

7. Service Specification

Route: 453 & N453

Contract Reference: QC62203

This Service Specification forms section 7 of the ITT and should be read in conjunction with the ITT document, Version 1 dated 29 September 2011.

You are formally invited to tender for the provision of the bus service detailed below and in accordance with this Service Specification. Tenderers must ensure that a Compliant Tender is submitted and this will only be considered for evaluation if all parts of the Tender documents, as set out in section 11, have been received by the Corporation by the Date of Tender. The Tender must be fully completed in the required format, in accordance with the Instructions to Tenderers. A Compliant Tender must comply fully with the requirements of the Framework Agreement; adhere to the requirements of the Service Specification; and reflect the price of operating the Services with new vehicles or unless otherwise specified..

Route Number	453 & N453
Terminus Points	Deptford Bridge Station and Marylebone Station, Great Central Street
Contract Basis	Incentivised
Commencement Date	17 th November 2018
Vehicle Type - Option 1	Existing New Routemasters (NRM) (See attached letter)
Vehicle Type - Option 2	New 87 capacity, dual door, double deck diesel-electric hybrid vehicles
Current Maximum Approved Dimensions	11.3 metres long and 2.55 metres wide
New Vehicles Mandatory	See letter
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights - Option 1	Operator (External), LBSL (Internal)
Advertising Rights - Option 2	Operator
Minimum Performance Standard - Route No. 453	Average Excess Wait Time - No more than 1.20 minutes
Extension Threshold - Route No. 453	Average Excess Wait Time Threshold - 1.10 minutes
Minimum Operated Mileage Standard - Route No. 453	No less than 98%
Departing On Time - Route No. N453	Departing on Time - No less than 82%
Minimum Operated Mileage Standard - Route No. N453	No less than 99%

The Date of Tender for this ITT is: No later than 12 Noon on Monday 13th November 2017.

Tenderers should refer to section 3 of Part A for the Service Specification Explanatory Notes and Appendix B of section 5 for the Example Service Specification of the ITT document.

SERVICE SPECIFICATION

- 1) SERVICE SPEC - ROUTE SPECIFICATION INFORMATION
- 2) NOTES
- 3) SCHEDULE REQUIREMENTS & PINCHPOINTS
- 4) OPERATIONAL CONSIDERATIONS
- 5) ROUTE RECORD, CURRENT PERFORMANCE, QSI BY TIME OF DAY, IBUS MILEAGE & QSI POINTS

2) 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 Nos. 453 & N453.

- Weeknight frequencies are reduced from every 20 minutes to every 30 minutes.
- Weekend night frequencies are reduced from every 12 minutes to every 15 minutes.

Tenderers should note that the following alterations (subject to consultation) are proposed as part of this Service Specification for introduction with the new Route Agreement:

Two vehicles options are specified as follows:

Option 1

- Existing New Routemasters (NRM) are specified (see attached letter).

Option 2

- New 87 capacity, dual door, double deck diesel-electric hybrid vehicles are specified.
- The designation Route No. N453 is used for contractual purposes only. This service will be marketed as Route No. 453. This includes all publicity, including destination blind displays.
- **Tenderers must identify the cost of the Nightly element of this service separately.**

The Mayor and Transport for London (TfL) have developed a proposal for an Ultra Low Emission Zone (ULEZ) in Central London.

The ULEZ is planned to take effect during the life of this contract and will apply 24 hours a day, 7 days a week. All double deck buses operating for TfL within the zone will be required to be hybrid (to Euro VI or better emissions standard).

Operators should provide the following prices:

- 1. Annual diesel-electric hybrid price - based on minimum 5 year contract.**
- 2. Annual Existing NRM price.**

2) NOTES - continued

Tenderers are encouraged to offer alternative vehicle options in accordance with Part 9 of their tender, including but not limited to:

- 1. New two door, single staircase vehicles inspired by the New Routemaster in respect of both their external and internal design, to the appropriate specification agreed between TfL and the manufacturers.**
- 2. Vehicles that offer genuine increased capacity on two axles and are certified as such.**
- 3. Modifications to reduce emissions and fuel consumption (including energy storage, engine stop/start, extended zero-emission range and/or energy efficient components)**
- 4. Existing vehicles. Separate costs must be provided both excluding and including the cost of upgrading to Euro VI standards. The inclusive costs should be on a per bus per annum basis.**

Full iBus Monitoring was introduced on all night routes with effect from 1 April 2014.

Tenderers are therefore advised that on contracts where there is a night service both the day and night elements will be incentivised from the commencement of the Route Agreement in accordance with clause 46 of Annex B Terms and Conditions, using the Minimum Performance Standard(s) specified in Part 1 of the ITT.

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Deptford Bridge Station to Marylebone Station, Great Central Street			Marylebone Station, Great Central Street to Deptford Bridge Station		
First departure no later than 0415.			First departure no later than 0515.		
0410 - 0500	Every 12 minutes		0510 - 0600	Every 12 minutes	
0501 - 0530	Every 10 minutes		0601 - 0630	Every 10 minutes	
0531 - 0600	Every 7-8 minutes (8 buses per hour)		0631 - 0700	Every 7-8 minutes (8 buses per hour)	
0601 - 0750	Every 5 minutes		0701 - 0900	Every 5 minutes	
0751 - 0850	Every 4 minutes		0901 - 1550	Every 7-8 minutes (8 buses per hour)	
0851 - 0920	Every 5 minutes		1551 - 2035	Every 5 minutes	
0921 - 1535	Every 7-8 minutes (8 buses per hour)		2036 - 2105	Every 7-8 minutes (8 buses per hour)	
1536 - 1910	Every 5 minutes		2106 - 2400	Every 10 minutes	
1911 - 1945	Every 7-8 minutes (8 buses per hour)				
1946 - 2400	Every 10 minutes				
Last departure no earlier than 2355.			Last departure no earlier than 2355.		
Pinchpoints					
Piccadilly Circus, Regent Street	0700 - 0850	5 minutes	Old Kent Road, Tesco	0715 - 0745	8 minutes
	0851 - 0950	4 minutes		0746 - 0905	5 minutes
	1455 - 1625	8 minutes		1500 - 1630	8 minutes

