stop	TBA	TBA	Inbound	AM/OPI		NC
2	Ballyfermot Rd east of junction with Coldcut Road at start of bus lane	307980.04	234007.78	Inbound	AM/OPI		NC
3	Ballyfermot Rd east of junction with Kylemore Road at schools bus stop	310102.52	233713.09	Inbound	AM/OPI		NC
4	Emmet Road east of junction with Tyrconnell Road/Grattan Crescent	311913.14	233430.89	Inbound	AM/OPI		NC
5	East on Old Kilmainham/Mount Brown west of Basin Street	313836.85	233863.81	Inbound	AM/OPI		NC
6	East on Cornmarket east of St Augustine Street	314861.52	233914.09	Inbound	AM/OPI		NC
7	Nangor Road on city side of Grangecastle roundabout	304516.85	230937.74	Inbound	AM/OPI		SC
8	Nangor Road after junction with Ninth Lock Road	306987.87	232041.11	Inbound	AM/OPI		SC
9	Nangor Road prior to junction with Naas Road	309794.44	231645.50	Inbound	AM/OPI		SC
10	Drimnagh Road east of junction with Walkinstown Road	311486.61	231721.58	Inbound	AM/OPI		SC & Crumlin
11	Crumlin Road east of junction with St Mary's Road	312218.79	231913.10	Inbound	AM/OPI		SC & Crumlin
12	Dolphins Barn at junction with South Circular Road	313888.15	232828.98	Inbound	AM/OPI		SC & Crumlin
13	Dean Street between Francis Street and Patrick Street	315070.81	233469.57	Inbound	AM/OPI		Crumlin
14	Bachelors Walk just west of O'Connell Street Bridge	315867.10	234384.37	Inbound	AM/OPI	(All traffic)	SC
15	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI	Count Buses only	Crumlin
16	Ringsend Road east of Barrow Street	TBA	TBA	Inbound	AM/OPI	(All traffic)	Crumlin
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
17	Ringsend Road east of Barrow Street	TBA	TBA	Outbound	PM/OPO	(All traffic)	Crumlin
18	Aston Quay west of 68 bus stop	TBA	TBA	Outbound	PM/OPO		NC
19	College Green by taxi rank	TBA	TBA	Outbound	PM/OPO		SC & Crumlin
20	Dean Street between Patrick Street and Francis Street	315068.15	233452.53	Outbound	PM/OPO		Crumlin
21	Dolphins Barn at junction with South Circular Road	313891.88	232810.35	Outbound	PM/OPO		SC & Crumlin
22	Crumlin Road east of junction with St Mary's Road	312248.61	231916.29	Outbound	PM/OPO		SC & Crumlin
23	Drimnagh Road east of junction with Walkinstown Road	311574.57	231711.81	Outbound	PM/OPO		SC & Crumlin
24	Long Mile Road just prior to junction with Naas Road	309960.04	231583.89	Outbound	PM/OPO		SC
25	Nangor Road just prior to junction with Ninth Lock Road	306994.06	232029.26	Outbound	PM/OPO		SC
26	Nangor Road on city side of Grangecastle roundabout	304519.50	230926.71	Outbound	PM/OPO		SC
27	Bridge Street just south of junction with Merchants Quay	314875.07	234108.89	Outbound	PM/OPO		NC
28	West on Cornmarket east of Francis Street	314865.29	233904.67	Outbound	PM/OPO		NC
29	West on James Street east of Echlin Street	314100.35	233919.63	Outbound	PM/OPO		NC
30	West on Emmet Rd east of junction with Tyrconnell Rd/Grattan Crescent	311911.25	233421.29	Outbound	PM/OPO		NC
31	Ballyfermot Rd at end of bus lane east of junction with Kylemore Road	310069.45	233697.13	Outbound	PM/OPO		NC
32	Ballyfermot Road at end of bus lane east of junction with Coldcut Road	307979.75	233984.64	Outbound	PM/OPO		NC
33	Liffey Valley Centre 78A Arrival Stop	TBA	TBA	Outbound	PM/OPO		NC

Appendix 1 November 2008 Survey Points (continued)

Rathfarnham QBC Survey Points incorporating Clanbrassil Street/Patrick Street - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
1	Nutgrove Avenue Terminus opposite end of outbound bus lane	316206.21	228501.63	Inbound	AM/OPI		Rathfarnham
2	Nutgrove Avenue east of Oakdown Road at start of bus lane	315950.85	228348.34	Inbound	AM/OPI		Rathfarnham
3	Rathfarnham Rd south of junction with Main Street at end of bus lane	314462.04	229081.08	Inbound	AM/OPI		Rathfarnham
4	Rathfarnham Rd at junction with Brookvale Road at start of bus lane	314448.86	229356.31	Inbound	AM/OPI		Rathfarnham
5	Rathfarnham Rd south of junction with Terenure Rd E at end of bus lane	314434.71	230107.05	Inbound	AM/OPI		Rathfarnham
6	Harolds Cross Rd at Mount Tallant Avenue at start of bus lane	314593.66	230891.30	Inbound	AM/OPI		Rathfarnham
7	Harolds Cross Rd at junction with Leinster Rd West at end of bus lane	314738.45	231372.95	Inbound	AM/OPI		Rathfarnham
8	Harolds Cross Road north of Leinster Road at start of bus lane	314697.26	231581.29	Inbound	AM/OPI		Rathfarnham
9	Clanbrassil Street at end of bus lane	314949.06	232581.83	Inbound	AM/OPI		Rathfarnham
10	New Street South south of junction with Dean Street	315109.56	233366.26	Inbound	AM/OPI		Rathfarnham
11	South Circular Rd west of Curzon Street at start of bus lane	315310.15	232726.37	Inbound	AM/OPI		Rathfarnham
12	Camden Street north of Camden Row at end of bus lane	315582.31	233202.86	Inbound	AM/OPI		Rathfarnham
13	Aungier Street at junction with Bishop Street	315552.68	233343.04	Inbound	AM/OPI		Rathfarnham
14	Aungier Street junction with Stephen Street at start of bus lane	315587.86	233757.59	Inbound	AM/OPI		Rathfarnham
15	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI	Count buses only	Rathfarnham
16	Parnell Square West opposite bus stop outside No 41	315593.42	235018.90	Outbound	AM/OPI	Count buses only	Rathfarnham
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
17	40 Terminus Parnell Square East	315803.22	235027.07	Inbound	PM/OPO	Count buses only	Rathfarnham
18	College Green by taxi rank	TBA	TBA	Outbound	PM/OPO		Rathfarnham
19	Aungier Street at junction with Bishop Street	315564.33	233344.37	Outbound	PM/OPO		Rathfarnham
20	Camden Street south of junction with Camden Place at start of bus lane	315619.87	233060.15	Outbound	PM/OPO		Rathfarnham
21	South Circular Road at junction with Victoria St at start of bus lane	315280.68	232709.38	Outbound	PM/OPO		Rathfarnham
22	South Circular Rd at end of bus lane east of junction with Clanbrassil St	315036.55	232686.17	Outbound	PM/OPO		Rathfarnham
23	New Street South south of junction with Dean Street	315126.39	233366.72	Outbound	PM/OPO		Rathfarnham
24	Harolds Cross Rd south of junction with Grove Rd at start of bus lane	314922.54	232335.24	Outbound	PM/OPO		Rathfarnham
25	Harolds Cross Road north of Leinster Road	314722.97	231620.58	Outbound	PM/OPO		Rathfarnham
26	Harolds Cross Road south of Whitton Rd at start of bus lane	314523.92	230444.44	Outbound	PM/OPO		Rathfarnham
27	Terenure Road North at end of bus lane	314488.79	230271.86	Outbound	PM/OPO		Rathfarnham
28	Rathfarnham Road by castle entrance at start of bus lane	314474.36	229003.08	Outbound	PM/OPO		Rathfarnham
29	Rathfarnham Road at junction with Butterfield Avenue at end of bus lane	314413.76	228846.00	Outbound	PM/OPO		Rathfarnham
30	Nutgrove Avenue east of Oakdown Road at start of bus lane	315944.26	228356.59	Outbound	PM/OPO		Rathfarnham
31	Nutgrove Avenue terminus at end of bus lane	316199.65	228513.33	Outbound	PM/OPO		Rathfarnham

Appendix 1 November 2008 Survey Points (continued)

