

CONTRACT SPECIFICATION

Tenders are requested for the following contract to operate a bus service.

Contract Reference	QC37401
Route Number	43/N43
Terminus Points	Friern Barnet Library and London Bridge Station
Contract Basis	Incentivised
Commencement Date	4 th February 2012
Vehicle Type	87 capacity, dual door, double deck vehicles
Maximum Approved Dimensions	10.5 metres long and 2.55 metres wide
Advertising Rights	Operator
Sponsored Route	No
Minimum Performance Std - Route No. 43	Average Excess Wait Time - No more than 1.20 minutes
Extension Threshold - Route No. 43	Average Excess Wait Time Threshold - 1.05 minutes
Minimum Operated Mileage - Route No. 43	No less than 98.00%
Departing on Time - Route No. N43	No less than 85.00%
Minimum Operated Mileage - Route No. N43	No less than 99.00%

Tender Return Date: later than 12 o'clock on 7 February 2011

SERVICE SPECIFICATION

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1) NOTES

Proposed Changes:

At this time, the Corporation expects to implement a change to the existing service prior to the commencement of the new Route Agreement for Route No. 43 & N43.

- The first stage of construction works at London Bridge Station bus station will commence on 3rd September 2011 and is expected to last for 7 months (until April 2012). Route Nos. 43 & N43 will stand at Nebraska Street for the duration of the works and the stops within the station will be withdrawn. The set down will be stop Y, on the south side of London Bridge and pick up will be stop M, on the south side of London Bridge.
- **Please see Section 5 for full list of streets traversed.**

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. 43 & N43.

- The designation Route No. N43 is used for contractual purposes only. This service will be marketed as Route No. 43. This includes all publicity, including destination blind displays.
- **Tenderers must identify the cost of the Nightly element of this service separately.**

2) SCHEDULE REQUIREMENTS & PINCHPOINTS

2.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Friern Barnet Library to London Bridge Station			London Bridge Station to Friern Barnet Library		
First departure no later than 0430.			First departure no later than 0525.		
0425 - 0530	Every 20 minutes		0520 - 0625	Every 20 minutes	
0531 - 0600	Every 10 minutes		0626 - 0655	Every 10 minutes	
0601 - 0715	Every 6 minutes		0656 - 0850	Every 6 minutes	
0716 - 0800	Every 5 minutes		0851 - 1000	Every 5 minutes	
0801 - 0900	Every 5-6 minutes (11 buses per hour)		1001 - 1100	Every 6 minutes	
0901 - 1435	Every 6-7 minutes (9 buses per hour)		1101 - 1600	Every 6-7 minutes (9 buses per hour)	
1436 - 1505	Every 6 minutes		1601 - 1630	Every 6 minutes	
1506 - 1650	Every 5 minutes		1631 - 1730	Every 5 minutes	
1651 - 1730	Every 6 minutes		1731 - 1830	Every 5-6 minutes (11 buses per hour)	
1731 - 1830	Every 7-8 minutes (8 buses per hour)		1831 - 1945	Every 6 minutes	
1831 - 1930	Every 10 minutes		1946 - 2115	Every 10 minutes	
1931 - 2335	Every 12 minutes		2116 - 0030	Every 12 minutes	
Last departure no earlier than 2330.			Last departure no earlier than 0025.		
Pinchpoints					
Highbury & Islington Station	0730 - 0750	6 minutes	Highgate Station, Woodman	0725 - 0745	10 minutes
	0751 - 0845	5 minutes		0746 - 0900	6 minutes
	1515 - 1545	6 minutes		1500 - 1630	7 minutes
	1546 - 1630	5 minutes			

2.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Friern Barnet Library to London Bridge Station			London Bridge Station to Friern Barnet Library		
First departure no later than 0430.			First departure no later than 0525.		
0425 - 0530	Every 20 minutes		0520 - 0625	Every 20 minutes	
0531 - 0700	Every 15 minutes		0626 - 0755	Every 15 minutes	
0701 - 0800	Every 12 minutes		0756 - 0855	Every 12 minutes	
0801 - 0900	Every 10 minutes		0856 - 0955	Every 10 minutes	
0901 - 1730	Every 7-8 minutes (8 buses per hour)		0956 - 1910	Every 7-8 minutes (8 buses per hour)	
1731 - 1830	Every 10 minutes		1911 - 2000	Every 10 minutes	
1831 - 2335	Every 12 minutes		2001 - 0030	Every 12 minutes	
Last departure no earlier than 2330.			Last departure no earlier than 0025.		
Pinchpoints					
Highbury & Islington Station	0935 - 1135	8 minutes	Highgate Station, Woodman	0940 - 1050	10 minutes
				1051 - 1130	8 minutes

2.3) SUNDAY AND PUBLIC HOLIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Friern Barnet Library to London Bridge Station		London Bridge Station to Friern Barnet Library			
First departure no later than 0430.		First departure no later than 0525.			
0425 - 0630	Every 20 minutes	0520 - 0725	Every 20 minutes		
0631 - 0800	Every 15 minutes	0726 - 0855	Every 15 minutes		
0801 - 0845	Every 12 minutes	0856 - 0955	Every 12 minutes		
0846 - 1825	Every 10 minutes	0956 - 1945	Every 10 minutes		
1826 - 2335	Every 12 minutes	1946 - 0030	Every 12 minutes		
Last departure no earlier than 2330.		Last departure no earlier than 0025.			
Pinchpoints					
Highbury & Islington Station	1000 - 1130	10 minutes	Highgate Station, Woodman	1035 - 1205	10 minutes