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Deptford Bridge Station to Marylebone Station, Great Central Street			Marylebone Station, Great Central Street to Deptford Bridge Station		
First departure no later than 0415.			First departure no later than 0515.		
0410 - 0500	Every 12 minutes		0510 - 0600	Every 12 minutes	
0501 - 0650	Every 10 minutes		0601 - 0740	Every 10 minutes	
0651 - 1845	Every 7-8 minutes (8 buses per hour)		0741 - 2025	Every 7-8 minutes (8 buses per hour)	
1846 - 2400	Every 10 minutes		2026 - 2400	Every 10 minutes	
Last departure no earlier than 2355.			Last departure no earlier than 2355.		
Pinchpoints					
Piccadilly Circus, Regent Street	0900 - 1100	8 minutes	Old Kent Road, Tesco	0905 - 1105	8 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

3.3) SUNDAY AND PUBLIC HOLIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Deptford Bridge Station to Marylebone Station, Great Central Street			Marylebone Station, Great Central Street to Deptford Bridge Station		
First departure no later than 0415.			First departure no later than 0515.		
0410 - 0640	Every 12 minutes		0510 - 0740	Every 12 minutes	
0641 - 2400	Every 10 minutes		0741 - 2400	Every 10 minutes	
Last departure no earlier than 2355.			Last departure no earlier than 2355.		
Pinchpoints					
Piccadilly Circus, Regent Street	1000 - 1130	10 minutes	Old Kent Road, Tesco	1000 - 1130	10 minutes

Tenderers must identify the cost of the Boxing Day element of this service separately.

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

Deptford Bridge Station to Marylebone Station, Great Central Street		Marylebone Station, Great Central Street to Deptford Bridge Station	
First departure no later than 0005.		First departure no later than 0005.	
2400 - 0410	Every 30 minutes	2400 - 0510	Every 30 minutes
Last departure no earlier than 0405.		Last departure no earlier than 0505.	

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

3.5) FRIDAY NIGHTS/SATURDAY MORNINGS TO SATURDAY NIGHTS/SUNDAY MORNINGS

Deptford Bridge Station to Marylebone Station, Great Central Street		Marylebone Station, Great Central Street to Deptford Bridge Station	
First departure no later than 0005.		First departure no later than 0005.	
2400 - 0410	Every 15 minutes	2400 - 0510	Every 15 minutes
Last departure no earlier than 0405.		Last departure no earlier than 0505.	

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 453 should interwork with Route No. N453 to form a seamless 24 hour service.
- 4.2) Route No. 453 should interwork with Route No. 53 between Deptford Bridge Station and Westminster, Parliament Street during Mondays to Fridays interpeak and Saturdays and Sundays daytimes.
- 4.3) Route No. N453 should interwork with Route No. N53 between Deptford Bridge Station and Westminster, Parliament Street during all nights.
- 4.4) Route Nos. 453 & N453 can suffer from unpredictable traffic delays in the New Cross, Elephant & Castle and Central London areas.
- 4.5) The Mayor has pledged to pedestrianise Oxford Street by 2020. All traffic including buses and taxis would be banned as part of the mayor's plans to tackle air pollution. The pedestrianisation would take place in two stages to minimise disruption with the first phase of construction on the eastern section from Oxford Circus onwards. This will affect the routing of Route Nos. 453 & N453 and bus services in the area. Any further proposed changes will be discussed with the successful tenderer.
- 4.6) The Elizabeth line is expected to open in December 2018 and 3 separate services will operate from Paddington to Abbey Wood/Heathrow and from Liverpool Street to Shenfield. The full Elizabeth line service will operate from Reading and Heathrow to Shenfield and Abbey Wood and is expected to commence in late 2019. The construction impacts of the Elizabeth line could affect Route Nos. 453 & N453. There is potential for a change in passenger demand once the line becomes fully operational. A review, post opening of the Elizabeth line, will be undertaken if required.

5) ROUTE RECORD, CURRENT PERFORMANCE, QSI BY TIME OF DAY, IBUS MILEAGE & QSI POINTS

- 5.1) ROUTE RECORD
As per Busnet printout.
- 5.2) CURRENT PERFORMANCE
As per current print out.
- 5.3) QSI BY TIME OF DAY
As per current print out.
- 5.4) IBUS MILEAGE & QSI POINTS
As per current print out.

LONDON BUSES - ROUTE DESCRIPTION

ROUTE 453: Deptford Broadway - Marylebone Station (24 hour service)

Date of Structural Change: 17 November 2018.

Date of Service Change: 17 November 2018.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Marylebone Station: Deptford Bridge, Deptford Broadway, New Cross Road, Amersham Road, Parkfield Road, Lewisham Way, New Cross Road, Old Kent Road, Bricklayer's Arms, New Kent Road, Elephant And Castle, St George's Road, Westminster Bridge Road, Westminster Bridge, Bridge Street, Bus-Only Right Turn, Parliament Street, Whitehall, Charing Cross, Cockspur Street, Pall Mall, Waterloo Place, Regent Street, Regent Street St.James, Regent Street, Piccadilly Circus, Regent Street, Langham Place, Portland Place, Devonshire Street, Great Portland Street, Marylebone Road, Balcombe Street, Melcombe Place, Great Central Street.

Towards Deptford Broadway: Great Central Street, Marylebone Road, Albany Street, Osnaburgh Terrace, Osnaburgh Street, Great Portland Street, New Cavendish Street, Portland Place, Langham Place, Regent Street, Piccadilly Circus, Haymarket, Cockspur Street, Trafalgar Square (South Side), Charing Cross, Whitehall, Parliament Street, Bridge Street, Westminster Bridge, Westminster Bridge Road, St George's Circus, London Road, Elephant And Castle, New Kent Road, Bricklayer's Arms Roundabout, Old Kent Road, New Cross Road, Deptford Broadway, Deptford Bridge.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

Please note that only stands, curtailment points, & blind descriptions as detailed in this contractual document may be used.

Deptford Bridge Station

Private stand for three buses in bays in Bus Parking Area on south side of Deptford Bridge adjacent to Deal's Gateway. Overflow public stand for three buses on north side of Deptford Bridge commencing 5 metres west of lamp standard No. 04 and extending 37 metres west.