Stillorgan QBC Survey Points incorporating N11 extension to Bray & Rock Road QBC - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
1	Bray Main Street between Florence Road & Quinsborough Road	326377.65	218700.40	Inbound	AM/OPI		Bray
2	Castle St south of junction with Upper Dargle Rd opposite bus stop	326075.17	219064.32	Inbound	AM/OPI		Bray
3	Esso Garage south of Wilford Roundabout	325755.06	219597.37	Inbound	AM/OPI		Bray
4	At end of bus gate north of Shanganagh Cemetery	325427.51	220756.06	Inbound	AM/OPI		Bray
5	Village bus stop south of Shankill Roundabout	325311.53	221584.98	Inbound	AM/OPI		Bray
6	Bus stop at start of bus lane north of Loughlinstown Roundabout	324883.59	222893.92	Inbound	AM/OPI		Bray
7	Bus stop city side of Cabinteely South Footbridge	323491.07	225081.40	Inbound	AM/OPI		Bray
8	Dun Laoghaire DART Station departure bus stop	324397.38	228778.02	Inbound	AM/OPI	2 surveyors Count buses only	Stillorgan
9	North on Stillorgan Road north of junction with Kill Lane	321816.87	226358.38	Inbound	AM/OPI	2 surveyors	Bray & Stillorgan
10	Stillorgan Road just south of junction with Mount Merrion Avenue	319781.15	228820.22	Inbound	AM/OPI	2 surveyors	Bray & Stillorgan
11	Stillorgan Road north of junction with Ailesbury Road/Beaver Row	317833.90	231328.53	Inbound	AM/OPI		Bray & Stillorgan
12	Morehampton Rd end of bus lane south of junction with Wellington Place	317040.21	232195.75	Inbound	AM/OPI		Bray & Stillorgan
13	Leeson Street south of junction with St Stephen's Green	316159.70	233132.93	Inbound	AM/OPI		Bray & Stillorgan
14	Rock Road north of junction with Main Street/Frascati Road	321200.73	229506.07	Inbound	AM/OPI		Rock Road
15	Rock Road north of junction with Booterstown Avenue	320205.67	230262.04	Inbound	AM/OPI		Rock Road
16	Northumberland Avenue north of junction with Merrion Rd & Anglesea Rd	317919.33	232394.33	Inbound	AM/OPI		Rock Road
17	Merrion Square just west of north east corner	316821.37	233567.23	Inbound	AM/OPI		Rock Road
18	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI	Count buses only	Bray Stillorgan & Rock Road
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
19	40 Terminus Parnell Square East	315803.22	235027.07	Inbound	PM/OPO	Count buses only	Bray & Stillorgan
20	D'Olier Street north of Fleet Street	TBA	TBA	Outbound	PM/OPO	Count buses only	Bray, Stillorgan & Rock Road
21	Merrion Square just east of north east corner	316871.20	233552.80	Outbound	PM/OPO		Rock Road
22	Northumberland Avenue north of junction with Merrion Rd & Anglesea Rd	317928.25	232414.55	Outbound	PM/OPO		Rock Road
23	Rock Road north of junction with Booterstown Avenue	320225.89	230272.15	Outbound	PM/OPO		Rock Road
24	Rock Road north of junction with Main Street/Frascati Road	321233.45	229518.56	Outbound	PM/OPO		Rock Road
25	Leeson Street south of junction with St Stephen's Green	316167.69	233147.25	Outbound	PM/OPO		Bray & Stillorgan
26	Morehampton Rd at start of bus lane south of jct with Wellington Place	317032.63	232217.22	Outbound	PM/OPO		Bray & Stillorgan
27	Stillorgan Road north of junction with Ailesbury Road/Beaver Row	317849.22	231346.84	Outbound	PM/OPO		Bray & Stillorgan
28	Stillorgan Road just south of junction with Mount Merrion Avenue	319811.78	228822.55	Outbound	PM/OPO	2 surveyors	Bray & Stillorgan
29	Stillorgan Road just north of junction with Kill Lane	321829.69	226389.65	Outbound	PM/OPO	2 surveyors	Bray & Stillorgan
30	Dun Laoghaire DART Station set down bus stop	324392.57	228780.96	Outbound	PM/OPO	Count buses only	Stillorgan
31	Bus stop south of Cabinteely South Footbridge	323600.72	225030.71	Outbound	PM/OPO	2 surveyors	Bray
32	Bus stop north of Loughlinstown Roundabout	324901.71	222902.72	Outbound	PM/OPO		Bray
33	Shankill village bus stop on Dublin Road	325322.28	221585.81	Outbound	PM/OPO		Bray
34	Opposite Esso Garage south of Wilford Roundabout	325766.35	219600.96	Outbound	PM/OPO		Bray
35	Bus stop at Castle Street south of junction with Upper Dargle Road	326088.39	219072.30	Outbound	PM/OPO		Bray
36	Main Street Bray north of junction with Quinsborough Road	326385.36	218768.72	Outbound	PM/OPO		Bray

Appendix 1 November 2008 Survey Points (continued)

Swords QBC Survey Points - November 2008								Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
1	South on Main Street outside County Council Offices	318293.41	246896.01	Inbound	AM/OPI	2 surveyors Count Buses only Count Buses only	Swords	
2	South on Main Street north of junction with Malahide Road	318204.06	246628.93	Inbound	AM/OPI		Swords	
3	Swords Road north of junction with Nevinstown Lane at end of bus lane	317775.86	245442.23	Inbound	AM/OPI		Swords	
4	Dublin Road north of junction with Naul Road at end of bus lane	317798.56	244142.64	Inbound	AM/OPI		Swords	
5	Swords Road south of south turn into Airport	317680.29	242832.24	Inbound	AM/OPI		Swords	
6	Swords Road south of junction with Lorcan Road opposite Omni Park	316734.77	239421.89	Inbound	AM/OPI		Swords	
7	Swords Road south of junction with Collins Avenue at start of bus lane	316830.30	238209.29	Inbound	AM/OPI		Swords	
8	Swords Road north of junction with Richmond Road at end of bus lane	316218.80	236814.08	Inbound	AM/OPI		Swords	
9	Dorset Street Lower north of jct with North Circular Rd at end of bus lane	315828.84	235791.17	Inbound	AM/OPI		Swords	
10	Frederick Street North south of junction with Dorset St Lower	315570.40	235340.30	Inbound	AM/OPI		Swords	
11	O'Connell Street south of junction with Earl Street North	315929.21	234642.06	Inbound	AM/OPI		Swords	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
12	Abbey Street Lower 41 departure point	316217.34	234606.10	Outbound	PM/OPO	2 surveyors	Swords	
13	Dorset St Lower north of jct with North Circular Rd at start of bus lane	315805.81	235788.35	Outbound	PM/OPO		Swords	
14	North on Drumcondra Rd Lower south of junction with Botanic Avenue	316167.46	236612.63	Outbound	PM/OPO		Swords	
15	North on Swords Road south of junction with Collins Avenue	316814.70	238213.51	Outbound	PM/OPO		Swords	
16	North on Swords Road south of junction with Lorcan Road at Omni Park	316719.50	239422.54	Outbound	PM/OPO		Swords	
17	North on Swords Road south of turn into Airport	317661.12	242839.39	Outbound	PM/OPO		Swords	
18	North on Dublin Road north of junction with Naul Road	317781.34	244148.17	Outbound	PM/OPO		Swords	
19	Swords Rd north of junction with Nevinstown Lane at start of bus lane	317760.65	245480.26	Outbound	PM/OPO		Swords	
20	North on Main Street north of junction with Malahide Road	318193.98	246631.53	Outbound	PM/OPO		Swords	
21	Main Street opposite County Council offices	318273.92	246901.21	Outbound	PM/OPO		Swords	

Appendix 1 November 2008 Survey Points (continued)

Tallaght QBC Survey Points - November 2008								Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
1	East on Main Street Tallaght past the Dragon Inn	309386.05	227642.26	Inbound	AM/OPI		Tallaght	
2	East on Tallaght Road west of M50	311097.12	227858.99	Inbound	AM/OPI		Tallaght	
3	East on Tallaght Road east of M50	311623.83	228154.79	Inbound	AM/OPI		Tallaght	
4	North on Templeogue Road east of junction with Oldbridge Road	312908.81	228689.80	Inbound	AM/OPI		Tallaght	
5	North on Templeogue Road north of junction with Fortfield Road	313774.38	229504.80	Inbound	AM/OPI		Tallaght	
6	North on Templeogue Road adjacent to junction with Rathdown Park	314179.53	229942.46	Inbound	AM/OPI		Tallaght	
7	East on Terenure Road East adjacent to Brighton Road	314844.78	230372.91	Inbound	AM/OPI		Tallaght	
8	North on Rathgar Road south of junction with Kenilworth Road	315448.96	231391.64	Inbound	AM/OPI		Tallaght	
9	North on Rathmines Road Lower adjacent to junction with Leinster Road	315626.99	231812.63	Inbound	AM/OPI		Tallaght	
10	North on Rathmines Road Lower adjacent to junction with Grove Park	315678.16	232404.35	Inbound	AM/OPI		Tallaght	
11	Camden Street Upper south of traffic lights by Bleeding Horse Pub	315623.74	232831.01	Inbound	AM/OPI		Tallaght	
12	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI	2 surveyors Count Buses only	Tallaght	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
13	O'Connell Street Bridge central reservation south of Eden Quay	315999.96	234425.07	Outbound	PM/OPO	Count Buses only	Tallaght	
14	South Great Georges Street by Dame Lane	315648.08	234010.52	Outbound	PM/OPO		Tallaght	
15	Harcourt Road by junction with Charlemont Street	315774.31	232763.34	Outbound	PM/OPO		Tallaght	
16	South on Rathmines Rd Lower adjacent to junction with Grove Park	315693.65	232404.35	Outbound	PM/OPO		Tallaght	
17	South on Rathmines Rd Lower adjacent to junction with Leinster Rd	315638.17	231811.77	Outbound	PM/OPO		Tallaght	
18	South on Rathgar Road east of junction with Kenilworth Road	315534.54	231507.75	Outbound	PM/OPO		Tallaght	
19	West on Terenure Road East adjacent to Brighton Road	314847.36	230366.46	Outbound	PM/OPO		Tallaght	
20	South on Templeogue Road adjacent to junction with Rathdown Park	314187.70	229935.15	Outbound	PM/OPO		Tallaght	
21	South on Templeogue Road north of junction with Fortfield Road	313781.85	229498.35	Outbound	PM/OPO		Tallaght	
22	South on Templeogue Road east of junction with Oldbridge Road	312843.02	228641.64	Outbound	PM/OPO		Tallaght	
23	West on Tallaght Road east of M50	311634.14	228126.01	Outbound	PM/OPO		Tallaght	
24	West on Tallaght Road west of M50	311116.47	227832.33	Outbound	PM/OPO		Tallaght	
25	West on Main Street Tallaght past the Dragon Inn	309387.34	227631.94	Outbound	PM/OPO		Tallaght	

