

7. Service Specification

Route: 244

Contract Reference: QC63103

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.

Route Number	244
Terminus Points	Woolwich Common, Queen Elizabeth Hospital and Abbey Wood, Knee Hill
Contract Basis	Incentivised
Commencement Date	8 th December 2018
Vehicle Type - Option 1	87 capacity, dual door, double deck vehicles, subject to a satisfactory route test
Vehicle Type - Option 2	60 capacity, dual door, single deck vehicles, minimum 10.8m long, subject to a satisfactory route test
Current Maximum Approved Dimensions	10.2 metres long and 2.4 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required - Option 1	Yes
Hybrid Price Required - Option 2	No
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard (Options 1 & 2)	Average Excess Wait Time - No more than 1.00 minutes
Extension Threshold (Options 1 & 2)	Average Excess Wait Time Threshold - 0.90 minutes
Minimum Operated Mileage Standard	No less than 98%

The Date of Tender for this ITT is: No later than 12 Noon on Monday 2nd July 2018.

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 No. 244.

- Route No. 244 is cutback to terminate at Abbey Wood, Knee Hill.
- Ex Woolwich Common, Queen Elizabeth Hospital, Wilton Road and Gayton Road are withdrawn.
- **Please see Section 5 for a full list of streets traversed and standing arrangements.**
- The widening of 1 minute during the Mondays to Fridays PM peak will cease at the end of the current route agreement.

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

- Conversion of Route No. 244 from 55 capacity, dual door, single deck vehicles to new 87 capacity, dual door, double deck vehicles is specified, subject to a satisfactory route test.

Option 2

- 60 capacity, dual door, single deck vehicles, minimum 10.8m long are specified, subject to a satisfactory route test.

2) NOTES - continued

OPTION 1

Operators should provide the following prices:

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

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.**

OPTION 2

Operators should provide the following prices:

- 1. Annual diesel price - based on minimum 5 year contract.**

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

- 1. Modifications to reduce emissions and fuel consumption (including energy storage, engine stop/start and/or energy efficient components).**
- 2. Zero emission vehicles (e.g. electric or fuel cell).**
- 3. 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.**

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Woolwich Common, Queen Elizabeth Hospital to Abbey Wood, Knee Hill			Abbey Wood, Knee Hill to Woolwich Common, Queen Elizabeth Hospital		
First departure no later than 0515.			First departure no later than 0450.		
0510 - 0635	Every 20 minutes		0445 - 0610	Every 20 minutes	
0636 - 0700	Every 12 minutes		0611 - 0650	Every 12 minutes	
0701 - 1900	Every 10 minutes		0651 - 1810	Every 10 minutes	
1901 - 2025	Every 12 minutes		1811 - 1925	Every 12 minutes	
2026 - 0030	Every 15 minutes		1926 - 2400	Every 15 minutes	
Last departure no earlier than 0025.			Last departure no earlier than 2355.		
Pinchpoints					
Belmarsh Prison	0730 - 0900	10 minutes	Woolwich Arsenal Station	0720 - 0905	10 minutes
	1505 - 1635	10 minutes		1500 - 1630	10 minutes

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Woolwich Common, Queen Elizabeth Hospital to Abbey Wood, Knee Hill			Abbey Wood, Knee Hill to Woolwich Common, Queen Elizabeth Hospital		
First departure no later than 0515.			First departure no later than 0450.		
0510 - 0735	Every 20 minutes		0445 - 0710	Every 20 minutes	
0736 - 0835	Every 15 minutes		0711 - 0810	Every 15 minutes	
0836 - 0900	Every 12 minutes		0811 - 0855	Every 12 minutes	
0901 - 1900	Every 10 minutes		0856 - 1810	Every 10 minutes	
1901 - 2000	Every 12 minutes		1811 - 1910	Every 12 minutes	
2001 - 0030	Every 15 minutes		1911 - 2400	Every 15 minutes	
Last departure no earlier than 0025.			Last departure no earlier than 2355.		
Pinchpoints					
Belmarsh Prison	0930 - 1100	10 minutes	Woolwich Arsenal Station	0920 - 1100	10 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

