
QUALITY BUS CORRIDOR MONITORING REPORT

NOVEMBER 2009

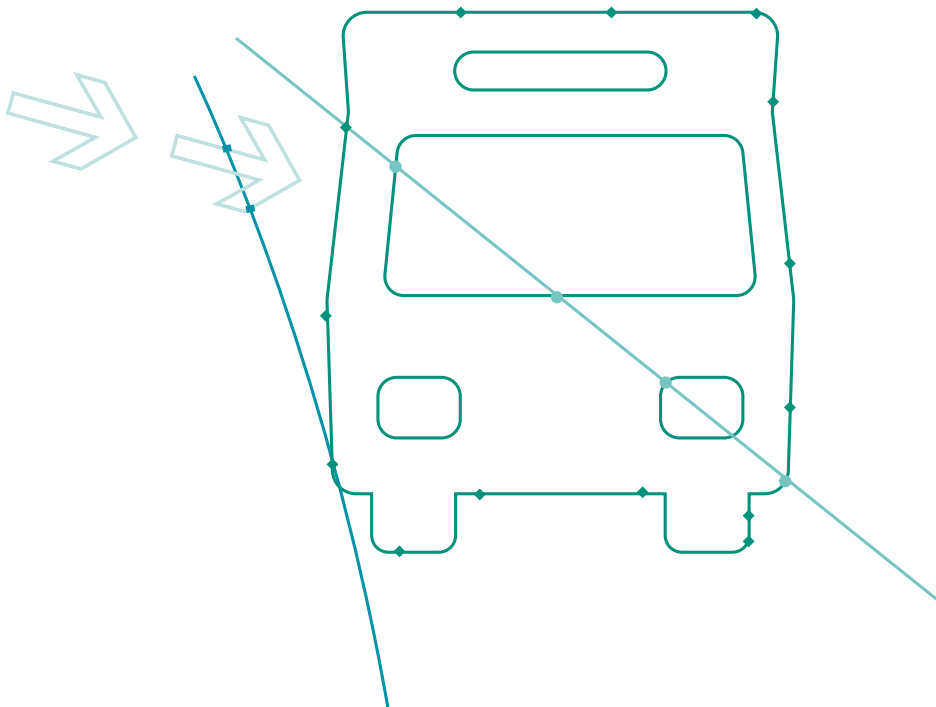


Table of Contents

1. Introduction & Structure of the Report	1
2. Main Findings	2
3. Key Objectives Reports	3
4. Purpose, Scope & Methodology	20
5. QBC Specification	22
6. Summary of Progress	23
7. Comparative Bus & Car Journey Times in the Morning Peak	25
8. Performance Indicators	27
9. Mode Share	30
10. Final Reports	35
11. Sectional Bus and Car Journey Times	44
12. Sectional Bus Speeds	67
13. League Tables	92
14. Pre QBC Reports	97
Appendix 1 November 2009 Survey Points	98

List of Tables

Table 1a	Blanchardstown QBC	4
Table 1b	Finglas QBC	5
Table 1c	Lucan QBC	6
Table 1d	Malahide QBC	7
Table 1e	North Clondalkin QBC	8
Table 1f	Rathfarnham QBC	9
Table 1g	Stillorgan QBC	10
Table 1h	Swords QBC	11
Table 1i	Tallaght QBC	12
Table 1j	Ballymun QBC	13
Table 1k	Bray QBC	14
Table 1l	Clontarf Road QBC	15
Table 1m	Howth Road QBC	16
Table 1n	Crumlin Road QBC	17
Table 1o	Rock Road QBC	18
Table 1p	South Clondalkin QBC	19
Table A	Corridors Monitored in November 2009	21
Table 2	Summary of Progress 1997 – 2009	23
Table 3	Summary of Progress 2008 – 2009	24
Table 4	Comparative Bus and Car Journey Times	26
Table 5	Performance Indicators 2008/2009	28
Table 6	Performance Indicators 2008/2009	29
Table 7	QBC Cordon Points	31
Table 7a	Non QBC Cordon Points	32
Table 7b	Non bus Cordon Points & Cordon Totals	33
Table 7c	Mode Share Summary 1997 to 2009	34
Table 8	Lucan QBC Final Report	36
Table 9a	Blanchardstown QBC	45
Table 9b	Finglas QBC	47
Table 9c	Lucan QBC	48
Table 9d	Malahide QBC	50
Table 9e	North Clondalkin QBC	51

Table 9f	Rathfarnham QBC	52
Table 9g	Stillorgan QBC	54
Table 9h	Swords QBC	55
Table 9i	Tallaght QBC	57
Table 9j	Ballymun QBC	59
Table 9k	Bray QBC	61
Table 9l	Clontarf QBC	62
Table 9m	Howth Road QBC	63
Table 9n	Crumlin Road QBC	64
Table 9o	Rock Road QBC	65
Table 9p	South Clondalkin QBC	66
Table 10a	Blanchardstown QBC	68
Table 10b	Finglas QBC	70
Table 10c	Lucan QBC	71
Table 10d	Malahide QBC	73
Table 10e	North Clondalkin QBC	74
Table 10f	Rathfarnham QBC	75
Table 10g	Stillorgan QBC	77
Table 10h	Swords QBC	79
Table 10h	Swords QBC	80
Table 10i	Tallaght QBC	81
Table 10j	Ballymun QBC	83
Table 10k	Bray QBC	85
Table 10l	Clontarf QBC	86
Table 10m	Howth Road QBC	87
Table 10n	Crumlin Road QBC	88
Table 10o	Rock Road QBC	89
Table 10o	Rock Road QBC	90
Table 10p	South Clondalkin QBC	91
Table 11	Morning Peak Period League Table	93

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.

The functions and responsibilities of Dublin Transportation Office were transferred to the newly created National Transport Authority on 1 December 2009.

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 2009, comparisons are made with the results from 2002 to 2008.

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 2009 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 2009 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 2009 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 Lucan 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 2008.

Section 14 deals with the results from corridors monitored prior to the implementation of bus priority measures.

Appendix 1 is a table showing the complete list of survey points for the November 2009 (Weekday) monitoring exercise.

2. Main Findings

The number of buses supplied by Dublin Bus has increased by 217 (34.28%) from November 1997 to November 2009. See **Table 2** for details. There was a significant decrease of 80 buses in the last 12 months, following cost cutting measures resulting in a reduction in service provision. See **Table 3** for details.

The number of bus passengers crossing the Canal Cordon on QBC corridors has increased by 10,708 (35.06%) from November 1997 to November 2009. See **Table 2** for details. There was a decrease in passenger numbers of 6.60% over the last 12 months. See **Table 3** for details.

Bus average journey times in the morning peak were less than the corresponding car average journey times in 10 out of the 16 QBCs monitored, with significant (greater than 10%) variations in 8 QBCs. See **Table 4** for details.

Bus average journey times in the morning peak have reduced in 12 of the 16 QBCs that were monitored. The most notable improvement was on Crumlin Road QBC with a 24% reduction in average journey time. Bus average speed measured over the 16 QBCs in the morning peak improved from 15.37 kilometres per hour in 2008 to 16.61 kilometres per hour in 2009. The PM Peak figure improved from 14.37 kilometres per hour to 15.74 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.

The detailed results for Lucan QBC highlight the significant improvement in journey times following the introduction of a high proportion of continuous bus priority. See **Table 1c**, **Table 8**, **Table 9c**, and **Table 10c** for details.

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 2009						
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak	PM Peak	New River Rd to Westmoreland Street/Hawkins Street		
A5	Corridor Bus Journey Time (Average)	28:30	35:52			
A5	Corridor Bus Journey Time (Range)	20:18 to 38:12	29:29 to 44:23			
A5	Corridor Bus Speed	17.60 km/h	14.55 km/h			
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Blanchardstown Bypass to Manor Street		
A5	Comparison of Bus v Car Journey Times (Average)	26:28	27:12			
A5	Comparison of Bus v Car Journey Times (Range)	21:54 to 32:44	11:06 to 44:27			
B1	Passenger Wait Times	Target	Actual	Timings at Navan Road Garda Station 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	2:15			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	0			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	5:11			
B1d	Average Off Peak Excess Wait Time	Target	Actual	River Road to Westmoreland Street/Hawkins Street - November 2007		
		2 minutes	1:11			
B2	Boarding & Alighting Time / % of total journey time	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-08	Nov-09	Nov-08	Nov-09	
		37.55%	44.17%	51.04%	46.40%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		0.83%	1.18%	1.94%	1.59%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		6.89%	4.95%	15359	14525	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC Designated QBC Routes		
		4702	4424			

Table 1b Finglas QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT FINGLAS NOVEMBER 2009						
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)	18:30	27:05			
A5	Corridor Bus Journey Time (Range)	14:55 to 21:34	16:55 to 38:59			
A5	Corridor Bus Speed	17.10 km/h	11.25 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)	10:37	19:53			
A5	Comparison of Bus v Car Journey Times (Range)	7:16 to 14:02	12:39 to 29:10			
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	2:58			
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	3:36			
		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-08	Nov-09	Nov-08	Nov-09	
		33.98%	34.42%	52.10%	51.73%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.36%	3.04%	2.68%	2.21%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		8.17%	7.11%	16419	17141	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC Designated QBC Routes		
		2419	2313			

Table 1c Lucan QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT LUCAN NOVEMBER 2009							
Spec Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES			
A5	Corridor Bus Journey Times	AM Peak	PM Peak	Foxhunter Pub to Bachelors Walk/ Wellington Quay via Chapelzod Bypass			
A5	Corridor Bus Journey Time (Average)	28:28	21:03				
A5	Corridor Bus Journey Time (Range)	22:51 to 31:57	18:00 to 26:56				
A5	Corridor Bus Speed	24.02 km/h	31.82 km/h				
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Foxhunter Pub to Arran Quay via Chapelzod Bypass			
A5	Comparison of Bus v Car Journey Times (Average)	21:23	30:50				
A5	Comparison of Bus v Car Journey Times (Range)	16:26 to 24:14	12:05 to 54:03				
B1	Passenger Wait Times	Target	Actual	Timings at Palmerston 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)			
B1a	Average Peak Wait Time	3 minutes	2:39				
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				
B1d	Average Off Peak Excess Wait Time	4 minutes	5:05				
B2	Boarding & Alighting Time / % of total journey time	Target	Actual	Palmerston to Bachelors Walk/Pearse Street - November 2007			
B2	Boarding & Alighting Time / % of total journey time	2 minutes	1:05				
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon		St John's Road & Conyngham Road			
		Car				Bus	
		Nov-08	Nov-09			Nov-08	Nov-09
		40.37%	46.24%			53.13%	48.77%
		Taxi				Cycle	
		Nov-08	Nov-09			Nov-08	Nov-09
		1.57%	1.14%			0.99%	0.81%
		Walking				Total Persons	
		Nov-08	Nov-09			Nov-08	Nov-09
		1.17%	0.92%			13885	13902
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC Designated QBC Routes			
E1	Passenger Journeys (Total)	5116	4685				

Table 1d Malahide QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT MALAHIDE NOVEMBER 2009						
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)	21:12	19:51			
A5	Corridor Bus Journey Time (Range)	11:36 to 33:19	15:28 to 25:30			
A5	Corridor Bus Speed	16.13 km/h	17.12 km/h			
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Greencastle Rd to Amiens Street		
A5	Comparison of Bus v Car Journey Times (Average)	21:12	25:41			
A5	Comparison of Bus v Car Journey Times (Range)	11:36 to 33:19	11:47 to 45:17			
B1	Passenger Wait Times	Target	Actual	Timings at Fairview 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	2:45			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	0			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	2:14			
B1d	Average Off Peak Excess Wait Time	Target	Actual	Greencastle Road to Amiens Street - November 2007		
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak			
		22.02%	15.51%			
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Newcomen Bridge
		Car		Bus		
		Nov-08	Nov-09	Nov-08	Nov-09	
		20.71%	21.23%	62.77%	63.52%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.97%	2.24%	5.25%	5.02%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		7.42%	6.55%	14286	14793	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC Designated QBC Routes		
		4766	4687			

Table 1e North Clondalkin QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT NORTH CLONDALKIN NOVEMBER 2009						
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)	37:35	35:50			
A5	Corridor Bus Journey Time (Range)	29:24 to 45:43	27:53 to 41:11			
A5	Corridor Bus Speed	14.25 km/h	14.98 km/h			
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Coldcut Road to Commarket		
A5	Comparison of Bus v Car Journey Times (Average)	27:57	25:10			
A5	Comparison of Bus v Car Journey Times (Range)	20:27 to 38:12	11:25 to 48:54			
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	4:06			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	1:06			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	5:02			
B1d	Average Off Peak Excess Wait Time	Target	Actual	Coldcut Road to Westmoreland Street/ Aston Quay - November 2007		
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak			
		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-08	Nov-09	Nov-08	Nov-09	
		49.52%	51.41%	43.79%	43.70%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		0.75%	0.73%	1.09%	0.71%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		2.71%	1.87%	4681	4497	
E1	Passenger Journeys (Total)	Nov 2008		Nov 2009		Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		1845		1462		

Table 1f Rathfarnham QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT RATHFARNHAM NOVEMBER 2009						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak	PM Peak	Rathfarnham to Westmoreland Street / College Green		
A5	Corridor Bus Journey Time (Average)	31:51	35:47			
A5	Corridor Bus Journey Time (Range)	17:58 to 39:38	24:51 to 43:24			
A5	Corridor Bus Speed	11.49 km/h	10.87 km/h			
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Rathfarnham to Camden Street		
A5	Comparison of Bus v Car Journey Times (Average)	24:15	22:50			
A5	Comparison of Bus v Car Journey Times (Range)	12:27 to 31:29	8:39 to 45:12			
B1	Passenger Wait Times	Target	Actual	Timings at Canal 0800 - 0900 (AM Peak) & Clanbrassil Street 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	4:06			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	1:06			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	7:29			
B1d	Average Off Peak Excess Wait Time	Target	Actual	Rathfarnham to Westmoreland Street/College Green - November 2007		
		2 minutes	3:29			
B2	Boarding & Alighting Time / % of total journey time	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				Harold's Cross Bridge
		Car		Bus		
		Nov-08	Nov-09	Nov-08	Nov-09	
		41.16%	45.80%	38.27%	34.45%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		0.71%	1.61%	7.03%	6.87%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		9.83%	8.44%	7904	7347	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC QBC Designated Routes		
		1985	1622			

Table 1g Stillorgan QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT STILLORGAN NOVEMBER 2009						
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)	32:04	28:13			
A5	Corridor Bus Journey Time (Range)	25:00 to 40:49	20:11 to 35:45			
A5	Corridor Bus Speed	17.19 km/h	19.47 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)	32:04	41:05			
A5	Comparison of Bus v Car Journey Times (Range)	25:00 to 40:49	16:07 to 71:22			
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	2:20			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	0			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	5:15			
B1d	Average Off Peak Excess Wait Time	Target	Actual	Foxrock Church to Leeson Street - November 2007		
		2 minutes	1:15			
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak			
		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-08	Nov-09	Nov-08	Nov-09	
		31.71%	40.67%	48.95%	41.22%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		0.92%	1.25%	5.37%	5.53%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		10.96%	9.27%	12624	11286	
E1	Passenger Journeys (Total)	Nov 2008	Nov 2009	Cordon Counts (0700 - 1000) BAC QBC Designated Routes		
		4194	3271			

Table 1h Swords QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT SWORDS NOVEMBER 2009						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	49:30		59:35		
A5	Corridor Bus Journey Time (Range)	38:27 to 55:57		48:37 to 69:32		
A5	Corridor Bus Speed	17.16 km/h		14.17 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)	36:50		38:03		
A5	Comparison of Bus v Car Journey Times (Range)	26:08 to 47:20		22:38 to 51:59		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		6:02		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		3:02		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		6:26		
		Target		Actual		
		2 minutes		2:26		
		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-08	Nov-09	Nov-08	Nov-09	
		33.98%	34.42%	52.10%	51.73%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.36%	3.04%	2.68%	2.21%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		8.17%	7.11%	16419	17141	
E1	Passenger Journeys (Total)	Nov 2008		Nov 2009		
		1915		2193		
		Cordon Counts (0700 - 1000) BAC Designated QBC Routes				

Table 1i Tallaght QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT TALLAGHT NOVEMBER 2009						
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)	43:48	47:09			
A5	Corridor Bus Journey Time (Range)	35:27 to 55:04	41:31 to 51:07			
A5	Corridor Bus Speed	12.40 km/h	12.53 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)	32:52	38:28			
A5	Comparison of Bus v Car Journey Times (Range)	27:13 to 42:13	27:02 to 52:19			
B1	Passenger Wait Times	Target	Actual	Timings at Rathmines 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	2:58			
B1b	Average Peak Excess Wait Time	Target	Actual			
		2 minutes	0			
B1c	Average Off Peak Wait Time	Target	Actual			
		4 minutes	3:13			
B1d	Average Off Peak Excess Wait Time	Target	Actual	Templeogue Road to Westmoreland Street/Eden Quay - November 2007		
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-08	Nov-09	Nov-08	Nov-09	
		21.37%	22.95%	49.83%	52.00%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		0.74%	0.99%	7.06%	6.15%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		19.60%	16.96%	9520	9268	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC QBC Designated Routes		
		3245	3233			

Table 1j Ballymun QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT BALLYMUN NOVEMBER 2009						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS				NOTES
A5	Corridor Bus Journey Times	AM Peak		PM Peak		Ballymun to O'Connell Street
A5	Corridor Bus Journey Time (Average)	25:08		29:54		
A5	Corridor Bus Journey Time (Range)	18:15 to 31:13		25:57 to 35:46		
A5	Corridor Bus Speed	15.52 km/h		13.13 km/h		
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak		Car AM Peak		Ballymun to Dorset Street Lower
A5	Comparison of Bus v Car Journey Times (Average)	14:53		12:17		
A5	Comparison of Bus v Car Journey Times (Range)	11:40 to 20:28		6:30 to 19:38		
B1	Passenger Wait Times	Target		Actual		Timings at Ballymun Road 0800 -0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes		3:49		
B1b	Average Peak Excess Wait Time	Target		Actual		
		2 minutes		0:49		
B1c	Average Off Peak Wait Time	Target		Actual		
		4 minutes		3:07		
B1d	Average Off Peak Excess Wait Time	Target		Actual		Ballymun to O'Connell Street via Phibsborough - November 2007
		2 minutes		0		
B2	Boarding & Alighting Time / % of total journey time	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-08	Nov-09	Nov-08	Nov-09	
		37.03%	43.81%	41.00%	40.64%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.40%	2.07%	3.14%	2.30%	
		Walking		Total Persons		
Nov-08	Nov-09	Nov-08	Nov-09			
15.57%	9.41%	7637	7820			
E1	Passenger Journeys (Total)	Nov-08		Nov-09		Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		2075		1684		

Table 1k Bray QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT BRAY NOVEMBER 2009						
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)	23:47	22:36			
A5	Corridor Bus Journey Time (Range)	18:22 to 28:34	17:52 to 27:00			
A5	Corridor Bus Speed	24.03 km/h	25.16 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)	23:47	21:45			
A5	Comparison of Bus v Car Journey Times (Range)	18:22 to 28:34	11:09 to 42:50			
B1	Passenger Wait Times	Target	Actual	Timings at Shankill 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)		
B1a	Average Peak Wait Time	3 minutes	3:49			
B1b	Average Peak Excess Wait Time	Target	Actual			
B1c	Average Off Peak Wait Time	2 minutes	0:49			
B1d	Average Off Peak Excess Wait Time	Target	Actual			
B2	Boarding & Alighting Time / % of total journey time	4 minutes	5:39			
B2	Boarding & Alighting Time / % of total journey time	Target	Actual	Bray Main Street to Foxrock Church - November 2007		
B2	Boarding & Alighting Time / % of total journey time	2 minutes	1:39			
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak	Bray Main Street to Foxrock Church - November 2007		
B2	Boarding & Alighting Time / % of total journey time	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-08	Nov-09	Nov-08	Nov-09	
		47.40%	52.37%	33.14%	26.63%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.37%	2.55%	3.90%	4.86%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		12.19%	11.42%	4152	4037	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC QBC Designated Routes		
E1	Passenger Journeys (Total)	1614	1565			

Table 11 Clontarf Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT CLONTARF NOVEMBER 2009						
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)	7:34		9:29		
A5	Corridor Bus Journey Time (Range)	5:04 to 10:23		6:27 to 12:41		
A5	Corridor Bus Speed	21.75 km/h		18.28 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)	7:34		11:41		
A5	Comparison of Bus v Car Journey Times (Range)	5:04 to 10:23		4:08 to 22:32		
B1	Passenger Wait Times	Target		Actual		Timings at Fairview 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes		3:46		
B1b	Average Peak Excess Wait Time	Target		Actual		
		2 minutes		0:46		
B1c	Average Off Peak Wait Time	Target		Actual		
		4 minutes		4:29		
B1d	Average Off Peak Excess Wait Time	Target		Actual		Clontarf Garage to Fairview - November 2007
		2 minutes		0:29		
B2	Boarding & Alighting Time / % of total journey time	AM Peak		PM Peak		
		23.36%		15.56%		
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon				Newcomen Bridge
		Car		Bus		
		Nov-08	Nov-09	Nov-08	Nov-09	
		20.71%	21.23%	62.77%	63.52%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.97%	2.24%	5.25%	5.02%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		7.42%	6.55%	14286	14793	
E1	Passenger Journeys (Total)	Nov-08		Nov-09		Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		1351		1668		

Table 1m Howth Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT HOWTH ROAD QBC NOVEMBER 2009					
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES	
A5	Corridor Bus Journey Times	AM Peak	PM Peak		
A5	Corridor Bus Journey Time (Average)	12:37	13:52		
A5	Corridor Bus Journey Time (Range)	9:27 to 17:18	11:45 to 16:12	Raheny to Fairview	
A5	Corridor Bus Speed	19.75 km/h	18.81 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)	12:37	9:57	Raheny to Fairview	
A5	Comparison of Bus v Car Journey Times (Range)	9:27 to 17:18	6:20 to 14:58		
B1	Passenger Wait Times	Target	Actual		
B1a	Average Peak Wait Time	3 minutes	5:03		
B1b	Average Peak Excess Wait Time	Target	Actual		
		2 minutes	2:03	Timings at Fairview 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)	
B1c	Average Off Peak Wait Time	Target	Actual		
		4 minutes	6:43		
B1d	Average Off Peak Excess Wait Time	Target	Actual		
		2 minutes	2:43		
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak	Raheny to Fairview - November 2007	
		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-08	Nov-09	Nov-08	Nov-09
		20.71%	21.23%	62.77%	63.52%
		Taxi		Cycle	
		Nov-08	Nov-09	Nov-08	Nov-09
		1.97%	2.24%	5.25%	5.02%
		Walking		Total Persons	
		Nov-08	Nov-09	Nov-08	Nov-09
		7.42%	6.55%	14286	14793
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC QBC Designated Routes	
		1299	1666		

Table 1n Crumlin Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT CRUMLIN ROAD NOVEMBER 2009						
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES		
A5	Corridor Bus Journey Times	AM Peak		PM Peak		
A5	Corridor Bus Journey Time (Average)	23:06		23:09		
A5	Corridor Bus Journey Time (Range)	13:31 to 32:36		18:05 to 28:54		
A5	Corridor Bus Speed	14.39 km/h		14.01 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)	16:38		21:47		
A5	Comparison of Bus v Car Journey Times (Range)	9:21 to 25:51		8:43 to 44:46		
B1	Passenger Wait Times	Target		Actual		
B1a	Average Peak Wait Time	3 minutes		3:01		
B1b	Average Peak Excess Wait Time	Target		Actual		
B1c	Average Off Peak Wait Time	2 minutes		0:01		
B1d	Average Off Peak Excess Wait Time	Target		Actual		
B2	Boarding & Alighting Time / % of total journey time	4 minutes		2:44		
		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-08	Nov-09	Nov-08	Nov-09	
		44.20%	49.14%	46.40%	41.86%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.32%	1.61%	2.01%	1.53%	
		Walking		Total Persons		
		Nov-08	Nov-09	Nov-08	Nov-09	
		3.52%	3.47%	7021	6536	
E1	Passenger Journeys (Total)	Nov-08		Nov-09		
		2856		2371		
		Cordon Counts (0700 - 1000) BAC QBC Designated Routes				

Table 1o Rock Road QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT ROCK ROAD NOVEMBER 2009				
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)	28:46	34:25	
A5	Corridor Bus Journey Time (Range)	21:59 to 37:47	29:40 to 41:21	
A5	Corridor Bus Speed	17.24 km/h	13.44 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)	22:43	26:08	
A5	Comparison of Bus v Car Journey Times (Range)	14:43 to 30:11	18:01 to 38:36	
B1	Passenger Wait Times	Target	Actual	Timings at Ballsbridge 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes	3:49	
B1b	Average Peak Excess Wait Time	Target	Actual	
		2 minutes	0:49	
B1c	Average Off Peak Wait Time	Target	Actual	
		4 minutes	4:30	
B1d	Average Off Peak Excess Wait Time	Target	Actual	
		2 minutes	0:30	
B2	Boarding & Alighting Time / % of total journey time	AM Peak	PM Peak	Blackrock to O'Connell Street - November 2007
		7.01%	15.09%	
D1	Assess & Quantify the Effect of QBC on all Modes (Time Series Analysis)	% Mode share at Canal Cordon		Mount Street Bridge
		Car		
		Nov-08	Nov-09	
		47.40%	52.37%	
		Bus		
		Nov-08	Nov-09	
		33.14%	26.63%	
		Taxi		
		Nov-08	Nov-09	
		1.37%	2.55%	
		Cycle		
		Nov-08	Nov-09	
		3.90%	4.86%	
		Walking		
		Nov-08	Nov-09	
		12.19%	11.42%	
		Total Persons		
		Nov-08	Nov-09	
		4152	4137	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		1123	880	

Table 1p South Clondalkin QBC

QUALITY BUS CORRIDOR MONITORING ANNUAL SUMMARY REPORT SOUTH CLONDALKIN NOVEMBER 2009				
Spec. Ref	KEY OBJECTIVES	PERFORMANCE INDICATORS		NOTES
A5	Corridor Bus Journey Times	AM Peak	PM Peak	Grange Castle to Bachelors Walk/College Green
A5	Corridor Bus Journey Time (Average)	49:45	45:30	
A5	Corridor Bus Journey Time (Range)	38:03 to 60:43	38:06 to 48:15	
A5	Corridor Bus Speed	15.73 km/h	17.02 km/h	
A5	Comparison of Corridor Journey Times Bus v Car	Bus AM Peak	Car AM Peak	Grange Castle to Bachelors Walk
A5	Comparison of Bus v Car Journey Times (Average)	49:45	44:49	
A5	Comparison of Bus v Car Journey Times (Range)	38:03 to 60:43	26:36 to 75:29	
B1	Passenger Wait Times	Target	Actual	Timings at Nangor Road 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
B1a	Average Peak Wait Time	3 minutes	7:01	
B1b	Average Peak Excess Wait Time	Target	Actual	
B1c	Average Off Peak Wait Time	2 minutes	4:01	
B1d	Average Off Peak Excess Wait Time	Target	Actual	
B2	Boarding & Alighting Time / % of total journey time	4 minutes	9:19	
		Target	Actual	Grange Castle to Bachelors Walk/College Green - November 2007
		2 minutes	5:19	
		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		
		Nov-08	Nov-09	
		44.20%	49.14%	
		Bus		
		Nov-08	Nov-09	
		46.40%	41.86%	
		Taxi		
		Nov-08	Nov-09	
		1.32%	1.61%	
		Cycle		
		Nov-08	Nov-09	
		1.32%	1.53%	
		Walking		
		Nov-08	Nov-09	
		3.52%	3.47%	
		Total Persons		
		Nov-08	Nov-09	
		7021	6536	
E1	Passenger Journeys (Total)	Nov-08	Nov-09	Cordon Counts (0700 - 1000) BAC QBC Designated Routes
		613	563	

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 2009.