2.4) BOXING DAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Friern Barnet Library to London Bridge Station		London Bridge Station to Friern Barnet Library			
First departure no later than 0730.		First departure no later than 0825.			
0725 - 0800	Every 15 minutes	0820 - 0855	Every 15 minutes		
0801 - 0845	Every 12 minutes	0856 - 0955	Every 12 minutes		
0846 - 1825	Every 10 minutes	0956 - 1945	Every 10 minutes		
1826 - 2335	Every 12 minutes	1946 - 0030	Every 12 minutes		
Last departure no earlier than 2330.		Last departure no earlier than 0025.			
Pinchpoints					
Highbury & Islington Station	0930 - 1230	10 minutes	Highgate Station, Woodman	1030 - 1130	10 minutes

2.4) SUNDAY NIGHTS/MONDAY MORNINGS TO THURSDAY NIGHTS/FRIDAY MORNINGS

Friern Barnet Library to London Bridge Station		London Bridge Station to Friern Barnet Library	
First departure no later than 2400.		First departure no later than 0055.	
2355 - 0405	Every 30 minutes	0050 - 0500	Every 30 minutes
Last departure no earlier than 0400.		Last departure no earlier than 0455.	

2.5) FRIDAY NIGHTS/SATURDAYS MORNINGS TO SATURDAYS NIGHTS/SUNDAYS MORNINGS

Friern Barnet Library to London Bridge Station		London Bridge Station to Friern Barnet Library	
First departure no later than 2350.		First departure no later than 0045.	
2345 - 0415	Every 20 minutes	0040 - 0510	Every 20 minutes
Last departure no earlier than 0410.		Last departure no earlier than 0505.	

Tenderers must identify the cost of the Nightly element of this service separately.

3) QSI POINTS & MILEAGE

It is intended Route No. 43 will have 128 surveys per quarter at the following locations:

QSI POINTS	
Towards London Bridge Station	Towards Friern Barnet Library
Friern Barnet	London Bridge
Muswell Hill	Finsbury Square
Holloway Nags Head	Islington Angel
Islington Angel	Muswell Hill
MILEAGE: See Attached iBus Sheets	

\$ This location observed simultaneously in both directions - counted as two surveys.

It is unlikely that the minimum number of QSI surveys for Threshold measurement will be conducted on Route No. N43 at present. However, this may change at a later date when a Threshold figure may be published.

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 43 & N43 can suffer unpredictable traffic delays in the Holloway Road and City of London area.
- 4.2) Route No. 43 should be separated from Route No. 271 between Archway Station and Highbury & Islington Station
- 4.3) Football matches and events at Emirates Stadium can also cause traffic congestion in the Holloway Road area.
- 4.4) The first stage of construction works at London Bridge Station bus station will commence on 3rd September 2011 and is expected to last for 7 months (until April 2012). Route Nos. 43 & N43 will stand at Nebraska Street for the duration of the works and the stops within the station will be withdrawn. The set down will be stop Y, on the south side of London Bridge and pick up will be stop M, on the south side of London Bridge.
- 4.5) Signalling enhancements on the London Underground Northern Line are due to be completed in 2012. The effect of these changes on loadings will be monitored.
- 4.6) Crossrail will connect the City, Canary Wharf, the West End and Heathrow Airport to commuter areas east and west of the capital. Major construction of the railway began in 2010, with services expected to commence in 2018. The construction impacts of Crossrail could affect Route No. 43 & N43 and it is anticipated that some passenger demand for Route No. 43 & N43 would shift to this line when it opens. Route No. 43 & N43 will be reviewed closer to the opening date.

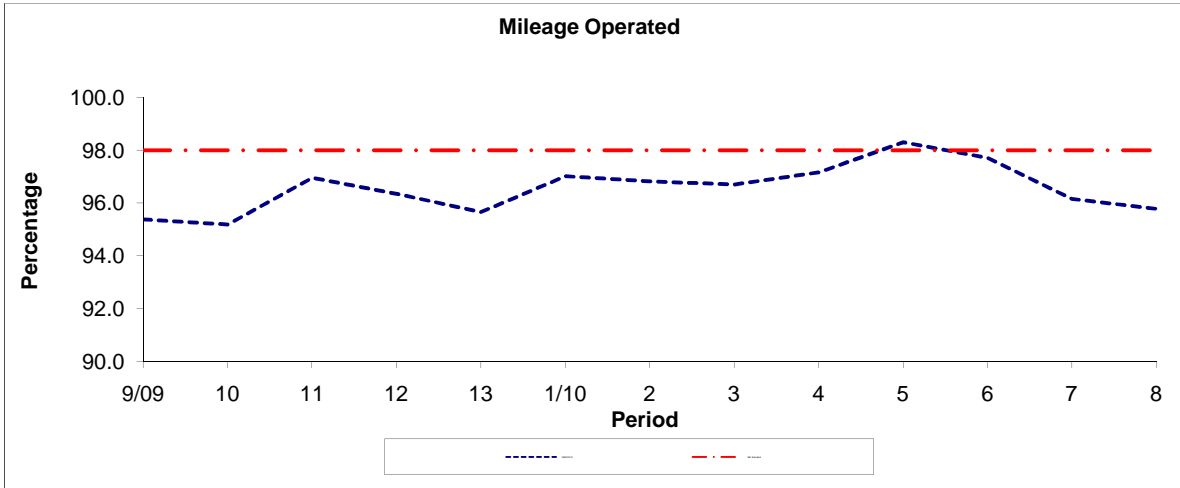
- 4.7) Crossrail works at Liverpool Street Station and Moorgate have started and will be ongoing. Long term diversions, as a result of the disruption from the works, may be expected.
- 4.8) The 2012 Olympic Games open on Friday 27th July and close on Sunday 12th August. The 2012 Paralympic Games start on Wednesday 29th August and close on Sunday 9th September. The Games will result in additional passenger demand across the network, requiring additional capacity on some routes. There will also be a number of road closures in the event areas resulting in route diversions. Operators should be aware there will be implications to them during this time. Full details and any extra resource required will be negotiated with the operator at a later date.