Buses proceed from Deptford Bridge via Greenwich High Road, Deal's Gateway and Deptford Bridge Station Stand to stand, departing via Deptford Bridge Station Stand to Deptford Bridge. Set down in Deptford Bridge, at Alighting Point (29573 - Deptford Bridge [dlr], Last Stop on LOR: 29573 - Deptford Bridge [dlr]) and pick up in Deptford Bridge, at Stop T (4627 - Deptford Bridge [dlr], First Stop on LOR: 4627 - Deptford Bridge [dlr]).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 3 buses on Route 453 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.
BLIND DISPLAY:	Deptford Bridge.

BRICKLAYERS ARMS, BARTHOLOMEW STREET (from Deptford Broadway)

Public stand for two buses on south side of Bartholomew Street, commencing opposite number 21 and extending 24 metres east.

Buses proceed from Old Kent Road via Bricklayer's Arms Roundabout, Great Dover Street and Bartholomew Street to stand, departing via Bartholomew Street to New Kent Road. Set down in Bricklayer's Arms, at Stop BQ (26743 - Bricklayer's Arms, Last Stop on LOR: 2554 - Old Kent Road / East Street) and pick up in New Kent Road, at Stop BB (26746 - Bricklayer's Arms / New Kent Road, First Stop on LOR: 26746 - Bricklayer's Arms / New Kent Road).

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.
BLIND DISPLAY:	Bricklayer's Arms.

LAMBETH NORTH (from Deptford Broadway)

Buses proceed from Westminster Bridge Road via York Road, York Road - Bus Only and Addington Street departing to Westminster Bridge Road. Set down in Westminster Bridge Road, at Stop A (4741 - Lower Marsh, Last Stop on LOR: 4741 - Lower Marsh) and pick up in Westminster Bridge Road, at Stop K (4742 - Lower Marsh, First Stop on LOR: 4742 - Lower Marsh).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**
BLIND DISPLAY: Lambeth North.

TRAFALGAR SQUARE, NORTHUMBERLAND AVENUE, SOUTH SIDE (from Deptford Broadway)

Public stand for four buses on south side of Northumberland Avenue in 2 parts:

1. For two buses commencing at a point 16 metres east of the centre-line of Great Scotland Yard, extending 25 metres east;
2. For two buses commencing at a point 55 metres west of centre-line of Whitehall Place, extending 25 metres east.

Buses proceed from Whitehall via Horse Guards Avenue, Victoria Embankment and Northumberland Avenue to stand, departing via Northumberland Avenue and Charing Cross to Whitehall. Set down in Whitehall, at Alighting Point (7867 - Horse Guards Parade, Last Stop on LOR: 7867 - Horse Guards Parade) and pick up in Whitehall, at Stop P (14756 - Whitehall / Horseguards Avenue, First Stop on LOR: 14756 - Whitehall / Horseguards Avenue).

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.
BLIND DISPLAY: Whitehall, Horse Guards.

PICCADILLY CIRCUS (from Deptford Broadway)

Buses proceed from Regent Street via Piccadilly Circus departing to Haymarket. Set down in Regent Street, at Stop Y (154 - Regent Street / St James's, Last Stop on LOR: 154 - Regent Street / St James's) and pick up in Haymarket, at Stop P (157 - Haymarket / Charles II Street, First Stop on LOR: 157 - Haymarket / Charles II Street).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**
BLIND DISPLAY: Piccadilly Circus.

OXFORD CIRCUS (from Deptford Broadway)

Buses proceed from Regent Street via Margaret Street, Cavendish Square and Cavendish Place departing to Regent Street. Set down in Regent Street, at Stop M (16573 - Conduit Street / Hamleys Toy Store, Last Stop on LOR: 16573 - Conduit Street / Hamleys Toy Store) and pick up in Regent Street, at Stop RF (33062 - Oxford Circus Stn <> / Margaret Street, First Stop on LOR: 33062 - Oxford Circus Stn <> / Margaret Street).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**
BLIND DISPLAY: Oxford Circus.

OSNABURGH STREET (from Deptford Broadway)

Buses proceed from Portland Place via Park Crescent, Marylebone Road, Albany Street, Osnaburgh Terrace and Osnaburgh Street departing to Great Portland Street. Set down in Portland Place, at Stop K (29296 - Portland Place, Last Stop on LOR: 29296 - Portland Place) and pick up in Great Portland Street, at Stop E (8276 - Great Portland Street Station <>, First Stop on LOR: 8276 - Great Portland Street Station <>).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**
BLIND DISPLAY: Great Portland Street.

BAKER STREET STATION (from Deptford Broadway)

Buses proceed from Marylebone Road via Baker Street, York Street and Gloucester Place departing to Marylebone Road. Set down in Marylebone Road, at Stop E (724 - Baker Street Station <>, Last Stop on LOR: 724 - Baker Street Station <>) and pick up in Marylebone Road, at Stop W (721 - Glentworth Street, First Stop on LOR: 721 - Glentworth Street).

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

MARYLEBONE STATION, GREAT CENTRAL STREET

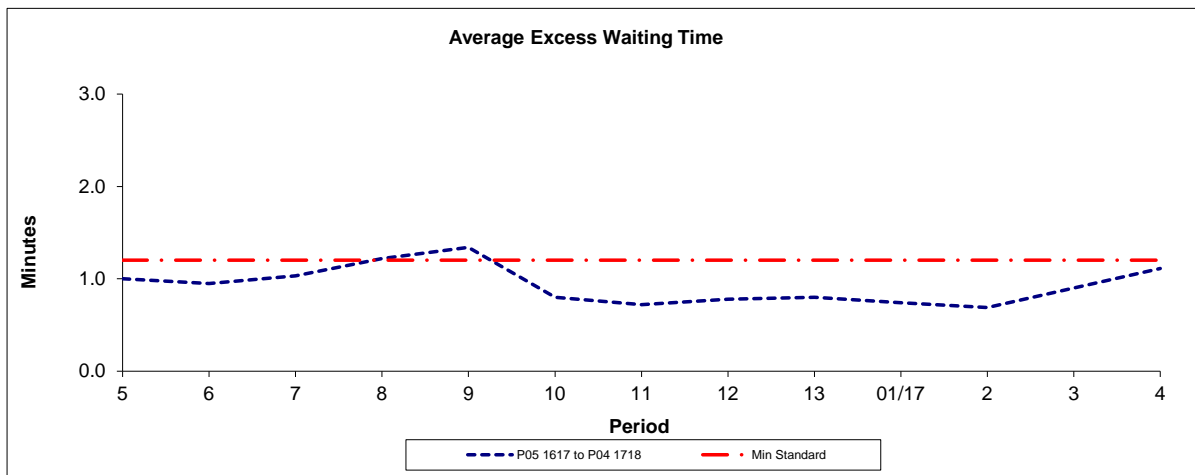
Public stand for three buses on east side of Great Central Street, commencing 20 metres north of the northern kerbline of Marylebone Road and extending 36 metres north. Buses proceed from Great Central Street direct to stand, departing to Great Central Street.