Appendix 2 November 2008 Sunday Survey Points

Blanchardstown QBC Survey Points November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
1	Ongar Terminus South of Linnetfields Roundabout	TBA	TBA	Inbound	AM/OPI		B'town
6	South on B'town Rd South south arm at junction with Blakestown Way	306598.42	239291.92	Inbound	AM/OPI		B'town
10	South on Navan Rd south of junction with New River Rd at start of bus lane	309421.44	237920.34	Inbound	AM/OPI		B'town
13	South on Navan Rd north of junction with Ratoath Road at end of bus lane	313211.27	236002.10	Inbound	AM/OPI		B'town
15	South on Manor Street adjacent to Kirwan Street	314326.25	234937.09	Inbound	AM/OPI		B'town
16	South on Blackhall Place north of jct with Ellis Quay at end of bus lane	314440.44	234325.36	Inbound	AM/OPI		B'town
17	East on Ormond Quay Upper just west of Capel Street	315405.26	234244.03	Inbound	AM/OPI		B'town
18	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI	Count Buses only	B'town
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
19	Service 39 terminus at Hawkins Street	316130.41	234287.64	Outbound	PM/OPO	Count Buses only	B'town
20	West on Merchants Quay adjacent to Winetavern St at start of bus lane	315089.70	234113.06	Outbound	PM/OPO		B'town
22	North on Manor Street just north of Manor Place	314298.00	234936.91	Outbound	PM/OPO		B'town
24	North on Navan Road just north of junction with Ratoath Road	313285.35	235935.15	Outbound	PM/OPO		B'town
27	North on Navan Road at end of bus lane south of junction with New River Rd	309397.83	237902.15	Outbound	PM/OPO		B'town
31	West on Blakestown Way after junction with B'town Rd South	306574.58	239354.68	Outbound	PM/OPO		B'town
34	Ongar Terminus south of Linnetfields Roundabout	TBA	TBA	Outbound	PM/OPO		B'town

Appendix 2 November 2008 Sunday Survey Points (continued)

Finglas QBC Survey Points incorporating Ballymun QBC - November 2008								Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
2	Finglas Road by Main Street	313337.29	238735.17	Inbound	AM/OPI		Finglas	
3	Ballymun Rd north of Civic Centre at start of bus lane	315535.39	239865.76	Inbound	AM/OPI		Ballymun	
8	Prospect Road on island at Harts Corner	TBA	TBA	Inbound	AM/OPI		Finglas & Ballymun	
11	Frederick Street North south of junction with Dorset St Lower	315570.67	235340.31	Inbound	AM/OPI	Count Buses Only	Finglas & Ballymun	
12	40 Terminus Parnell Square East	315803.22	235027.07	Inbound	AM/OPI	Count Buses Only	Finglas & Ballymun	
13	O'Connell St at Bank of Ireland south of junction with Abbey St Lower	315983.88	234469.97	Inbound	AM/OPI	Count Buses Only	Ballymun	
14	South Great Georges Street by Dame Lane	315648.08	234010.52	Outbound	AM/OPI	Count Buses Only	Ballymun	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
15	Camden Street Upper south of traffic lights by Bleeding Horse Pub	315623.74	232831.01	Inbound	PM/OPO	Count Buses Only	Ballymun	
16	O'Connell Street south of junction with Middle Abbey Street	315939.32	234470.25	Outbound	PM/OPO		Ballymun	
17	Parnell Square West opposite bus stop outside No 41	315593.38	235019.18	Outbound	PM/OPO		Ballymun	
20	Parnell Street Service 40 departure point	315856.11	235026.67	Outbound	PM/OPO		Finglas	
23	Prospect Road on island at Harts Corner	TBA	TBA	Outbound	PM/OPO		Finglas & Ballymun	
24	Finglas Road by Finglas Place	313447.40	238561.21	Outbound	PM/OPO		Finglas	
28	Ballymun Road bus stop outside shopping centre	315504.50	239842.08	Outbound	PM/OPO		Ballymun	

Appendix 2 November 2008 Sunday Survey Points (continued)

Lucan QBC Survey Points November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
3	On Ballyowen slip road to N4 prior to Foxhunter pub	TBA	TBA	Inbound	AM/OPI	2 surveyors	Lucan
5	Palmerston opposite The Oval	308751.41	234967.54	Inbound	AM/OPI		Lucan
7	Heuston Station Taxi Rank on St Johns Road	313666.43	234201.03	Inbound	AM/OPI		Lucan
8	Conyngham Road east of junction with South Circular Road	312818.17	234438.91	Inbound	AM/OPI		Lucan
9	Parkgate Street at segregated bus stop	313770.20	234419.01	Inbound	AM/OPI		Lucan
10	Ellis Quay just east of junction with Ellis Street/Rory O' More Bridge	314352.08	234325.50	Inbound	AM/OPI		Lucan
11	Arran Quay just west of junction with Church Street/Fr. Mathew Bridge	314835.45	234218.97	Inbound	AM/OPI		Lucan
12	Bachelors Walk just west of O'Connell Street Bridge	315867.10	234384.37	Inbound	AM/OPI		Lucan
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
13	Just west of Pearse Street Bus Stop	TBA	TBA	Outbound	PM/OPO	Count buses only	Lucan
14	Wellington Quay Bus Stop	315727.73	234241.88	Outbound	PM/OPO		Lucan
15	Ushers Quay just west of junction with Bridge Street	TBA	TBA	Outbound	PM/OPO		Lucan
16	Conyngham Road at Bridgewater Quay east of South Circular Road	312817.38	234427.72	Outbound	PM/OPO		Lucan
17	Opposite Taxi Rank Heuston Station St Johns Road	313698.78	234185.45	Outbound	PM/OPO		Lucan
19	Palmerston just past The Oval	308691.89	234967.31	Outbound	PM/OPO		2 surveyors
21	On Ballyowen slip road from N4 just after Foxhunter pub	TBA	TBA	Outbound	PM/OPO	Lucan	

Appendix 2 November 2008 Sunday Survey Points (continued)

Malahide QBC Survey Points incorporating Howth Road & Clontarf QBCs - November 2008							Corridor	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
3	Malahide Rd on south arm of crossroads junction with Greencastle Road	320114.23	239372.47	Inbound	AM/OPI		Malahide	
7	Howth Road at bus shelter west of junction with Station Road Raheny	321452.74	238204.75	Inbound	AM/OPI		Howth	
11	Clontarf Road west of junction with Conquer Hill Road at start of bus lane	320533.17	235754.04	Inbound	AM/OPI		Clontarf	
15	Clontarf Road/Fairview at traffic lights at junction with Malahide Road	317921.20	236328.54	Inbound	AM/OPI		Howth & Clontarf	
17	Fairview Bus Stop	317922.33	236366.03	Inbound	AM/OPI		Malahide	
18	Amiens Street at end of bus lane near Connolly Station	316672.54	235028.29	Inbound	AM/OPI		Howth Clontarf & Malahide	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
20	Talbot Street Bus Terminus Departure Point	316317.65	234789.33	Outbound	PM/OPO	Count Buses only	Malahide	
21	Eden Quay just after 29A/31 Series departure point	316213.46	234512.39	Outbound	PM/OPO		Count Buses only	Howth
22	Abbey Street Lower East of 42, 43, 51A departure Point	316180.69	234586.20	Outbound	PM/OPO		Count Buses only	Clontarf
23	Amiens Street/North Strand Road start of bus lane	316665.99	235050.04	Outbound	PM/OPO		Howth Clontarf & Malahide	
24	Junction of Fairview Strand/Malahide Road at end of bus lane	317749.41	236319.94	Outbound	PM/OPO		Howth Clontarf & Malahide	
28	Clontarf Road at bus stop by bus garage/Conquer Hill Road	320502.73	235757.58	Outbound	PM/OPO		Clontarf	
32	Howth Road on island by clock tower at junction with Station Rd Raheny	321473.79	238222.74	Outbound	PM/OPO		Howth	
36	Malahide Road south of junction with Greencastle Road at end of bus lane	320081.14	239368.79	Outbound	PM/OPO		Malahide	

Appendix 2 November 2008 Sunday Survey Points (continued)

North Clondalkin QBC Survey Points incorporating South Clondalkin & Crumlin Road QBC - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
2	Ballyfermot Rd east of junction with Coldcut Road at start of bus lane	307980.04	234007.78	Inbound	AM/OPI		NC
4	Emmet Road east of junction with Tyrconnell Road/Grattan Crescent	311913.14	233430.89	Inbound	AM/OPI		NC
6	East on Commarket east of St Augustine Street	314861.52	233914.09	Inbound	AM/OPI		NC
7	Nangor Road on city side of Grangecastle roundabout	304516.85	230937.74	Inbound	AM/OPI		SC
10	Drimnagh Road east of junction with Walkinstown Road	311486.61	231721.58	Inbound	AM/OPI		SC & Crumlin
12	Dolphins Barn at junction with South Circular Road	313888.15	232828.98	Inbound	AM/OPI		SC & Crumlin
13	Dean Street between Francis Street and Patrick Street	315070.81	233469.57	Inbound	AM/OPI		SC & Crumlin
14	Bachelors Walk just west of O'Connell Street Bridge	315867.10	234384.37	Inbound	AM/OPI		SC
15	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI	(All traffic) Count Buses only	Crumlin
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
18	Aston Quay west of 68 bus stop	TBA	TBA	Outbound	PM/OPO		NC
19	College Green by taxi rank	TBA	TBA	Outbound	PM/OPO		SC & Crumlin
20	Dean Street between Patrick Street and Francis Street	315068.15	233452.53	Outbound	PM/OPO		SC & Crumlin
21	Dolphins Barn at junction with South Circular Road	313891.88	232810.35	Outbound	PM/OPO		SC & Crumlin
23	Drimnagh Road east of junction with Walkinstown Road	311574.57	231711.81	Outbound	PM/OPO		SC & Crumlin
26	Nangor Road on city side of Grangecastle roundabout	304519.50	230926.71	Outbound	PM/OPO		SC
27	Bridge Street just south of junction with Merchants Quay	314875.07	234108.89	Outbound	PM/OPO		NC
30	West on Emmet Rd east of junction with Tyrconnell Rd/Grattan Crescent	311911.25	233421.29	Outbound	PM/OPO		NC
32	Ballyfermot Road at end of bus lane east of junction with Coldcut Road	307979.75	233984.64	Outbound	PM/OPO		NC