5) CURRENT PERFORMANCE, ROUTE RECORD & IBUS MILEAGE

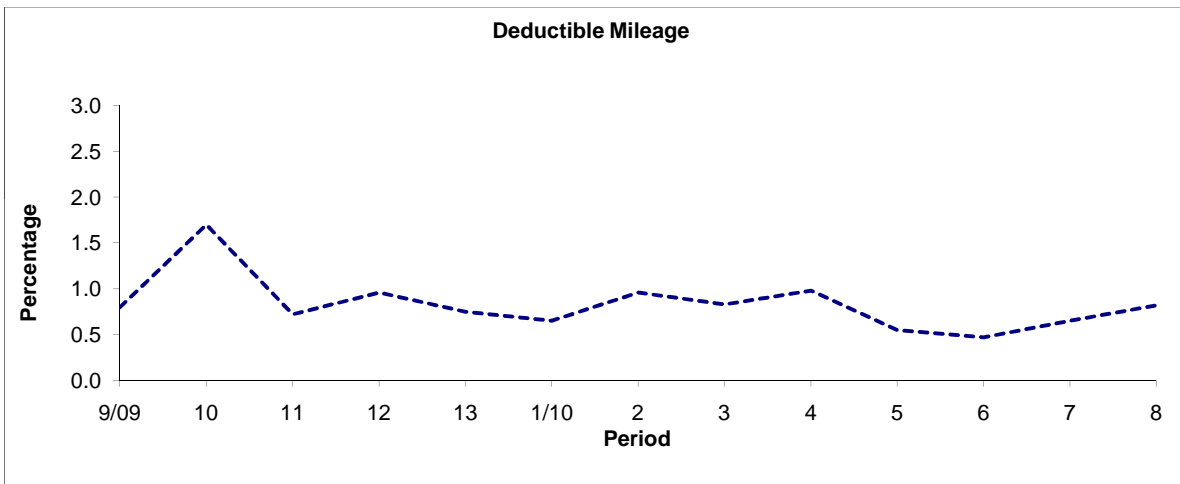
- 5.1) CURRENT PERFORMANCE
As per current print out.
- 5.2) ROUTE RECORD
As per Busnet Printout.
- 5.3) IBUS MILEAGE
As per current print out.

PART B - PERFORMANCE STATISTICS

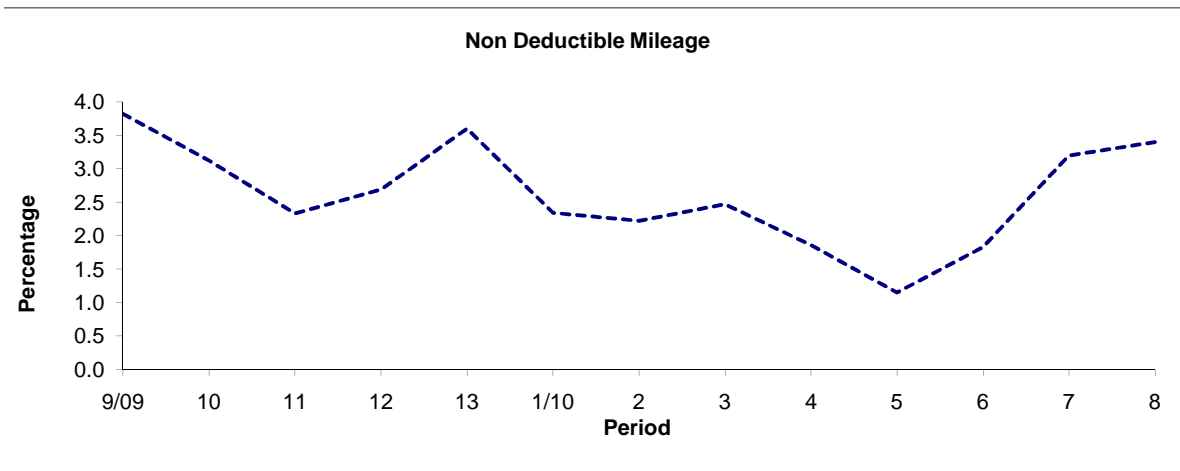
Route 43



Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	95.38	95.18	96.95	96.35	95.65	97.01	96.82	96.70	97.16	98.30	97.70	96.15	95.78
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00



Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	0.80	1.70	0.72	0.96	0.75	0.65	0.96	0.83	0.98	0.55	0.47	0.65	0.82