Set down in Great Central Street, at Stop M (BP1638 - Great Central Street, Last Stop on LOR: BP1638 - Great Central Street) and pick up in Great Central Street, at Stop M (BP1638 - Great Central Street, First Stop on LOR: BP1638 - Great Central Street).

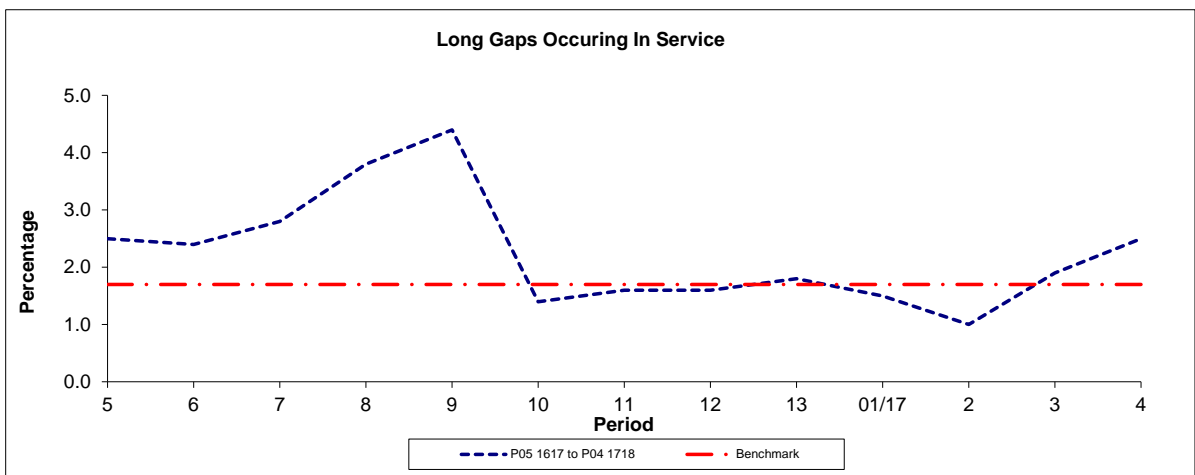
AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 3 buses on Route 453 should be scheduled to stand at any one time.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Marylebone.

PART B - PERFORMANCE STATISTICS

Route 453



Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	1.00	0.95	1.03	1.22	1.34	0.80	0.72	0.78	0.80	0.74	0.69	0.90	1.11
Min Standard	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20



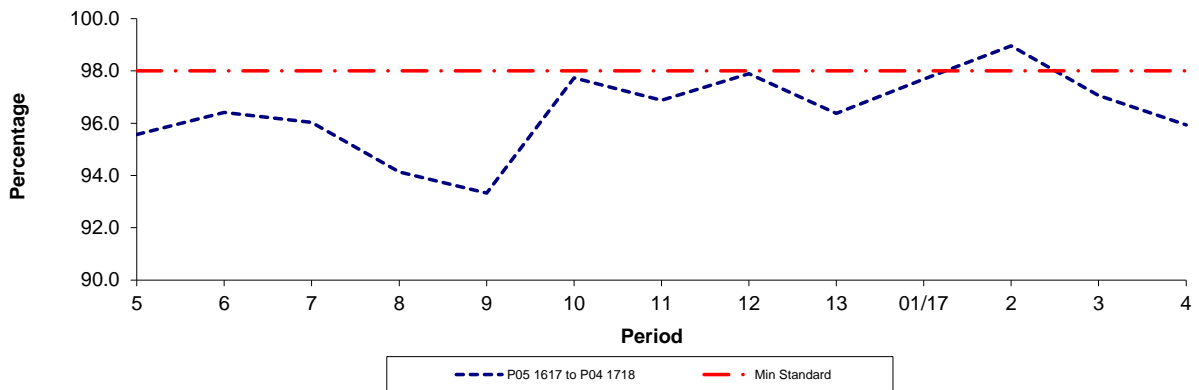
Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	2.5	2.4	2.8	3.8	4.4	1.4	1.6	1.6	1.8	1.5	1.0	1.9	2.5
Benchmark	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

Note : Reliability is actual performance under full iBus (4 weeks data).
Minimum Standards and Benchmarks are those applicable under the new contract.