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. *Count On Us*, following a competitive tender, carried out the 2009 surveys.

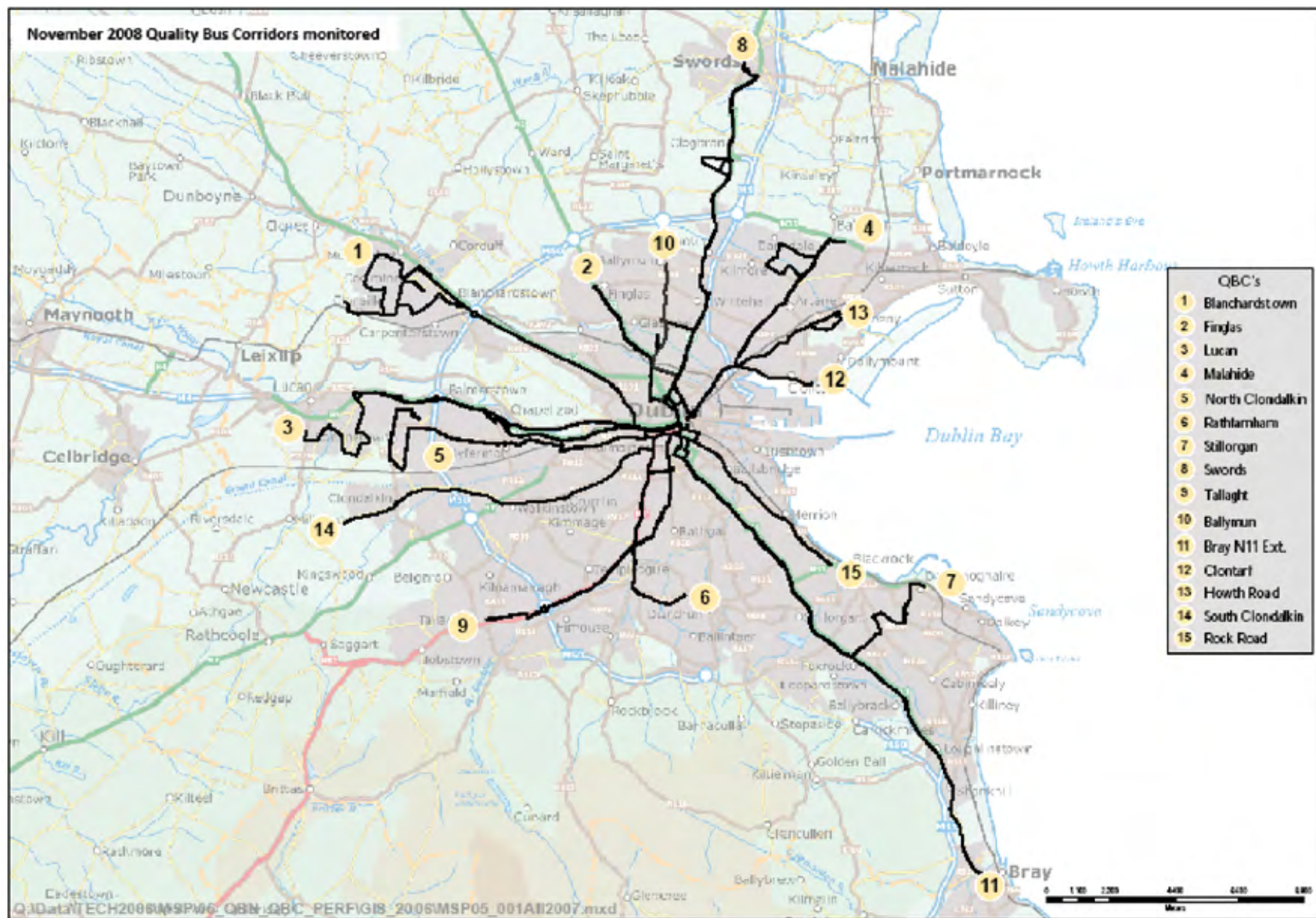
Traffic Cordon Counts were undertaken by Dublin City Council measuring the volume of citybound traffic and persons in the morning peak period with a view to reporting on modal share. Dublin Bus undertook bus passenger counts of all citybound passengers crossing the Canal Cordon. The Railway Procurement 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 2009



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 2009

Table 2 is a summary of the progress that has been made from November 1997 to November 2009 in respect of the increase in bus service supply and resultant patronage.

Table 2 Summary of Progress 1997 – 2009

QBC Monitoring Nov 1997 / Nov 2009 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-09	% Change
Stillorgan	CARS	5794	3793	-34.54
	BUSES	40	110	175.00
	BUS PAX	1787	4378	144.99
Blanchardstown	CARS	5963	4924	-17.42
	BUSES	83	125	50.60
	BUS PAX	4573	5636	23.25
Lucan	CARS	6104	5049	-17.28
	BUSES	71	100	40.85
	BUS PAX	4303	5776	34.23
Finglas / Swords	CARS	5678	4917	-13.40
	BUSES	112	169	50.89
	BUS PAX	5670	6831	20.48
North Clondalkin	CARS	1555	1895	21.86
	BUSES	46	37	-19.57
	BUS PAX	2079	1965	-5.48
Malahide	CARS	4620	2512	-45.63
	BUSES	133	163	22.56
	BUS PAX	4747	9314	96.21
Tallaght	CARS	3314	1818	-45.14
	BUSES	72	93	29.17
	BUS PAX	4098	4819	17.59
Rathfarnham	CARS	3605	2758	-23.50
	BUSES	76	53	-30.26
	BUS PAX	3285	2531	-22.95
Total	CARS	36633	27666	-24.48
	BUSES	633	850	34.28
	BUS PAX	30542	41250	35.06

6.2 Changes from 2008 to 2009

Table 3 shows the changes in the last 12 months. There has been a significant decrease in the supply of buses and a 6.60% decrease in passengers.

Table 3 Summary of Progress 2008 – 2009

QBC Monitoring Nov 2008 / Nov 2009 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-08	Nov-09	% Change
Stillorgan	CARS	3481	3793	8.96
	BUSES	127	110	-13.39
	BUS PAX	5808	4378	-24.62
Blanchardstown	CARS	5016	4924	-1.83
	BUSES	135	125	-7.41
	BUS PAX	6108	5636	-7.73
Lucan	CARS	4918	5049	2.66
	BUSES	114	100	-12.28
	BUS PAX	6412	5776	-9.92
Finglas / Swords	CARS	4851	4917	1.36
	BUSES	168	169	0.60
	BUS PAX	7050	6831	-3.11
North Clondalkin	CARS	2016	1895	-6.00
	BUSES	38	37	-2.63
	BUS PAX	2050	1965	-4.15
Malahide	CARS	2573	2512	-2.37
	BUSES	191	163	-14.66
	BUS PAX	8968	9314	3.86
Tallaght	CARS	1769	1818	2.77
	BUSES	98	93	-5.10
	BUS PAX	4744	4819	1.58
Rathfarnham	CARS	2829	2758	-2.51
	BUSES	59	53	-10.17
	BUS PAX	3025	2531	-16.33
Total	CARS	27453	27666	0.78
	BUSES	930	850	-8.60
	BUS PAX	44165	41250	-6.60

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 10 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 2009 SUMMARY OF AM PEAK COMPARATIVE BUS AND CAR JOURNEY TIMES					
Corridor	Section Measured	Bus Average Journey Time	Car Average Journey Time	Time Difference	% Difference
Finglas	Finglas to Dorset Street Lower	10:37	19:53	9:16	87.3%
Clontarf	Clontarf Bus Garage to Fairview	7:34	11:41	4:07	54.4%
Lucan	Foxhunter to Arran Quay via Chapelized Bypass	21:23	30:50	9:27	44.2%
Crumlin Road	Drimnagh Road to Patrick Street	16:38	21:47	5:09	31.0%
Stillorgan	Foxrock Church to Leeson Street	32:04	41:05	9:01	28.1%
Malahide	Greencastle Road to Amiens Street	21:12	25:41	4:29	21.1%
Tallaght	West of M50 to Camden Street	32:52	38:28	5:36	17.0%
Rock Road	Blackrock to Merrion Square	22:43	26:08	3:25	15.0%
Swords	Airside Business Park to Dorset Street Lower	36:50	38:03	1:13	3.3%
Blanchardstown	Blanchardstown Bypass to Manor Street	26:28	27:12	0:44	2.8%
Rathfarnham	Rathfarnham to Camden Street	24:15	22:50	(1:25)	(5.8%)
Bray	Bray to Foxrock Church	23:47	21:45	(2:02)	(8.7%)
North Clondalkin	Coldcut Road to Cornmarket	27:57	25:10	(2:47)	(9.9%)
South Clondalkin	Grange Castle to Bachelors Walk	49:45	44:49	(4:56)	(9.9%)
Ballymun	Ballymun to Dorset Street Lower	14:53	12:17	(2:36)	(15.7%)
Howth Road	Raheny to Fairview	12:37	9:57	(2:40)	(21.1%)

8. Performance Indicators

8.1 Performance Indicators 2008 to 2009

Table 5 shows comparative performance indicators for the years 2008 and 2009. 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 2008 to 2009

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

Table 5 Performance Indicators 2008/2009

QBC Performance Indicators Comparison 2008 - 2009																						
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	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
Blanchardstown	31:16	28:30	16.03	17.60	40:12	36:52	12.98	14.55	4702	4424	5016	4924	51.04%	46.40%	2:03	2:15	4:05	5:11	4.02	4.19	91%	97%
Position	N/A	N/A	5	2	N/A	N/A	6	5	3	3	1	2	5	6	3	1	4	6	1		1	5
Finglas	17:04	18:30	18.53	17.10	38:11	27:05	7.98	11.25	2419	2313	4851	4917	52.10%	51.73%	2:23	2:58	3:45	3:36	7.40	1.59	26%	100%
Position	N/A	N/A	3	5	N/A	N/A	9	8	6	6	3	3	3	3	5	5	3	3	8	1	8	1
Lucan	28:35	28:28	23.92	24.02	26:40	21:03	25.11	31.82	5116	4685	4918	5049	53.13%	48.77%	1:59	2:39	5:49	5:05	4.72	5.14	88%	100%
Position	N/A	N/A	1	1	N/A	N/A	1	1	1	2	2	1	2	5	1	3	5	5	2		2	1
Malahide	22:34	21:12	15.16	16.13	18:37	19:51	18.25	17.12	4766	4687	2573	2512	62.77%	63.52%	2:30	2:45	2:23	2:14	5.72	4.48	74%	98%
Position	N/A	N/A	6	6	N/A	N/A	2	3	2	1	7	7	1	1	6	4	1	1	4		4	4
North Clondalkin	41:33	37:35	12.89	14.25	45:43	35:50	11.74	14.98	1845	1462	2016	1895	43.79%	43.70%	7:09	4:06	6:59	5:02	10.10	8.75	0%	42%
Position	N/A	N/A	7	7	N/A	N/A	7	4	9	9	8	8	8	7	9	8	8	4	9		9	9
Rathfarnham	37:17	31:51	9.81	11.49	33:38	35:47	11.57	10.87	1985	1622	2829	2758	38.27%	34.45%	6:09	4:06	7:50	7:29	6.57	6.90	62%	85%
Position	N/A	N/A	9	9	N/A	N/A	8	9	7	8	6	6	9	9	8	7	9	9	5		6	7
Stillorgan	29:15	32:04	18.84	17.19	30:15	28:13	18.16	19.47	4194	3271	3481	3793	48.95%	41.22%	2:00	2:20	5:56	5:15	5.39	5.48	76%	96%
Position	N/A	N/A	2	3	N/A	N/A	3	2	4	4	5	5	7	8	2	2	6	7	3		3	6
Swords	48:20	49:30	17.58	17.16	56:05	59:35	15.06	14.17	1915	2193	4851	4917	52.10%	51.73%	3:58	6:02	6:32	6:26	6.75	5.43	58%	100%
Position	N/A	N/A	4	4	N/A	N/A	4	6	8	7	3	3	3	3	7	9	7	8	7		7	1
Tallaght	42:40	43:48	12.73	12.40	43:16	47:09	13.65	12.53	3245	3233	1769	1818	49.83%	52.00%	2:08	2:58	3:35	3:13	6.62	7.66	64%	67%
Position	N/A	N/A	8	8	N/A	N/A	5	7	5	5	9	9	6	2	4	5	2	2	6		5	8
Totals for 9 QBCs	N/A	N/A	15.70	16.09	N/A	N/A	14.27	15.29	30187	27890	27453	27666	50.42%	49.48%	3:22	3:23	5:13	4:51	5.79	5.10	68%	91%
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 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 2008/2009

QBC Performance Indicators Comparison 2008 - 2009																						
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	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
Ballymun	31:59	25:08	12.19	15.52	35:28	29:54	11.38	13.13	2075	1684	2459	2465	41.00%	40.64%	3:45	3:49	4:11	3:07	5.48	6.76	93%	100%
	N/A	N/A	6	6	N/A	N/A	7	7	2	2	3	5	5	5	3	3	4	2	5	5	4	1
Bray	25:11	23:47	22.69	24.03	23:19	22:36	24.38	25.16	1614	1665	1711	1705	33.14%	26.63%	3:59	3:49	3:57	5:39	2.30	2.81	90%	100%
	N/A	N/A	1	1	N/A	N/A	1	1	3	5	1	1	6	6	4	3	2	5	1	1	5	1
Clontarf	7:57	7:34	20.70	21.75	9:09	9:29	18.94	18.28	1351	1668	2573	2512	62.77%	63.52%	3:32	3:46	5:06	4:29	5.24	7.50	100%	100%
	N/A	N/A	2	2	N/A	N/A	2	3	4	3	4	6	1	1	2	2	6	3	4	7	1	1
Crumlin Road	30:33	23:06	10.88	14.39	27:44	23:09	11.69	14.01	2856	2371	2698	2433	46.40%	41.86%	2:44	3:01	2:20	2:44	6.24	7.18	78%	75%
	N/A	N/A	7	7	N/A	N/A	6	5	1	1	6	3	3	3	1	1	1	1	7	6	6	7
Howth Road	15:13	12:37	16.38	19.75	15:33	13:52	16.78	18.81	1299	1666	2573	2512	62.77%	63.52%	7:16	5:03	4:34	6:43	6.00	4.76	53%	88%
	N/A	N/A	3	3	N/A	N/A	3	2	6	4	4	6	1	1	7	6	5	6	6	3	7	6
Rock Road	32:11	28:46	15.41	17.24	37:34	34:25	12.32	13.44	1123	880	1711	1705	33.14%	26.63%	5:58	3:49	3:57	4:30	5.03	5.59	100%	100%
	N/A	N/A	4	4	N/A	N/A	5	6	6	6	1	1	6	6	5	3	2	4	3	4	1	1
South Clondalkin	57:45	49:45	13.55	15.73	55:21	45:30	13.99	17.02	613	563	2698	2433	46.40%	41.86%	7:10	7:01	6:06	9:19	3.30	3.00	100%	100%
	N/A	N/A	5	5	N/A	N/A	4	4	7	7	6	3	3	3	6	7	7	7	2	2	1	1
Totals for 7 QBCs	N/A	N/A	14.87	18.52	N/A	N/A	14.54	17.37	10318	10319	11152	10820	N/A	N/A	4:53	4:18	4:16	5:02	5.22	5.72	87%	92%
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.

The counts 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 2009

Table 7 QBC Cordon Points

Mode Share - November 2009																	
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 1.21	4652	41.22%			4590	40.67%	141	1.25%	21	0.19%	212	1.88%	624	5.53%	1046	9.27%	11286
Lucan 1.27	6780	48.77%			6428	46.24%	159	1.14%	133	0.96%	162	1.17%	112	0.81%	128	0.92%	13902
Blanchardstown 1.3	6740	46.40%			6415	44.17%	171	1.18%	89	0.61%	160	1.10%	231	1.59%	719	4.95%	14525
Malahide 1.25	9397	29.72%	16823	63.21%	3140	9.93%	331	1.05%	33	0.10%	181	0.57%	742	2.35%	969	3.06%	31616
Tallaght 1.17	4819	52.00%			2127	22.95%	92	0.99%	20	0.22%	68	0.73%	570	6.15%	1572	16.96%	9268
Swords/Finglas 1.20	8867	51.73%			5900	34.42%	521	3.04%	50	0.29%	207	1.21%	378	2.21%	1218	7.11%	17141
Rathfarnham 1.22	2531	34.45%			3365	45.80%	118	1.61%	39	0.53%	169	2.30%	505	6.87%	620	8.44%	7347
North Clondalkin 1.22	1965	43.70%			2312	51.41%	33	0.73%	32	0.71%	39	0.87%	32	0.71%	84	1.87%	4497
Crumlin Road 1.32	2736	41.86%			3212	49.14%	105	1.61%	99	1.51%	57	0.87%	100	1.53%	227	3.47%	6536
Rock Road 1.24	1075	26.63%			2114	52.37%	103	2.55%	17	0.42%	71	1.76%	196	4.86%	461	11.42%	4037
Phibsborough Rd 1.39	3178	40.64%			3426	43.81%	162	2.07%	65	0.83%	73	0.93%	180	2.30%	736	9.41%	7820
QBC Totals	52740	41.21%	16823	13.15%	43029	33.62%	1936	1.51%	598	0.47%	1399	1.09%	3670	2.87%	7780	6.08%	127975

Table 7a Non QBC Cordon Points

Mode Share - November 2009																			
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 1.11	245	2.73%			5955	66.30%	1423	15.84%	30	0.33%	14	0.16%	41	0.46%	320	3.58%	954	10.62%	8982
South Circular Rd 1.12	533	6.10%	3077	35.21%	2821	32.28%	2065	23.63%	26	0.30%	12	0.14%	29	0.33%	50	0.57%	127	1.45%	8740
Charleville Road 1.34	697	42.04%					791	47.71%	17	1.03%	7	0.42%	9	0.54%	25	1.51%	112	6.76%	1658
Baggot Street 1.15	519	13.41%					2010	51.94%	133	3.44%	22	0.57%	71	1.83%	228	5.89%	887	22.92%	3870
Ballybough Rd 1.20	642	10.16%					4926	77.94%	73	1.16%	38	0.60%	40	0.63%	133	2.10%	468	7.41%	6320
Barrow Street 1.13	626	15.78%					1692	42.85%	219	5.52%	46	1.16%	44	1.11%	149	3.76%	1191	30.02%	3967
Clogher Road 1.19	166	6.45%					2073	80.54%	30	1.17%	18	0.70%	21	0.82%	75	2.91%	191	7.42%	2574
Non QBC Totals	3428	9.45%	3077	8.48%	8776	24.19%	15142	41.74%	528	1.46%	157	0.43%	255	0.70%	980	2.70%	3930	10.83%	36273
QBC Totals	52740	41.21%	16832	13.15%	0		43029	33.62%	1936	1.51%	598	0.47%	1399	1.09%	3670	2.87%	7780	6.08%	127984
All Bus Crossings	56168	34.20%	19909	12.12%	8776	5.34%	58171	35.41%	2464	1.50%	755	0.46%	1654	1.01%	4650	2.83%	11710	7.13%	164257

Table 7b Non bus Cordon Points & Cordon Totals

Mode Share - November 2009																			
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 1.21	0		5814	66.63%			1715	19.65%	93	1.07%	26	0.30%	46	0.53%	112	1.28%	920	10.54%	8726
Huband Bridge 1.28	0						534	51.90%	22	2.14%	3	0.29%	23	2.24%	139	13.51%	308	29.93%	1029
Herberton Bridge 1.18	0						2493	87.54%	51	1.79%	34	1.19%	28	0.98%	101	3.55%	141	4.95%	2848
Kilmainham Lane 1.12	0						821	87.62%	2	0.21%	2	0.21%	31	3.31%	43	4.59%	38	4.06%	937
Phoenix Park Main 1.21	0						923	67.08%	1	0.07%	1	0.07%	81	5.89%	179	13.01%	191	13.88%	1376
Phoenix Park Back 1.17	0						1633	93.10%	5	0.29%	8	0.46%	5	0.29%	20	1.14%	83	4.73%	1754
Annamore Road 1.19	0						732	70.93%	37	3.59%	8	0.78%	7	0.68%	35	3.39%	213	20.64%	1032
Royal Canal Bank 1.37	0						23	10.31%	0	0.00%	0	0.00%	1	0.45%	57	25.56%	142	63.68%	223
Russell Street 1.23	0						1421	80.10%	34	1.92%	18	1.01%	11	0.62%	49	2.76%	241	13.59%	1774
Ossory Road 1.31	0						227	62.36%	38	10.44%	6	1.85%	5	1.37%	19	5.22%	69	18.96%	364
Sheriff St Lower 1.22	0						1310	78.40%	14	0.84%	63	3.77%	15	0.90%	28	1.68%	241	14.42%	1671
North Wall Quay 1.21	0						1344	67.27%	53	2.65%	149	7.46%	25	1.25%	88	4.40%	339	16.97%	1998
Non Bus Totals	0	0.00%	5814	24.50%	0		13176	55.52%	350	1.47%	318	1.34%	278	1.17%	870	3.67%	2926	12.33%	23732
Non QBC Totals	3428	9.49%	3077	8.52%	8776	24.30%	14980	41.48%	528	1.46%	157	0.43%	255	0.71%	980	2.71%	3930	10.88%	36111
QBC Totals	52740	41.21%	16832	13.15%	0		43029	33.62%	1936	1.51%	598	0.47%	1399	1.09%	3670	2.87%	7780	6.08%	127984
All Bus Crossings	56168	34.23%	19909	12.13%	8776	5.35%	58009	35.35%	2464	1.50%	755	0.46%	1654	1.01%	4650	2.83%	11710	7.14%	164095
All Crossings (Car Occupancy)	56168	29.90%	25723	13.70%	8776	4.67%	71185	37.90%	2814	1.50%	1073	0.57%	1932	1.03%	5520	2.94%	14636	7.79%	187827

Table 7c Mode Share Summary 1997 to 2009

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%
2009	187827	56168	29.90%	25723	13.70%	8776	4.67%	90667	48.27%	71185	37.90%	2814	1.50%	14636	7.79%	5520	2.94%	1073	0.57%	1932	1.03%

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 Lucan QBC is presented in this section.