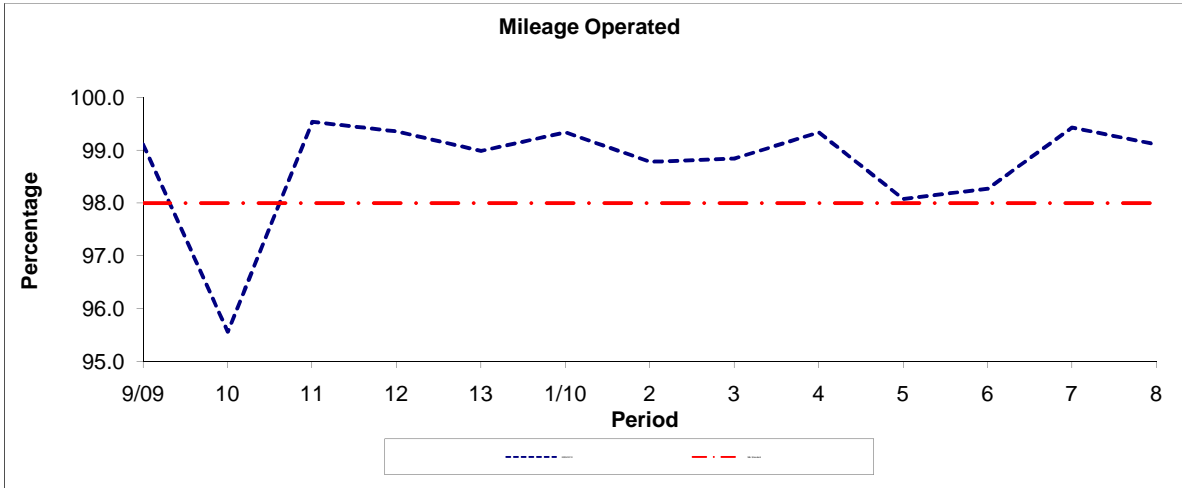


Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	3.82	3.12	2.33	2.69	3.60	2.34	2.22	2.47	1.86	1.15	1.83	3.20	3.40

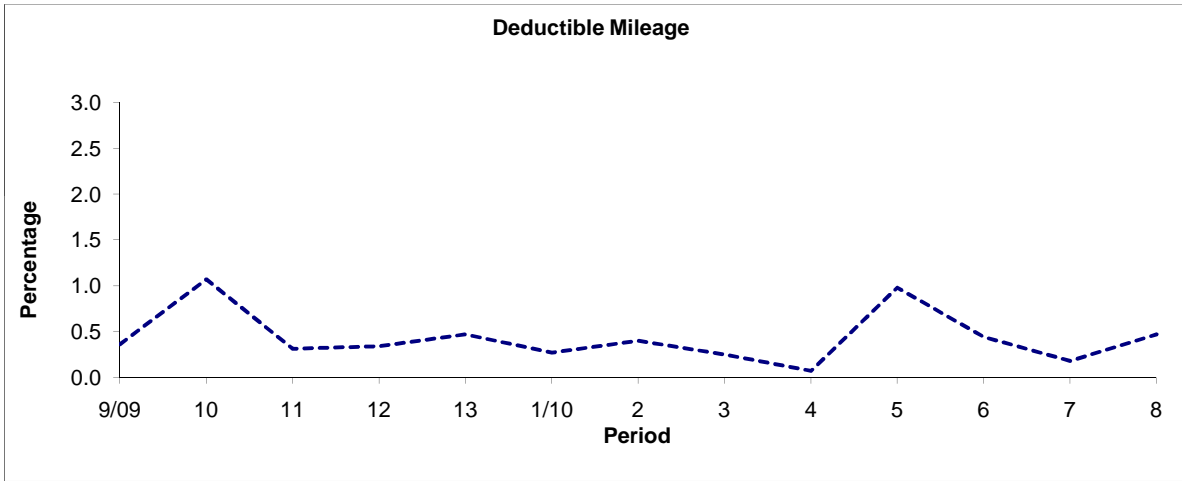
Note : Mileage is based on 4 weeks data

PART B - PERFORMANCE STATISTICS

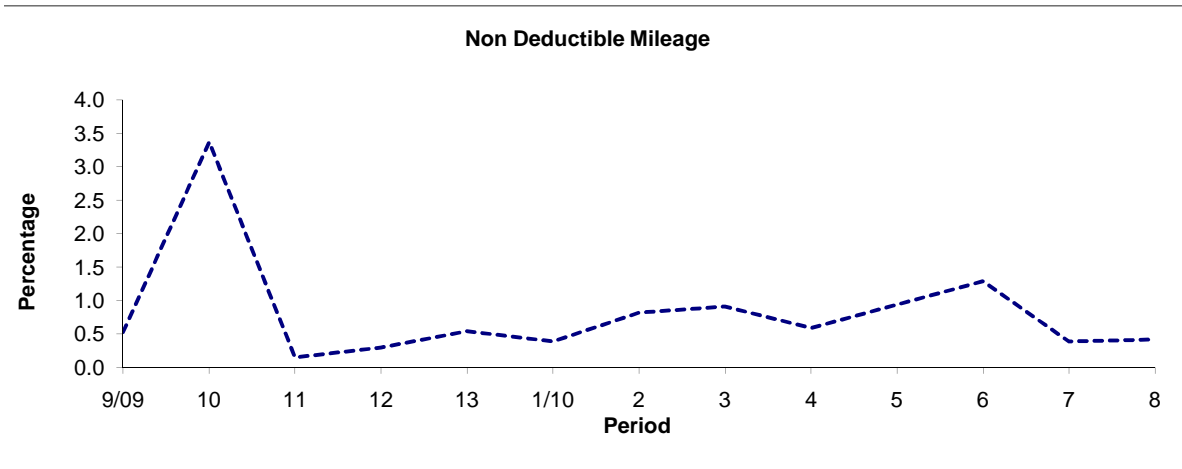
Route N43



Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	99.11	95.56	99.54	99.36	98.99	99.34	98.78	98.84	99.34	98.08	98.27	99.43	99.11
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00



Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	0.36	1.07	0.31	0.34	0.47	0.27	0.40	0.25	0.07	0.98	0.44	0.18	0.47