Appendix 2 November 2008 Sunday Survey Points (continued)

City Centre Survey Points 30 November 2008 1530 to 2000					
Point No.	Description	X Coordinate	Y Coordinate	Direction	Notes
1	Leeson Street south of junction with St Stephen's Green	316159.70	233132.93	Inbound	(All traffic) Count Buses only - 2 Surveyors
2	Merrion Square just west of north east corner	316821.37	233567.23	Inbound	
3	Camden Street Upper south of traffic lights by Bleeding Horse Pub	315623.74	232831.01	Inbound	
4	Heuston Station Taxi Rank on St Johns Road	313666.43	234201.03	Inbound	
5	Parkgate Street at segregated bus stop	313770.20	234419.01	Inbound	
6	Ellis Quay just east of junction with Ellis Street/Rory O' More Bridge	314352.08	234325.50	Inbound	
7	Arran Quay just west of junction with Church Street/Fr. Mathew Bridge	314835.45	234218.97	Inbound	
8	South on Blackhall Place north of jct with Ellis Quay at end of bus lane	314440.44	234325.36	Inbound	
9	East on Ormond Quay Upper just west of Capel Street	315405.26	234244.03	Inbound	
10	New Street South (Patrick St) south of junction with Dean Street	315109.56	233366.26	Inbound	
11	Bachelors Walk just west of O'Connell Street Bridge	315867.10	234384.37	Inbound	
12	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	

Appendix 2 November 2008 Sunday Survey Points (continued)

Rathfarnham QBC Survey Points incorporating Clanbrassil Street/Patrick Street - November 2008								Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
3	Rathfarnham Rd south of junction with Main Street at end of bus lane	314462.04	229081.08	Inbound	AM/OPI	Count buses only	Rathfarnham	
5	Rathfarnham Rd south of junction with Terenure Rd E at end of bus lane	314434.71	230107.05	Inbound	AM/OPI		Rathfarnham	
9	Clanbrassil Street at end of bus lane	314949.06	232581.83	Inbound	AM/OPI		Rathfarnham	
10	New Street South south of junction with Dean Street	315109.56	233366.26	Inbound	AM/OPI		Rathfarnham	
12	Camden Street north of Camden Row at end of bus lane	315582.31	233202.86	Inbound	AM/OPI		Rathfarnham	
15	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI		Rathfarnham	
16	Parnell Square West opposite bus stop outside No 41	315593.42	235018.90	Outbound	AM/OPI		Count buses only	Rathfarnham
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
17	40 Terminus Parnell Square East	315803.22	235027.07	Inbound	PM/OPO	Count buses only	Rathfarnham	
18	College Green by taxi rank	TBA	TBA	Outbound	PM/OPO		Rathfarnham	
20	Camden Street south of junction with Camden Place at start of bus lane	315619.87	233060.15	Outbound	PM/OPO		Rathfarnham	
23	New Street South south of junction with Dean Street	315126.39	233366.72	Outbound	PM/OPO		Rathfarnham	
24	Harolds Cross Rd south of junction with Grove Rd at start of bus lane	314922.54	232335.24	Outbound	PM/OPO		Rathfarnham	
27	Terenure Road North at end of bus lane	314488.79	230271.86	Outbound	PM/OPO		Rathfarnham	
29	Rathfarnham Road at junction with Butterfield Avenue at end of bus lane	314413.76	228846.00	Outbound	PM/OPO		Rathfarnham	

Appendix 2 November 2008 Sunday Survey Points (continued)

Stillorgan QBC Survey Points incorporating N11 extension to Bray & Rock Road QBC - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
1	Bray Main Street between Florence Road & Quinsborough Road	326377.65	218700.40	Inbound	AM/OPI	Count buses only 2 surveyors	Bray Stillorgan Bray & Stillorgan Bray & Stillorgan Bray & Stillorgan Rock Road Rock Road Rock Road
8	Dun Laoghaire DART Station departure bus stop	324397.38	228778.02	Inbound	AM/OPI		
9	North on Stillorgan Road north of junction with Kill Lane	321816.87	226358.38	Inbound	AM/OPI		
11	Stillorgan Road north of junction with Ailesbury Road/Beaver Row	317833.90	231328.53	Inbound	AM/OPI		
13	Leeson Street south of junction with St Stephen's Green	316159.70	233132.93	Inbound	AM/OPI		
14	Rock Road north of junction with Main Street/Frascati Road	321200.73	229506.07	Inbound	AM/OPI		
16	Northumberland Avenue north of junction with Merrion Rd & Anglesea Rd	317919.33	232394.33	Inbound	AM/OPI		
17	Merrion Square just west of north east corner	316821.37	233567.23	Inbound	AM/OPI		
18	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI		
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
19	40 Terminus Parnell Square East	315803.22	235027.07	Inbound	PM/OPO	Count buses only Count buses only	Bray & Stillorgan Bray, Stillorgan & Rock Road Rock Road Rock Road Rock Road Bray & Stillorgan Bray & Stillorgan Bray & Stillorgan Stilorgan Bray
20	D'Olier Street north of Fleet Street	TBA	TBA	Outbound	PM/OPO		
21	Merrion Square just east of north east corner	316871.20	233552.80	Outbound	PM/OPO		
22	Northumberland Avenue north of junction with Merrion Rd & Anglesea Rd	317928.25	232414.55	Outbound	PM/OPO		
24	Rock Road north of junction with Main Street/Frascati Road	321233.45	229518.56	Outbound	PM/OPO		
25	Leeson Street south of junction with St Stephen's Green	316167.69	233147.25	Outbound	PM/OPO		
27	Stillorgan Road north of junction with Ailesbury Road/Beaver Row	317849.22	231346.84	Outbound	PM/OPO		
29	Stillorgan Road just north of junction with Kill Lane	321829.69	226389.65	Outbound	PM/OPO		
30	Dun Laoghaire DART Station set down bus stop	324392.57	228780.96	Outbound	PM/OPO		
36	Main Street Bray north of junction with Quinsborough Road	326385.36	218768.72	Outbound	PM/OPO		

Appendix 2 November 2008 Sunday Survey Points (continued)

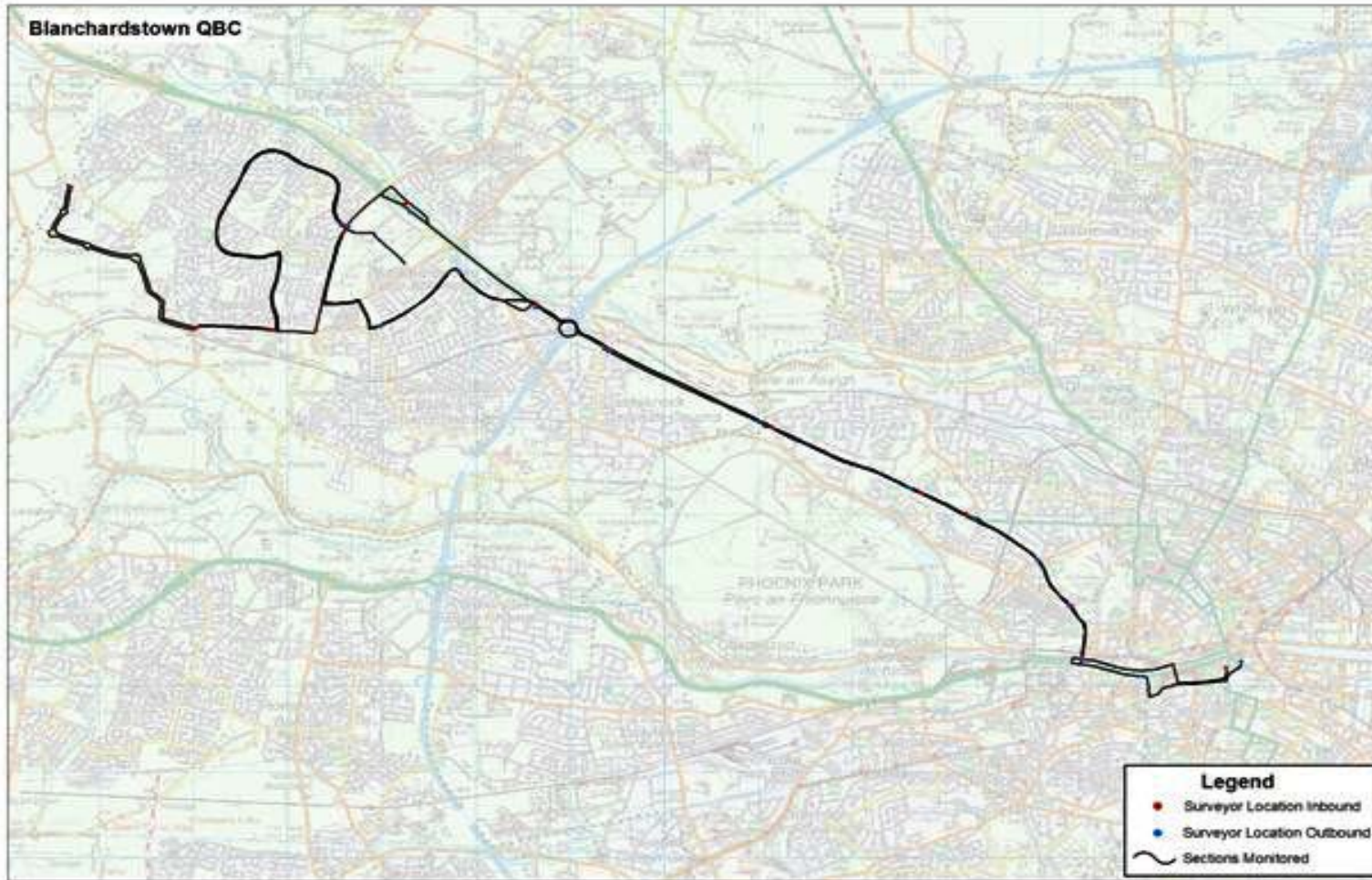
Swords QBC Survey Points - November 2008								Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
1	South on Main Street outside County Council Offices	318293.41	246896.01	Inbound	AM/OPI	Count Buses only Count Buses only	Swords	
2	South on Main Street north of junction with Malahide Road	318204.06	246628.93	Inbound	AM/OPI		Swords	
6	Swords Road south of junction with Lorcan Road opposite Omni Park	316734.77	239421.89	Inbound	AM/OPI		Swords	
8	Swords Road north of junction with Richmond Road at end of bus lane	316218.80	236814.08	Inbound	AM/OPI		Swords	
10	Frederick Street North south of junction with Dorset St Lower	315570.40	235340.30	Inbound	AM/OPI		Swords	
11	O'Connell Street south of junction with Earl Street North	315929.21	234642.06	Inbound	AM/OPI		Swords	
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes		
12	Abbey Street Lower 41 departure point	316217.34	234606.10	Outbound	PM/OPO	2 surveyors	Swords	
13	Dorset St Lower north of jct with North Circular Rd at start of bus lane	315805.81	235788.35	Outbound	PM/OPO		Swords	
14	North on Drumcondra Rd Lower south of junction with Botanic Avenue	316167.46	236612.63	Outbound	PM/OPO		Swords	
16	North on Swords Road south of junction with Lorcan Road at Omni Park	316719.50	239422.54	Outbound	PM/OPO		Swords	
20	North on Main Street north of junction with Malahide Road	318193.98	246631.53	Outbound	PM/OPO		Swords	
21	Main Street opposite County Council offices	318273.92	246901.21	Outbound	PM/OPO		Swords	