Reports for all 16 QBCs can be obtained from Michael Warnock-Smith of National Transport Authority at the following e-mail address:
michael.warnock-smith@nationaltransport.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 2009 with 2008 and comparing 2009 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 Lucan QBC Final Report

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009				
A	INFRASTRUCTURE OBJECTIVES	PERFORMANCE INDICATORS		NOTES
1	QBC starts on regional or higher classification road	Start Point	End Point	
		Foxhunter Pub	City Centre	
2	Bus services to have priority access to QBC from lower classification roads	No.of signalised jcts	% prioritised	
		1	0%	
3	Bus journey speeds to be 20kph minimum	Average journey speeds		Foxhunter to Bachelors Walk via Chapelizod Bypass
	Foxhunter to Bachelors Walk via Chapelizod Bypass	AM Peak Inbound		
		24.02 km/h		
	Foxhunter to Bachelors Walk via Chapelizod Bypass	Off Peak Inbound		
	24.86 km/h		Foxhunter to Bachelors Walk via Chapelizod Bypass	
	Wellington Quay to Foxhunter via Chapelizod Bypass	PM Peak Outbound		Wellington Quay to Foxhunter via Chapelizod Bypass
		31.82 km/h		
3a	Bus journey speeds to increase by 25% pre and post QBC implementation	Pre QBC average journey speeds		Dublin City Council November 1999
		AM Peak Inbound	Off Peak Inbound	Pre QBC information not available on common section
	17.80 km/h	30.81 km/h		
	PM Peak Outbound			
	Woodies to City Centre	22.62 km/h		
		% increase		Comparison not applicable as data excludes boarding & alighting time
	AM Peak	Off Peak		
N/A	N/A			
PM Peak				
	N/A			

Table 8 Lucan QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009							
A	INFRASTRUCTURE OBJECTIVES		PERFORMANCE INDICATORS		NOTES		
4	Corridor to have segregated bus lanes where physically feasible		% Segregated		Foxhunter to Bachelors Walk via Chapelized Bypass Inbound		
			Inbound	Outbound		Inbound	Outbound
			75%	54%	25%	46%	Wellington Quay to Foxhunter via Chapelized Bypass Outbound
5	Bus Journey Times (Average)	AM Peak Inbound	AM Peak				
	Foxhunter to Bachelors Walk via Chapelized Bypass		28:28		Foxhunter to Bachelors Walk via Chapelized Bypass		
5	Bus Journey Times (Average)	Off Peak Inbound	Off Peak				
	Foxhunter to Bachelors Walk via Chapelized		26:44		Foxhunter to Bachelors Walk via Chapelized		
5	Bus Journey Times (Average)	PM Peak Outbound	PM Peak				
	Wellington Quay to Foxhunter via Chapelized Bypass		21:03		Wellington Quay to Foxhunter via Chapelized Bypass		
5	Comparable Bus v Car Journey Times (Average)	AM Peak Inbound	Bus AM Peak	Car AM Peak			
	Foxhunter to Bachelors Walk via Chapelized Bypass		21:23	30:50	Foxhunter to Arran Quay via Chapelized Bypass		
5	Comparable Bus v Car Journey Times (Average)	Off Peak Inbound	Bus Off Peak	Car Off Peak			
	Foxhunter to Bachelors Walk via Chapelized		21:32	13:48	Foxhunter to Arran Quay via Bypass		
5	Comparable Bus v Car Journey Times (Average)	PM Peak Outbound	Bus PM Peak	Car PM Peak			
	Wellington Quay to Foxhunter via Bypass		21:03	19:58	Wellington Quay to Foxhunter via Bypass		

Table 8 Lucan QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009							
A	INFRASTRUCTURE OBJECTIVES		PERFORMANCE INDICATORS				NOTES
5	Bus Sectional Journey Times (Range)	AM Peak	AM Peak				
			Low	High	Low	High	
	Foxhunter to Bachelors Walk via Chapelizod Bypass		22:51	31:57	Foxhunter to Bachelors Walk via Chapelizod Bypass		
5	Bus Sectional Journey Times (Range)	Off Peak	Off Peak				
			Low	High	Low	High	
	Foxhunter to Bachelors Walk via Chapelizod		22:52	30:09	Foxhunter to Bachelors Walk via Chapelizod		
5	Bus Sectional Journey Times (Range)	PM Peak	PM Peak				
			Low	High	Low	High	
	Wellington Quay to Foxhunter via Chapelizod Bypass		18:00	26:56	Wellington Quay to Foxhunter via Chapelizod Bypass		
5	Comparable Bus v Car Journey Times (Range)	AM Peak	Bus		Car		
			AM Peak		AM Peak		
			Low	High	Low	High	
	Foxhunter to Bachelors Walk via Chapelizod Bypass		16:26	24:14	12:05	54:03	Foxhunter to Arran Quay via Chapelizod Bypass
5	Comparable Bus v Car Journey Times (Range)	Off Peak	Bus		Car		
			Off Peak		Off Peak		
			Low	High	Low	High	
	Foxhunter to Bachelors Walk via Chapelizod		18:01	24:34	9:06	19:21	Foxhunter to Arran Quay via Chapelizod

Table 8 Lucan QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009							
A	INFRASTRUCTURE OBJECTIVES		PERFORMANCE INDICATORS				NOTES
5	Comparable Bus v Car Journey Times (Range)	PM Peak	Bus		Car		Wellington Quay to Foxhunter via Bypass
			PM Peak		PM Peak		
	Low	High	Low	High			
	Wellington Quay to Foxhunter via Bypass		18:00	26:56	13:42	31:08	
6	Traffic Management Measures to support QBC		No. of Signalised Jcts		% Prioritised		
			19	Inbound	0%		
			14	Outbound			
7	Bus Lanes to operate for 12 hours (0700 to 1900)		% Peak Hours only		% 12 hour		
			3%		7%		
			% 24 hour		% 7-10 & 12-19		
			75%		15%		
7a	Bus Lanes to be clearly defined		% surface marked		% signed		
			100%		100%		
8	Bus stops to be located to minimise walk times		Average distance to Ped X		Maximum distance to Ped X		
			109m		346m		

Table 8 Lucan QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009				
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
		34		63
		% with lighting	% with seating	% bus shelters
		91%	85%	
		% with telephones	% with ticket vending	
		0%	0%	
		% with cycle parking	Range of cycle spaces	
		0%	N/A	
% level platforms	% fully accessible			
26%	26%			
10	Passenger Information	% shelters with RTPPI	% working	% bus shelters
10a	Real Time Passenger Information at high usage stops	32%	27%	
10b	Fixed Information at bus stops eg route & network maps & timetables	% timetables	% route maps	% bus stops
		91%	83%	
		% network maps	% fares information	
82%	82%			

Table 8 Lucan QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009				
B	SERVICE OBJECTIVES	PERFORMANCE INDICATORS		NOTES
1	Passenger Wait Times			
1a	Average Peak Wait Time	Target	Actual	Timings at Palmerston 0800 - 0900 (AM Peak) & 1200 - 1300 (Off Peak)
		3 minutes	2:39	
1b	Average Peak Excess Wait Time	Target	Actual	
		2 minutes	0	
1c	Average Off Peak Wait Time	Target	Actual	
		4 minutes	5:05	
1d	Average Off Peak Excess Wait Time	Target	Actual	
		2 minutes	1:05	
2	Boarding & Alighting time / % of total journey time	AM Peak	PM Peak	Palmerston to Bachelors Walk/Pearse Street - November 2007
		13.28%	9.72%	
C	FLEET OBJECTIVES	PERFORMANCE INDICATORS		NOTES
2	Average Fleet age	Average Fleet age		
		5.14		
2a	Maximum Fleet age	Maximum Fleet age		
		9		
3	QBC to be operated by uniformed staff	% staff uniformed		
		100%		
4	QBC to be operated by low floor buses	% of low floor buses		
		100%		

Table 8 Lucan QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009			
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 1.27
		Car		Bus		
		Nov-08	Nov-09	Nov-08	Nov-09	
		40.37%	46.24%	53.13%	48.77%	
		Taxi		Cycle		
		Nov-08	Nov-09	Nov-08	Nov-09	
		1.57%	1.14%	0.99%	0.81%	
		Walking		Total Persons		
Nov-08	Nov-09	Nov-08	Nov-09			
1.17%	0.92%	13885	13902			

Table 8 Lucan QBC Final Report (continued)

QUALITY BUS CORRIDOR MONITORING ANNUAL REPORT LUCAN NOVEMBER 2009						
D	NETWORK PERFORMANCE	PERFORMANCE INDICATORS				NOTES
2	Assess the before & after impact of QBC on all Modes (Pre & Post QBC Analysis)	% Mode share				November 2009 Cordon Count includes all bus passengers
		Car		Bus		
		Pre QBC	Nov-09	Pre QBC	Nov-09	November 1999 Cordon Count includes Dublin Bus passengers only
		59.04%	46.24%	34.71%	48.77%	
		Car Occupancy 1.27				
		Taxi		Cycle		
		Pre QBC	Nov-09	Pre QBC	Nov-09	
N/A	1.14%	0.71%	0.81%			
Walking		Total Persons				
Pre QBC	Nov-09	Pre QBC	Nov-09			
		0.94%	0.92%	15490	13902	
E	ADDITIONAL OBJECTIVES	PERFORMANCE INDICATORS				NOTES
1	Passenger Journeys (Total)	Nov-08		Nov-09		Cordon Counts (0700 -1000) BAC QBC Designated Routes
		5116		4685		
2	Bus Occupancy Levels (Average)	Peak		Off Peak		Inbound Survey at Canal Cordon 0800 - 0900 (AM Peak) and Palmerston 1010 - 1110 (Off Peak)
		68		26		
5	Passenger Satisfaction Levels	% Satisfaction				Dublin Bus Survey November 2002
		Reliability		Quality of Service		
		69%		83%		
		Quality of Information		Value for Money		
		N/A		79%		
9	Mobility Impaired Access % Full Accessibility	% buses		% bus stops		
		100%		3%		
		% 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 2009									
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	6:36 5:04 to 8:36	N/A N/A	N/A N/A	N/A N/A	5:24 4:45 to 6:40	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	20:02 13:37 to 32:25	N/A N/A	N/A N/A	N/A N/A	18:43 16:21 to 21:04	N/A N/A
Hansfield Road to Shelerin Road	Average Range	3:21 1:20 to 9:25	1:49 0:43 to 6:46	N/A N/A	N/A N/A	1:22 0:51 to 1:49	N/A N/A	N/A N/A	N/A N/A
Shelerin Road Direct to Blanchardstown Rd Sth	Average Range	15:56 11:31 to 21:40	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	18:52 12:44 to 25:32	N/A N/A	N/A N/A	N/A N/A	17:05 15:47 to 18:22	N/A N/A	N/A N/A	N/A N/A
Blakestown Way to Rear of Shopping C'tre (Peak)	Average Range	2:35 2:05 to 3:24	2:02 1:01 to 3:20	1:18 0:50 to 1:56	1:01 0:40 to 1:30	N/A N/A	2:09 2:00 to 2:23	N/A N/A	N/A N/A
Blanchardstown Road South to Coolmine Rd (via TC Outbound)	Average Range	5:41 2:41 to 12:40	N/A N/A	12:18 9:41 to 16:33	N/A N/A	5:01 3:49 to 6:52	N/A N/A	10:17 8:58 to 10:58	N/A N/A
Rear of Shopping Centre to River Rd R't (Peak)	Average Range	4:19 2:37 to 6:16	7:16 3:38 to 11:11	2:53 1:29 to 3:41	2:04 1:12 to 3:16	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Coolmine Road to Main Street	Average Range	4:02 1:57 to 9:17	3:16 1:41 to 8:10	3:27 2:45 to 5:07	2:44 1:52 to 3:42	4:01 3:57 to 4:04	2:34 2:34	3:54 2:18 to 5:35	3:42 2:48 to 5:24
Main Street to River Road Roundabout	Average Range	10:16 1:53 to 19:36	8:54 1:25 to 18:23	4:08 2:54 to 5:15	3:21 1:50 to 6:47	7:46 6:05 to 11:06	9:43 9:43	5:07 5:07	N/A N/A
River Road Rbt to New River Road	Average Range	4:05 2:21 to 7:43	3:31 1:13 to 5:45	11:41 6:10 to 17:24	11:25 4:01 to 18:57	5:52 4:30 to 10:06	5:07 3:30 to 9:26	11:45 11:05 to 11:47	11:30 8:29 to 16:18
New River Road to Ashtown Roundabout	Average Range	3:50 1:52 to 5:20	4:04 1:58 to 7:31	4:27 1:44 to 10:43	14:34 1:50 to 39:44	3:51 3:07 to 4:23	2:19 1:26 to 2:48	2:15 2:07 to 2:24	9:36 3:58 to 14:03
Carpenterstown Road to Castleknock Road	Average Range	7:39 4:18 to 10:42	8:21 6:17 to 10:24	7:34 6:35 to 8:56	5:00 5:00	5:19 4:35 to 6:04	N/A N/A	6:42 6:21 to 7:03	5:53 5:53
Castleknock Road to Ashtown Roundabout via Castleknock Road	Average Range	20:14 7:20 to 31:14	15:24 15:24	14:51 6:43 to 27:58	N/A N/A	8:40 8:27 to 9:53	6:22 6:22	9:21 7:36 to 10:59	N/A N/A
Castleknock Road to Ashtown Roundabout via Auburn Avenue	Average Range	14:54 11:06 to 21:12	N/A N/A	17:01 9:29 to 24:39	N/A N/A	N/A N/A	N/A N/A	11:18 11:18	N/A N/A

Table 9a Blanchardstown QBC (continued)

Blanchardstown QBC Roadside Survey Results - November 2009									
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	5:14 2:41 to 9:45	6:03 2:27 to 9:22	5:21 2:27 to 11:23	3:40 2:11 to 4:45	4:16 2:03 to 5:28	2:55 2:45 to 3:11	5:26 3:31 to 7:23	3:36 3:13 to 4:16
Nephin Road to Ratoath Road	Average Range	0:52 0:33 to 2:11	0:41 0:28 to 1:00	3:56 2:04 to 5:57	3:25 1:36 to 4:58	0:48 0:33 to 1:18	0:40 0:28 to 0:47	3:17 2:20 to 4:27	3:08 2:04 to 6:49
Ratoath Rd to Old Cabra Rd/North Circular Rd	Average Range	2:43 1:17 to 4:17	2:06 0:55 to 3:49	2:16 1:07 to 3:38	2:31 1:20 to 5:11	2:23 1:36 to 4:04	1:37 0:52 to 2:35	2:15 0:41 to 3:37	1:28 0:37 to 2:09
North Circular Rd/Old Cabra Rd to North Circular Rd/Phibsborough Road	Average Range	6:30 4:44 to 9:24	5:01 2:57 to 9:40	10:36 6:38 to 15:30	8:47 4:14 to 14:28	2:49 2:07 to 3:30	1:17 0:27 to 2:34	6:34 5:10 to 7:34	5:16 4:45 to 5:47
Ratoath Rd to North Circular Rd/Phibsborough Road	Average Range	6:38 6:07 to 11:31	6:52 4:11 to 9:43	6:56 5:15 to 9:00	6:01 4:44 to 7:18	6:59 6:31 to 7:44	6:59 6:59	6:35 6:26 to 6:41	4:25 1:27 to 6:22
North Circular Rd/Phibsborough Road to Parnell Square East/West	Average Range	4:56 2:54 to 7:25	N/A N/A	7:44 2:41 to 14:10	N/A N/A	5:01 3:59 to 5:56	N/A N/A	5:30 3:13 to 7:01	N/A N/A
Old Cabra Rd/North Circular Rd to Manor St	Average Range	3:17 1:39 to 5:06	3:32 2:07 to 5:49	2:34 1:28 to 5:07	1:57 0:43 to 5:03	3:17 2:00 to 4:24	3:42 2:25 to 5:35	2:27 1:16 to 3:48	1:12 1:03 to 1:21
Manor Street to Blackhall Place/Bridge	Average Range	2:20 1:00 to 4:39	N/A N/A	4:27 2:38 to 10:24	4:07 2:13 to 12:16	1:58 0:57 to 2:47	N/A N/A	4:09 3:35 to 5:11	2:25 1:23 to 3:07
Blackhall Place to Capel Street	Average Range	5:39 2:21 to 7:46	N/A N/A	N/A N/A	N/A N/A	3:58 3:00 to 5:13	N/A N/A	N/A N/A	N/A N/A
Capel Street to Westmoreland Street	Average Range	6:06 4:10 to 7:58	N/A N/A	N/A N/A	N/A N/A	6:55 5:48 to 8:02	N/A N/A	N/A N/A	N/A N/A
Hawkins St to Parnell Square West	Average Range	N/A N/A	N/A N/A	9:15 7:11 to 14:38	N/A N/A	N/A N/A	N/A N/A	8:27 6:39 to 10:14	N/A N/A
Hawkins St to Merchants Quay/Winetavern St	Average Range	N/A N/A	N/A N/A	11:14 8:14 to 13:53	N/A N/A	N/A N/A	N/A N/A	8:54 7:06 to 9:52	N/A N/A
Merchants Quay to Blackhall Bridge	Average Range	N/A N/A	N/A N/A	2:35 1:33 to 4:16	2:02 1:06 to 3:08	N/A N/A	N/A N/A	2:27 1:48 to 3:43	1:03 0:51 to 1:25
Carpenterstown Rd/Diswellstown Rd to Westmoreland St/Hawkins Street	Average Range	57:06 32:04 to 74:15	N/A N/A	66:17 57:53 to 78:14	N/A N/A	42:16 42:16	N/A N/A	46:37 46:37	N/A N/A
New River Road to Westmoreland Street/Hawkins Street	Average Range	28:30 20:18 to 38:12	N/A N/A	35:52 29:29 to 44:23	N/A N/A	25:33 21:22 to 30:49	N/A N/A	29:03 27:41 to 29:53	N/A N/A
New River Road to Parnell Square East/West (via North Circular Road)	Average Range	22:24 17:44 to 30:23	N/A N/A	26:34 24:01 to 34:39	N/A N/A	20:11 18:47 to 21:34	N/A N/A	22:43 22:43	N/A N/A
New River Road to Westmoreland Street/Hawkins Street via N Circular Rd	Average Range	N/A N/A	N/A N/A	36:12 33:08 to 44:44	N/A N/A	N/A N/A	N/A N/A	32:57 32:57	N/A N/A

Table 9b Finglas QBC

Finglas QBC Roadside Survey Results - November 2009									
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	3:18	2:24	3:45	N/A	3:50	0:50	4:58	3:01
	Range	1:28 to 5:12	2:24	2:43 to 4:49	N/A	3:43 to 3:56	0:50	4:58	3:01
Finglas to Prospect Road/Whitworth Rd	Average	9:01	18:00	7:46	11:14	7:38	8:04	6:33	5:23
	Range	5:26 to 12:13	11:29 to 25:43	5:42 to 10:11	6:57 to 20:50	5:58 to 9:07	4:34 to 14:40	5:37 to 7:33	3:47 to 6:54
Prospect Rd to Dorset Street Lower	Average	2:14	1:53	8:58	7:58	3:03	3:20	3:55	4:04
	Range	1:03 to 3:55	1:10 to 3:27	3:20 to 15:06	3:59 to 15:48	1:40 to 4:28	2:15 to 5:46	2:14 to 6:37	1:49 to 6:35
Dorset Street Lwr to Frederick St North	Average	4:52	N/A	N/A	N/A	4:32	N/A	N/A	N/A
	Range	1:42 to 9:36	N/A	N/A	N/A	2:26 to 6:19	N/A	N/A	N/A
Frederick St North to Parnell Square East	Average	2:20	N/A	N/A	N/A	2:33	N/A	N/A	N/A
	Range	1:03 to 5:52	N/A	N/A	N/A	1:15 to 5:47	N/A	N/A	N/A
Parnell Square East to O'Connell Street	Average	3:09	N/A	N/A	N/A	3:36	N/A	N/A	N/A
	Range	1:25 to 6:11	N/A	N/A	N/A	1:20 to 5:41	N/A	N/A	N/A
O'Connell Street to St Stephen's Green	Average	7:43	N/A	9:28	N/A	7:09	N/A	8:00	N/A
	Range	5:09 to 9:56	N/A	5:55 to 12:57	N/A	5:46 to 9:01	N/A	6:03 to 9:16	N/A
Finglas Road to O'Connell Street via Phibsborough (140)	Average	24:57	N/A	23:39	N/A	19:58	N/A	17:09	N/A
	Range	19:50 to 29:30	N/A	18:08 to 32:22	N/A	18:40 to 21:04	N/A	16:04 to 18:00	N/A
Finglas to Parnell Sq East/Parnell Street	Average	18:30	N/A	27:05	N/A	15:11	N/A	16:21	N/A
	Range	14:55 to 21:34	N/A	16:55 to 38:59	N/A	15:01 to 15:22	N/A	14:24 to 18:18	N/A
Finglas to Parnell Sq East via Phibsboro	Average	21:25	N/A	N/A	N/A	16:48	N/A	N/A	N/A
	Range	17:29 to 25:48	N/A	N/A	N/A	16:00 to 17:42	N/A	N/A	N/A
Finglas Road to St Stephen's Green via Phibsborough (140)	Average	31:51	N/A	32:29	N/A	26:27	N/A	23:22	N/A
	Range	26:42 to 37:16	N/A	25:31 to 43:06	N/A	24:26 to 28:15	N/A	22:07 to 24:36	N/A
St Stephen's Green to Bank of Ireland	Average	N/A	N/A	5:22	N/A	N/A	N/A	5:09	N/A
	Range	N/A	N/A	3:05 to 8:52	N/A	N/A	N/A	3:31 to 7:09	N/A
College Green/Bank of Ireland to O'Connell Street Lwr	Average	3:21	N/A	3:02	N/A	2:59	N/A	2:02	N/A
	Range	1:03 to 6:19	N/A	0:43 to 9:05	N/A	1:02 to 4:52	N/A	1:57 to 2:06	N/A
Parnell Street to Dorset Street Lower	Average	N/A	N/A	9:43	N/A	N/A	N/A	5:52	N/A
	Range	N/A	N/A	2:50 to 18:10	N/A	N/A	N/A	2:57 to 7:41	N/A

Table 9c Lucan QBC

Lucan QBC Roadside Survey Results - November 2009									
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	14:59 10:53 to 24:48	N/A N/A	14:11 11:06 to 17:47	N/A N/A	12:49 12:20 to 13:05	N/A N/A	11:55 10:04 to 13:32	N/A N/A
Penny Hill Pub to Foxhunter	Average Range	5:17 3:57 to 7:02	N/A N/A	5:22 3:16 to 10:12	6:46 6:00 to 8:12	4:47 4:18 to 5:14	2:47 2:09 to 3:38	3:45 3:11 to 4:26	2:27 2:08 to 3:00
Foxhunter to West of M50	Average Range	3:26 2:12 to 5:40	2:07 1:22 to 4:16	3:40 1:58 to 6:39	3:01 2:24 to 4:09	3:06 2:12 to 3:32	1:28 1:13 to 1:43	3:19 2:01 to 4:25	1:30 1:06 to 2:00
West of M50 to Palmerston	Average Range	5:12 2:38 to 8:20	5:01 2:19 to 10:31	2:37 1:30 to 3:53	1:51 0:54 to 2:54	3:14 2:35 to 4:19	3:01 1:54 to 3:33	3:18 1:33 to 5:00	1:36 0:52 to 2:43
Palmerston to Con Colbert Rd	Average Range	4:08 3:12 to 6:23	7:19 2:50 to 12:30	6:29 4:02 to 10:19	8:00 4:35 to 16:33	N/A N/A	2:29 2:01 to 3:38	N/A N/A	5:37 4:40 to 9:04
Palmerston to Conyngham Road	Average Range	13:47 6:37 to 21:21	10:53 3:52 to 31:41	12:32 9:26 to 16:13	13:26 8:04 to 20:19	7:38 6:22 to 9:58	5:11 4:29 to 6:06	9:04 6:34 to 10:58	8:14 8:14
Con Colbert Road to Heuston Station	Average Range	4:43 2:42 to 6:29	9:12 2:45 to 14:41	2:50 1:21 to 5:04	2:18 1:06 to 2:38	3:04 2:26 to 3:42	3:04 1:50 to 4:12	1:39 1:39	1:39 1:03 to 2:30
Heuston Station to Ellis Quay	Average Range	3:07 2:02 to 4:30	4:43 1:52 to 6:33	N/A N/A	N/A N/A	2:57 2:02 to 3:51	2:07 1:21 to 3:13	N/A N/A	N/A N/A
Heuston Station to Bachelors Walk	Average Range	11:16 9:02 to 13:33	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

Table 9c Lucan QBC (continued)

Lucan QBC Roadside Survey Results - November 2009									
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	3:38 2.06 to 5.23	3:28 2.03 to 8.51	N/A N/A	N/A N/A	2:51 1.32 to 3.49	2:39 2.11 to 2.56	N/A N/A	N/A N/A
Parkgate Street to Ellis Quay	Average Range	1:56 1.01 to 2:37	3:30 1.01 to 6:25	N/A N/A	N/A N/A	1:42 1:08 to 2:08	1:22 0:49 to 2:19	N/A N/A	N/A N/A
Ellis Quay to Arran Quay	Average Range	1:18 0:37 to 2:13	2:28 0.57 to 5.32	N/A N/A	N/A N/A	1:12 0:56 to 1:38	1:39 0.47 to 3.02	N/A N/A	N/A N/A
Arran Quay to Bachelors Walk	Average Range	6:38 3:15 to 9:49	N/A N/A	N/A N/A	N/A N/A	4:38 2:26 to 5:38	N/A N/A	N/A N/A	N/A N/A
Pearse Street to Wellington Quay	Average Range	N/A N/A	N/A N/A	5:36 3:15 to 8:29	N/A N/A	N/A N/A	N/A N/A	4:56 3:22 to 6:27	N/A N/A
Wellington Quay to Merchants Quay	Average Range	N/A N/A	N/A N/A	2:32 1:13 to 5:10	2:14 2:09 to 2:20	N/A N/A	N/A N/A	2:29 1:40 to 3:15	2:16 2:16
Merchants Quay to Heuston Station	Average Range	N/A N/A	N/A N/A	3:36 2:06 to 5:06	2:34 2:34	N/A N/A	N/A N/A	3:36 2:17 to 4:32	1:38 1:24 to 1:53
Merchants Quay to Conyngham Road	Average Range	N/A N/A	N/A N/A	5:57 3:30 to 8:18	5:28 5:28	N/A N/A	N/A N/A	5:18 4:19 to 6:21	4:45 4:03 to 5:28
Foxhunter to Bachelors Walk/ Wellington Quay via Bypass	Average Range	28:28 22:51 to 31:57	N/A N/A	21:03 18:00 to 26:56	19:58 13:42 to 31:08	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Foxhunter to Bachelors Walk/ Wellington Q via Chapelizod	Average Range	37:31 24:28 to 45:37	N/A N/A	27:44 19:25 to 37:49	N/A N/A	26:44 22:52 to 30:09	N/A N/A	23:17 20:58 to 24:38	N/A N/A