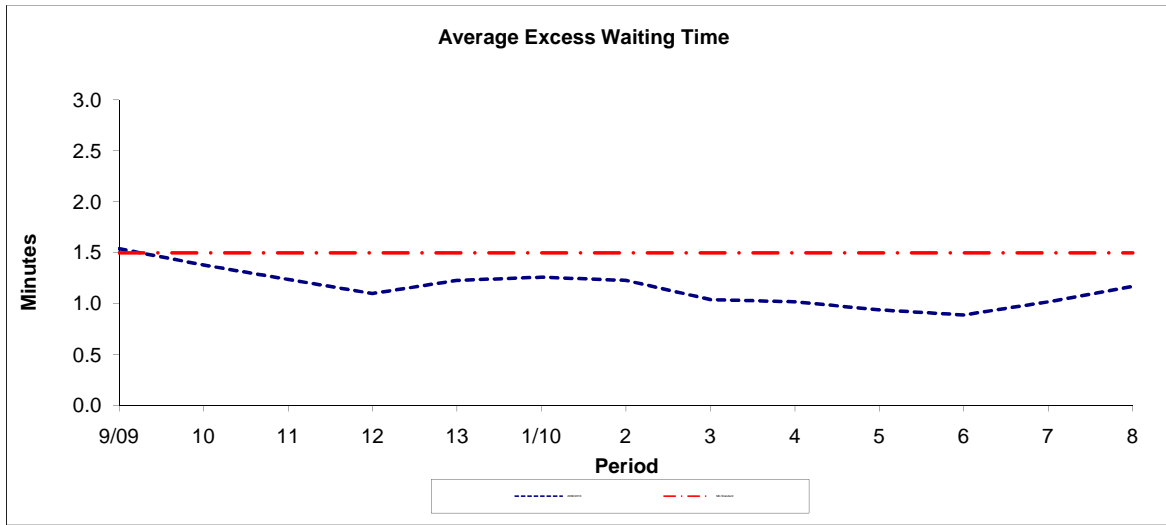


Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	0.53	3.37	0.15	0.30	0.54	0.39	0.82	0.91	0.59	0.94	1.29	0.39	0.42

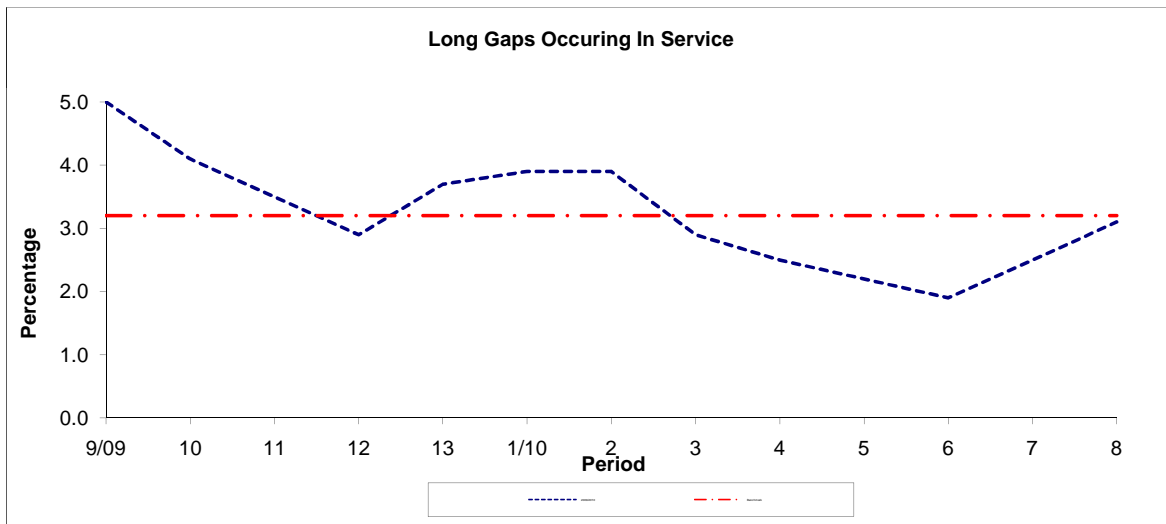
Note : Mileage is based on 4 weeks data

PART B - PERFORMANCE STATISTICS

Route 43



Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	1.54	1.38	1.24	1.10	1.23	1.26	1.23	1.04	1.02	0.94	0.89	1.02	1.17
Min Standard	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

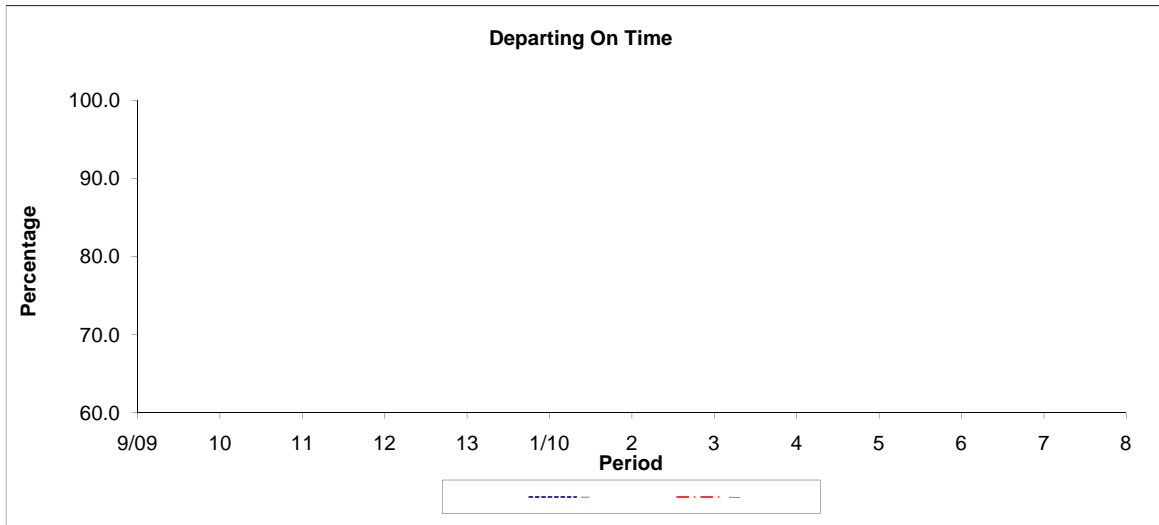


Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010	5.00	4.10	3.50	2.90	3.70	3.90	3.90	2.90	2.50	2.20	1.90	2.50	3.10
Benchmark	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20