PART B - PERFORMANCE STATISTICS

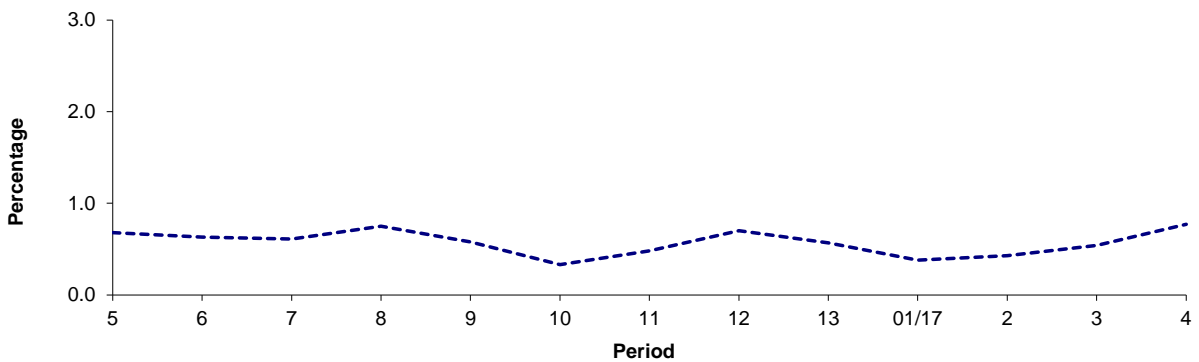
Route 453

Mileage Operated



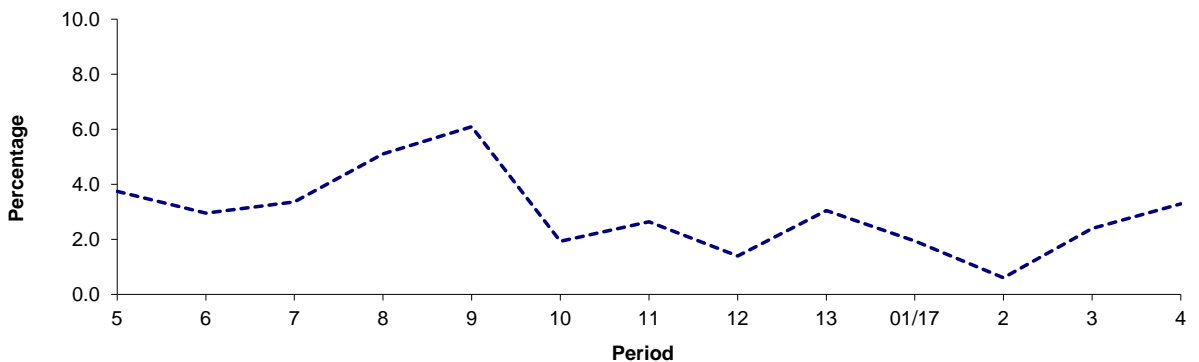
Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	95.57	96.41	96.03	94.14	93.33	97.74	96.88	97.89	96.37	97.68	98.96	97.06	95.94
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00

Deductible Mileage



Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	0.68	0.63	0.61	0.75	0.58	0.33	0.48	0.70	0.57	0.38	0.43	0.54	0.77

Non-deductible Mileage

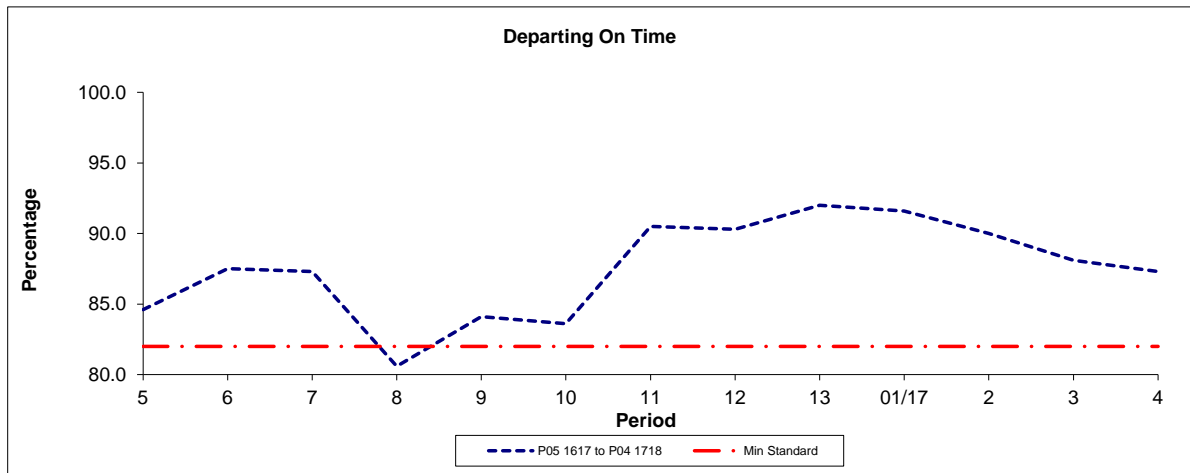


Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	3.75	2.96	3.36	5.11	6.09	1.93	2.64	1.40	3.05	1.94	0.61	2.40	3.29

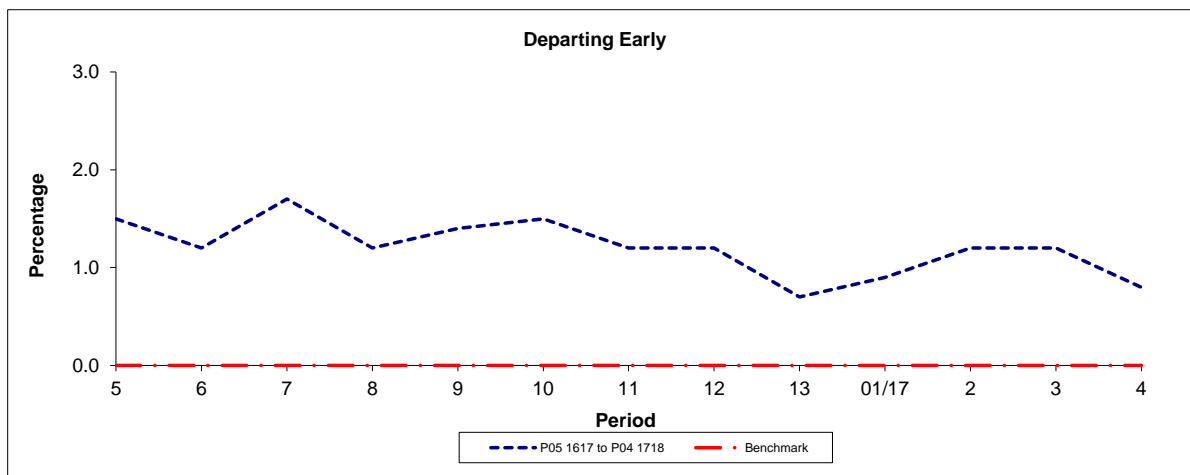
Note: Mileage is based on 4 weeks data

PART B - PERFORMANCE STATISTICS

Route N453



Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	84.6	87.5	87.3	80.6	84.1	83.6	90.5	90.3	92.0	91.6	90.0	88.1	87.3
Min Standard	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0