Table 9d Malahide QBC

Malahide QBC Roadside Survey Results - November 2009									
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	4:18 2:22 to 5:51	2:47 1:19 to 6:10	4:22 1:28 to 6:51	3:48 1:20 to 7:51	3:33 1:39 to 5:16	2:54 2:07 to 3:49	2:52 1:24 to 3:46	2:41 1:55 to 3:51
Priorswood Rd to Greencastle Rd (Direct)	Average Range	2:14 1:23 to 3:36	2:10 1:04 to 6:16	3:01 1:36 to 4:49	2:50 1:08 to 5:30	1:49 1:07 to 2:29	2:00 1:11 to 4:39	2:27 1:39 to 3:21	2:17 1:14 to 3:46
Priorswood Rd to Greencastle Rd (Darndale)	Average Range	14:45 11:08 to 17:56	N/A N/A	13:41 8:52 to 19:14	N/A N/A	13:36 11:59 to 15:39	N/A N/A	12:33 11:58 to 12:55	N/A N/A
Greencastle Road to North of Kilmore Road	Average Range	6:28 3:22 to 13:06	4:55 2:37 to 8:39	4:27 2:45 to 7:26	4:50 2:45 to 6:49	4:50 3:33 to 6:43	4:43 3:38 to 5:35	4:15 3:13 to 5:14	3:28 2:19 to 5:00
North of Kilmore Road to St Davids Wood	Average Range	0:56 0:10 to 4:20	2:24 0:10 to 11:20	N/A N/A	N/A N/A	0:35 0:09 to 1:26	0:25 0:10 to 1:01	N/A N/A	N/A N/A
St Davids Wood to Collins Avenue	Average Range	2:49 0:56 to 6:24	4:30 0:57 to 19:49	N/A N/A	N/A N/A	1:32 0:59 to 2:24	1:50 1:11 to 2:18	N/A N/A	N/A N/A
Collins Avenue to Casino Park	Average Range	1:35 0:22 to 5:09	1:45 0:13 to 6:44	N/A N/A	N/A N/A	0:55 0:17 to 1:32	0:46 0:22 to 1:13	N/A N/A	N/A N/A
Casino Park to Fairview	Average Range	2:31 0:53 to 4:54	3:02 1:08 to 5:50	N/A N/A	N/A N/A	1:57 0:58 to 2:58	1:45 1:09 to 2:38	N/A N/A	N/A N/A
Fairview to Amiens Street/North Strand	Average Range	7:11 2:54 to 10:50	11:13 3:38 to 18:32	5:56 3:39 to 9:51	5:54 4:19 to 6:44	5:51 4:11 to 9:03	4:17 3:24 to 5:40	4:35 2:33 to 6:32	2:37 2:26 to 2:50
Amiens Street/North Strand to Talbot Street	Average Range	2:25 1:07 to 4:01	N/A N/A	10:11 6:12 to 14:18	N/A N/A	2:26 1:33 to 3:44	N/A N/A	6:29 5:10 to 9:38	N/A N/A
Amiens Street/North Strand to St Stephen's Green	Average Range	16:38 12:59 to 23:51	N/A N/A	21:04 15:59 to 26:54	N/A N/A	14:04 13:59 to 14:10	N/A N/A	14:04 13:18 to 15:20	N/A N/A
Collins Avenue to Kilmore Road	Average Range	N/A N/A	N/A N/A	3:01 1:21 to 4:46	1:46 1:00 to 2:46	N/A N/A	N/A N/A	3:01 1:50 to 4:57	1:51 1:19 to 2:34
Griffith Avenue to Collins Avenue	Average Range	N/A N/A	N/A N/A	2:05 0:52 to 4:05	1:21 0:44 to 2:04	N/A N/A	N/A N/A	1:59 0:45 to 2:51	1:21 0:52 to 1:46
Fairview to Griffith Avenue	Average Range	N/A N/A	N/A N/A	4:04 2:38 to 6:16	4:10 2:57 to 4:58	N/A N/A	N/A N/A	3:13 2:07 to 5:31	2:33 2:33
Greencastle Road to Amiens Street	Average Range	21:12 11:36 to 33:19	25:41 11:47 to 45:17	19:51 15:28 to 25:30	18:02 16:57 to 19:07	15:14 11:47 to 18:27	13:46 12:12 to 15:20	16:02 14:12 to 18:16	17:45 17:28 to 18:01
Clare Hall to Talbot Street (via Darndale)	Average Range	46:47 37:27 to 55:30	N/A N/A	48:40 42:11 to 56:22	N/A N/A	36:45 33:09 to 39:29	N/A N/A	40:29 38:18 to 41:53	N/A N/A

Table 9e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2009									
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	15:25 11:47 to 19:43	N/A N/A	15:59 10:34 to 20:51	N/A N/A	15:21 14:47 to 16:14	N/A N/A	14:08 11:38 to 16:49	N/A N/A
Coldcut Road to Ballyfermot/Kylemore	Average Range	9:18 5:01 to 16:24	6:33 3:20 to 14:28	9:12 5:35 to 12:20	8:14 4:56 to 10:47	8:03 7:39 to 8:20	7:52 4:25 to 13:08	7:45 6:33 to 8:46	6:59 5:51 to 7:39
Ballyfermot/Kylemore to Emmet Road	Average Range	5:47 4:34 to 8:10	5:04 3:21 to 8:05	5:47 3:04 to 6:38	5:37 4:14 to 6:31	5:52 5:12 to 6:31	4:01 3:36 to 4:32	6:05 4:59 to 7:38	5:23 5:23
Emmet Rd to Mount Brown/James Street	Average Range	5:27 2:30 to 8:30	4:47 2:46 to 9:32	9:29 6:49 to 12:49	9:11 3:32 to 14:59	4:37 3:01 to 6:02	3:13 2:29 to 4:21	8:31 7:11 to 9:52	5:52 5:07 to 6:38
Mount Brown / James St to Cornmarket	Average Range	6:29 3:13 to 10:16	8:46 1:58 to 16:49	3:05 1:34 to 4:39	2:21 0:52 to 6:40	4:51 4:03 to 5:58	4:52 3:36 to 6:19	3:23 1:27 to 4:28	2:01 1:09 to 3:08
Cornmarket to W'land Street/College Green	Average Range	8:17 7:31 to 10:54	N/A N/A	N/A N/A	N/A N/A	6:38 6:06 to 7:33	N/A N/A	N/A N/A	N/A N/A
Aston Quay to Bridge Street	Average Range	N/A N/A	N/A N/A	3:43 1:35 to 6:02	2:47 1:48 to 4:48	N/A N/A	N/A N/A	3:35 2:35 to 5:22	2:09 1:20 to 4:04
Bridge Street to Cornmarket	Average Range	N/A N/A	N/A N/A	2:17 0:50 to 5:38	2:16 0:59 to 3:58	N/A N/A	N/A N/A	2:10 0:48 to 3:37	2:22 1:10 to 4:03
Coldcut Road to Westmoreland St/Aston Q	Average Range	37:35 29:24 to 45:43	N/A N/A	35:50 27:53 to 41:11	30:26 14:41 to 37:43	31:23 30:14 to 32:31	N/A N/A	31:20 28:21 to 36:24	N/A N/A
Liffey Valley Centre to Westmoreland St/Aston Q	Average Range	53:52 44:04 to 64:48	N/A N/A	51:39 40:28 to 59:54	N/A N/A	45:16 45:16	N/A N/A	44:15 40:52 to 50:06	N/A N/A
Emmet Road to Westmoreland St/Aston Q	Average Range	19:55 17:16 to 23:46	N/A N/A	19:37 14:56 to 23:16	17:51 16:59 to 19:16	16:49 15:59 to 17:47	N/A N/A	18:25 15:39 to 21:42	13:18 13:18

Table 9f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results - November 2009									
Sectional Results									
Section		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	1:00 0:23 to 1:09	0:53 0:16 to 1:05	2:48 1:24 to 5:48	N/A N/A	0:54 0:50 to 0:59	0:52 0:48 to 1:02	N/A N/A	3:33 3:33
Oakdown Rd to R'nham Rd/Butterfield Avenue	Average Range	7:10 4:31 to 9:52	10:11 6:08 to 14:15	6:28 4:19 to 7:36	6:54 5:31 to 7:55	6:22 5:31 to 7:21	7:03 7:03	6:09 5:27 to 6:43	N/A N/A
Rathfarnham Road to Butterfield Avenue	Average Range	N/A N/A	N/A N/A	0:28 0:10 to 0:52	0:28 0:09 to 2:04	N/A N/A	N/A N/A	0:20 0:15 to 0:25	N/A N/A
Rathfarnham Road to Brookvale Road	Average Range	0:50 0:15 to 2:09	0:48 0:15 to 2:20	N/A N/A	N/A N/A	0:50 0:26 to 1:25	0:20 0:20	N/A N/A	N/A N/A
Terenure Road North to Rathfarnham Road	Average Range	N/A N/A	N/A N/A	8:23 3:50 to 10:54	7:37 3:43 to 9:10	N/A N/A	N/A N/A	4:47 3:08 to 5:48	4:31 3:18 to 5:43
Brookvale Road to Terenure Road East	Average Range	3:44 1:48 to 6:25	3:30 1:28 to 6:20	N/A N/A	N/A N/A	3:18 2:40 to 3:50	2:50 2:05 to 4:06	N/A N/A	N/A N/A
Whitton Road to Terenure Road North	Average Range	N/A N/A	N/A N/A	0:46 0:11 to 1:41	1:09 0:08 to 2:19	N/A N/A	N/A N/A	0:27 0:18 to 0:43	0:39 0:09 to 1:40
Terenure Road East to Mount Tallant Avenue	Average Range	2:56 1:30 to 4:03	1:47 0:42 to 2:40	N/A N/A	N/A N/A	2:52 1:19 to 4:55	2:04 1:17 to 3:34	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 2:55 to 9:58	6:37 2:28 to 9:30	N/A N/A	N/A N/A	3:31 2:42 to 4:32	2:50 2:02 to 3:55
Mount Tallant Avenue to Leinster Road West	Average Range	2:38 1:24 to 4:17	1:57 0:40 to 4:12	N/A N/A	N/A N/A	2:02 0:48 to 2:48	1:36 0:57 to 2:58	N/A N/A	N/A N/A
Leinster Road West to Harolds Cross Road	Average Range	1:13 0:18 to 2:55	0:58 0:16 to 2:59	N/A N/A	N/A N/A	0:59 0:20 to 1:32	0:33 0:14 to 0:59	N/A N/A	N/A N/A
Canal to Harolds Cross/Leinster Rd	Average Range	N/A N/A	N/A N/A	4:28 2:55 to 8:31	4:59 1:37 to 10:20	N/A N/A	N/A N/A	3:02 2:26 to 3:53	2:27 0:55 to 4:32
Harolds Cross/Leinster Rd to Clanbrassil St	Average Range	3:45 2:29 to 5:37	4:14 1:58 to 7:15	N/A N/A	N/A N/A	3:22 2:34 to 4:52	2:03 0:56 to 3:37	N/A N/A	N/A N/A

Table 9f Rathfarnham QBC (continued)

Rathfarnham QBC Roadside Survey Results - November 2009									
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
Clanbrassil Street to Canal	Average Range	N/A N/A	N/A N/A	2:41 1:24 to 4:53	3:30 1:00 to 6:28	N/A N/A	N/A N/A	3:24 2:25 to 4:25	3:17 2:34 to 4:08
Clanbrassil Street to South Circular Road	Average Range	3:15 2:07 to 7:35	2:35 2:13 to 3:10	0:32 0:17 to 0:52	1:15 0:12 to 2:36	2:28 1:25 to 3:54	2:19 1:30 to 4:10	0:17 0:16 to 0:17	0:13 0:13
Clanbrassil Street/Canal to Dean Street	Average Range	9:10 1:16 to 14:19	7:01 1:07 to 16:16	4:27 2:06 to 6:16	4:33 1:40 to 7:41	2:53 1:14 to 4:00	2:20 1:05 to 6:06	5:15 4:09 to 6:41	4:14 2:39 to 6:03
Dean St to Westmoreland St/College Green	Average Range	6:00 3:33 to 7:21	N/A N/A	8:03 5:15 to 13:42	N/A N/A	6:29 6:14 to 6:40	N/A N/A	4:45 3:17 to 5:48	N/A N/A
South Circular Road to Camden Street	Average Range	5:48 2:42 to 11:10	5:27 4:47 to 5:50	5:16 2:40 to 7:37	N/A N/A	4:32 3:48 to 6:37	4:17 3:52 to 4:42	4:26 2:34 to 6:26	N/A N/A
Camden Street to Bishop Street	Average Range	1:36 0:13 to 5:43	1:24 0:15 to 3:07	3:39 1:53 to 5:47	3:42 2:38 to 4:40	1:39 0:52 to 3:05	0:45 0:26 to 0:55	3:40 1:15 to 5:40	4:25 3:38 to 5:29
Bishop St to W'land St/College Green	Average Range	N/A N/A	N/A N/A	4:08 2:00 to 6:21	N/A N/A	N/A N/A	N/A N/A	3:59 2:25 to 7:30	N/A N/A
Camden St to W'land St/College Green	Average Range	7:20 3:27 to 12:03	N/A N/A	7:47 5:18 to 10:42	N/A N/A	8:58 7:38 to 10:25	N/A N/A	7:39 3:59 to 10:45	N/A N/A
Bishop Street to Stephen Street	Average Range	2:18 0:46 to 3:36	1:46 0:57 to 3:11	N/A N/A	N/A N/A	3:25 2:12 to 6:02	2:40 1:46 to 4:02	N/A N/A	N/A N/A
Stephen Street to Westmoreland Street	Average Range	3:44 1:16 to 5:58	N/A N/A	N/A N/A	N/A N/A	4:12 2:19 to 5:46	N/A N/A	N/A N/A	N/A N/A
Westmoreland Street to Parnell Square West	Average Range	4:44 2:57 to 8:41	N/A N/A	N/A N/A	N/A N/A	6:47 3:59 to 14:17	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	9:13 4:21 to 15:31	N/A N/A	N/A N/A	N/A N/A	7:19 5:39 to 9:39	N/A N/A
Rathfarnham to Westmoreland Street/College Green	Average Range	31:51 17:58 to 39:38	N/A N/A	35:47 24:51 to 43:24	N/A N/A	31:50 29:40 to 33:06	N/A N/A	30:06 30:06	N/A N/A

Table 9g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2009									
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	20:46 11:49 to 28:18	N/A N/A	18:51 14:15 to 26:59	N/A N/A	17:58 13:52 to 22:28	N/A N/A	N/A N/A	N/A N/A
Foxrock Church to Mount Merrion Avenue	Average Range	11:06 8:13 to 14:16	17:01 5:21 to 31:47	9:31 7:09 to 12:33	7:20 5:19 to 9:23	8:44 5:09 to 13:41	6:30 4:23 to 13:17	9:26 6:06 to 12:36	5:20 3:34 to 6:58
Mount Merrion Avenue to Donnybrook	Average Range	9:25 5:32 to 13:41	11:39 3:48 to 19:50	9:41 5:52 to 13:29	11:04 6:41 to 18:37	7:06 5:38 to 9:50	5:47 3:53 to 9:52	8:59 6:25 to 11:28	5:44 5:28 to 5:59
Donnybrook to Morehampton Road	Average Range	4:21 2:04 to 6:52	6:19 3:20 to 8:24	3:56 1:56 to 6:15	3:11 1:55 to 4:12	4:16 2:33 to 7:50	3:29 1:40 to 4:44	3:24 2:28 to 4:43	2:05 1:19 to 4:21
Morehampton Road to Leeson Street	Average Range	6:12 1:47 to 13:44	6:06 3:38 to 11:21	5:35 3:27 to 7:53	N/A N/A	4:53 3:54 to 5:54	4:28 4:28	5:06 3:42 to 9:08	N/A N/A
Leeson St to D'Olier/W'moreland Street	Average Range	6:39 4:09 to 8:57	N/A N/A	7:00 4:29 to 10:07	N/A N/A	7:00 5:07 to 8:39	N/A N/A	6:36 5:17 to 8:28	N/A N/A
Westmoreland St/D'Olier St to Parnell Sq East/West	Average Range	3:44 1:16 to 5:58	N/A N/A	5:48 2:36 to 9:14	N/A N/A	4:12 2:19 to 5:46	N/A N/A	5:40 3:12 to 8:26	N/A N/A
Foxrock Church to Leeson Street	Average Range	32:04 25:00 to 40:49	41:05 16:07 to 71:22	28:13 20:11 to 35:45	N/A N/A	26:59 22:45 to 34:27	20:14 14:24 to 32:21	26:11 20:24 to 36:37	N/A N/A
Foxrock Church to W'moreland/D'Olier St	Average Range	39:39 38:54 to 48:45	N/A N/A	37:36 26:36 to 57:31	N/A N/A	33:26 28:18 to 38:34	N/A N/A	32:26 26:14 to 41:57	N/A N/A
Dun Laoghaire to W'moreland/D'Olier St	Average Range	59:40 38:10 to 77:03	N/A N/A	53:23 47:39 to 62:37	N/A N/A	52:11 50:56 to 53:26	N/A N/A	N/A N/A	N/A N/A

Table 9h Swords QBC

Swords QBC Roadside Survey Results - November 2009									
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	2:15 1:10 to 5:01	1:24 0:39 to 3:09	1:05 0:19 to 3:17	1:09 0:21 to 3:24	2:35 1:48 to 4:19	1:32 1:22 to 1:41	1:28 0:18 to 3:03	1:19 0:22 to 2:34
Swords Main Str to Airside Business Pk	Average Range	5:18 3:48 to 7:34	4:11 2:55 to 7:21	4:59 3:22 to 7:51	4:04 2:44 to 5:48	4:59 3:25 to 6:27	3:26 3:14 to 3:40	6:15 4:30 to 8:00	N/A N/A
Airside Business Pk to Cloghran R'bout	Average Range	1:57 1:00 to 3:05	1:08 0:49 to 1:40	2:45 1:35 to 3:40	3:27 2:00 to 6:00	1:39 1:10 to 2:05	1:22 0:40 to 1:55	2:42 2:20 to 3:11	1:57 1:24 to 2:40
Cloghran Rbt to Airport South (Not via Airport)	Average Range	4:29 3:00 to 6:02	4:12 2:46 to 7:29	4:17 3:17 to 5:10	5:38 1:56 to 9:32	3:33 2:56 to 3:58	2:57 2:57	3:32 3:20 to 3:43	2:28 2:28
Cloghran Rbt to Airport South (Via Airport)	Average Range	16:37 12:48 to 19:22	N/A N/A	9:57 6:47 to 13:27	N/A N/A	16:42 14:54 to 18:30	N/A N/A	10:53 9:34 to 13:03	N/A N/A
Airport South to Omni Park	Average Range	8:42 5:49 to 15:53	6:01 4:26 to 7:02	11:22 6:58 to 18:24	10:08 9:16 to 10:51	8:10 6:51 to 11:28	6:34 6:34	8:40 6:21 to 10:46	N/A N/A
Omni Park to Collins Avenue	Average Range	6:48 4:41 to 11:13	10:29 4:15 to 14:33	5:19 2:47 to 9:17	9:21 9:16 to 9:25	4:13 3:13 to 5:35	4:03 3:49 to 4:16	5:10 4:00 to 6:46	3:41 3:03 to 4:12
Collins Ave to Richmond Rd/Botanic Ave	Average Range	5:57 3:02 to 9:36	11:48 6:56 to 15:41	9:04 5:26 to 13:00	15:02 8:58 to 21:54	4:28 3:02 to 7:36	3:13 2:06 to 4:35	6:38 5:41 to 7:40	5:28 3:43 to 6:28

Table 9h Swords QBC (continued)

Swords QBC Roadside Survey Results - November 2009									
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	5:09 3:01 to 7:47	4:25 3:26 to 5:34	6:57 2:07 to 14:59	11:39 3:12 to 21:43	4:01 3:09 to 5:03	2:22 1:38 to 3:08	3:34 1:42 to 5:54	3:20 1:47 to 5:45
Dorset St Lwr to Frederick Street North	Average Range	2:33 0:35 to 5:00	N/A N/A	N/A N/A	N/A N/A	2:10 0:39 to 3:22	N/A N/A	N/A N/A	N/A N/A
Frederick Street North to O'Connell St	Average Range	4:55 2:45 to 7:10	N/A N/A	N/A N/A	N/A N/A	5:19 3:42 to 8:46	N/A N/A	N/A N/A	N/A N/A
Richmond Rd to O'Connell Street	Average Range	12:58 7:50 to 18:43	N/A N/A	N/A N/A	N/A N/A	11:19 8:26 to 15:16	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	8:45 4:39 to 13:54	N/A N/A	N/A N/A	N/A N/A	6:58 6:11 to 7:59	N/A N/A
Swords Main Street to Lower O'Connell Street	Average Range	49:30 38:27 to 55:57	N/A N/A	N/A N/A	N/A N/A	56:16 56:16	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	59:35 48:37 to 69:32	N/A N/A	N/A N/A	N/A N/A	47:08 47:08	N/A N/A

Table 9i Tallaght QBC

Tallaght QBC Roadside Survey Results - November 2009									
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 Range	4:39 2:51 to 5:42	N/A N/A	6:46 5:10 to 11:46	N/A N/A	8:14 6:43 to 9:45	N/A N/A	7:00 6:25 to 7:52	N/A N/A
West M50 to East M50	Average Range	1:21 0:48 to 2:01	1:13 0:24 to 3:37	1:46 1:05 to 2:39	1:48 0:44 to 5:54	1:02 0:43 to 1:21	1:16 0:36 to 2:51	1:20 0:28 to 1:51	1:55 0:28 to 5:04
East M50 to Oldbridge Road	Average Range	3:27 3:14 to 3:33	4:16 2:04 to 9:39	5:02 2:47 to 6:59	4:34 1:54 to 8:46	2:47 2:23 to 3:01	2:35 1:42 to 3:58	2:17 2:13 to 2:21	4:02 2:17 to 8:04
Oldbridge Road to Fortfield Road	Average Range	4:53 2:45 to 8:40	3:52 1:39 to 12:30	5:03 2:29 to 8:00	6:33 3:56 to 10:43	3:31 2:41 to 4:23	3:00 2:16 to 3:47	3:31 2:25 to 5:06	2:52 1:25 to 3:29
Fortfield Road to Rathdown Park	Average Range	2:03 0:55 to 3:36	2:14 0:42 to 4:35	0:53 0:30 to 1:30	0:52 0:26 to 2:31	1:31 1:00 to 1:51	1:59 0:43 to 3:55	0:34 0:31 to 0:38	0:33 0:26 to 0:37
Rathdown Park to Terenure Road East	Average Range	4:54 2:30 to 8:50	5:13 3:00 to 9:09	4:03 2:27 to 6:20	2:51 2:01 to 3:42	3:14 2:28 to 4:16	2:39 1:48 to 4:30	3:58 3:00 to 5:02	2:32 2:32
Terenure Road East to Rathgar Road	Average Range	6:00 3:49 to 8:48	4:19 4:00 to 4:49	5:09 2:46 to 7:31	4:10 2:23 to 5:57	5:18 3:06 to 7:24	3:07 3:07	3:23 2:22 to 5:26	N/A N/A
Rathgar Road to Leinster Road	Average Range	2:32 0:34 to 5:51	2:42 0:30 to 7:36	2:59 1:30 to 4:44	2:12 2:12	2:04 1:14 to 3:14	0:34 0:34	3:02 1:06 to 4:15	2:19 2:19
Leinster Road to Canal	Average Range	2:38 0:34 to 6:18	3:28 0:41 to 7:13	4:11 1:49 to 6:52	3:22 2:11 to 5:44	2:21 1:26 to 5:07	3:40 1:10 to 7:55	3:04 1:12 to 7:48	3:39 1:01 to 7:54

Table 9i Tallaght QBC (continued)

Tallaght QBC Roadside Survey Results - November 2009									
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	3:52 1:15 to 6:14	2:51 1:16 to 5:16	3:15 0:47 to 8:35	2:50 1:41 to 4:23	3:16 1:29 to 5:48	3:28 2:10 to 6:03	1:23 0:35 to 2:38	1:01 0:42 to 1:33
Dame Street to Harcourt Road	Average Range	N/A N/A	N/A N/A	10:14 7:58 to 13:11	N/A N/A	N/A N/A	N/A N/A	9:47 8:27 to 11:11	N/A N/A
Eden Quay to Harcourt Road via Camden Street	Average Range	N/A N/A	N/A N/A	14:37 11:10 to 20:20	N/A N/A	N/A N/A	N/A N/A	14:01 11:47 to 16:50	N/A N/A
Eden Quay to Harcourt Road via Earlsfort Terrace	Average Range	N/A N/A	N/A N/A	14:31 11:49 to 17:30	N/A N/A	N/A N/A	N/A N/A	13:27 10:22 to 15:39	N/A N/A
Eden Quay to Dame Street	Average Range	N/A N/A	N/A N/A	4:26 2:47 to 7:46	N/A N/A	N/A N/A	N/A N/A	4:31 3:00 to 5:51	N/A N/A
Camden Street to W'moreland St	Average Range	9:48 6:25 to 13:16	N/A N/A	N/A N/A	N/A N/A	10:30 8:40 to 13:32	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	9:26 6:03 to 11:51	N/A N/A	N/A N/A	N/A N/A	8:36 6:36 to 11:30	N/A N/A	N/A N/A	N/A N/A
West of M50 to W'moreland Street/Eden Quay	Average Range	43:48 35:27 to 55:04	N/A N/A	47:09 41:31 to 51:07	N/A N/A	30:55 30:55	N/A N/A	37:19 36:30 to 38:08	N/A N/A