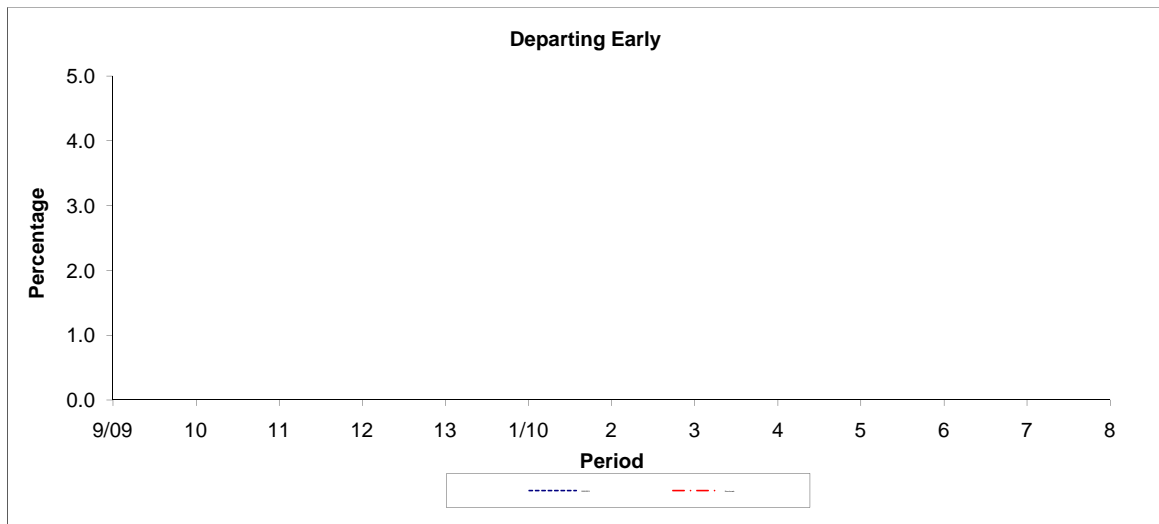
Note : Reliability is based on 12 weeks rolling data

PART B - PERFORMANCE STATISTICS

Route N43



Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010													
Min Standard													



Period	9/09	10	11	12	13	1/10	2	3	4	5	6	7	8
2009/2010													
Benchmark													

Note : Reliability is based on 12 weeks rolling data
No data

LONDON BUSES - ROUTE DESCRIPTION

ROUTE 43: Friern Barnet, Library - London Bridge Station (24 hour service)

Date of Structural Change: 4 February 2012.

Date of Service Change: 4 February 2012.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards London Bridge Station: Slip Road, Friern Barnet Road, Colney Hatch Lane, Muswell Hill Broadway (North And South Arms), Muswell Hill Road, Archway Road, St John's Way, Sandridge Street, Holloway Road, Highbury Corner, Upper Street, Islington High Street, City Road, Old Street Roundabout, City Road, Finsbury Square (West Side), Finsbury Pavement, Moorgate, Princes Street, King William Street, London Bridge.

Towards Friern Barnet, Library: Borough High Street, King William Street, Princes Street, Moorgate, Finsbury Pavement, Finsbury Square (West Side), City Road, Old Street Roundabout, City Road, City Road Bus Lane Slip Road, City Road, Islington High Street, Upper Street, Highbury Corner, Holloway Road, Highgate Hill, Tollhouse Way, Archway Road, Muswell Hill Road, Muswell Hill Broadway (North and South Arms), Colney Hatch Lane, Friern Barnet Road, Slip Road.

STANDING AND TURNING POINTS

FRIERN BARNET, LIBRARY, FRIERN BARNET ROAD

Private stand for three buses in slip road in housing development on south side of Friern Barnet Road adjacent to Shapwick Close, opposite Friern Barnet Library.

Buses proceed from Slip Road direct to stand, departing to Slip Road. Set down in Slip Road, at Stop FA and pick up in Slip Road, at Stop FA.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 3 buses on Route 43 should be scheduled to stand at any one time.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
DISPLAY:	Friern Barnet.
OTHER INFORMATION:	Toilet facilities available - 24 hours.

MUSWELL HILL BROADWAY

From Friern Barnet, Library.

Buses proceed from Muswell Hill Broadway departing to Muswell Hill Broadway. Set down in Muswell Hill Broadway, at Stop B and pick up in Muswell Hill Broadway, at Stop A.

From London Bridge Station.

Buses proceed from Muswell Hill Broadway departing to Muswell Hill Broadway. Set down in Muswell Hill Broadway, at Stop F and pick up in Muswell Hill Broadway, at Stop E.

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**
DISPLAY: Muswell Hill.

MUSWELL HILL BROADWAY

Public stand for two buses on east side of Alexandra Palace Way, opposite Buckingham Lodge commencing 41 metres north of the centre of Priory Road and extending 19 metres north.

From Friern Barnet, Library.

Buses proceed from Muswell Hill Broadway via Muswell Hill and Alexandra Palace Way to stand, departing via Alexandra Palace Way and Muswell Hill to Muswell Hill Broadway. Set down in Muswell Hill Broadway, at Stop B and pick up in Muswell Hill Broadway, at Stop A.

From London Bridge Station.

Buses proceed from Muswell Hill Broadway via Muswell Hill and Alexandra Palace Way to stand, departing via Alexandra Palace Way and Muswell Hill to Muswell Hill Broadway. Set down in Muswell Hill Broadway, at Stop F and pick up in Muswell Hill Broadway, at Stop E.