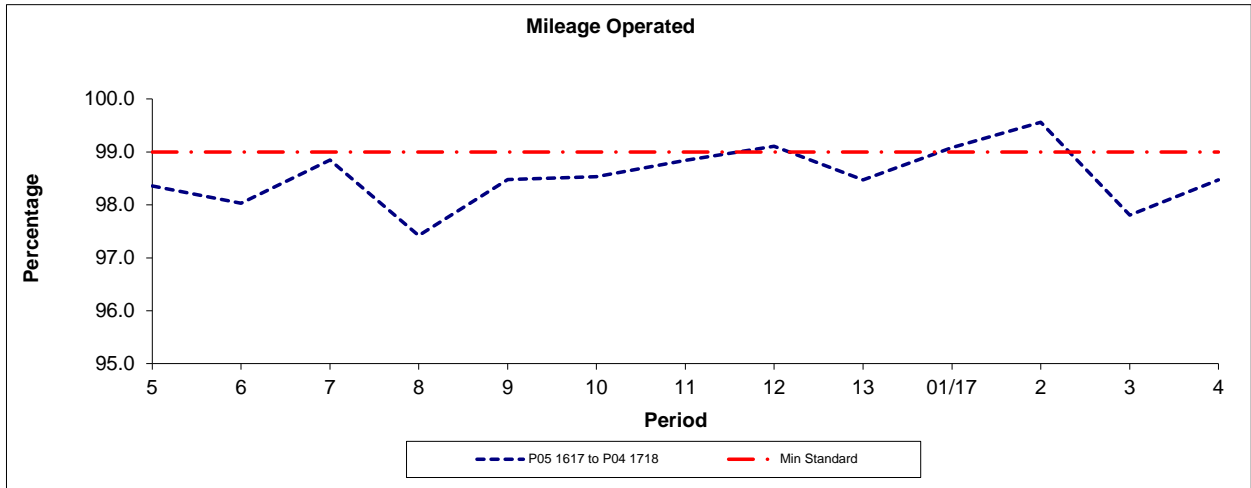


Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	1.5	1.2	1.7	1.2	1.4	1.5	1.2	1.2	0.7	0.9	1.2	1.2	0.8
Benchmark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

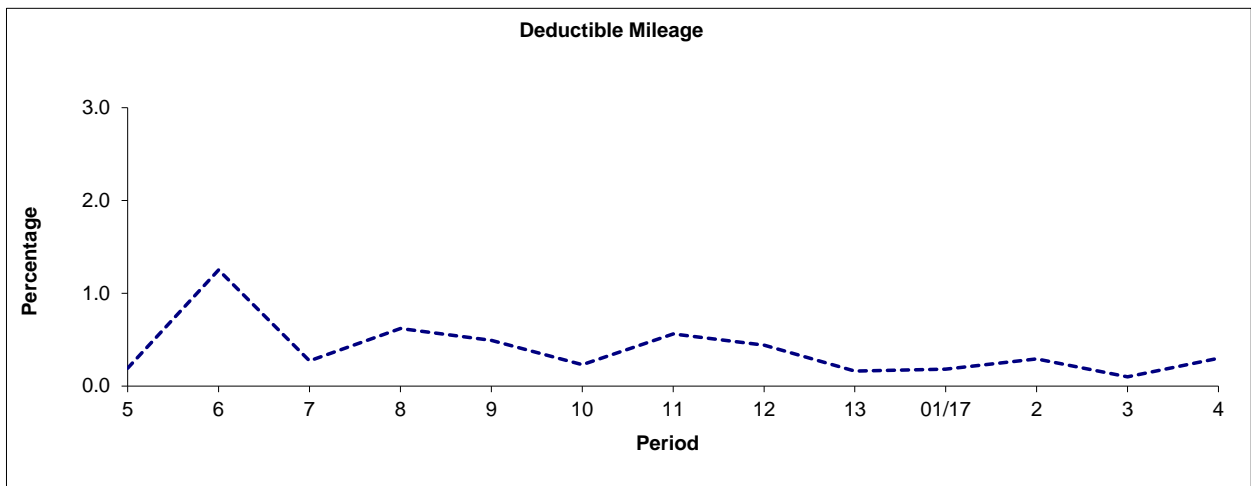
Note : Reliability is actual performance under full iBus (4 weeks data).
Minimum Standards and Benchmarks are those applicable under the new contract.

PART B - PERFORMANCE STATISTICS

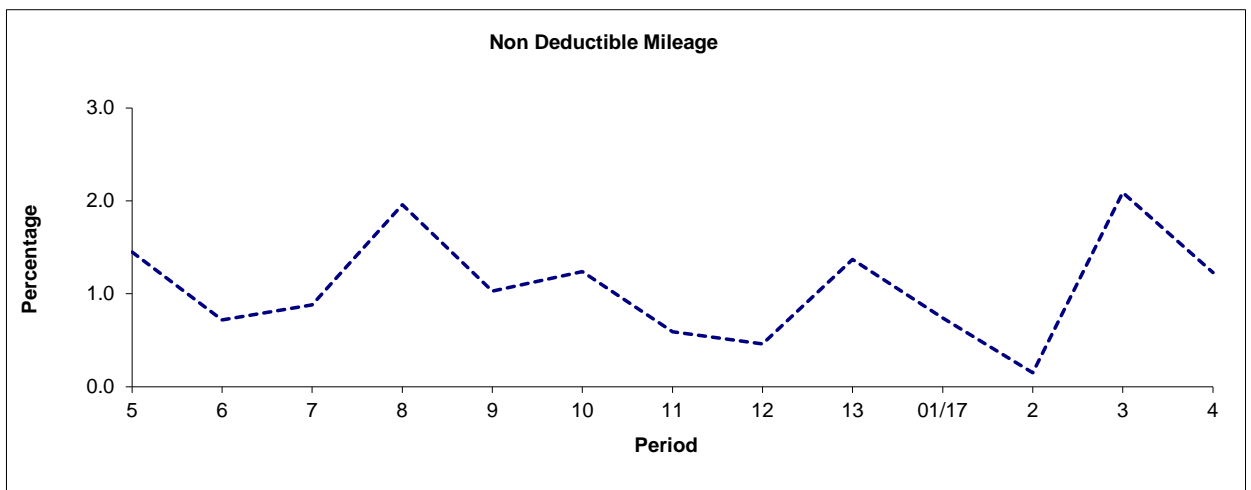
Route N453



Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	98.36	98.03	98.85	97.42	98.48	98.53	98.84	99.11	98.47	99.08	99.56	97.81	98.47
Min Standard	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00	99.00



Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	0.19	1.25	0.27	0.62	0.49	0.23	0.56	0.44	0.16	0.18	0.29	0.10	0.30



Period	5	6	7	8	9	10	11	12	13	01/17	2	3	4
P05 1617 to P04 1718	1.45	0.72	0.88	1.96	1.03	1.24	0.59	0.46	1.37	0.74	0.15	2.09	1.23

Note: Mileage is based on 4 weeks data

ROUTE 453 - FULL iBUS RESULTS BY TIME OF DAY
QUARTER 2 16/17 TO QUARTER 1 17/18 (25/06/16 - 23/06/17)

MONDAY - FRIDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	AWT (mins)	Probability of Waiting < 10 mins (%)	Probability of Waiting 10-20 mins (%)	Probability of Waiting 20-30 mins (%)	Probability of Waiting > 30 mins (%)	Long Gaps (%)	Maximum Gap (mins)
05:00 - 07:00	46,166	45,005	97.5	4.33	0.50	4.83	92.3	7.6	0.1	0.0	0.3	32
07:00 - 10:00	132,695	128,155	96.6	2.74	0.75	3.49	96.6	3.3	0.1	0.0	2.0	53
10:00 - 13:00	92,263	89,817	97.3	3.82	0.96	4.78	90.5	8.8	0.6	0.1	2.2	62
13:00 - 16:00	92,673	88,419	95.4	3.75	1.09	4.85	90.0	9.3	0.6	0.1	2.3	64
16:00 - 19:00	130,223	121,730	93.5	2.71	1.13	3.84	94.8	4.9	0.2	0.0	3.8	66
19:00 - 22:00	108,273	107,575	99.4	3.20	0.91	4.11	92.8	6.7	0.4	0.1	3.1	79
22:00 - 24:00	46,772	46,416	99.2	4.93	1.06	5.99	83.3	15.2	1.3	0.2	1.6	61
All Locations Summary	649,065	627,117	96.6	3.31	0.96	4.28	92.8	6.8	0.4	0.1	2.6	79

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	AWT (mins)	Probability of Waiting < 10 mins (%)	Probability of Waiting 10-20 mins (%)	Probability of Waiting 20-30 mins (%)	Probability of Waiting > 30 mins (%)	Long Gaps (%)	Maximum Gap (mins)
05:00 - 07:00	7,976	7,807	97.9	5.38	0.38	5.76	87.8	12.0	0.2	0.0	0.1	29
07:00 - 10:00	17,421	17,410	99.9	4.14	0.37	4.51	95.0	4.9	0.1	0.0	0.3	27
10:00 - 13:00	16,921	16,626	98.3	3.91	0.66	4.57	93.8	5.7	0.4	0.1	1.2	53
13:00 - 16:00	15,782	15,280	96.8	3.87	0.99	4.86	90.6	8.3	0.9	0.2	2.5	58
16:00 - 19:00	17,692	17,109	96.7	3.88	1.05	4.92	90.1	9.0	0.7	0.2	2.4	62
19:00 - 22:00	17,173	16,330	95.1	4.15	1.09	5.25	87.7	11.3	0.9	0.2	2.3	47
22:00 - 24:00	9,417	8,701	92.4	4.96	1.66	6.62	77.1	19.9	2.5	0.5	3.2	52
All Locations Summary	102,382	99,263	97.0	4.05	0.90	4.95	90.4	8.7	0.7	0.2	1.9	62

SUNDAY AND BANK HOLIDAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	AWT (mins)	Probability of Waiting < 10 mins (%)	Probability of Waiting 10-20 mins (%)	Probability of Waiting 20-30 mins (%)	Probability of Waiting > 30 mins (%)	Long Gaps (%)	Maximum Gap (mins)
05:00 - 07:00	7,303	7,270	99.5	6.02	0.38	6.41	80.5	19.1	0.4	0.0	0.1	37
07:00 - 10:00	14,747	14,415	97.7	5.07	0.51	5.58	87.8	12.0	0.2	0.0	0.2	32
10:00 - 13:00	14,378	14,349	99.8	5.03	0.66	5.69	86.1	13.0	0.8	0.1	0.8	47
13:00 - 16:00	14,730	14,228	96.6	4.99	0.92	5.91	84.1	14.2	1.3	0.3	1.6	56
16:00 - 19:00	15,366	14,881	96.8	4.97	1.10	6.06	83.5	14.5	1.5	0.5	2.0	66
19:00 - 22:00	16,056	15,620	97.3	4.85	0.93	5.78	85.6	13.3	0.9	0.2	1.3	58
22:00 - 24:00	10,681	10,591	99.2	4.96	0.77	5.73	86.0	13.2	0.7	0.1	0.8	41
All Locations Summary	93,261	91,354	98.0	5.01	0.84	5.85	85.0	13.8	1.0	0.3	1.3	66

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	AWT (mins)	Probability of Waiting < 10 mins (%)	Probability of Waiting 10-20 mins (%)	Probability of Waiting 20-30 mins (%)	Probability of Waiting > 30 mins (%)	Long Gaps (%)	Maximum Gap (mins)
05:00 - 07:00	61,445	60,082	97.8	4.55	0.48	5.03	91.0	8.9	0.1	0.0	0.3	37
07:00 - 10:00	164,863	159,980	97.0	2.97	0.71	3.68	96.0	3.8	0.1	0.0	1.8	53
10:00 - 13:00	123,562	120,792	97.8	3.98	0.88	4.86	90.5	8.8	0.6	0.1	1.8	62
13:00 - 16:00	123,185	117,927	95.7	3.91	1.06	4.97	89.4	9.7	0.7	0.1	2.3	64
16:00 - 19:00	163,281	153,720	94.1	3.07	1.12	4.19	93.1	6.3	0.4	0.1	3.5	66
19:00 - 22:00	141,502	139,525	98.6	3.52	0.94	4.46	91.2	8.1	0.5	0.1	2.8	79
22:00 - 24:00	66,870	65,708	98.3	4.94	1.12	6.06	82.5	15.7	1.4	0.3	1.8	61
All Locations Summary	844,708	817,734	96.8	3.58	0.94	4.52	91.7	7.7	0.5	0.1	2.4	79