Table 9j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2009									
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	6:33 3:50 to 10:36	3:33 1:56 to 5:21	6:55 4:59 to 13:15	9:26 4:20 to 15:25	5:39 4:25 to 6:32	3:41 2:30 to 4:51	6:01 4:57 to 8:05	5:27 3:59 to 6:35
Griffith Avenue to Botanic Avenue	Average Range	3:27 2:13 to 6:13	3:07 1:24 to 5:01	N/A N/A	N/A N/A	2:56 2:13 to 3:41	2:34 2:27 to 2:40	N/A N/A	N/A N/A
Griffith Avenue/The Rise to Dorset St Lower (13A)	Average Range	9:16 6:25 to 11:37	N/A N/A	17:43 9:56 to 23:22	N/A N/A	8:37 8:37	N/A N/A	12:51 12:51	N/A N/A
Botanic Avenue to Cliftonville Road	Average Range	2:14 0:42 to 5:00	2:27 0:27 to 5:29	N/A N/A	N/A N/A	0:31 0:27 to 0:34	0:18 0:18	N/A N/A	N/A N/A
Bon Secours Hospital to Cliftonville Road	Average Range	8:04 1:01 to 20:54	8:59 2:12 to 23:57	N/A N/A	N/A N/A	1:23 0:51 to 1:42	1:29 0:56 to 2:17	N/A N/A	N/A N/A
Cliftonville Rd/Glasnevin Hill to Prospect Road	Average Range	3:05 0:57 to 5:27	5:11 0:47 to 8:26	2:40 0:57 to 3:54	2:19 1:17 to 4:18	1:23 0:40 to 2:54	1:22 0:31 to 3:06	2:17 0:59 to 2:51	1:52 1:12 to 2:34
Prospect Rd to Dorset St Lwr/Whitworth	Average Range	2:14 1:03 to 3:55	1:53 1:10 to 3:27	8:58 3:20 to 15:06	7:58 3:59 to 15:48	3:03 1:40 to 4:28	3:20 2:16 to 5:46	3:55 2:14 to 6:37	4:04 1:49 to 6:35
Prospect Rd to Phibsboro Rd/NCR	Average Range	4:34 2:49 to 6:16	4:45 1:27 to 8:05	2:38 1:06 to 8:54	2:59 0:30 to 10:06	4:14 2:13 to 7:49	4:24 1:32 to 7:35	1:30 0:59 to 2:17	1:02 0:27 to 2:26
Phibsboro Rd/NCR to Frederick St North	Average Range	5:32 3:11 to 11:38	N/A N/A	N/A N/A	N/A N/A	4:06 2:59 to 5:25	N/A N/A	N/A N/A	N/A N/A
Dorset St Lwr to Frederick St North	Average Range	4:52 1:42 to 9:36	N/A N/A	N/A N/A	N/A N/A	4:32 2:26 to 6:19	N/A N/A	N/A N/A	N/A N/A
Frederick St North to Parnell Square East	Average Range	2:20 1:03 to 5:52	N/A N/A	N/A N/A	N/A N/A	2:33 1:15 to 5:47	N/A N/A	N/A N/A	N/A N/A
Frederick St North to South Great Georges St	Average Range	11:03 7:13 to 16:32	N/A N/A	N/A N/A	N/A N/A	11:09 9:15 to 15:24	N/A N/A	N/A N/A	N/A N/A
Parnell Square East to O'Connell St Lwr	Average Range	3:09 1:25 to 6:11	N/A N/A	N/A N/A	N/A N/A	3:36 1:20 to 5:41	N/A N/A	N/A N/A	N/A N/A
O'Connell St Lwr to College Green/Bank of Ireland	Average Range	3:21 1:03 to 6:19	N/A N/A	3:02 0:43 to 9:05	N/A N/A	2:59 1:02 to 4:52	N/A N/A	2:02 1:57 to 2:06	N/A N/A
College Green to St Stephen's Green	Average Range	4:45 2:45 to 7:39	N/A N/A	N/A N/A	N/A N/A	4:56 3:33 to 7:35	N/A N/A	N/A N/A	N/A N/A
College Green to Merrion Square	Average Range	4:59 2:59 to 7:39	N/A N/A	N/A N/A	N/A N/A	5:14 4:01 to 7:43	N/A N/A	N/A N/A	N/A N/A
College Green to South Great George's Street	Average Range	1:36 0:24 to 4:20	N/A N/A	N/A N/A	N/A N/A	1:48 0:58 to 3:25	N/A N/A	N/A N/A	N/A N/A

Table 9j Ballymun QBC (continued)

Ballymun QBC Roadside Survey Results - November 2009									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Camden Street Upper to Bank of Ireland via Earlsfort Terrace	Average	N/A	N/A	9:23	N/A	N/A	N/A	8:44	N/A
	Range	N/A	N/A	5:56 to 13:22	N/A	N/A	N/A	7:02 to 11:23	N/A
Camden Street Upper to Bank of Ireland via Camden Street	Average	N/A	N/A	9:46	N/A	N/A	N/A	9:36	N/A
	Range	N/A	N/A	5:26 to 13:24	N/A	N/A	N/A	7:17 to 11:25	N/A
Camden Street Upper to O'Connell St Lower via Earlsfort Terrace	Average	N/A	N/A	12:34	N/A	N/A	N/A	11:33	N/A
	Range	N/A	N/A	10:06 to 14:16	N/A	N/A	N/A	10:34 to 12:33	N/A
Camden Street Upper to O'Connell St Lower via Camden Street	Average	N/A	N/A	13:56	N/A	N/A	N/A	12:26	N/A
	Range	N/A	N/A	8:56 to 21:35	N/A	N/A	N/A	10:00 to 14:17	N/A
St Stephen's Green to Bank of Ireland	Average	N/A	N/A	5:22	N/A	N/A	N/A	5:09	N/A
	Range	N/A	N/A	3:05 to 8:52	N/A	N/A	N/A	3:31 to 7:09	N/A
Merrion Square to O'Connell Street Lower	Average	N/A	N/A	11:49	N/A	N/A	N/A	10:07	N/A
	Range	N/A	N/A	6:09 to 17:15	N/A	N/A	N/A	7:22 to 14:22	N/A
O'Connell St Lwr to Parnell Square West	Average	N/A	N/A	4:42	N/A	N/A	N/A	4:07	N/A
	Range	N/A	N/A	2:11 to 7:52	N/A	N/A	N/A	2:32 to 6:17	N/A
Parnell Square West to Granby Row	Average	N/A	N/A	1:28	N/A	N/A	N/A	0:54	N/A
	Range	N/A	N/A	0:26 to 5:46	N/A	N/A	N/A	0:20 to 1:47	N/A
Parnell Sq West to NCR/ Phibsboro Road	Average	N/A	N/A	7:42	N/A	N/A	N/A	5:43	N/A
	Range	N/A	N/A	3:31 to 14:46	N/A	N/A	N/A	3:50 to 7:57	N/A
Granby Row to Blessington Street	Average	N/A	N/A	0:41	2:36	N/A	N/A	N/A	0:27
	Range	N/A	N/A	0:16 to 3:10	0:14 to 8:20	N/A	N/A	N/A	0:16 to 0:52
Blessington Street to Whitworth Road	Average	N/A	N/A	4:23	5:08	N/A	N/A	3:14	1:33
	Range	N/A	N/A	1:02 to 11:08	1:28 to 13:29	N/A	N/A	1:59 to 4:37	1:03 to 2:19
Glasnevin Hill to The Rise	Average	N/A	N/A	4:58	3:39	N/A	N/A	4:22	3:03
	Range	N/A	N/A	2:54 to 7:20	2:08 to 4:48	N/A	N/A	3:45 to 5:02	2:51 to 3:31
Ballymun to Lower O'Connell Street via Whitworth Road (13)	Average	33:01	N/A	35:43	N/A	24:22	N/A	23:49	N/A
	Range	21:55 to 43:25	N/A	32:28 to 38:42	N/A	24:13 to 24:31	N/A	23:11 to 24:27	N/A
Ballymun to Lower O'Connell Street via Phibsborough (4/4A)	Average	30:51	N/A	29:54	N/A	25:44	N/A	23:45	N/A
	Range	23:23 to 34:50	N/A	25:57 to 35:46	N/A	23:58 to 26:45	N/A	22:31 to 24:45	N/A
Ballymun to Lower O'Connell Street via Griffith Avenue (13A)	Average	25:08	N/A	38:10	N/A	25:08	N/A	25:47	N/A
	Range	18:15 to 31:13	N/A	27:32 to 49:13	N/A	25:08	N/A	25:47	N/A

Table 9k Bray QBC

Bray QBC Roadside Survey Results - November 2009									
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	2:44 0:53 to 9:05	1:58 1:09 to 5:02	1:30 0:32 to 3:19	1:32 0:28 to 3:07	3:25 1:35 to 9:33	1:44 1:25 to 2:00	1:40 0:53 to 4:58	1:02 0:27 to 1:38
Upper Dargle Rd to Wilford Roundabout	Average Range	3:49 1:40 to 5:59	3:17 1:09 to 4:30	3:06 0:55 to 4:31	2:52 1:31 to 4:53	3:14 2:34 to 4:20	3:13 1:32 to 6:30	1:58 0:50 to 2:42	1:43 0:34 to 3:07
Wilford Roundabout to Shankill Village	Average Range	N/A N/A	N/A N/A	4:20 3:14 to 5:20	3:53 2:57 to 6:31	N/A N/A	N/A N/A	4:32 3:11 to 5:53	3:06 2:57 to 3:14
Wilford Roundabout to Shanganagh	Average Range	1:52 1:17 to 2:42	1:34 1:23 to 1:43	N/A N/A	N/A N/A	1:51 1:37 to 2:15	N/A N/A	N/A N/A	N/A N/A
Shanganagh to Shankill Village	Average Range	1:24 0:52 to 1:53	1:25 0:36 to 2:28	N/A N/A	N/A N/A	1:10 0:52 to 1:26	1:08 0:55 to 1:19	N/A N/A	N/A N/A
Shankill Village to Loughlinstown Roun	Average Range	4:35 3:27 to 6:22	3:32 2:47 to 4:07	3:16 2:01 to 4:43	2:18 2:16 to 2:19	3:48 3:39 to 4:14	3:32 3:32	2:49 2:11 to 3:13	2:33 2:14 to 2:52
Loughlinstown Roun to Cabinteely South	Average Range	6:16 4:41 to 8:06	4:21 2:37 to 9:52	6:29 4:18 to 9:14	4:11 2:54 to 8:46	4:38 3:33 to 6:07	3:07 2:36 to 3:55	5:45 4:31 to 6:55	3:23 3:01 to 4:06
Cabinteely South to Foxrock Church	Average Range	3:16 2:10 to 4:09	5:36 1:28 to 15:08	3:14 2:11 to 4:49	2:02 1:23 to 2:54	3:09 2:35 to 4:10	2:37 1:46 to 3:36	2:53 1:48 to 3:25	2:13 1:10 to 4:34
Bray Main Street to Foxrock Church	Average Range	23:47 18:22 to 28:34	21:45 11:09 to 42:50	22:36 17:52 to 27:00	16:48 11:29 to 28:30	20:32 18:25 to 23:43	15:21 11:46 to 20:52	20:11 17:28 to 22:18	N/A N/A
Bray Main Street to Leeson Street	Average Range	58:16 50:26 to 70:46	N/A N/A	52:24 45:48 to 58:22	N/A N/A	41:23 38:42 to 44:17	N/A N/A	47:16 40:02 to 54:30	N/A N/A
Bray Main Street to W'moreland/ D'Olier St	Average Range	65:59 58:18 to 78:08	N/A N/A	63:02 52:28 to 76:41	N/A N/A	49:03 47:17 to 52:24	N/A N/A	48:30 48:30	N/A N/A
Bray Main Street to Parnell Sq West/East	Average Range	67:47 62:00 to 75:48	N/A N/A	67:30 62:25 to 75:06	N/A N/A	51:22 51:22	N/A N/A	53:17 53:17	N/A N/A

Table 9I Clontarf QBC

Clontarf QBC Roadside Survey Results - November 2009									
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	0:52 0:25 to 1:24	1:26 0:20 to 6:08	1:29 0:56 to 2:00	1:09 0:30 to 1:58	0:52 0:24 to 1:23	0:27 0:23 to 0:30	1:26 0:55 to 1:51	1:08 0:23 to 1:45
Vernon Avenue to Castle Avenue	Average Range	2:49 1:59 to 3:50	4:50 1:50 to 13:53	1:26 0:53 to 2:52	0:48 0:30 to 1:08	2:19 2:07 to 2:33	1:42 1:32 to 1:58	1:19 1:07 to 1:28	0:43 0:35 to 0:49
Castle Avenue to Alfie Byrne Road	Average Range	1:08 0:38 to 2:10	1:45 0:45 to 5:35	3:34 1:23 to 4:49	2:52 0:46 to 5:47	0:59 0:47 to 1:13	2:21 0:42 to 3:05	2:41 1:38 to 3:58	2:07 0:57 to 2:44
Alfie Byrne Road to Fairview	Average Range	2:59 2:02 to 4:16	3:14 1:33 to 5:27	2:59 1:39 to 5:03	1:50 1:40 to 2:01	2:14 1:47 to 2:39	1:49 0:45 to 2:21	2:19 1:45 to 3:00	1:49 1:17 to 2:32
Fairview to Amiens Street/North Strand	Average Range	6:42 4:26 to 11:13	10:21 7:35 to 14:16	5:55 3:39 to 9:51	5:54 4:19 to 6:44	4:46 3:30 to 6:12	3:20 2:54 to 3:43	4:35 2:33 to 6:32	2:37 2:26 to 2:50
Amiens Street to Talbot Street	Average Range	2:25 1:07 to 4:01	N/A N/A	N/A N/A	N/A N/A	2:26 1:33 to 3:44	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	7:23 3:01 to 12:58	N/A N/A	N/A N/A	N/A N/A	4:08 1:55 to 6:35	N/A N/A
Clontarf Garage to Fairview	Average Range	7:34 5:04 to 10:23	11:41 4:08 to 22:32	9:29 6:27 to 12:41	6:51 6:12 to 7:30	6:12 5:45 to 7:02	3:46 2:18 to 4:40	7:28 5:25 to 9:07	5:52 5:30 to 6:13
Clontarf Garage to Amiens Street	Average Range	14:02 10:52 to 20:24	19:03 11:43 to 31:24	15:19 12:20 to 17:52	N/A N/A	10:47 9:20 to 11:57	6:40 6:40	10:53 8:48 to 12:40	8:53 8:53
Clontarf Garage to Talbot St/Lwr Abbey St	Average Range	17:02 13:01 to 22:37	N/A N/A	22:18 13:40 to 29:29	N/A N/A	12:53 11:19 to 15:03	N/A N/A	15:26 12:00 to 18:38	N/A N/A

Table 9m Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2009									
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	2:56 1:42 to 3:51	2:52 1:07 to 7:22	2:21 1:46 to 4:25	2:46 1:32 to 6:19	3:07 2:22 to 4:12	2:24 1:49 to 2:43	2:32 1:52 to 2:59	3:42 1:41 to 6:07
Sybil Hill Rd to Collins Avenue East	Average Range	3:43 1:28 to 8:50	3:22 1:03 to 7:42	4:17 2:45 to 6:26	4:00 2:02 to 7:13	2:35 0:56 to 4:33	2:09 1:21 to 3:16	2:46 0:55 to 4:01	1:08 0:26 to 1:59
Collins Ave East to Copeland Ave	Average Range	3:45 1:18 to 7:55	3:24 1:12 to 9:27	4:25 3:30 to 6:02	3:40 2:41 to 5:23	1:23 1:09 to 1:49	1:13 0:56 to 1:22	3:30 2:22 to 4:20	2:47 1:06 to 3:29
Copeland Ave to Fairview	Average Range	2:37 1:38 to 3:43	2:49 1:09 to 5:00	2:59 1:39 to 5:03	1:50 1:40 to 2:01	2:45 1:34 to 4:14	2:05 1:21 to 2:42	1:44 0:46 to 2:53	2:31 0:32 to 4:30
Fairview to Amiens Street/North Strand	Average Range	6:42 4:26 to 11:13	10:21 7:35 to 14:16	5:55 3:39 to 9:51	5:54 4:19 to 6:44	4:46 3:30 to 6:12	3:20 2:54 to 3:43	4:35 2:33 to 6:32	2:37 2:26 to 2:50
Amiens Street to Talbot Street	Average Range	2:25 1:07 to 4:01	N/A N/A	N/A N/A	N/A N/A	2:26 1:33 to 3:44	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	12:37 9:27 to 17:18	9:57 6:20 to 14:58	13:52 11:45 to 16:12	15:02 10:27 to 23:25	10:22 7:47 to 12:53	9:02 7:35 to 9:51	10:29 9:36 to 11:22	N/A N/A
Raheny to Amiens Street/North Strand	Average Range	20:07 11:05 to 28:31	17:53 15:28 to 22:38	19:27 17:17 to 22:09	20:06 14:46 to 29:33	16:53 16:06 to 17:39	N/A N/A	14:39 13:32 to 15:47	N/A N/A
Raheny to Talbot St/Eden Quay	Average Range	21:52 12:53 to 31:03	N/A N/A	28:18 22:44 to 34:00	N/A N/A	N/A N/A	N/A N/A	19:42 19:42	N/A N/A

Table 9n Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2009									
Sectional Results									
Section		AM Peak Inbound		PM Peak Outbound		Off Peak Inbound		Off Peak Outbound	
		Bus	Car	Bus	Car	Bus	Car	Bus	Car
Walkinstown Road to Drimnagh Road	Average Range	3:32 1:52 to 5:14	3:56 2:00 to 5:54	2:06 0:59 to 4:04	1:09 0:44 to 1:35	2:05 1:05 to 2:53	1:39 1:19 to 2:04	1:54 1:09 to 3:24	N/A N/A
Drimnagh Road to St Marys Road	Average Range	1:23 0:36 to 3:29	1:24 1:00 to 2:14	7:18 3:57 to 9:09	5:53 5:42 to 6:04	2:44 1:50 to 4:03	2:20 1:32 to 3:03	6:39 4:36 to 9:17	4:47 4:17 to 5:32
St Marys Road to Dolphins Barn	Average Range	9:34 4:35 to 17:15	8:09 5:14 to 12:18	4:49 3:19 to 7:08	3:45 2:06 to 9:00	8:05 6:14 to 9:46	6:19 6:19	4:19 2:59 to 6:43	3:07 2:46 to 3:33
Dolphins Barn to Dean Street	Average Range	6:37 3:09 to 12:43	8:31 2:44 to 23:39	8:44 6:15 to 12:23	3:33 2:06 to 4:52	5:22 3:59 to 6:14	5:18 2:48 to 14:49	6:56 4:42 to 8:55	3:27 2:46 to 5:04
Dean Street to Westmoreland Street	Average Range	6:29 3:35 to 9:17	N/A N/A	N/A N/A	N/A N/A	7:34 6:27 to 8:22	N/A N/A	N/A N/A	N/A N/A
Westmoreland Street to Ringsend Road	Average Range	8:50 6:10 to 12:44	N/A N/A	N/A N/A	N/A N/A	7:21 6:28 to 8:06	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	10:52 6:46 to 13:51	N/A N/A	N/A N/A	N/A N/A	8:10 6:28 to 9:50	N/A N/A
College Green to Dean Street	Average Range	N/A N/A	N/A N/A	8:26 6:02 to 11:50	N/A N/A	N/A N/A	N/A N/A	6:58 4:42 to 8:55	N/A N/A
Drimnagh Road to Dean Street	Average Range	16:38 9:21 to 25:51	21:47 8:43 to 44:46	21:14 15:30 to 26:46	14:20 10:38 to 21:31	16:05 13:21 to 19:15	12:46 12:11 to 13:15	17:55 13:48 to 21:39	N/A N/A
Drimnagh Rd to W'moreland St/College Gn	Average Range	23:06 13:31 to 32:36	N/A N/A	23:09 18:05 to 28:54	N/A N/A	23:27 19:48 to 27:15	N/A N/A	20:20 15:42 to 24:00	N/A N/A

Table 9o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2009									
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	3:21 1:27 to 7:06	3:50 1:47 to 7:27	2:58 1:55 to 5:24	2:06 1:47 to 3:04	2:36 1:36 to 3:45	2:01 1:09 to 2:55	2:55 2:28 to 3:15	2:07 1:26 to 2:46
Booterstown to Ballsbridge	Average Range	13:44 8:22 to 23:09	17:26 11:46 to 24:08	17:52 12:52 to 22:28	18:11 16:15 to 21:30	8:55 4:49 to 11:48	9:43 7:25 to 12:02	9:23 7:51 to 11:03	8:17 7:16 to 10:32
Ballsbridge to Merrion Square	Average Range	6:35 4:34 to 8:58	4:52 4:28 to 5:21	5:59 2:56 to 9:10	5:53 2:46 to 9:00	6:23 4:16 to 7:48	4:15 4:15	4:32 3:23 to 6:23	3:19 2:19 to 5:58
Merrion Square to O'Connell Street	Average Range	5:12 3:45 to 7:36	N/A N/A	7:41 5:10 to 11:43	N/A N/A	7:34 3:28 to 11:16	N/A N/A	6:32 4:44 to 8:16	N/A N/A
Blackrock to O'Connell Street	Average Range	28:46 21:59 to 37:47	N/A N/A	34:25 29:40 to 41:21	N/A N/A	23:10 18:13 to 28:06	N/A N/A	25:35 23:43 to 27:28	N/A N/A

Table 9p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2009									
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	9:00 6:48 to 10:38	7:32 5:34 to 9:30	7:33 6:32 to 9:36	6:53 5:30 to 14:07	6:56 5:41 to 7:40	4:23 4:23	7:51 6:40 to 9:24	5:50 5:50
Ninth Lock Road to Naas Road	Average Range	7:39 5:28 to 10:21	7:33 7:13 to 7:51	5:35 4:02 to 7:12	6:24 5:25 to 8:44	7:04 6:50 to 7:18	5:51 5:03 to 6:21	5:38 3:01 to 7:05	4:45 3:57 to 5:33
Naas Road to Drimnagh Road	Average Range	4:32 3:49 to 5:45	7:57 5:06 to 13:22	5:20 3:54 to 8:44	4:07 3:58 to 4:15	2:24 2:10 to 2:39	2:49 2:29 to 3:08	5:14 4:24 to 5:52	4:14 3:58 to 4:30
Drimnagh Road to St Marys Road	Average Range	1:23 0:36 to 3:29	1:24 1:00 to 2:14	7:18 3:57 to 9:09	5:53 5:42 to 6:04	2:44 1:50 to 4:03	2:20 1:32 to 3:03	6:39 4:36 to 9:17	4:47 4:17 to 5:32
St Marys Road to Dolphins Barn	Average Range	9:34 4:35 to 17:15	8:09 5:14 to 12:18	4:49 3:19 to 7:08	3:45 2:06 to 9:00	8:05 6:14 to 9:46	6:19 6:19	4:19 2:59 to 6:43	3:07 2:46 to 3:33
Dolphins Barn to Dean Street	Average Range	6:37 3:09 to 12:43	8:31 2:44 to 23:39	8:44 6:15 to 12:23	3:33 2:06 to 4:52	5:22 3:59 to 6:14	5:18 2:48 to 14:49	6:56 4:42 to 8:55	3:27 2:46 to 5:04
Dean Street to Bachelors Walk	Average Range	8:17 6:12 to 10:25	8:10 4:34 to 11:53	N/A N/A	N/A N/A	6:01 5:42 to 6:21	6:14 5:32 to 6:53	N/A N/A	N/A N/A
Bachelors Walk to Custom House Quay	Average Range	2:57 1:14 to 5:32	1:40 1:00 to 2:06	N/A N/A	N/A N/A	1:54 1:35 to 2:14	2:05 2:03 to 2:06	N/A N/A	N/A N/A
Custom House Quay to North Wall Quay (O2)	Average Range	4:22 2:22 to 10:05	3:36 2:22 to 5:52	4:56 2:42 to 8:01	4:01 2:04 to 5:35	4:04 1:55 to 9:18	3:39 2:15 to 5:29	N/A N/A	N/A N/A
Georges Quay to College Green	Average Range	N/A N/A	N/A N/A	8:30 7:07 to 9:51	N/A N/A	N/A N/A	N/A N/A	8:26 6:05 to 11:03	N/A N/A
College Green to Dean Street	Average Range	N/A N/A	N/A N/A	8:26 6:02 to 11:50	N/A N/A	N/A N/A	N/A N/A	6:58 4:42 to 8:55	N/A N/A
Grangecastle to Bachelors Walk/College Green	Average Range	49:45 38:03 to 60:43	44:49 26:36 to 75:29	45:30 38:06 to 48:15	N/A N/A	42:08 42:08	25:49 24:06 to 27:07	43:14 43:14	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 2009					
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	24.70 18.96 to 32.17	30.19 24.45 to 34.32
Hansfield Road to Shelerin Road	820	0	Average Range	14.69 5.22 to 36.91	35.99 27.08 to 57.88
Shelerin Road to B'town Rd Sth via Town Centre	5899	N/A	Average Range	18.76 13.86 to 27.80	20.72 19.27 to 22.43
Shelerin Road direct to Blanchardstown Road South	1836	341	Average Range	6.91 5.08 to 9.56	N/A N/A
Blanchardstown Road South to Rear of Town C'tre (Peak)	1074	302	Average Range	24.95 18.95 to 30.94	N/A N/A
Blanchardstown Road South to Coolmine Rd	1719	388	Average Range	18.15 8.14 to 38.44	20.56 15.02 to 27.02
Rear of Town Centre to River Rd Roundabout (Peak)	1727	0	Average Range	24.00 16.53 to 39.59	N/A N/A
Coolmine Road to Main Street	1110	0	Average Range	16.51 7.17 to 34.15	16.58 16.38 to 16.86
Main Street to River Road Roundabout	1098	460	Average Range	6.42 3.36 to 34.99	8.48 5.93 to 10.83
River Road Roundabout to New River Road	983	300	Average Range	14.44 7.64 to 25.10	10.05 5.84 to 13.11
Carpenterstown Road/Diswellstown Road to Castleknock Road/Park Lodge	2763	TBA	Average Range	21.67 15.49 to 38.55	31.18 27.32 to 36.17
Castleknock Road/Park Lodge to Ashtown Roundabout via Castleknock Road	3182	0	Average Range	9.44 6.11 to 26.04	22.03 21.49 to 22.59
Castleknock Road/Park Lodge to Ashtown Roundabout via Auburn Avenue	4300	0	Average Range	17.31 12.17 to 23.24	N/A N/A
New River Road to Ashtown Roundabout	1958	1958	Average Range	30.65 22.03 to 62.92	30.51 26.80 to 37.69
Ashtown Roundabout to Nephin Road	1760	1483	Average Range	20.18 10.83 to 39.36	24.75 16.33 to 51.51
Nephin Road to Ratoath Road	635	562	Average Range	43.94 17.45 to 69.27	47.62 29.31 to 69.27
Old Cabra Road/North Circular Road to North Circular Road/Phibsborough Road	1200	0	Average Range	11.08 7.66 to 15.21	25.56 20.57 to 34.01
Ratoath Road to North Circular Road/Phibsborough Road	1848	0	Average Range	12.84 9.63 to 18.13	15.88 14.34 to 17.01
North Circular Road/Phibsborough Road to Parnell Square East	1318	TBA	Average Range	16.03 10.66 to 27.27	15.76 13.33 to 19.85
Ratoath Road to Old Cabra Road/North Circular Road	841	0	Average Range	18.57 11.78 to 39.33	21.17 12.41 to 31.54
North Circular Road to Manor Street	659	120	Average Range	12.04 7.75 to 26.36	12.04 8.99 to 19.77
Manor Street to Blackhall Place	658	617	Average Range	16.92 8.49 to 39.48	20.07 14.19 to 41.56
Blackhall Place to Ormond Quay	1001	445	Average Range	10.63 7.73 to 25.56	15.14 11.51 to 20.02
Ormond Quay to Westmoreland Street	844	221	Average Range	8.30 6.36 to 12.15	7.32 6.30 to 8.73
Total Inbound Distance (39)			Average Range	15.10 12.32 to 18.83	N/A N/A
B'town Rd South to Westmoreland Street	13266	6554	Average Range	15.65 14.21 to 18.92	N/A N/A
Total Inbound Distance (39A/B)			Average Range	15.65 14.21 to 18.92	N/A N/A
Blakestown Way to Westmoreland Street	12140	6008	Average Range	20.14 14.85 to 25.44	22.35 20.92 to 24.02
Total Inbound Distance (38/A/B/C)			Average Range	16.94 13.03 to 23.90	18.28 15.61 to 21.66
New River Rd to Parnell Square East	7519	TBA	Average Range	17.60 13.12 to 24.70	19.62 16.27 to 23.46
Total Inbound Distance			Average Range	17.60 13.12 to 24.70	19.62 16.27 to 23.46
New River Road to Westmoreland Street	8356	5406	Average Range	17.60 13.12 to 24.70	19.62 16.27 to 23.46