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
MEAL RELIEFS: No meal relief vehicles to stand at any time.
FERRY VEHICLES: No ferry vehicles to park on stand at any time.
DISPLAY: Muswell Hill.

ARCHWAY STATION, MACDONALD ROAD

Private stand for up to 16 buses in Bus Parking Area between east side of MacDonald Road and north side of Vorley Road.

From Friern Barnet, Library.

Buses proceed from St John's Way via Highgate Hill, Macdonald Road and Bus Parking Area to stand, departing via Bus Parking Area, Vorley Road and Junction Road to Highgate Hill. Set down in Macdonald Road, at Alighting Point and pick up in Highgate Hill, at Stop D.

From London Bridge Station.

Buses proceed from Highgate Hill via Macdonald Road and Bus Parking Area to stand, departing via Bus Parking Area, Vorley Road, Junction Road, Highgate Hill, Tollhouse Way, Archway Road and St John's Way to Sandridge Street. Set down in Highgate Hill, at Stop D and pick up in Sandridge Street, at Stop R.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
DISPLAY:	Archway.

HOLLOWAY, CAMDEN ROAD

Public stand for six buses on south side of Camden Road commencing 14 metres east of 29 Staveley Close extending 65 metres east.

From Friern Barnet, Library.

Buses proceed from Holloway Road via Camden Road to stand, departing via Camden Road and Parkhurst Road to Holloway Road. Set down in Holloway Road, at Stop M and pick up in Holloway Road, at Stop F.

From London Bridge Station.

Buses proceed from Holloway Road via Camden Road to stand, departing via Camden Road and Parkhurst Road to Holloway Road. Set down in Holloway Road, at Stop T and pick up in Holloway Road, at Stop M.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
DISPLAY:	Holloway, Nag's Head.

HIGHBURY & ISLINGTON STATION

Public stand for two buses on east side of Highbury Corner commencing 37 metres south of the southern kerb line of St Paul's Road and extending 22 metres north.

From Friern Barnet, Library.

Buses proceed from Holloway Road via Highbury Corner to stand, departing via Highbury Corner to Holloway Road. Set down in Holloway Road, at Stop B and pick up in Holloway Road, at Stop A.

From London Bridge Station.

Buses proceed from Upper Street via Highbury Corner to stand, departing via Highbury Corner to Upper Street. Set down in Upper Street, at Stop F and pick up in Upper Street, at Stop G.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
DISPLAY:	Highbury & Islington.

ISLINGTON, ANGEL (GOSWELL ROAD) (from Friern Barnet, Library)

Public stand on north west side of Goswell Road in two portions:

1 - for three buses, commencing opposite the part wall of no.332 and extending 30 metres north west.

2 - for two buses, commencing opposite no.356 and extending 21 metres north west.
Buses proceed from City Road via Wakley Street and Goswell Road to stand, departing via Goswell Road to City Road Bus Lane Slip Road. Set down in City Road, at Stop H and pick up in City Road Bus Lane Slip Road, at Stop J.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
DISPLAY:	Islington Angel.

OLD STREET STATION

From Friern Barnet, Library.

Buses proceed from City Road via Old Street Roundabout departing to City Road. Set down in City Road, at Stop C and pick up in City Road, at Stop E.

From London Bridge Station.

Buses proceed from City Road via Old Street Roundabout departing to City Road. Set down in City Road, at Stop N and pick up in City Road, at Stop M.

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**
DISPLAY: Old Street Station.

MOORGATE, FINSBURY SQUARE, EAST SIDE (from Friern Barnet, Library)

Public stand for three buses on east side of Finsbury Square, commencing 75 metres south of Christopher Street and extending 30 metres north. Buses must not obstruct the entrance to Finsbury Square House.

Buses proceed from City Road via Finsbury Square (North Side) and Finsbury Square (East Side) to stand, departing via Finsbury Square (East Side) and Finsbury Square (South Side) to Finsbury Square (West Side). Set down in City Road, at Stop E and pick up in Finsbury Square (west Side), at Stop C.

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only.
MEAL RELIEFS: No meal relief vehicles to stand at any time.
FERRY VEHICLES: No ferry vehicles to park on stand at any time.
DISPLAY: Moorgate, Finsbury Square.

BOROUGH STATION, NEBRASKA STREET

Public off side stand for two buses on north side of Nebraska Street commencing 11 metres east of Great Dover Street kerb line, extending 29 metres east.

Buses proceed from London Bridge via Borough High Street, Great Dover Street, Silvester Street, Tabard Street and Nebraska Street to stand, departing via Nebraska Street, Great Dover Street and Borough High Street to London Bridge. Set down in London Bridge, at Stop Y and pick up in London Bridge, at Stop M.

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 2 buses on Route 43 should be scheduled to stand at any one time.
MEAL RELIEFS: No meal relief vehicles to stand at any time.
FERRY VEHICLES: No ferry vehicles to park on stand at any time.
DISPLAY: London Bridge.
OTHER INFORMATION: Toilet facilities available at Borough Station.