Appendix 2 November 2008 Sunday Survey Points (continued)

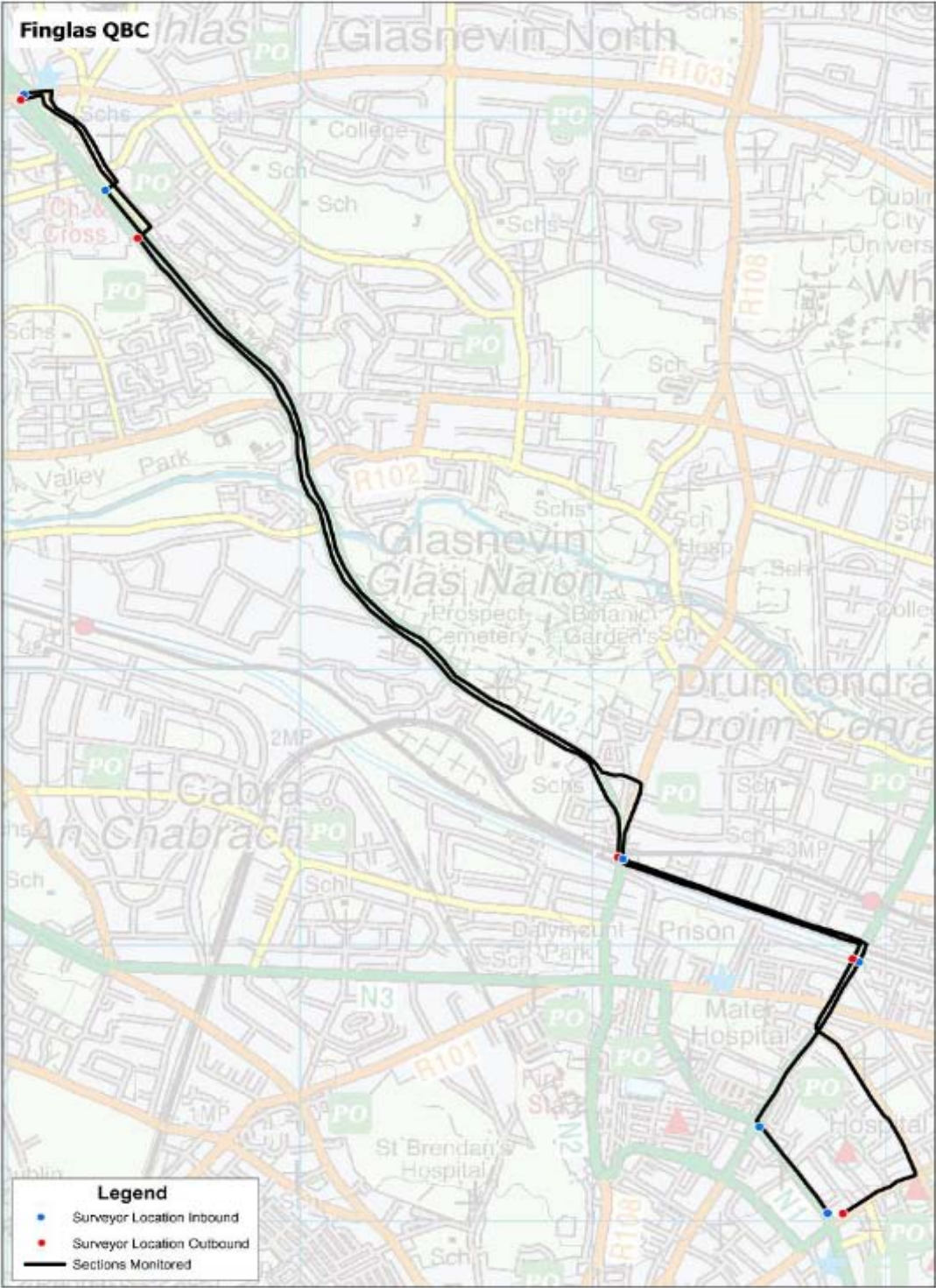
Tallaght QBC Survey Points - November 2008							Corridor
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
2	East on Tallaght Road west of M50	311097.12	227858.99	Inbound	AM/OPI	2 surveyors Count Buses only	Tallaght
6	North on Tempogue Road adjacent to junction with Rathdown Park	314179.53	229942.46	Inbound	AM/OPI		Tallaght
7	East on Terenure Road East adjacent to Brighton Road	314844.78	230372.91	Inbound	AM/OPI		Tallaght
9	North on Rathmines Road Lower adjacent to junction with Leinster Road	315626.99	231812.63	Inbound	AM/OPI		Tallaght
11	Camden Street Upper south of traffic lights by Bleeding Horse Pub	315623.74	232831.01	Inbound	AM/OPI		Tallaght
12	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI		Tallaght
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
13	O'Connell Street Bridge central reservation south of Eden Quay	315999.96	234425.07	Outbound	PM/OPO	Count Buses only	Tallaght
14	South Great Georges Street by Dame Lane	315648.08	234010.52	Outbound	PM/OPO		Tallaght
15	Harcourt Road by junction with Charlemont Street	315774.31	232763.34	Outbound	PM/OPO		Tallaght
17	South on Rathmines Rd Lower adjacent to junction with Leinster Rd	315638.17	231811.77	Outbound	PM/OPO		Tallaght
19	West on Terenure Road East adjacent to Brighton Road	314847.36	230366.46	Outbound	PM/OPO		Tallaght
20	South on Templeogue Road adjacent to junction with Rathdown Park	314187.70	229935.15	Outbound	PM/OPO		Tallaght
24	West on Tallaght Road west of M50	311116.47	227832.33	Outbound	PM/OPO		Tallaght