Table 10a Blanchardstown QBC (continued)

Blanchardstown QBC Roadside Survey Results - November 2009					
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	7.56	9.55
			Range	6.12 to 10.32	8.61 to 11.97
Merchants Quay to Blackhall Place Bridge	732	450	Average	17.00	17.93
			Range	10.29 to 28.34	11.82 to 24.40
Blackhall Place Bridge to Manor Street	712	231	Average	9.60	10.29
			Range	4.11 to 15.92	8.24 to 11.92
Manor Street to Old Cabra Road/North Circular Road	635	0	Average	14.84	15.55
			Range	7.45 to 25.97	10.03 to 30.08
Old Cabra Road/North Circular Road to Ratoath Road	824	0	Average	21.81	21.97
			Range	13.61 to 44.26	13.67 to 72.39
Hawkins Street to Parnell Square West	1186	TBA	Average	7.69	8.42
			Range	4.86 to 9.91	6.95 to 10.70
Parnell Square West to North Circular Road/Phibsborough Road	1300	0	Average	10.09	14.18
			Range	5.51 to 29.07	11.12 to 24.25
North Circular Road/Phibsborough Road to North Circular Road/Old Cabra Road	1200	0	Average	6.79	10.96
			Range	4.46 to 10.85	9.51 to 13.93
North Circular Road/Phibsborough Road to Ratoath Road	1848	0	Average	15.99	16.84
			Range	12.32 to 21.12	16.59 to 17.15
Ratoath Road to Nephin Road	765	0	Average	11.67	13.98
			Range	7.71 to 22.21	10.31 to 19.67
Nephin Road to Ashtown Roundabout	1800	100	Average	20.19	19.88
			Range	9.49 to 44.08	14.63 to 30.71
Ashtown Roundabout to New River Road	1811	1332	Average	24.42	48.29
			Range	10.14 to 62.70	45.27 to 51.33
Castleknock Road/Park Lodge to Carpenterstown Road/Diswellstown Road	2763	0	Average	21.91	24.74
			Range	18.56 to 25.18	23.51 to 26.11
Ashtown Roundabout to Castleknock Road/Park Lodge via Castleknock Road	3182	0	Average	12.86	20.42
			Range	6.83 to 28.42	17.38 to 25.12
Ashtown Roundabout to Castleknock Road/Park Lodge via Auburn Avenue	4300	0	Average	15.16	22.83
			Range	10.47 to 27.21	22.83
New River Road to River Road Roundabout	1108	78	Average	5.69	5.66
			Range	3.82 to 10.78	5.64 to 6.00
River Road Roundabout to Main Street	896	0	Average	13.01	10.51
			Range	10.24 to 18.54	10.51
River Road Roundabout to Rear of Town Centre (Peak)	1648	0	Average	34.30	N/A
			Range	26.85 to 66.68	N/A
Main Street to Coolmine Road	1088	0	Average	18.92	16.74
			Range	12.76 to 23.74	11.69 to 28.38
Coolmine Road to Blakestown Way via Town Centre	3410	593	Average	16.63	19.90
			Range	12.36 to 21.13	18.66 to 22.82
Rear of Town Centre to Blakestown Way (Peak)	977	501	Average	45.09	N/A
			Range	30.33 to 70.37	N/A
Blakestown Way to Ongar	7955	1633	Average	23.83	25.50
			Range	14.72 to 35.05	22.66 to 29.19
Total Outbound Distance			Average	14.55	17.96
Hawkins Street to New River Road	8695	2113	Range	11.75 to 17.69	17.46 to 18.84
Total Outbound Distance			Average	12.17	14.24
Hawkins Street to River Road	9803	2191	Range	10.51 to 15.19	14.12 to 14.36
Total Outbound Distance (39A/B)			Average	13.97	N/A
Hawkins Str to Blakestown Way via Bypass	12428	2692	Range	12.57 to 17.70	N/A
Total Outbound Distance			Average	14.44	15.86
Hawkins Street to New River Road (38)	8710	TBA	Range	11.68 to 15.77	15.86

Table 10b Finglas QBC

Finglas QBC Roadside Survey Results - November 2009					
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	9.94 6.31 to 22.37	8.56 8.34 to 8.83
Finglas Road to Prospect Road/Whitworth Road	3222	2978	Average Range	21.44 15.82 to 35.58	25.33 21.20 to 32.40
Prospect Rd/Whitworth Rd to Dorset St Lwr/Whitworth Rd	957	17	Average Range	25.71 14.66 to 54.69	18.83 12.85 to 34.44
Dorset St Lwr/Whitworth Rd to Frederick Street North	703	703	Average Range	8.67 4.39 to 24.81	9.31 6.68 to 17.34
Frederick Street North to Parnell Square East	390	390	Average Range	10.03 3.99 to 22.29	9.18 4.05 to 18.72
Parnell Square East to Lwr O'Connell Street	591	591	Average Range	11.26 5.73 to 25.02	9.85 6.24 to 26.66
O'Connell Street Lower to St Stephen's Green	1763	TBA	Average Range	13.71 10.65 to 20.54	14.79 11.73 to 18.34
Finglas Rd to Parnell Square East via Phibsborough	5856	3838	Average Range	16.41 13.62 to 20.10	20.91 19.85 to 21.96
Corridor Inbound Distance Finglas Rd to Parnell Square	5272	4088	Average Range	17.10 14.67 to 21.20	20.83 20.58 to 21.06

Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
St Stephen's Green to Bank of Ireland	1228	TBA	Average Range	13.73 8.31 to 23.90	14.31 10.30 to 20.95
Bank of Ireland to O'Connell Street Lower	501	TBA	Average Range	9.91 3.31 to 41.92	14.79 14.31 to 15.41
Parnell Street to Dorset Street Lower/Whitworth	1218	396	Average Range	7.52 4.02 to 25.80	12.46 9.51 to 24.77
Dorset Street Lwr/Whitworth to Prospect Rd	952	0	Average Range	6.37 3.78 to 17.14	14.58 8.63 to 25.58
Prospect Road to Finglas Road	2907	1818	Average Range	22.46 17.13 to 30.60	26.63 23.10 to 31.05
Finglas Road to Mellowes Road Bridge	761	0	Average Range	12.18 9.48 to 16.81	9.19 9.19
O'Connell Street to Finglas Road via Phibsborough	5575	2961	Average Range	14.14 10.33 to 18.45	19.50 18.58 to 20.82
Corridor Outbound Distance Parnell St to Finglas Rd	5077	2214	Average Range	11.25 7.81 to 18.01	18.63 16.65 to 21.15

Table 10c Lucan QBC

Lucan QBC Roadside Survey Results - November 2009					
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	18.72 11.50 to 25.77	21.88 21.44 to 22.74
Penny Hill Pub to Foxhunter	1920	1471	Average Range	21.81 16.38 to 29.16	24.09 22.01 to 26.79
Foxhunter to West of M50	2026	2026	Average Range	35.41 21.45 to 55.25	39.21 34.41 to 55.25
West of M50 to Palmerston	1595	390	Average Range	18.40 11.48 to 36.35	29.60 22.17 to
Palmerston to Con Colbert Road (via Bypass)	3868	3868	Average Range	56.15 36.36 to 72.53	N/A N/A
Palmerston to Conyngham Rd (via Chapelizod)	4347	540	Average Range	18.92 12.22 to 39.42	34.17 26.17 to 40.96
Conyngham Rd to Parkgate St	951	674	Average Range	15.71 10.60 to 27.17	20.02 19.45 to 26.14
Con Colbert Rd to Heuston Station (Expresso)	1559	1559	Average Range	19.83 14.43 to 34.64	30.50 25.28 to 38.45
Heuston Station to Ellis Quay (Expresso)	785	785	Average Range	15.11 10.47 to 23.17	15.97 12.23 to 23.17
Heuston Station to Bachelors Walk (Expresso)	2349	2218	Average Range	12.51 10.40 to 15.60	N/A N/A
Parkgate St to Ellis Quay	595	595	Average Range	18.47 13.64 to 35.10	21.00 16.74 to 35.10
Ellis Quay to Arran Quay	497	497	Average Range	22.94 13.45 to 48.33	24.85 18.26 to 31.96
Arran Quay to Bachelors Walk	1067	936	Average Range	9.65 6.52 to 19.70	13.82 11.37 to 26.31
Foxhunter to Bachelors Walk Via Bypass (Expresso)	11397	10061	Average Range	24.02 21.40 to 29.93	N/A N/A
Foxhunter to Bachelors Walk Via Chapelizod	11078	5658	Average Range	17.72 14.57 to 27.17	24.86 22.04 to 29..07
Route Distance Via Chapelizod	17673	N/A	Average Range	17.69 15.81 to 21.46	22.42 22.42
Route Distance Via Bypass (Expresso)	17992	N/A	Average Range	22.62 20.95 to 24.91	N/A N/A

Table 10c Lucan QBC (continued)

Lucan QBC Roadside Survey Results - November 2009					
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	6.86 4.53 to 11.82	7.78 5.95 to 11.40
Wellington Quay to Merchants Quay	824	400	Average Range	19.52 9.57 to 40.62	19.91 15.21 to 29.66
Merchants Quay to Conyngham Rd	2222	640	Average Range	22.41 16.06 to 38.09	25.15 20.99 to 30.88
Merchants Quay to Heuston Station (Expresso)	1286	640	Average Range	21.43 15.13 to 36.74	21.43 17.02 to 33.80
Heuston Station to Con Colbert Road	1592	506	Average Range	33.72 18.85 to 70.76	57.89 57.89
Con Colbert Road to Palmerston (Expresso)	3935	3229	Average Range	36.42 22.88 to 58.54	N/A N/A
Conyngham Rd to Palmerston	4801	996	Average Range	22.98 17.76 to 30.38	31.77 26.27 to 43.86
Palmerston to West of M50	1558	500	Average Range	35.72 24.41 to 62.32	28.33 18.70 to 60.31
West of M50 to Foxhunter	1967	756	Average Range	32.18 17.75 to 60.00	35.58 26.72 to 58.51
Foxhunter to Penny Hill Pub	1581	N/A	Average Range	17.67 9.30 to 29.04	25.30 21.40 to 29.80
Penny Hill Pub to Lucan Superquinn	4726	N/A	Average Range	19.99 15.95 to 25.55	23.79 20.95 to 28.17
Corridor Distance Via Bypass (Expresso)	11162	6031	Average Range	31.82 24.87 to 37.21	N/A N/A
Corridor Distance Via Chapelizod	11372	3292	Average Range	24.60 18.04 to 35.14	29.31 27.70 to 32.54

Table 10d Malahide QBC

Malahide QBC Roadside Survey Results - November 2009					
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	16.53	20.03
			Range	12.15 to 30.04	13.50 to 43.09
Priorswood Road to Greencastle Road (Direct)	992	671	Average	26.65	32.76
			Range	16.53 to 43.04	23.97 to 53.29
Priorswood Rd to Greencastle Road (via Darndale)	4089	0	Average	16.63	18.04
			Range	13.68 to 22.04	15.68 to 20.47
Greencastle Road to North of Kilmore Road	1532	998	Average	14.21	19.02
			Range	7.02 to 27.30	13.68 to 25.89
North of Kilmore Road to St Davids Wood	150	0	Average	9.65	15.44
			Range	2.08 to 53.89	6.28 to 60.00
St Davids Wood to Collins Avenue	671	601	Average	14.29	26.26
			Range	6.29 to 43.15	16.77 to 20.30
Collins Avenue to Casino Park	318	0	Average	12.05	20.81
			Range	3.70 to 51.99	12.45 to 67.42
Casino Park to Fairview	1133	1054	Average	27.01	34.86
			Range	13.87 to 76.99	22.91 to 70.30
Fairview to Amiens Street	1897	1529	Average	15.65	19.46
			Range	10.51 to 39.25	12.58 to 27.21
Amiens Street to Talbot Street	435	0	Average	10.80	10.73
			Range	6.50 to 23.37	6.99 to 16.84
Amiens Street to St Stephen's Green	2514	N/A	Average	9.07	10.72
			Range	6.32 to 11.62	10.65 to 10.79
Total Inbound Distance					
Clare Hall to Talbot St (D'dale)	11410	5199	Average	14.63	18.63
			Range	12.33 to 18.28	17.34 to 20.65
Greencastle Rd to Talbot St	6136	4182	Average	15.36	21.57
			Range	10.83 to 23.88	18.15 to 26.68
Greencastle Rd to Amiens St	5701	4182	Average	16.13	22.46
			Range	10.27 to 29.49	18.54 to 29.03
Section					
	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
St Stephen's Green to North Strand	2399	N/A	Average	6.83	10.23
			Range	4.98 to 9.01	9.31 to 10.82
Talbot Street to North Strand	724	124	Average	4.27	6.70
			Range	3.04 to 7.01	4.51 to 8.41
North Strand to Fairview	1706	1706	Average	17.30	22.33
			Range	10.39 to 28.04	15.67 to 40.14
Fairview to Griffith Avenue	675	0	Average	9.96	12.59
			Range	6.46 to 15.38	11.52 to 20.13
Griffith Avenue to Collins Avenue	887	772	Average	25.55	26.84
			Range	13.03 to 61.38	18.67 to 70.96
Collins Avenue to Kilmore Road	955	158	Average	18.99	18.99
			Range	12.02 to 42.44	11.58 to 31.26
Kilmore Road to Greencastle Road	1440	911	Average	19.42	20.33
			Range	11.62 to 31.42	16.51 to 26.86
Greencastle Road to Priorswood Road (Direct)	997	687	Average	19.83	24.42
			Range	12.42 to 37.39	17.86 to 36.25
Greencastle Rd to Priorswood Road (Via Darndale)	4021	0	Average	17.63	19.22
			Range	12.54 to 27.21	18.68 to 20.16
Priorswood Road to Clare Hall	1289	1152	Average	17.71	26.98
			Range	11.29 to 52.72	20.53 to 55.24
Total Outbound Distance					
Talbot St to Clare Hall (D'dale)	11697	4823	Average	14.42	17.34
			Range	12.68 to 16.64	16.76 to 18.32
Talbot St to Greencastle Rd	6387	3671	Average	12.90	16.43
			Range	10.42 to 17.38	15.01 to 18.26
Nth Strand to Greencastle Rd	5663	3547	Average	17.12	21.19
			Range	13.32 to 21.97	18.60 to 23.93

Table 10e North Clondalkin QBC

North Clondalkin QBC Roadside Survey Results - November 2009					
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	24.62 19.25 to 32.22	24.73 23.40 to 25.68
Coldcut Road to Ballyfermot Road/Kylemore Road	2200	1000	Average Range	14.19 8.05 to 26.31	16.40 15.85 to 17.25
Ballyfermot Rd/Kylemore Rd to Emmet Rd/Tyrconnell Rd	2292	109	Average Range	23.78 16.84 to 30.11	23.44 21.10 to 26.45
Emmet Rd/Tyrconnell Rd to Mount Brown	2001	612	Average Range	22.03 14.12 to 48.02	26.00 19.90 to 39.79
Mount Brown to Cornmarket	1068	721	Average Range	9.88 6.24 to 19.92	13.21 10.74 to 15.82
Cornmarket to Westmoreland Street	1365	197	Average Range	9.89 7.51 to 10.90	12.35 10.85 to 13.43
Corridor Distance Coldcut Rd to Westmoreland St	8926	2639	Average Range	14.25 11.71 to 18.22	17.07 16.47 to 17.71
Inbound Distance Emmet Rd to W'moreland St	4434	1530	Average Range	13.36 11.19 to 15.41	15.82 14.96 to 16.65
Inbound Distance Liffey Valley to Westmoreland St	15253	4447	Average Range	16.99 14.21 to 20.77	20.22 20.22
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	17.53 10.80 to 41.16	18.19 12.14 to 25.38
Bridge Street to Cornmarket	316	0	Average Range	8.30 3.37 to 22.76	8.75 5.24 to 23.70
Cornmarket to James Street	796	711	Average Range	15.49 10.27 to 30.48	14.12 10.69 to 32.94
James Street to Emmet Road/Tyrconnell Road	2277	0	Average Range	14.41 10.66 to 20.05	16.04 13.85 to 19.02
Emmet Road/Tyrconnell Rd to Ballyfermot Rd/Kylemore Rd	2315	658	Average Range	24.02 20.94 to 45.29	22.83 18.20 to 27.87
Ballyfermot Rd/Kylemore Rd to Coldcut Road	2154	258	Average Range	14.05 10.48 to 23.15	16.68 14.74 to 19.73
Coldcut Road to Liffey Valley Centre	5912	1468	Average Range	22.19 17.01 to 33.57	25.10 21.09 to 30.49
Corridor Distance Aston Quay to Coldcut Road	8944	2278	Average Range	14.98 13.03 to 19.25	17.13 14.74 to 18.93
Outbound Distance Aston Quay to Tyrconnell Road	4475	1362	Average Range	13.69 11.54 to 17.98	14.58 12.37 to 17.16
Outbound Distance Aston Quay to Liffey Valley	14856	3746	Average Range	17.26 14.88 to 22.03	20.14 17.79 to 21.81

Table 10f Rathfarnham QBC

Rathfarnham QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2009					
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	17.88 15.55 to 46.68	19.87 18.19 to 21.46
Oakdown Road to Rathfarnham Road	2098	1900	Average Range	17.56 12.76 to 27.87	19.77 17.13 to 22.82
Rathfarnham Road to Brookvale Road	277	0	Average Range	19.95 7.73 to 66.48	19.95 11.73 to 38.38
Brookvale Road to Terenure Road East	759	525	Average Range	12.20 7.10 to 25.30	13.80 11.88 to 17.08
Terenure Road East to Mount Tallant Avenue	816	0	Average Range	16.69 12.09 to 32.64	17.08 9.96 to 37.18
Mount Tallant Avenue to Leinster Road West	513	417	Average Range	11.69 7.19 to 21.99	15.14 10.99 to 38.48
Leinster Road West to Harolds Cross Road	214	0	Average Range	10.55 4.40 to 42.80	13.06 8.38 to 38.56
Harolds Cross Road to Clanbrassil Street	1043	845	Average Range	16.69 11.14 to 25.20	18.59 12.86 to 24.38
Clanbrassil Street to South Circular Road	478	0	Average Range	8.82 3.78 to 13.55	11.63 7.35 to 20.24
Clanbrassil Street to Dean Street	818	0	Average Range	5.35 3.43 to 38.74	17.02 12.27 to 39.81
Dean Street to Westmoreland Street	1425	197	Average Range	14.25 11.63 to 24.08	13.19 12.82 to 13.72
South Circular Road to Camden Street	777	532	Average Range	8.04 4.17 to 17.27	10.28 7.05 to 12.27
Camden Street to Bishop Street	142	0	Average Range	5.33 1.49 to 39.26	5.16 2.76 to 9.83
Bishop Street to Stephen Street	423	0	Average Range	11.03 7.05 to 33.09	7.43 4.21 to 11.54
Stephen Street to Westmoreland Street	655	514	Average Range	10.53 6.59 to 31.02	9.36 6.81 to 16.96
Westmoreland Street to Parnell Square West	1056	450	Average Range	13.39 7.30 to 21.48	9.34 4.44 to 15.91
Total Inbound Nutgrove Ave to W'land St	8493	4733	Average Range	12.11 9.90 to 18.35	12.91 12.91
Total Inbound Rathfarnham to W'land St	6097	2833	Average Range	11.49 9.23 to 20.36	11.49 11.05 to 12.33

Table 10f Rathfarnham QBC (continued)

Rathfarnham QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2009					
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	7.73 4.59 to 16.39	9.74 7.39 to 12.62
College Green to Bishop Street	943	291	Average Range	13.69 8.91 to 28.29	14.21 7.54 to 23.41
College Green to Dean Street	1290	0	Average Range	9.61 5.65 to 14.74	16.29 13.34 to 23.58
College Green to Camden Street	1236	291	Average Range	9.53 6.93 to 13.99	9.69 6.90 to 18.62
Dean Street to Canal	1070	0	Average Range	11.78 11.01 to 13.42	12.23 9.61 to 15.47
Bishop Street to Camden Street	293	0	Average Range	4.82 3.04 to 9.34	4.79 3.10 to 14.06
Camden Street to South Circular Road	958	160	Average Range	10.91 7.55 to 21.55	12.97 8.94 to 22.39
South Circular Road (Outbound Bus Lane)	247	247	Average Range	27.80 17.09 to 52.37	52.37 52.37 to 55.51
South Circular Road to Canal	427	0	Average Range	9.55 5.25 to 18.30	7.54 5.80 to 10.60
Canal to Leinster Road	749	447	Average Range	10.06 5.28 to 15.41	14.82 11.57 to 18.47
Leinster Road to Whitton Road	1240	0	Average Range	13.01 7.46 to 25.51	21.15 16.41 to 27.56
Whitton Road to Terenure Road North	174	174	Average Range	13.61 6.20 to 57.05	23.20 14.56 to 34.80
Terenure Road North to Rathfarnham Road	1287	0	Average Range	9.21 7.08 to 20.15	16.14 13.31 to 24.65
Rathfarnham Road to Butterfield Avenue	166	166	Average Range	21.33 11.49 to 59.64	29.90 23.88 to 39.84
Butterfield Avenue to Oakdown Road	1826	0	Average Range	16.94 14.42 to 25.38	17.81 16.31 to 20.10
Oakdown Road to Nutgrove Avenue Terminus	299	299	Average Range	N/A N/A	N/A N/A
College Green to Butterfield Avenue	6484	1485	Average Range	10.87 8.96 to 15.65	12.92 12.92

Table 10g Stillorgan QBC

Stillorgan QBC Roadside Survey Results November 2009					
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	16.00 11.74 to 28.12	18.50 14.79 to 23.97
Foxrock Church to Mount Merrion Avenue Direct	Peak 3393	3393	Average Range	18.34 14.27 to 24.78	N/A N/A
Foxrock Church to Mount Merrion Avenue via Stillorgan	Off Peak 3529	3393	Average Range	N/A N/A	24.25 15.47 to 41.11
Mount Merrion Avenue to Donnybrook	3267	2908	Average Range	20.82 14.33 to 35.43	27.61 19.93 to 34.80
Donnybrook to Morehampton Road	1190	1134	Average Range	16.41 10.40 to 34.54	16.73 9.12 to 28.00
Morehampton Road to Leeson Street	1335	653	Average Range	12.92 5.83 to 44.92	16.40 13.58 to 20.54
Leeson Street to Westmoreland Street	1551	570	Average Range	13.99 10.40 to 22.42	13.29 10.76 to 18.19
Westmoreland Street to Parnell Square West	1056	450	Average Range	13.39 7.30 to 21.48	9.34 4.44 to 15.91
Total Inbound Distance Dun Laoghaire to Westmoreland St	Peak 16275	8658	Average Range	16.37 12.67 to 25.58	18.87 18.43 to 19.33
Corridor Distance Foxrock Church to Leeson St	Peak 9185	8088	Average Range	17.19 13.50 to 22.04	N/A N/A
Corridor Distance Foxrock Church to Leeson St	Off Peak 9321	8088	Average Range	N/A N/A	20.73 16.23 to 24.58
Foxrock Church to Westmoreland St	Peak 10736	8658	Average Range	16.25 13.21 to 16.56	N/A N/A
Foxrock Church to Westmoreland St	Off Peak 10872	8658	Average Range	N/A N/A	19.51 16.91 to 23.05

Table 10g Stillorgan QBC (continued)

Stillorgan QBC Roadside Survey Results November 2009					
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	8.67 5.45 to 19.34	8.87 5.96 to 15.71
D'Olier Street to Leeson Street	1526	462	Average Range	13.08 9.05 to 20.42	13.87 10.81 to 17.33
Leeson Street to Morehampton Road	1304	814	Average Range	14.40 9.92 to 22.68	15.34 8.57 to 21.15
Morehampton Road to Donnybrook	1202	447	Average Range	18.34 11.54 to 37.31	21.21 15.29 to 29.23
Donnybrook to Mount Merrion Avenue	3283	3215	Average Range	20.34 14.61 to 33.57	21.92 17.18 to 30.70
Mount Merrion Avenue to Foxrock Church (Off Peak)	Off Peak 3538	Off Peak 3153	Average Range	N/A N/A	22.50 16.85 to 34.80
Mount Merrion Avenue to Foxrock Church (Peak)	Peak 3367	Peak 3367	Average Range	21.23 16.10 to 28.25	N/A N/A
Foxrock Church to Dun Laoghaire Station	5206	0	Average Range	16.57 11.58 to 21.92	N/A N/A
Total Outbound Distance Peak D'Olier St to Dun Laoghaire	Peak 15888	Peak 8305	Average Range	17.86 15.22 to 20.01	N/A N/A
Corridor Distance Peak Leeson St to Foxrock Church	Peak 9156	Peak 7843	Average Range	19.47 15.37 to 27.22	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	21.37 15.28 to 27.43
D'Olier St to Foxrock Church	Peak 10682	Peak 8305	Average Range	17.05 11.14 to 24.09	N/A N/A
D'Olier St to Foxrock Church	Off Peak 10853	Off Peak 8091	Average Range	N/A N/A	20.08 15.52 to 24.82