ROUTE N453 - FULL iBUS RESULTS BY TIME OF DAY **QUARTER 2 16/17 TO QUARTER 1 17/18 (25/06/16 - 23/06/17)**

MONDAY - FRIDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
00:00 - 05:00	53,286	52,747	99.0	98.6	90.6	1.9	1.0	6.4
All Locations Summary	53,286	52,747	99.0	98.6	90.6	1.9	1.0	6.4

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
00:00 - 05:00	18,074	17,818	98.6	97.4	86.3	3.8	1.7	8.3
All Locations Summary	18,074	17,818	98.6	97.4	86.3	3.8	1.7	8.3

SUNDAYS & BANK HOLIDAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
00:00 - 05:00	17,871	17,381	97.3	95.3	79.6	6.2	1.3	12.8
All Locations Summary	17,871	17,381	97.3	95.3	79.6	6.2	1.3	12.8

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
00:00 - 05:00	89,231	87,946	98.6	97.7	87.1	3.3	1.2	8.3
All Locations Summary	89,231	87,946	98.6	97.7	87.1	3.3	1.2	8.3

Transport for London - QSI Points and Live Mileage List

Route 453, N453

Service change 24573

Date 27/09/2011

Reason for Issue

QSI Points are highlighted

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
DEPTDB	4627	Deptford Bridge		
	485	Florence Road	384	0.24
	13714	New Cross Station	191	0.12
	288	Marquis Of Granby / Goldsmiths	450	0.28
	26343	New Cross Gate Station	260	0.16
NX GR	24705	New Cross Bus Garage	375	0.23
	BP 2388	New Cross Road / Besson Street	288	0.18
	BP 2389	Briant Street	214	0.13
	R 0464	Pomeroy Street	185	0.11
	26726	Old Kent Road / Ilderton Road	312	0.19
	26728	Commercial Way	250	0.16
	2558	Peckham Park Road	448	0.28
	447	Malt Street	525	0.33
	4622	Trafalgar Avenue	232	0.14
OKRDTS	23105	Dunton Road	390	0.24
	2554	Old Kent Road / East Street	459	0.29
OKRDBAO	26743	Bricklayer's Arms	322	0.20
	34288	Bricklayer's Arms / New Kent Road	356	0.22
	2573	Rodney Place	314	0.20
ELEFNK	33627	Elephant & Castle / New Kent Road	295	0.18
	33623	London College Of Communication	260	0.16
	2569	St George's Road / Imperial War Museum	330	0.21
	523	Lambeth North Station	453	0.28
	4741	Lower Marsh	199	0.12
	26487	Westminster Bridge / County Hall	430	0.27
WMINPS	996	Parliament Square	610	0.38
	7867	Horse Guards Parade	232	0.14
TFSQCS	BP 3503	Trafalgar Square	524	0.33
	154	Regent Street / Jermyn Street	414	0.26
PCIRRS	BP 5840	Piccadilly Circus	312	0.19
	16573	Conduit Street / Hamleys Toy Store	356	0.22
OXFCRM	BP 3695	Margaret Street / Oxford Circus	541	0.34
	29296	Portland Place	477	0.30
	8287	Great Portland Street Station	376	0.23
GPSTSN	2870	Regents Park Station	288	0.18
	1582	Harley Street	219	0.14
BKSTMR	724	Baker Street Station	479	0.30
	28972	Gloucester Place	151	0.09
MARYGC	BP 1638	Great Central Street	441	0.27
TOTAL ROUTE MILEAGE - OUT DIRECTION			13342 <i>Metres</i>	8.29 <i>Miles</i>

Mileage in purple font has been extracted from Route Nos. 12 & N12.

Mileage in blue font has been extracted from Route No. N136.

Stop change at Piccadilly Circus on Route Nos. 453 & N453 but an up to date mileage sheet is not available.

FINAL MILEAGE TO BE CONFIRMED.

TRANCHE 622

Mileage Update

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
MARYGC	BP1638	Great Central Street		
	721	Baker Street	246	0.15
BKSTMR	723	Baker Street Station	180	0.11
	1583	Harley Street	492	0.31
	8279	Regents Park Station	173	0.11
GPSTSN	8276	Great Portland Street Station	554	0.34
	33066	New Cavendish Street	409	0.25
OXFCRM	33062	Oxford Circus Stn / Margaret Street	534	0.33
	16574	Conduit Street / Hamleys Toy Store	450	0.28
PCIRRS	150	Piccadilly Circus	378	0.23
	157	Haymarket	396	0.25
	BP3508	Trafalgar Sq / Charing Cross Stn	262	0.16
TFSQWH	14756	Whitehall / Trafalgar Square	442	0.27
	R0470	Horse Guards Parade	110	0.07
WMINPS	1000	Westminster Stn / Parliament Square	308	0.19
	26826	St Thomas' Hospital / County Hall	636	0.40
	4742	Lower Marsh	290	0.18
	26768	Lambeth North Station	300	0.19
	29808	St George's Circus	237	0.15
	26212	Elephant & Castle / London Road	633	0.39
ELEFNK	27400	Elephant & Castle / New Kent Road	315	0.20
	2574	Rodney Place	243	0.15
	26746	Bricklayer's Arms / New Kent Road	398	0.25
OKRDBAO	26741	Bricklayer's Arms	506	0.31
	BP599	Old Kent Road / East Street	229	0.14
OKRDTS	BP128	Dunton Road	498	0.31
	1171	Trafalgar Avenue	357	0.22
	448	Malt Street	252	0.16
	394	Peckham Park Road	484	0.30
	26727	Commercial Way	456	0.28
	86	Old Kent Road / Ilderton Road	230	0.14
	2567	Briant Street	623	0.39
NX GR	33101	New Cross Bus Garage	354	0.22
	BP1237	New Cross Gate Station	411	0.26
	4631	Marquis Of Granby	326	0.20
	13715	New Cross Station	234	0.15
	486	Deptford High Street	307	0.19
DEPTDB	29573	Deptford Bridge	286	0.18
TOTAL ROUTE MILEAGE - BACK DIRECTION			13539	8.41
			Metres	Miles

Mileages in orange font have been extracted from Route Nos. 12 & N12.
 Stop change at Westminster Stn / Parliament Square on
 Route Nos. 453 & N453 but an up to date mileage sheet is not available.
FINAL MILEAGE TO BE CONFIRMED.