Appendix 3 Maps of Survey Points

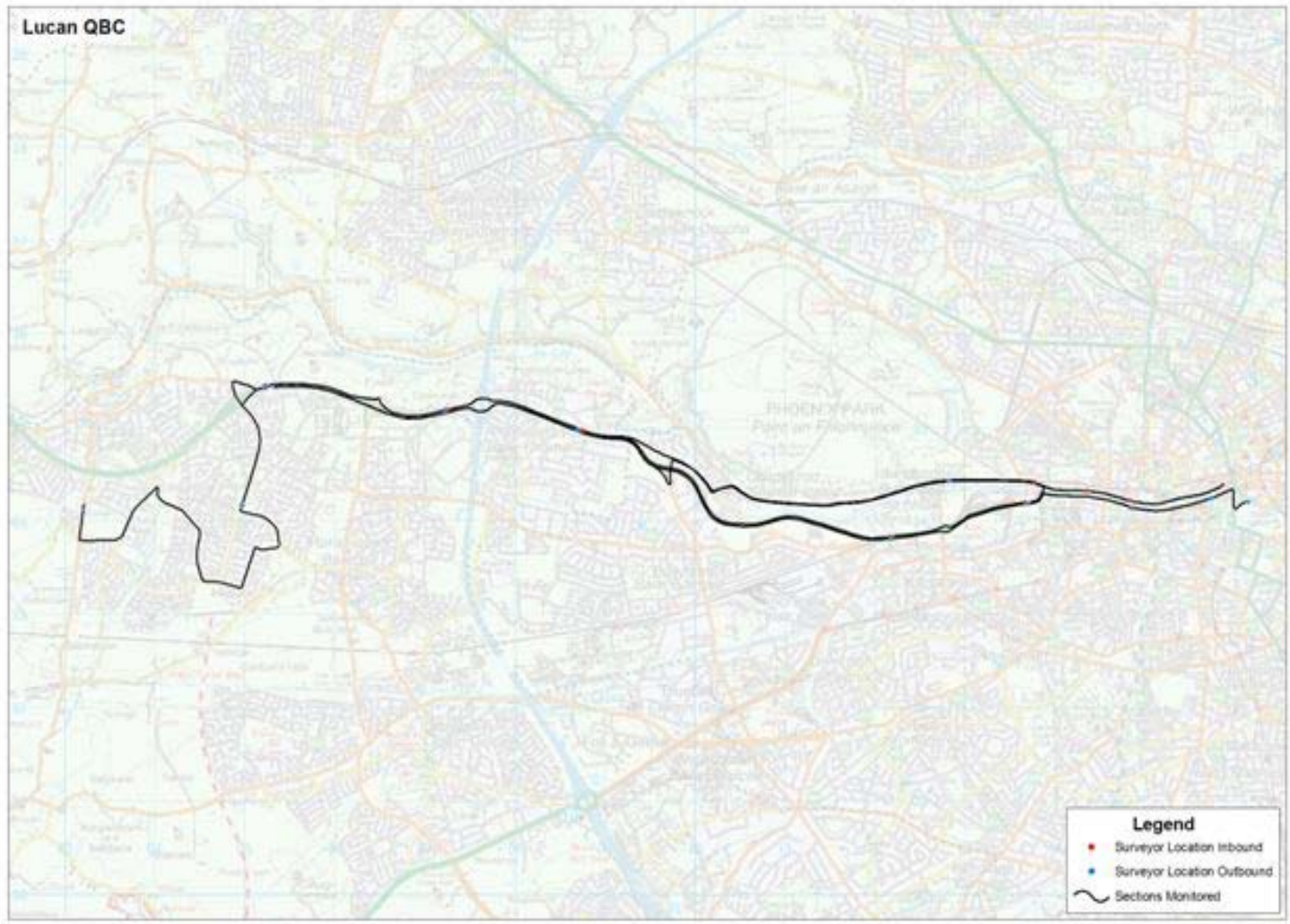
Blanchardstown QBC



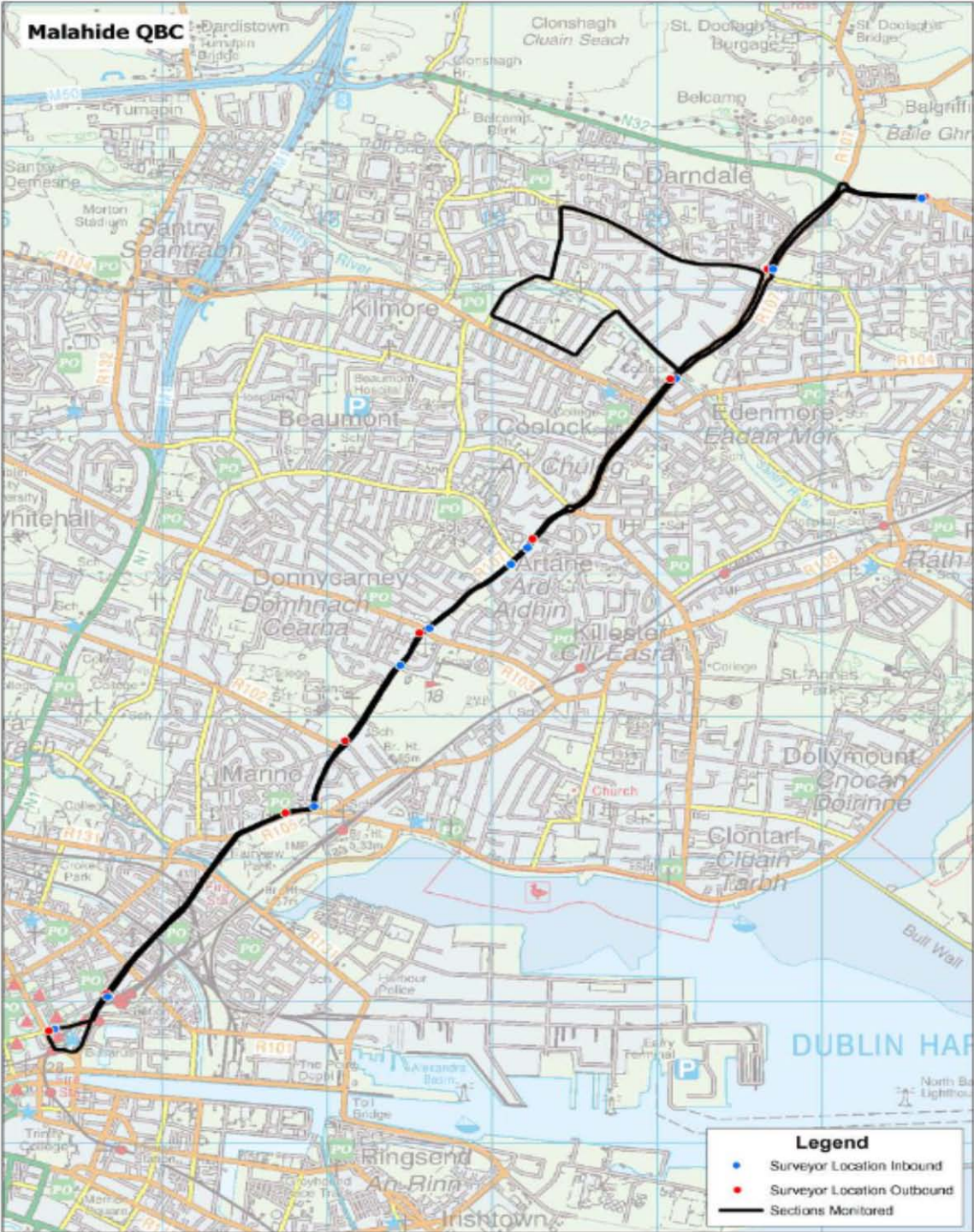
Finglas QBC



Lucan QBC



Malahide QBC



North Clondalkin QBC