Table 10h Swords QBC

Swords QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2009					
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	7.52 3.37 to 14.50	6.55 3.92 to 9.40
Swords Main Street to Airside Business Park	2040	851	Average Range	23.09 15.94 to 32.21	24.56 18.98 to 35.82
Airside Business Park to Cloghran Roundabout	1314	1165	Average Range	40.43 25.57 to 78.84	47.78 37.85 to 67.56
Cloghran Rbt to Airport South (Not via Airport)	1388	468	Average Range	18.58 13.80 to 27.76	23.46 20.99 to 28.39
Cloghran Rbt to Airport South (Via Airport)	3886	1162	Average Range	14.03 12.04 to 18.22	13.96 12.60 to 15.65
Airport South to Omni Park	3741	3063	Average Range	25.80 14.13 to 38.59	27.48 19.57 to 32.77
Omni Park to Collins Avenue	1423	1186	Average Range	12.56 7.61 to 18.23	20.25 15.29 to 26.54
Collins Avenue to Richmond Rd	1532	1183	Average Range	15.45 9.57 to 30.31	20.58 12.09 to 30.31
Richmond Rd to Dorset Street Lower	1111	946	Average Range	12.94 8.56 to 22.09	16.59 13.20 to 21.16
Dorset Street Lower to Frederick Street North	534	361	Average Range	12.56 6.41 to 54.96	14.78 9.52 to 49.29
Frederick Street North to O'Connell Street	796	796	Average Range	9.71 6.66 to 17.37	8.98 5.45 to 12.91
Richmond Rd to O'Connell Street	2441	2103	Average Range	11.29 7.82 to 18.70	12.94 9.59 to 17.37
Total Inbound Distance Swords CC to O'Connell St	Direct 14161	10019	Average Range	17.16 15.19 to 22.10	N/A N/A
Total Inbound Distance Swords CC to O'Connell St	Via Airport 16659	10713	Average Range	16.32 14.93 to 18.69	17.76 17.76

Table 10h Swords QBC

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	10.26 6.46 to 19.32	12.89 11.25 to 14.53
Dorset Street Lower to Botanic Avenue	909	909	Average Range	7.85 3.64 to 25.76	15.29 9.24 to 32.08
Botanic Avenue to Collins Avenue	1741	1131	Average Range	11.52 8.03 to 19.23	15.75 13.62 to 18.38
Collins Avenue to Omni Park	1298	0	Average Range	14.65 8.39 to 27.98	15.07 11.51 to 19.47
Omni Park to Airport South	3746	2500	Average Range	19.77 12.22 to 32.26	25.93 20.87 to 35.39
Airport South to Cloghran Rbt (Not Via Airport)	1360	1211	Average Range	19.05 15.79 to 24.85	23.10 21.95 to 24.48
Airport South to Cloghran Rbt (Via Airport)	2945	1274	Average Range	17.76 13.14 to 26.05	16.24 13.54 to 18.47
Cloghran Roundabout to Airside Business Park	1346	0	Average Range	29.37 22.02 to 51.02	29.91 25.37 to 34.62
Airside Business Park to Swords Main Street	1898	1242	Average Range	22.85 14.51 to 33.82	18.22 14.23 to 25.31
Swords Main Street to County Council Offices	282	0	Average Range	15.62 5.15 to 53.37	11.53 5.55 to 56.40
Total Outbound Distance Lwr Abbey St to Swords CC	Direct 14077	7345	Average Range	14.17 12.15 to 17.37	N/A N/A
Total Outbound Distance Lwr Abbey St to Swords CC (A)	Via Airport 15662	7408	Average Range	15.65 12.08 to 20.44	19.94 19.94

Table 10i Tallaght QBC

Tallaght QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2009					
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	23.87 19.47 to 38.95	13.48 11.38 to 16.53
West of M50 to East of M50	673	0	Average Range	29.91 20.02 to 50.48	39.09 29.91 to 56.32
East of M50 to Oldbridge Road	1412	1162	Average Range	24.56 23.86 to 26.20	30.44 28.08 to 37.11
Oldbridge Road to Fortfield Road	1212	245	Average Range	14.89 8.39 to 26.44	20.68 16.59 to 27.10
Fortfield Road to Rathdown Park	595	519	Average Range	17.41 9.92 to 38.93	23.53 19.30 to 35.70
Rathdown Park to Terenure Road East	806	0	Average Range	9.87 5.47 to 19.34	14.96 11.33 to 19.60
Terenure Road East to Rathgar Road	1256	1082	Average Range	12.56 8.56 to 19.74	14.22 10.18 to 24.31
Rathgar Road to Leinster Road	495	0	Average Range	11.73 5.08 to 52.38	14.37 9.19 to 24.09
Leinster Road to Canal	594	400	Average Range	13.54 5.66 to 62.86	16.17 6.96 to 24.87
Canal to Camden Street Upper	430	0	Average Range	6.67 4.14 to 20.64	7.90 4.45 to 17.40
Camden Street Upper to Westmoreland Street	1580	798	Average Range	9.67 7.15 to 14.77	9.03 7.01 to 10.94
Camden St Upr to W'moreland St via Earlsfort Tce (15 Series)	2085	1235	Average Range	13.26 10.56 to 20.68	14.55 10.88 to 18.95
West of M50 to Camden Street	7473	3408	Average Range	13.64 10.62 to 16.47	20.81 20.81
West of M50 to W'moreland St	9053	4206	Average Range	12.40 9.86 to 15.32	17.57 17.57
Main St to W'moreland Street	10903	5312	Average Range	13.26 10.92 to 16.02	N/A N/A

Table 10i Tallaght QBC (continued)

Tallaght QBC Roadside Survey Results					
Sectional Results - Bus Journey Speeds - November 2009					
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	10.91 6.23 to 17.38	10.71 8.27 to 16.12
Dame Street to Harcourt Road	1253	428	Average Range	7.35 5.70 to 9.44	7.68 6.72 to 8.90
Eden Quay to Harcourt Road	2059	428	Average Range	8.51 7.06 to 10.45	9.18 7.89 to 11.92
Harcourt Road to Canal	748	131	Average Range	13.81 5.23 to 57.32	32.45 17.04 to 76.98
Canal to Leinster Road	595	134	Average Range	8.53 5.20 to 19.65	11.64 4.68 to 29.75
Leinster Road to Rathgar Road	357	52	Average Range	7.18 4.53 to 14.28	7.06 5.04 to 19.47
Rathgar Road to Terenure Road East	1410	228	Average Range	16.43 11.25 to 30.57	25.01 15.57 to 35.74
Terenure Road East to Rathdown Park	800	0	Average Range	11.85 7.58 to 19.59	12.10 9.54 to 16.00
Rathdown Park to Fortfield Road	596	0	Average Range	40.50 23.84 to 71.52	63.07 56.49 to 69.17
Fortfield Road to Oldbridge Road	1298	219	Average Range	16.42 9.74 to 31.37	22.14 15.27 to 32.22
Oldbridge Road to East of M50	1327	419	Average Range	15.82 11.40 to 28.61	34.88 33.88 to 35.91
East of M50 to West of M50	653	0	Average Range	22.17 14.78 to 35.18	29.46 21.18 to 83.90
West of M50 to Main Street Tallaght	1917	0	Average Range	17.00 9.77 to 22.26	16.43 14.62 to 17.92
Eden Quay to West of M50	9843	1611	Average Range	12.53 11.55 to 14.23	15.83 15.29 to 16.18

Table 10j Ballymun QBC

Ballymun QBC Roadside Survey Results - November 2009					
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	18.10 11.18 to 30.93	20.98 18.15 to 26.84
Griffith Avenue to Botanic Avenue	792	754	Average Range	13.77 7.64 to 21.43	16.20 12.90 to 21.43
Griffith Avenue to Dorset St Lwr/Whitworth Rd	2840	1185	Average Range	18.39 14.67 to 26.55	19.77 19.77
Botanic Avenue to Cliftonville Road	329	0	Average Range	8.84 3.95 to 28.20	38.18 34.81 to 43.87
Bon Secours Hospital to Cliftonville Road	595	0	Average Range	4.42 1.71 to 35.10	25.81 21.00 to 42.00
Cliftonville Road to Prospect Road/Whitworth Rd	578	457	Average Range	11.25 6.36 to 36.50	25.08 11.96 to 51.99
Prospect Rd/Whitworth Rd to Dorset St Lwr/Whitworth Rd	957	17	Average Range	25.71 14.66 to 54.69	18.83 12.85 to 34.44
Prospect Rd/Whitworth Rd to Phibsboro Rd/North Circular Rd	460	157	Average Range	6.04 4.40 to 9.80	6.52 3.53 to 12.45
Phibsboro Rd/North Circular Rd to Frederick Street North	1471	0	Average Range	15.95 7.59 to 27.73	21.53 16.29 to 29.59
Dorset St Lwr/Whitworth Rd to Frederick Street North	703	703	Average Range	8.67 4.39 to 24.81	9.31 6.68 to 17.34
Frederick Street North to Parnell Square East	390	390	Average Range	10.03 3.99 to 22.29	9.18 4.05 to 18.72
Frederick Street North to South Great Georges St	1864	981	Average Range	10.12 6.76 to 15.50	10.03 7.26 to 12.09
Parnell Square East to Lwr O'Connell Street	591	591	Average Range	11.26 5.73 to 25.02	9.85 6.24 to 26.66
Lwr O'Connell Street to College Green	563		Average Range	10.08 5.35 to 32.17	11.32 6.94 to 32.70
Lwr O'Connell Street to South Great Georges Street	883	0	Average Range	15.81 8.39 to 50.46	17.76 10.89 to 51.29
College Green to St Stephen's Green	1200	0	Average Range	15.16 9.41 to 26.18	14.60 9.49 to 20.28
College Green to Merrion Square	1110	525	Average Range	13.36 8.71 to 22.33	12.73 8.63 to 16.58
College Green to South Great Georges Street	200	0	Average Range	7.50 2.77 to 30.00	6.67 3.45 to 12.41
Inbound Ballymun to Lwr O'Connell St via Whitworth Road	6316	4562	Average Range	11.48 8.73 to 17.29	15.55 15.46 to 15.65
Inbound Ballymun to Lwr O'Connell St via Phibsboro	6587	3999	Average Range	12.81 11.35 to 16.90	15.36 14.77 to 16.49
Inbound Ballymun to Lwr O'Connell St via Griffith Ave	6500	4519	Average Range	15.52 12.49 to 21.37	15.52 15.52

Table 10j Ballymun QBC (continued)

Ballymun QBC Roadside Survey Results - November 2009					
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 Bank of Ireland via Camden St	1438	TBA	Average Range	8.83 6.44 to 15.88	8.99 7.56 to 11.85
Camden Street Upper to Bank of Ireland via Earlsfort Tce	1852	665	Average Range	11.84 8.31 to 18.73	12.72 9.76 to 15.80
Camden Street Upper to O'Connell St Lwr via Camden St	1939	798	Average Range	8.35 5.39 to 13.02	9.36 8.14 to 11.63
Camden Street Upper to O'Connell St Lwr via Earlsfort Tce	2353	665	Average Range	11.23 9.89 to 13.98	12.22 11.25 to 13.36
St Stephen's Green to Bank of Ireland	1228	TBA	Average Range	13.73 8.31 to 23.90	14.31 10.30 to 20.95
Merrion Square to O'Connell Street Lower	2124	906	Average Range	10.78 7.39 to 20.72	12.60 8.87 to 17.30
Bank of Ireland to O'Connell Street Lower	501	TBA	Average Range	9.91 3.31 to 41.92	14.79 14.31 to 15.41
O'Connell St Lower to Parnell Square West	788	450	Average Range	10.06 6.01 to 21.66	11.48 7.53 to 18.67
Parnell Sq West to Dorset Street Upper/Granby Row	224	20	Average Range	9.16 2.33 to 31.04	14.93 7.54 to 40.36
Parnell Sq West to Phibsboro Rd/North Circular Rd	1456	713	Average Range	11.34 5.92 to 24.84	15.29 10.99 to 22.79
Phibsboro Rd/North Circular Rd to Prospect Rd	424	0	Average Range	9.66 2.86 to 23.13	16.96 11.14 to 25.88
Granby Row to Blessington Street	233	233	Average Range	20.47 4.41 to 52.36	N/A N/A
Blessington St to Dorset St Lwr/Whitworth Rd	659	659	Average Range	9.02 3.55 to 38.28	12.23 8.56 to 19.94
Dorset Street Lwr/Whitworth to Prospect Rd	952	0	Average Range	6.37 3.78 to 17.14	14.58 8.63 to 25.58
Dorset St Lwr to Ballymun Rd/The Rise via Griffith Ave	3088	1380	Average Range	10.46 7.93 to 18.65	14.42 14.42
Prospect Road to Botanic Road/Glasnevin Hill	768	0	Average Range	17.28 11.82 to 48.51	20.18 16.17 to 46.88
Glasnevin Hill to Ballymun Road/The Rise	1354	0	Average Range	16.36 11.08 to 28.01	18.60 16.14 to 21.66
Ballymun Road/The Rise to Ballymun Shopping Centre	1751	1683	Average Range	15.19 7.93 to 21.08	17.46 13.00 to 21.22
Outbound O'Connell St to Ballymun via Whitworth Rd	6729	3045	Average Range	11.30 10.43 to 12.43	16.95 16.51 to 17.42
Outbound O'Connell St to Ballymun via Phibsboro	6541	2846	Average Range	13.13 10.97 to 15.12	16.52 15.86 to 17.43
Outbound O'Connell St to Ballymun via Griffith Ave	6743	4425	Average Range	10.60 8.22 to 14.69	15.69 15.69

Table 10k Bray QBC

Bray QBC Roadside Survey Results November 2009					
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	11.33 3.41 to 35.06	9.06 3.24 to 19.56
Upper Dargle Road to Wilford Roundabout	630	0	Average Range	9.90 6.32 to 22.68	11.69 8.72 to 14.73
Wilford Roundabout to Shanganagh Cemetery	1238	259	Average Range	39.79 27.51 to 57.90	40.15 33.01 to 45.94
Shanganagh Cemetery to Shankill Village	885	0	Average Range	37.93 28.20 to 61.25	45.50 37.05 to 61.24
Shankill Village to Loughlinstown Roundabout	1486	323	Average Range	19.45 14.00 to 25.84	23.46 21.06 to 24.43
Loughlinstown Roundabout to Cabinteely South	2653	2137	Average Range	25.40 19.65 to 34.00	34.36 26.02 to 44.84
Cabinteely South to Foxrock Church	2117	2017	Average Range	38.88 30.61 to 58.62	40.32 30.48 to 49.18
Total Inbound Distance Bray to Foxrock Church	9525	4898	Average Range	24.03 20.00 to 31.11	27.83 24.10 to 31.03
Total Inbound Distance Bray to Leeson Street	18710	13162	Average Range	19.27 15.86 to 22.26	27.13 25.35 to 29.01
Total Inbound Distance Bray to Westmoreland Street	20261	13732	Average Range	18.42 15.56 to 20.85	24.78 23.20 to 25.71
Total Inbound Distance Bray to Parnell Square West	21317	14182	Average Range	18.87 16.87 to 20.63	24.90 24.90

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	41.63 27.94 to 61.65	46.68 39.38 to 74.77
Cabinteely South to Loughlinstown Roundabout	2552	2552	Average Range	23.62 16.58 to 35.61	26.63 22.14 to 33.90
Loughlinstown Roundabout to Shankill Village	1483	0	Average Range	27.24 18.86 to 44.11	31.59 27.66 to 40.76
Shankill Village to Wilford Roundabout	2120	0	Average Range	29.36 23.85 to 39.34	28.06 21.62 to 39.96
Wilford Roundabout to Upper Dargle Road	628	0	Average Range	12.15 8.34 to 41.09	19.16 13.96 to 45.23
Upper Dargle Road to Bray Main Street	450	196	Average Range	18.00 8.14 to 50.66	16.20 5.44 to 30.58
Total Outbound Distance Foxrock Church to Bray	9476	4991	Average Range	25.16 21.06 to 31.82	28.17 25.50 to 32.55
Total Outbound Distance Leeson Street to Bray	18632	12798	Average Range	21.33 19.15 to 24.41	23.65 20.51 to 27.92
Total Outbound Distance D'Olier Street to Bray	20158	13260	Average Range	19.19 15.77 to 23.05	24.94 24.94
Total Outbound Distance Parnell Square East to Bray	20996	13851	Average Range	18.66 16.77 to 20.18	23.64 23.64

Table 10I Clontarf QBC

Clontarf QBC Roadside Survey Results - November 2009					
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	31.35 19.41 to 65.18	31.35 19.65 to 67.95
Vernon Avenue to Castle Avenue	923	923	Average Range	19.66 14.45 to 27.93	23.9 21.72 to 26.16
Castle Avenue to Alfie Byrne Road	812	812	Average Range	43.00 22.48 to 76.97	49.56 40.03 to 62.22
Alfie Byrne Road to Fairview	555	555	Average Range	11.16 7.80 to 16.38	14.91 12.57 to 18.68
Fairview to Amiens Street	1897	1529	Average Range	16.99 10.15 to 25.68	23.88 18.36 to 32.52
Amiens Street to Talbot Street	435	0	Average Range	10.80 6.50 to 23.37	10.73 6.99 to 16.84
Inbound Clontarf Garage to Fairview	2743	2743	Average Range	21.75 15.85 to 32.48	26.55 23.40 to 28.62
Inbound Clontarf Garage to Amiens Street	4640	4272	Average Range	19.84 13.65 to 25.62	25.82 23.30 to 29.83
Inbound Clontarf Garage to Talbot Street	5075	4272	Average Range	17.88 13.46 to 23.39	23.64 20.23 to 26.91

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	6.20 3.53 to 15.17	11.08 6.95 to 23.88
Amiens Street/North Strand to Fairview	1706	1706	Average Range	17.30 10.39 to 28.04	22.33 15.67 to 40.14
Fairview to Alfie Byrne Road	734	0	Average Range	14.76 8.72 to 26.69	19.01 14.68 to 25.17
Alfie Byrne Road to Castle Avenue	868	0	Average Range	14.60 10.81 to 37.66	19.41 13.13 to 31.89
Castle Avenue to Vernon Avenue	868	0	Average Range	36.34 18.16 to 58.98	39.54 35.50 to 46.62
Vernon Avenue to Clontarf Garage	419	0	Average Range	16.95 12.57 to 26.95	17.54 13.59 to 27.42
Outbound Fairview to Clontarf Garage	2889	0	Average Range	18.28 13.67 to 26.87	23.21 19.01 to 32.00
Outbound North Strand to Clontarf Garage	4595	1706	Average Range	18.00 15.43 to 22.35	25.33 21.77 to 31.33
Outbound Lwr Abbey Street to Clontarf Garage	5358	1706	Average Range	14.42 10.90 to 23.52	20.83 17.25 to 26.79

Table 10m Howth Road QBC

Howth Road QBC Roadside Survey Results - November 2009					
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 Range	28.35 21.60 to 48.92	26.68 19.80 to 35.13
Sybil Hill Road to Collins Avenue East	1042	727	Average Range	16.82 7.07 to 42.62	24.20 13.74 to 67.01
Collins Avenue East to Copeland Avenue	1283	319	Average Range	20.53 9.72 to 59.22	55.66 42.37 to 66.94
Copeland Avenue to Fairview	443	329	Average Range	10.16 7.15 to 15.98	9.66 6.28 to 16.96
Fairview to Amiens Street	1897	1529	Average Range	16.99 10.15 to 25.68	23.88 18.36 to 32.52
Amiens Street to Talbot Street	435	0	Average Range	10.80 6.50 to 23.37	10.73 6.99 to 16.84
Inbound Raheny to Fairview	4154	2339	Average Range	19.75 14.41 to 26.37	24.04 19.35 to 32.02
Inbound Raheny to Amiens Street	6051	3868	Average Range	18.05 12.73 to 32.76	21.50 20.57 to 22.55
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 Range	5.84 3.22 to 14.58	10.35 8.72 to 12.72
Amiens Street/North Strand to Fairview	1706	1706	Average Range	17.30 10.39 to 28.04	22.33 15.67 to 40.14
Fairview to Copeland Avenue	610	0	Average Range	12.27 7.25 to 22.18	21.12 12.70 to 47.72
Copeland Avenue to Collins Avenue East	1241	0	Average Range	16.86 12.34 to 21.27	21.27 17.18 to 31.46
Collins Avenue East to Sybil Hill Road	1030	0	Average Range	14.43 9.61 to 22.47	22.33 15.38 to 67.39
Sybil Hill Road to Raheny	1467	122	Average Range	37.46 19.93 to 49.81	34.75 29.51 to 47.14
Fairview to Raheny	4348	122	Average Range	18.81 16.10 to 22.20	24.89 22.95 to 27.17
Outbound North Strand to Raheny	6054	1828	Average Range	18.68 16.40 to 21.02	24.79 23.01 to 26.84
Outbound Eden Quay to Raheny	6856	1828	Average Range	14.54 12.10 to 18.10	20.88 20.88

Table 10n Crumlin Road QBC

Crumlin Road QBC Roadside Survey Results - November 2009					
Sectional Results - Bus Journey Speeds					
Section	Distance Metres	Bus Lane Metres		AM Peak Inbound Km/h	Off Peak Inbound Km/h
Walkinstown Road to Drimnagh Road	882	0	Average Range	14.98 10.11 to 28.34	25.41 18.36 to 48.86
Drimnagh Road to St Marys Road	706	706	Average Range	30.63 12.16 to 70.60	15.50 10.46 to 23.11
St Marys Road to Dolphins Barn	1934	882	Average Range	12.13 6.73 to 25.32	14.36 11.88 to 18.62
Dolphins Barn to Dean Street	1474	1287	Average Range	13.37 6.95 to 28.08	16.48 14.19 to 22.20
Dean Street to Westmoreland Street	1425	197	Average Range	13.19 9.21 to 23.86	11.30 10.22 to 13.26
Westmoreland Street to Ringsend Road	1741	0	Average Range	11.83 8.20 to 16.94	14.21 12.90 to 16.15
Corridor Distance Drimnagh Rd to Westmoreland St	5539	3072	Average Range	14.39 10.19 to 24.59	14.17 12.20 to 16.78
Inbound Distance Drimnagh Road to Dean Street	4114	2875	Average Range	14.84 9.55 to 26.40	15.35 12.82 to 18.49
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	9.51 7.46 to 15.28	12.66 10.51 to 15.99
College Green to Dean Street	1290	118	Average Range	9.18 6.54 to 12.83	11.11 8.68 to 16.47
Dean Street to Dolphins Barn	1475	1379	Average Range	10.13 7.15 to 14.15	12.77 9.92 to 18.83
Dolphins Barn to St Marys Road	1900	377	Average Range	23.67 15.98 to 34.37	26.41 16.97 to 38.22
St Marys Road to Drimnagh Road	739	739	Average Range	6.07 4.85 to 11.22	6.67 4.78 to 9.64
Drimnagh Road to Walkinstown Road	913	0	Average Range	26.09 13.47 to 55.73	28.83 16.11 to 47.63
Corridor Distance College Green to Drimnagh Road	5404	2613	Average Range	14.01 11.22 to 17.93	15.95 13.51 to 20.65
Outbound Distance Dean Street to Drimnagh Road	4114	2495	Average Range	11.62 9.22 to 15.93	13.78 11.40 to 17.89

Table 10o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2009					
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	22.71 10.72 to 52.47	29.26 20.29 to 47.55
Booterstown to Ballsbridge	3209	2117	Average Range	14.02 8.32 to 23.01	21.59 16.32 to 39.97
Ballsbridge to Merrion Square	1664	916	Average Range	15.17 11.13 to 21.86	15.64 12.80 to 23.40
Merrion Square to O'Connell Street	2124	906	Average Range	19.20 16.77 to 33.98	16.84 11.31 to 36.83
Total Inbound Blackrock to O'Connell Street					
	8265	5005	Average Range	17.24 13.12 to 22.56	21.41 17.65 to 27.22
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	12.56 8.23 to 18.67	14.77 11.67 to 20.17
Merrion Square to Ballsbridge	1609	217	Average Range	16.14 10.53 to 32.92	21.30 15.12 to 28.54
Ballsbridge to Booterstown	3218	345	Average Range	10.81 8.59 to 15.01	20.58 17.47 to 24.60
Booterstown to Frascati Road	1277	1095	Average Range	25.82 14.19 to 39.97	26.27 23.58 to 31.06
Total Outbound O'Connell St to Blackrock					
	7712	2182	Average Range	13.44 11.19 to 15.60	18.09 16.85 to 19.51

Table 10o Rock Road QBC

Rock Road QBC Roadside Survey Results - November 2009					
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	22.71 10.72 to 52.47	29.26 20.29 to 47.55
Booterstown to Ballsbridge	3209	2117	Average Range	14.02 8.32 to 23.01	21.59 16.32 to 39.97
Ballsbridge to Merrion Square	1664	916	Average Range	15.17 11.13 to 21.86	15.64 12.80 to 23.40
Merrion Square to O'Connell Street	2124	906	Average Range	19.20 16.77 to 33.98	16.84 11.31 to 36.83
Total Inbound Blackrock to O'Connell Street					
	8265	5005	Average Range	17.24 13.12 to 22.56	21.41 17.65 to 27.22
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	12.56 8.23 to 18.67	14.77 11.67 to 20.17
Merrion Square to Ballsbridge	1609	217	Average Range	16.14 10.53 to 32.92	21.30 15.12 to 28.54
Ballsbridge to Booterstown	3218	345	Average Range	10.81 8.59 to 15.01	20.58 17.47 to 24.60
Booterstown to Frascati Road	1277	1095	Average Range	25.82 14.19 to 39.97	26.27 23.58 to 31.06
Total Outbound O'Connell St to Blackrock					
	7712	2182	Average Range	13.44 11.19 to 15.60	18.09 16.85 to 19.51