Transport for London - Live Mileage List

Route 43
 Service change 22940
 Date 29 September 2009

OUT DIRECTION					
Timing Point	Code	Stop Number	Stop Name	Metres	Miles
	FBARLB S	FBARLB S	Friern Barnet, Library, Friern Barnet Road		
	FBARLB	BP3120	Halliwick Park	0	0.00
		9947	St John's Church	82	0.05
		BP3077	Friern Barnet Town Hall	242	0.15
		19610	Friern Barnet Road	185	0.11
		20146	Hillside Avenue	196	0.12
	CHLNTS	19541	North Circular Road	485	0.30
		7520	Cromwell Road	315	0.20
		19607	Pembroke Road / St Peters Church	314	0.20
		1307	Wilton Road	311	0.19
		BP083	Alexandra Park Road	458	0.28
		1145	Muswell Hill	541	0.34
	MHILBYS	1148	Queens Avenue	194	0.12
		19605	Fortis Green Road	297	0.18
		9443	Cranley Gardens	199	0.12
		BP2597	Cranley Gardens	168	0.10
		19604	Onslow Gardens	249	0.15
		BP3116	Highgate Wood	263	0.16
		1143	Wood Lane / Highgate Station	311	0.19
	HIGHSN	9431	Highgate Station	203	0.13
		10860	Southwood Avenue	282	0.18
		1909	Northwood Road	277	0.17
		9863	Langdon Park Road	234	0.15
		9861	Waterlow Road	370	0.23
		528	Whittington Hospital	203	0.13
	ARCHHR	BP2478	Archway Station / Holloway Road	222	0.14
	HOLLPGS	9857	Upper Holloway Station	347	0.22
		9853	Alexander Road	430	0.27
		9849	Manor Gardens	266	0.17
		R0055	Seven Sisters Road / Parkhurst Road	247	0.15
	HOLLHR	26431	Holloway Nags Head	148	0.09
		797	Tollington Road	253	0.16
		10010	Holloway Road Station	463	0.29
		1083	Liverpool Road	160	0.10
		10004	St. Mary Magdalene Church	381	0.24
	HYISSN	10003	Highbury & Islington Station	294	0.18
		80001	Upper Street / Laycock Street	395	0.25
		33092	Islington Town Hall	232	0.14
		29748	St Mary's Church	432	0.27
		9995	Islington Green	264	0.16
	ISLNHS	36601	Angel Station	340	0.21
		363	Angel Islington / City Road	287	0.18
		8369	Central Street	411	0.26
		8371	Windsor Terrace	441	0.27
		8375	Moorfields Eye Hospital	188	0.12
	OLSTSN	33263	Old Street Station	210	0.13
		187	City Road / Leonard Street	378	0.23
		2460	Epworth Street	175	0.11
	FINSSQ	2462	Finsbury Square	284	0.18
		R0089	Moorgate Station	268	0.17
		2466	Great Swan Alley	228	0.14
	BANKSNP	BP933	Bank Station / Princes Street	225	0.14
		14691	King William Street / Monument Station	314	0.20
		BP140	Monument Station	246	0.15
	LONBSNC	35427	London Bridge Bus Station	580	0.36
		LONBSNCS	London Bridge Bus Station, Stand C	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION				15488	9.62
				metres	miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
LONBSNCS	LONBSNCS	London Bridge Bus Station, Stand C		
LONBSNC	35427	London Bridge Bus Station	0	0.00
	978	London Bridge	299	0.19
	2123	Monument Station	324	0.20
	27954	Bank Station / King William Street	330	0.21
BANKSNP	2468	Bank Station / Princes Street	254	0.16
	2467	London Wall	280	0.17
	1160	Moorgate Station	223	0.14
FINSSQ	20726	Finsbury Square	270	0.17
	29071	Old Street Station	330	0.21
OLSTSN	188	Old Street Roundabout	310	0.19
	29930	Moorfields Eye Hospital	250	0.16
	8372	Windsor Terrace	218	0.14
	8368	Central Street	456	0.28
	BP1079	Angel Islington	445	0.28
ISLNHS	25146	Angel Station	357	0.22
	9996	Theberton Street	341	0.21
	29792	St.Marys Church	249	0.15
	26500	Islington Town Hall	318	0.20
	10002	Highbury Corner	341	0.21
HYISSN	29772	Highbury & Islington Station	198	0.12
	10005	St. Mary Magdalene Church	337	0.21
	1084	Liverpool Road	287	0.18
	10011	Holloway Road Station	315	0.20
	796	Camden Road	353	0.22
HOLLHR	314	Nags Head, Holloway	186	0.12
	9850	Tufnell Park Road	336	0.21
	9852	Manor Gardens	248	0.15
	11328	Wedmore Street	297	0.18
HOLLPGN	9858	Upper Holloway Station	314	0.20
	BP2307	Elthorne Road	150	0.09
ARCHHH	36803	Archway Station / Highgate Hill	254	0.16
	33982	Archway Road / Tollhouse Road	195	0.12
	9862	Waterlow Road	190	0.12
	9864	Langdon Park Road	441	0.27
	1908	Northwood Road	276	0.17
HIGHSN	9432	Highgate Station	389	0.24
	1142	Wood Lane / Highgate Station	270	0.17
	BP3230	Highgate Wood	335	0.21
	19603	Onslow Gardens	302	0.19
	9444	Cranley Gardens	256	0.16
	15599	Fortis Green Road	326	0.20
MHILBYS	1147	Muswell Hill	267	0.17
	1146	Queens Avenue	136	0.08
	80010	Meadow Drive	278	0.17
	1910	Alexandra Park Road	255	0.16
	1306	Wilton Road	362	0.22
	19606	Pembroke Road / St Peter's Church	347	0.22
	7521	Hampden Road	211	0.13
CHLNTS	19608	North Circular Road	468	0.29
	29919	Firs Avenue	180	0.11
	20145	Hillside Avenue	377	0.23
	BP4294	Friern Barnet Town Hall	316	0.20
	8285	St John's Church	125	0.08
FBARLB	BP3120	Halliwick Park	272	0.17
	FBARLB S	Friern Barnet, Library, Friern Barnet Road	0	0.00
TOTAL ROUTE MILEAGE - BACK DIRECTION			15444	9.60
			metres	miles