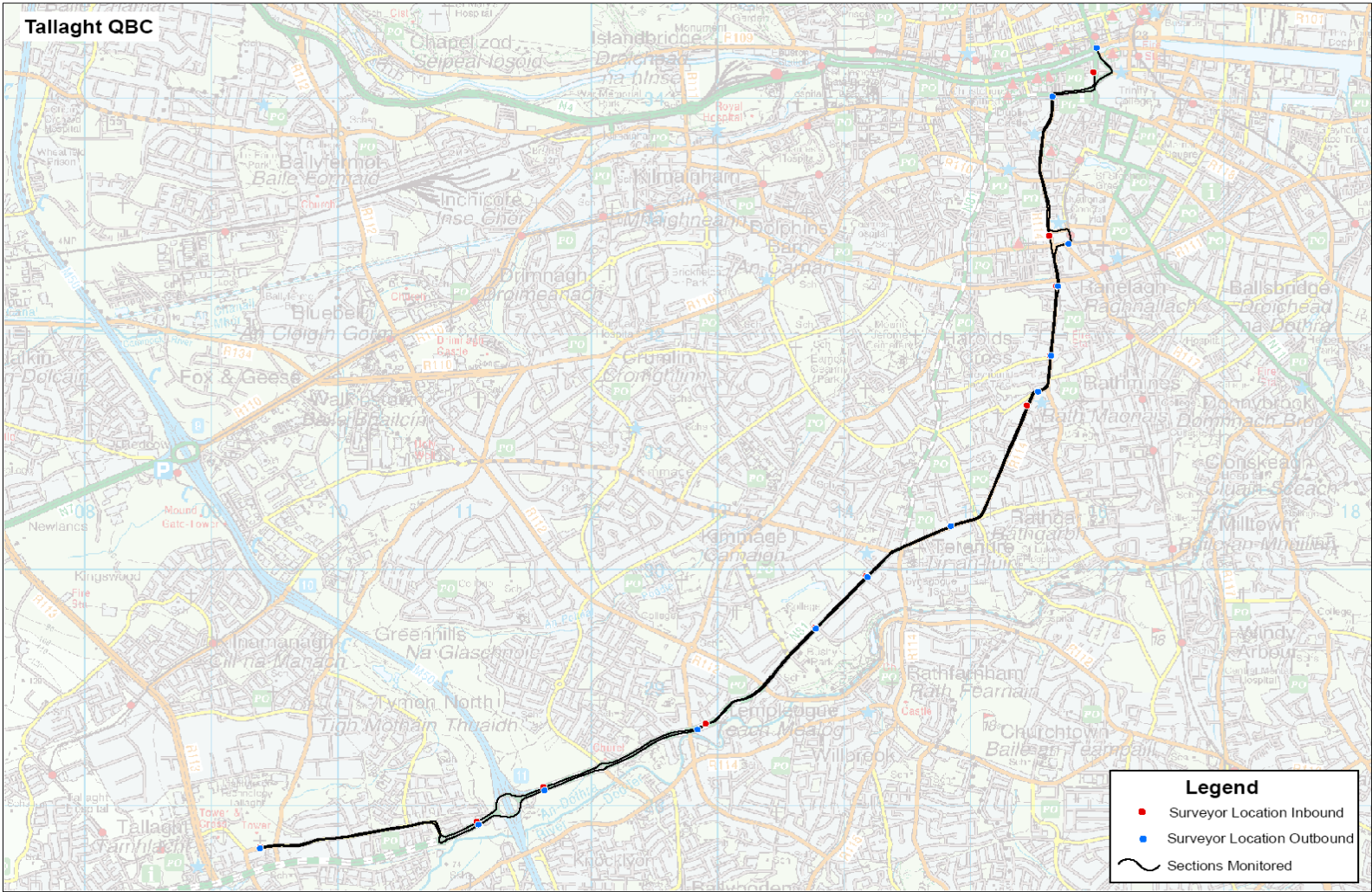
Stillorgan QBC



Swords QBC



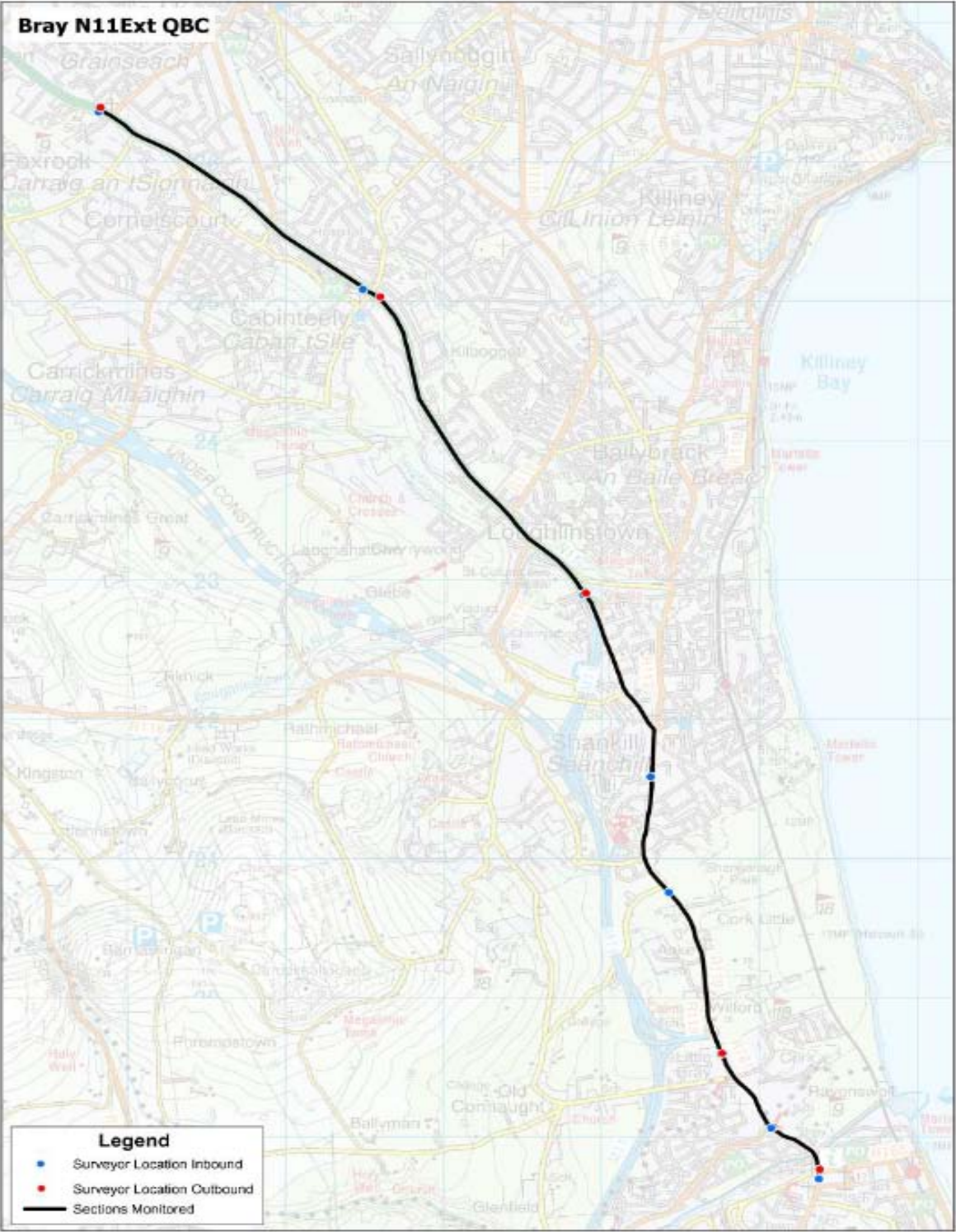
Tallaght QBC



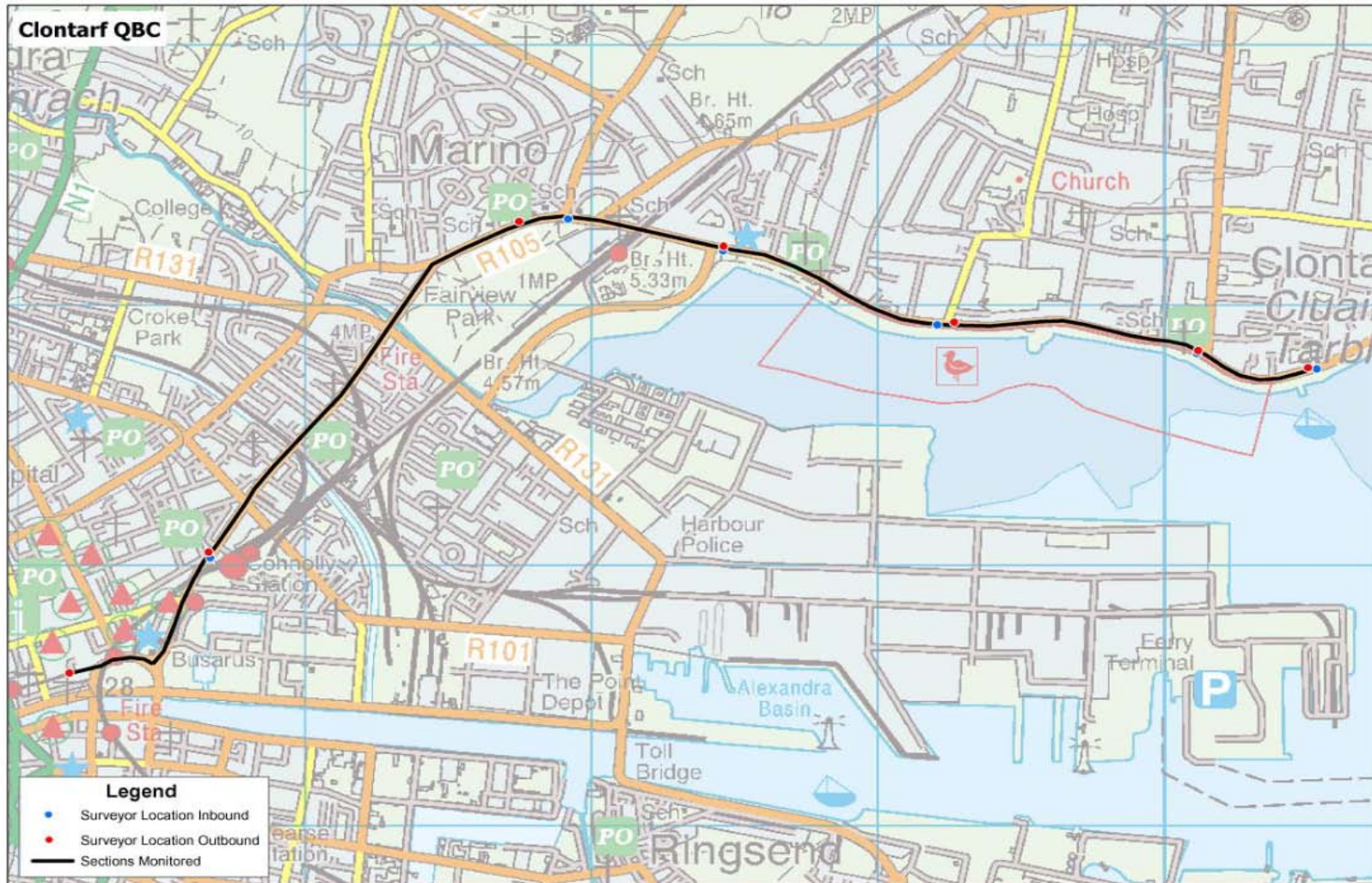
Ballymun QBC



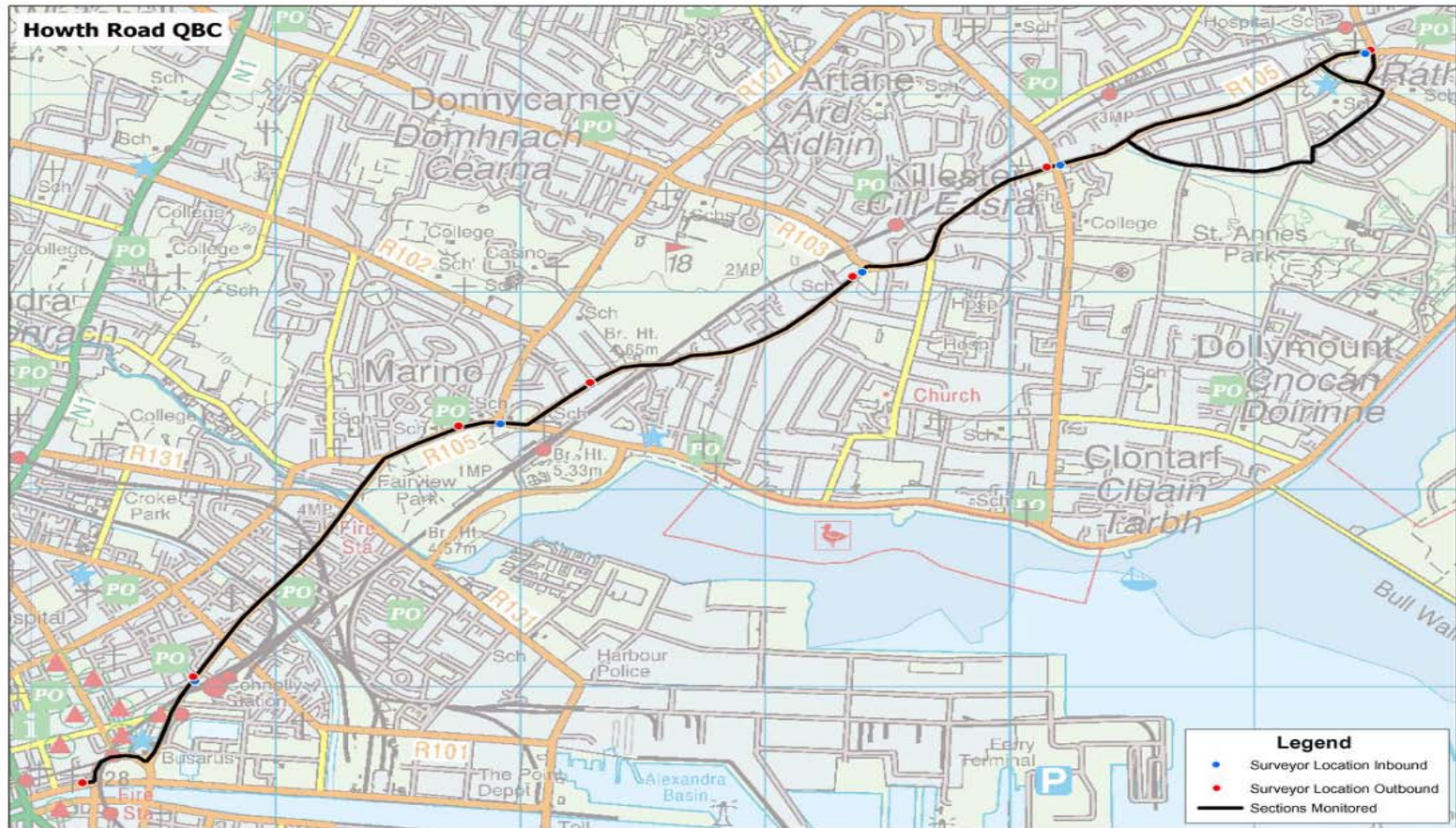