Table 10p South Clondalkin QBC

South Clondalkin QBC Roadside Survey Results - November 2009					
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	18.79 15.90 to 24.86	24.39 22.05 to 29.75
Ninth Lock Road to Naas Road	2932	2155	Average Range	23.00 17.00 to 32.18	24.89 24.10 to 25.75
Naas Road to Drimnagh Road	1641	1376	Average Range	21.72 17.12 to 25.80	41.02 37.15 to 45.44
Drimnagh Road to St Mary's Road	706	706	Average Range	30.63 12.16 to 70.60	15.50 10.46 to 23.11
St Mary's Road to Dolphin's Barn	1934	882	Average Range	12.13 6.73 to 25.32	14.36 11.88 to 18.62
Dolphin's Barn to Dean Street	1474	1287	Average Range	13.37 6.95 to 28.08	16.48 14.19 to 22.20
Dean Street to Bachelors Walk	1534	767	Average Range	11.11 8.84 to 14.84	15.30 14.49 to 16.15
Bachelors Walk to Custom House Quay	666		Average Range	13.55 7.22 to 32.41	21.03 17.90 to 25.24
Custom House Quay to North Wall Quay (O2)	1500		Average Range	20.61 8.93 to 38.02	22.13 9.68 to 46.95
Nangor Road/Grangecastle to Bachelors Walk	13039	9391	Average Range	15.73 12.88 to 20.56	18.57 18.57

Section	Distance Metres	Bus Lane Metres		PM Peak Outbound Km/h	Off Peak Outbound Km/h
Georges Quay to College Green	828		Average Range	5.84 5.04 to 6.98	5.89 4.50 to 8.17
College Green to Dean Street	1290	118	Average Range	9.18 6.54 to 12.83	11.11 8.68 to 16.47
Dean Street to Dolphin's Barn	1475	1379	Average Range	10.13 7.15 to 14.16	12.77 9.92 to 18.83
Dolphin's Barn to St Mary's Road	1900	377	Average Range	23.67 15.98 to 34.37	26.41 16.97 to 38.22
St Mary's Road to Drimnagh Road	739	739	Average Range	6.07 4.85 to 11.22	6.67 4.78 to 9.64
Drimnagh Road to Naas Road	1620	1279	Average Range	18.23 11.13 to 24.92	18.57 16.57 to 22.09
Naas Road to Ninth Lock Road	3105	2483	Average Range	33.37 25.87 to 46.19	33.07 26.30 to 61.75
Ninth Lock Road to Nangor Road/Grangecastle	2778	2390	Average Range	22.08 17.36 to 25.51	21.23 17.73 to 25.00
College Green to Nangor Road/Grangecastle	12907	8765	Average Range	17.02 16.05 to 20.33	17.91 17.91

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 2009 and are compared with the years 2002 to 2008. 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 National Transport Authority at the following e-mail address: <mailto:michael.warnock-smith@nationaltransport.ie>

Table 11 Morning Peak Period League Table (continued)

Quality Bus Corridors - AM Peak Average Sectional Bus Speeds - League Table - November 2009																							
Ave Journey Time (S)	Ave Speed KM/H	Ave Speed KM/H	2007	2006	2005	2004	2003	2002	Section	Section Length Metres	Bus Lane Metres	QBC	Time Period	Range		Position	Position	2007	2006	2005	2004	2003	2002
														Low	High								
														KM/H	KM/H								
318	23.09	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	15.94	32.21	26/133	12/136	16/138	37/130	18/132	9/106	3/97	N/A
347	23.78	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	16.84	30.11	25/133	89/136	56/138	53/130	75/132	33/106	28/97	N/A
279	23.87	22.81	17.39	22.57	11.36	24.95	23.78	25.13	Main Street Tallaght to West of M50	1850	1106	Tallaght	AM Peak	19.47	38.95	24/133	20/136	49/138	24/130	78/132	13/106	13/97	10/74
259	24.00	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	16.53	39.59	23/133	97/136	101/138	38/130	73/132	22/106	17/97	8/74
207	24.66	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	23.86	26.20	22/133	38/136	44/138	10/130	17/132	14/106	19/97	5/74
925	24.62	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	19.25	32.22	21/133	N/A	62/138	N/A	N/A	N/A	N/A	N/A
396	24.70	24.58	21.88	22.34	N/A	11.03	N/A	N/A	Ongar to Hansfield Road	2717	1448	Blanchardstown	AM Peak	18.96	32.17	20/133	16/136	24/138	25/130	N/A	73/106	N/A	N/A
156	24.95	16.46	26.30	17.74	18.24	16.16	17.42	24.78	B'town Rd South to Rear of Town Centre	1074	302	Blanchardstown	AM Peak	18.95	30.94	19/133	70/136	15/138	40/130	39/132	55/106	31/97	11/74
376	25.40	24.74	37.90	35.63	23.64	32.05	N/A	N/A	Loughinstown R/bt to Cabinteely South	2653	2137	Bray	AM Peak	19.65	34.00	18/133	14/136	6/138	4/130	20/132	N/A	N/A	N/A
134	25.71	14.05	12.25	13.10	13.41	10.99	13.99	15.38	Prospect Road to Dorset Street Lower	957	17	Finglas	AM Peak	14.65	54.69	17/133	81/136	85/138	66/130	65/132	75/106	54/97	29/74
522	25.80	21.69	21.62	19.16	22.15	27.05	16.98	27.88	Airport South to Omni Park	3741	3063	Swords	AM Peak	14.13	38.59	16/133	27/136	26/138	35/130	25/132	11/106	35/97	7/74
134	26.65	25.15	23.81	25.68	22.98	36.45	35.70	51.00	Priorswood Rd to Greencastle Rd - Direct	992	671	Malahide	AM Peak	16.53	43.04	15/133	13/136	22/138	12/130	24/132	4/106	5/97	1/74
161	27.01	21.36	28.93	25.82	8.04	35.88	26.48	N/A	Casino Park to Fairview	1133	1054	Malahide	AM Peak	13.87	76.99	14/133	24/136	9/138	13/130	105/132	5/106	11/97	N/A
176	28.35	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	21.60	48.92	13/133	36/136	11/138	11/130	108/132	N/A	N/A	N/A
81	29.91	18.63	26.34	12.05	16.24	10.58	16.14	14.33	West of M50 to East of M50	673	0	Tallaght	AM Peak	20.02	50.48	12/133	42/136	13/138	74/130	53/132	78/106	48/97	30/74
83	30.63	14.44	17.90	16.63	N/A	N/A	N/A	N/A	Drinnagh Road to St Marys Road	706	706	South Clondalkin	AM Peak	12.16	70.60	11/133	76/136	42/138	N/A	N/A	N/A	N/A	N/A
230	30.65	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	22.03	62.92	10/133	3/136	5/138	3/130	9/132	2/106	4/97	2/74
52	31.35	29.13	20.13	20.91	16.23	20.74	N/A	N/A	Clontarf Garage to Vernon Avenue	453	453	Clontarf	AM Peak	19.41	65.18	9/133	7/136	31/138	29/130	54/132	N/A	N/A	N/A
206	35.41	30.01	18.80	23.83	36.65	34.24	30.01	25.86	Foxhunter to West of M50	2026	2026	Lucan	AM Peak	21.45	55.25	8/133	6/136	36/138	20/130	2/132	6/106	7/97	9/74
84	37.93	24.70	24.50	24.14	23.78	17.60	N/A	N/A	Shanganagh Cemetery to Shankill	885	0	Bray	AM Peak	28.20	61.25	7/133	15/136	20/138	18/130	19/132	N/A	N/A	N/A
196	38.88	38.69	25.32	26.37	34.96	23.67	N/A	N/A	Cabinteely South to Foxrock Church	2117	2017	Bray	AM Peak	30.61	58.62	6/133	4/136	17/138	9/130	6/132	N/A	N/A	N/A
112	39.79	43.69	48.45	48.96	55.02	38.09	N/A	N/A	Wilford Roundabout to Shanganagh Cemetery	1238	259	Bray	AM Peak	27.51	57.90	5/133	2/136	2/138	2/130	1/132	N/A	N/A	N/A
117	40.43	31.75	43.39	22.96	27.03	23.10	43.39	N/A	Airside Business Park to Cloghran R/bt	1314	1165	Swords	AM Peak	25.57	78.84	4/133	5/136	3/138	22/130	14/132	17/106	2/97	N/A
108	43.00	27.32	26.33	22.14	N/A	22.48	N/A	N/A	Castle Avenue to Alife Byrne Road	812	812	Clontarf	AM Peak	22.48	76.97	3/133	11/136	14/138	27/130	N/A	N/A	N/A	N/A
52	43.94	27.87	26.59	28.22	12.36	N/A	N/A	N/A	Nephin Road to Ratoath Road	635	562	Blanchardstown	AM Peak	17.45	69.27	2/133	10/136	12/138	8/130	70/132	N/A	N/A	N/A
248	56.15	50.27	51.77	50.64	34.99	N/A	N/A	N/A	Palmerston to Con Colbert Road	3868	3868	Lucan	AM Peak	36.36	72.53	1/133	1/136	1/138	1/130	5/132	N/A	N/A	N/A

14. 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.

Information is available for Greenhills, and the Orbital QBCs and can be obtained from Michael Warnock-Smith of National Transport Authority Please e-mail: <mailto:michael.warnock-smith@nationaltransport.ie>

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

Appendix 1 November 2009 Survey Points

Blanchardstown QBC Survey Points November 2009							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
2	Clonsilla Road east of junction with Hansfield 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	(1 surveyor)	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	Carpenterstown Road just north of junction with Diswellstown Road	TBA	TBA	Inbound	AM/OPI		
12	Castleknock Road at bus stop south of junction with Park Lodge	TBA	TBA	Inbound	AM/OPI		
13	South on Navan Rd south of junction with Castleknock Rd at start of bus lane	311147.48	237012.80	Inbound	AM/OPI		B'town
14	South on Navan Rd south of junction with Nephin Rd at start of bus lane	312729.97	236252.12	Inbound	AM/OPI		B'town
15	South on Navan Rd north of junction with Ratoath Road at end of bus lane	313211.27	236002.10	Inbound	AM/OPI		B'town
16	South on Old Cabra Rd north of junction with North Circular Rd	313968.28	235475.54	Inbound	AM/OPI		B'town
17	East on North Circular Road at bus stop east of junction with Old Cabra Road	TBA	TBA	Inbound	AM/OPI		
18	East on North Circular Road at bus stop east of junction with Phibsborough Road	TBA	TBA	Inbound	AM/OPI		
19	South on Manor Street adjacent to Kinwan Street	314326.25	234937.09	Inbound	AM/OPI		B'town
20	South on Blackhall Place north of jct with Ellis Quay at end of bus lane	314440.44	234325.36	Inbound	AM/OPI		B'town
21	East on Ormond Quay Upper just west of Capel Street	315405.26	234244.03	Inbound	AM/OPI		B'town
22	Parnell Square East prior to junction with Parnell Street	315803.22	235027.07	Inbound	AM/OPI	Count Buses Only	
23	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	
24	Bus terminus at Hawkins Street	316130.41	234287.64	Outbound	PM/OPO	Count Buses only	B'town
25	Parnell Square West opposite bus stop outside No 41	315593.38	235019.18	Outbound	PM/OPO		
26	West on North Circular Road at Royal Canal Bank east of junction with Phibsborough Road	TBA	TBA	Outbound	PM/OPO		
27	West on North Circular Road at bus stop east of junction with Old Cabra Road	TBA	TBA	Outbound	PM/OPO		
28	West on Merchants Quay adjacent to Winetavern St at start of bus lane	315089.70	234113.06	Outbound	PM/OPO		B'town
29	On James Joyce Bridge	314436.38	234283.19	Outbound	PM/OPO		B'town
30	North on Manor Street just north of Manor Place	314298.00	234936.91	Outbound	PM/OPO		B'town
31	North on Old Cabra Road just north of junction with North Circular Road	313960.26	235469.13	Outbound	PM/OPO		B'town
32	North on Navan Road just north of junction with Ratoath Road	313285.35	235935.15	Outbound	PM/OPO		B'town
33	North on Navan Road just north of junction with Nephin Road	312612.81	236299.41	Outbound	PM/OPO		B'town
34	North on Navan Road at end of bus lane south of junction with Castleknock Road	311004.90	237072.13	Outbound	PM/OPO		B'town
35	North on Castleknock Road opposite bus stop south of junction with Park Lodge	TBA	TBA	Outbound	PM/OPO		
36	Carpenterstown Road just north of junction with Diswellstown Road	TBA	TBA	Outbound	PM/OPO		
37	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
38	North on B'town Bypass south of roundabout to Main Street	TBA	TBA	Outbound	PM/OPO	2 surveyors	B'town
39	Main Street just south of junction with Clonsilla Road	307812.02	238830.44	Outbound	PM/OPO		B'town
40	West on Clonsilla Road east of junction with Coolmine Road	306982.20	238187.85	Outbound	PM/OPO		B'town
41	West on Blakestown Way after junction with B'town Rd South	306574.58	239354.68	Outbound	PM/OPO		B'town
42	On slip road from B'town Bypass just past rear of shopping centre	307295.39	239512.94	Outbound	PM Peak	(1 surveyor)	B'town
43	South on B'town Road South north arm at junction with Blakestown Way	306642.63	239352.31	Outbound	PM Peak		B'town
44	Ongar Terminus south of Linnetfields Roundabout	TBA	TBA	Outbound	PM/OPO		B'town

Appendix 1 November 2009 Survey Points (continued)

Finglas QBC Survey Points incorporating Ballymun QBC - November 2009							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 Clifforville 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	College Green by taxi rank	TBA	TBA	Outbound	AM/OPI	2 surveyors	Finglas & Ballymun
15	St Stephen's Green East prior to junction with Leeson Street	TBA	TBA	Outbound	AM/OPI	Count Buses Only	Finglas
16	Merrion Square just east of north east corner	316821.37	233567.23	Outbound	AM/OPI	Count Buses Only	Ballymun
17	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	
18	Camden Street Upper south of traffic lights by Bleeding Horse Pub	315623.74	232831.01	Inbound	PM/OPO	Count Buses Only	Ballymun
19	St Stephen's Green East north of junction with Leeson Street	TBA	TBA	Inbound	PM/OPO	Count Buses Only	Finglas
20	Merrion Square just west of north east corner	316871.20	233552.80	Inbound	PM/OPO	Count Buses Only	Ballymun
21	Bank of Ireland	TBA	TBA	Inbound	PM/OPO	2 surveyors	Finglas & Ballymun
22	O'Connell Street south of junction with Middle Abbey Street	315939.32	234470.25	Outbound	PM/OPO		Ballymun
23	Parnell Square West opposite bus stop outside No 41	315593.38	235019.18	Outbound	PM/OPO		Ballymun
24	Dorset St Upper just north of junction with Granby Row	315452.08	235172.55	Outbound	PM/OPO		Ballymun
25	Dorset St Lower north of junction with Blessington St at start of bus lane	315557.48	235379.43	Outbound	PM/OPO		Ballymun
26	Parnell Street Service 40 departure point	315856.11	235026.67	Outbound	PM/OPO		Finglas
27	Dorset Street Lower south of junction with Whitworth Road	315887.84	235949.19	Outbound	PM/OPO	2 surveyors	Finglas & Ballymun
28	North on Phibsborough Road at bus stop north of junction with NCR	315038.37	235900.64	Outbound	PM/OPO		Ballymun
29	Prospect Road on island at Harts Corner	TBA	TBA	Outbound	PM/OPO		Finglas & Ballymun
30	Finglas Road by Finglas Place	313447.40	238561.21	Outbound	PM/OPO		Finglas
31	Mellowes Road bridge over N2 west of junction with Main Street	313060.44	239064.80	Outbound	PM/OPO		Finglas
32	Botanic Road bus stop south of junction with Glasnevin Hill	315268.95	236897.58	Outbound	PM/OPO		Ballymun
33	Ballymun Road at start of outbound bus lane opposite The Rise	315435.93	238105.44	Outbound	PM/OPO		Ballymun
34	Ballymun Road bus stop outside shopping centre	315504.50	239842.08	Outbound	PM/OPO		Ballymun

Appendix 1 November 2009 Survey Points (continued)

Lucan QBC Survey Points November 2009							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		Count buses only Lucan

Appendix 1 November 2009 Survey Points (continued)

Malahide QBC Survey Points Incorporating Howth Road & Clontarf QBCs - November 2009							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	320203.63	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	St Stephen's Green East prior to junction with Leeson Street	TBA	TBA	Outbound	AM/OPI	Count Buses Only	Malahide
20	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	
21	Talbot Street Bus Terminus Departure Point	316317.65	234789.33	Outbound	PM/OPO	Count Buses only	Malahide
22	Eden Quay just after 29A/31 Series departure point	316213.46	234512.39	Outbound	PM/OPO	Count Buses only	Howth
23	Abbey Street Lower East of 42, 43, 51A departure Point	316180.69	234586.20	Outbound	PM/OPO	Count Buses only	Clontarf
24	St Stephen's Green East north of junction with Leeson Street	TBA	TBA	Inbound	PM/OPO	Count Buses Only	Malahide
25	Amiens Street/North Strand Road start of bus lane	316665.99	235050.04	Outbound	PM/OPO		Howth Clontarf & Malahide
26	Junction of Fairview Strand/Malahide Road at end of bus lane	317749.41	236319.94	Outbound	PM/OPO		Howth Clontarf & Malahide
27	Clontarf Road at bus stop east of junction with Alfie Byrne Road	318463.83	236225.08	Outbound	PM/OPO		Clontarf
28	Clontarf Road at bus stop east of junction with Castle Avenue	319268.35	235932.50	Outbound	PM/OPO		Clontarf
29	Clontarf Road at bus stop west of junction with Vernon Avenue	320119.42	235824.00	Outbound	PM/OPO		Clontarf
30	Clontarf Road at bus stop by bus garage/Conquer Hill Road	320502.73	235757.58	Outbound	PM/OPO		Clontarf
31	Howth Road west of junction with Copeland Avenue	318285.84	236539.34	Outbound	PM/OPO		Howth
32	Howth Road at bus stop west of junction with Collins Avenue East	319359.20	237075.96	Outbound	PM/OPO		Howth
33	Howth Road west of junction with Sybil Hill Road	320152.91	237630.02	Outbound	PM/OPO		Howth
34	Howth Road on island by clock tower at junction with Station Rd Raheny	321473.79	238222.74	Outbound	PM/OPO		Howth
35	Malahide Road start of bus lane just north of Griffith Avenue	318111.79	236826.26	Outbound	PM/OPO		Malahide
36	Malahide Road just south of junction with Collins Avenue	318561.89	237584.12	Outbound	PM/OPO		Malahide
37	Malahide Road just north of junction with Kilmore Road start of bus lane	319244.89	238244.02	Outbound	PM/OPO		Malahide
38	Malahide Road south of junction with Greencastle Road at end of bus lane	320081.14	239368.79	Outbound	PM/OPO		Malahide
39	Malahide Rd north of r'bout P'swood Rd/Blunden Drive at start of bus lane	320669.83	240138.67	Outbound	PM/OPO		Malahide
40	Terminus in Clare Hall	321622.93	240644.40	Outbound	PM/OPO		Malahide

Appendix 1 November 2009 Survey Points (continued)

North Clondalkin QBC Survey Points incorporating South Clondalkin & Crumlin Road QBC - November 2009							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 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
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	Walkinstown Road at bus stop after Walkinstown Roundabout	311103.06	230864.63	Inbound	AM/OPI		Crumlin
11	Drimnagh Road east of junction with Walkinstown Road	311486.61	231721.58	Inbound	AM/OPI		SC & Crumlin
12	Crumlin Road east of junction with St Mary's Road	312218.79	231913.10	Inbound	AM/OPI		SC & Crumlin
13	Dolphins Barn at junction with South Circular Road	313088.15	232828.98	Inbound	AM/OPI		SC & Crumlin
14	Dean Street between Francis Street and Patrick Street	315070.81	233469.57	Inbound	AM/OPI		Crumlin
15	Bachelors Walk just west of O'Connell Street Bridge	315867.10	234384.37	Inbound	AM/OPI	(All traffic)	SC
16	Custom House Quay East of Memorial Road	TBA	TBA	Outbound	AM/PM		SC & Pre QBC
17	North Wall Quay at bus stop at The O2	TBA	TBA	Outbound	AM/PM		SC & Pre QBC
18	Westmoreland Street south of Fleet Street	315975.18	234216.23	Inbound	AM/OPI	Count Buses only	Crumlin
19	Ringsend Road east of Barrow Street	TBA	TBA	Outbound	AM/OPI	(All traffic)	Crumlin
20	Ringsend Road east of Barrow Street	TBA	TBA	Inbound	PM/OPO	(All traffic)	Crumlin
21	North Wall Quay opposite bus stop at The O2	TBA	TBA	Inbound	AM/PM		Pre QBC
22	Georges Quay at start of bus lane	TBA	TBA	Inbound	AM/PM		Pre QBC
23	Aston Quay west of 68 bus stop	TBA	TBA	Outbound	PM/OPO		NC
24	College Green by taxi rank	TBA	TBA	Outbound	PM/OPO		SC & Crumlin
25	Dean Street between Patrick Street and Francis Street	315068.15	233452.53	Outbound	PM/OPO		Crumlin
26	Dolphins Barn at junction with South Circular Road	313891.88	232810.35	Outbound	PM/OPO		SC & Crumlin
27	Crumlin Road east of junction with St Mary's Road	312248.61	231916.29	Outbound	PM/OPO		SC & Crumlin
28	Drimnagh Road east of junction with Walkinstown Road	311574.57	231711.81	Outbound	PM/OPO		SC & Crumlin
29	Walkinstown Road just prior to Walkinstown Roundabout at end of bus lane	311172.03	231002.57	Outbound	PM/OPO		Crumlin
30	Long Mile Road just prior to junction with Naas Road	309960.04	231583.89	Outbound	PM/OPO		SC
31	Nangor Road just prior to junction with Ninth Lock Road	306994.06	232029.26	Outbound	PM/OPO		SC
32	Nangor Road on city side of Grangecastle roundabout	304519.50	230926.71	Outbound	PM/OPO		SC
33	Bridge Street just south of junction with Merchants Quay	314875.07	234108.89	Outbound	PM/OPO		NC
34	West on Commarket east of Francis Street	314865.29	233904.67	Outbound	PM/OPO		NC
35	West on James Street east of Echlin Street	314100.35	233919.63	Outbound	PM/OPO		NC
36	West on Emmet Rd east of junction with Tyrconnell Rd/Grattan Crescent	311911.25	233421.29	Outbound	PM/OPO		NC
37	Ballyfermot Rd at end of bus lane east of junction with Kylemore Road	310069.45	233697.13	Outbound	PM/OPO		NC
38	Ballyfermot Road at end of bus lane east of junction with Coldcut Road	307979.75	233984.64	Outbound	PM/OPO		NC
39	Liffey Valley Centre 78A Arrival Stop	TBA	TBA	Outbound	PM/OPO		NC

Appendix 1 November 2009 Survey Points (continued)

Rathfarnham QBC Survey Points incorporating Clanbrassil Street/Patrick Street - November 2009							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 2009 Survey Points (continued)

Stillorgan QBC Survey Points incorporating N11 extension to Bray & Rock Road QBC - November 2009							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		Bray Stillorgan & Rock Road
19	Parnell Square West opposite bus stop outside No 41	315593.38	235019.18	Outbound	AM/OPI	Count buses only	Bray Stillorgan & Rock Road
Point No.	Description	X Coordinate	Y Coordinate	Direction	Survey Periods	Notes	
20	40 Terminus Parnell Square East	315803.22	235027.07	Inbound	PM/OPO	Count buses only	Bray & Stillorgan
21	D'Olier Street north of Fleet Street	TBA	TBA	Outbound	PM/OPO	Count buses only	Bray, Stillorgan & Rock Road
22	Merrion Square just east of north east corner	316871.20	233552.80	Outbound	PM/OPO		Rock Road
23	Northumberland Avenue north of junction with Merrion Rd & Anglesea Rd	317928.25	232414.55	Outbound	PM/OPO		Rock Road
24	Rock Road north of junction with Booterstown Avenue	320225.89	230272.15	Outbound	PM/OPO		Rock Road
25	Rock Road north of junction with Main Street/Frascati Road	321233.45	229518.56	Outbound	PM/OPO		Rock Road
26	Leeson Street south of junction with St Stephen's Green	316167.69	233147.25	Outbound	PM/OPO		Bray & Stillorgan
27	Morehampton Rd at start of bus lane south of jct with Wellington Place	317032.63	232217.22	Outbound	PM/OPO		Bray & Stillorgan
28	Stillorgan Road north of junction with Ailesbury Road/Beaver Row	317849.22	231346.84	Outbound	PM/OPO		Bray & Stillorgan
29	Stillorgan Road just south of junction with Mount Merrion Avenue	319811.78	228822.55	Outbound	PM/OPO	2 surveyors	Bray & Stillorgan
30	Stillorgan Road just north of junction with Kill Lane	321829.69	226389.65	Outbound	PM/OPO	2 surveyors	Bray & Stillorgan
31	Dun Laoghaire DART Station set down bus stop	324392.57	228780.96	Outbound	PM/OPO	Count buses only	Stillorgan
32	Bus stop south of Cabinteely South Footbridge	323600.72	225030.71	Outbound	PM/OPO	2 surveyors	Bray
33	Bus stop north of Loughlinstown Roundabout	324901.71	222902.72	Outbound	PM/OPO		Bray
34	Shankill village bus stop on Dublin Road	325322.28	221585.81	Outbound	PM/OPO		Bray
35	Opposite Esso Garage south of Wilford Roundabout	325766.35	219600.96	Outbound	PM/OPO		Bray
36	Bus stop at Castle Street south of junction with Upper Dargle Road	326088.39	219072.30	Outbound	PM/OPO		Bray
37	Main Street Bray north of junction with Quinsborough Road	326385.36	218768.72	Outbound	PM/OPO		Bray

Appendix 1 November 2009 Survey Points (continued)

Swords QBC Survey Points - November 2009							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		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	2 surveyors Count Buses only Count Buses only	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 2009 Survey Points (continued)

Tallaght QBC Survey Points - November 2009							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