Bray QBC



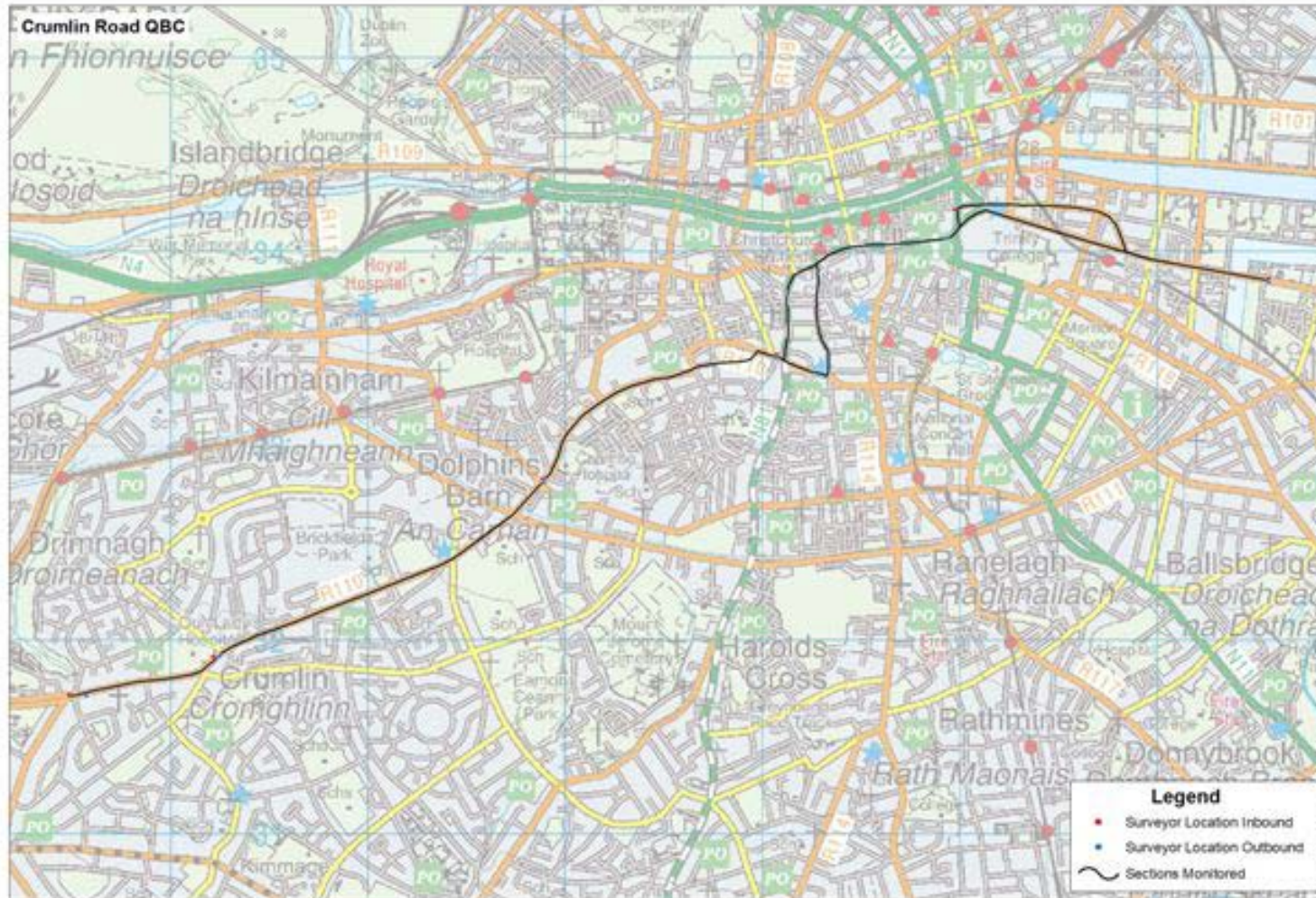
Clontarf QBC



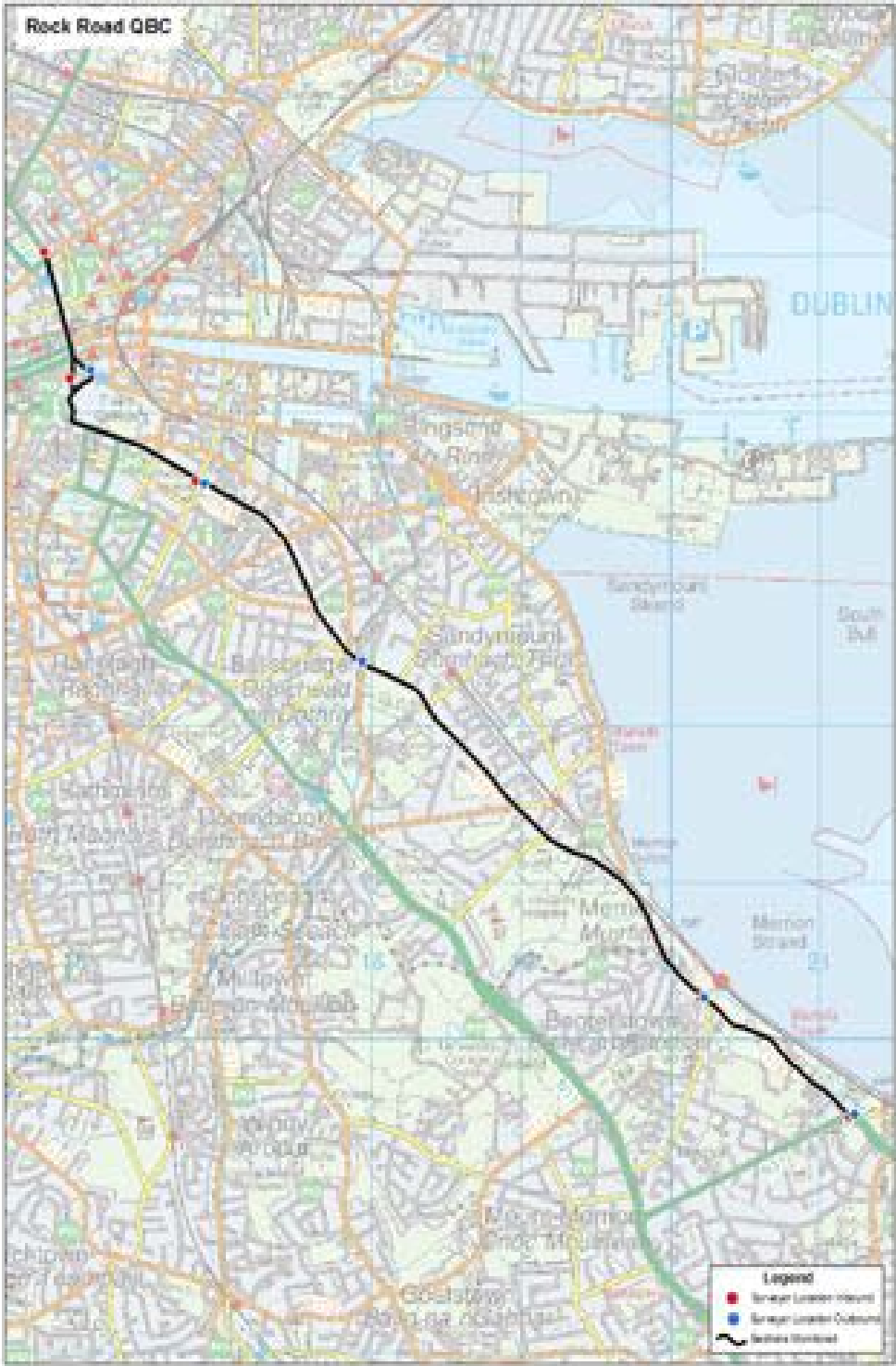
Howth Road QBC



Crumlin Road QBC



Rock Road QBC



South Clondalkin QBC