3.3) SUNDAY AND PUBLIC HOLIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Woolwich Common, Queen Elizabeth Hospital to Abbey Wood, Knee Hill			Abbey Wood, Knee Hill to Woolwich Common, Queen Elizabeth Hospital and		
First departure no later than 0555.			First departure no later than 0540.		
0550 - 0655	Every 30 minutes		0535 - 0640	Every 30 minutes	
0656 - 0735	Every 20 minutes		0641 - 0700	Every 20 minutes	
0736 - 0030	Every 15 minutes		0701 - 2400	Every 15 minutes	
Last departure no earlier than 0025.			Last departure no earlier than 2355.		
Pinchpoints					
Belmarsh Prison	1000 - 1130	15 minutes	Woolwich Arsenal Station	0955 - 1125	15 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 244 should interwork with Route No. 301 between Bentham Road (at junction with Thamesmere Drive roundabout) and Abbey Wood, Knee Hill during all evenings and the Sunday Shopping period.
- 4.2) Route No. 244 can suffer from unpredictable traffic delays in the Woolwich and Thamesmead areas.
- 4.3) A proposal exists to locate a new bus stop on Central Way between the Thamesmere Drive roundabout and Twin Tumps Way roundabout ex Abbey Wood, Knee Hill.
- 4.4) 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. 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 244: Woolwich Common, Queen Elizabeth Hospital - Abbey Wood Station

Date of Structural Change: 8 December 2018.

Date of Service Change: 8 December 2018.

Reason for Issue: New tender.

STREETS TRAVERSED

Towards Abbey Wood Station: Stadium Road, Baker Road, Shooters Hill Road, Shooters Hill, Shrewsbury Lane, Eglinton Hill, Herbert Road, Plumstead Common Road, Nightingale Place, Woolwich New Road, Grand Depot Road, Woolwich New Road, Plumstead Road, Pettman Crescent, Tom Cribb Road, Broadwater Road, Goosander Way, Whinchat Road, Warepoint Drive, Merbury Road, Battery Road, Western Way Roundabout, Circumnavigate Western Way Roundabout, Western Way Roundabout, Western Way, Central Way, Twin Tumps Way Roundabout, Central Way, Thamesmere Drive Roundabout, Bentham Road, Boiler House Roundabout, Carlyle Road, Harrow Manor Way, Lensbury Way Roundabout, Harrow Manor Way, Knee Hill.

Towards Woolwich Common, Queen Elizabeth Hospital: Knee Hill, Harrow Manor Way, Carlyle Road, Boiler House Roundabout, Bentham Road, Thamesmere Drive Roundabout, Thamesmere Drive, Turning Circle, Thamesmere Drive, Thamesmere Drive Roundabout, Central Way, Twin Tumps Way Roundabout, Central Way, Western Way, Western Way Roundabout, Battery Road, Merbury Road, Warepoint Drive, Whinchat Road, Goosander Way, Broadwater Road, Tom Cribb Road, Pettman Crescent, Plumstead Road, Woolwich New Road, Nightingale Place, Plumstead Common Road, Herbert Road, Eglinton Hill, Cantwell Road, Brent Road, Eglinton Hill, Shrewsbury Lane, Shooters Hill, Shooters Hill Road, Baker Road, Stadium Road.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

WOOLWICH COMMON, QUEEN ELIZABETH HOSPITAL

Public stand for 7 buses in marked areas in Bus Parking Area on east side of Stadium Road opposite Ranken House.

Buses proceed from Stadium Road via Bus Standing Area to stand, departing via Bus Standing Area to Stadium Road. Set down in Stadium Road, at Stop H3 (BP2729 - Queen Elizabeth Hospital / West Entrance, Last Stop on LOR: BP2729 - Queen Elizabeth Hospital / West Entrance) and pick up in Stadium Road, at Stop H4 (35591 - Queen Elizabeth Hospital / West Entrance, First Stop on LOR: 35591 - Queen Elizabeth Hospital / West Entrance).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 244 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:	Queen Elizabeth Hospital.

SHOOTERS HILL, BULL (from ABBEY WOOD STATION)

Public stand for two buses on east side of Eaglesfield Road, commencing 18 metres north of path to Refreshment Rooms and extending 22 metres north.

Buses proceed from Shrewsbury Lane via Foxcroft Road and Eaglesfield Road to stand, departing via Eaglesfield Road and Shooters Hill to Shrewsbury Lane. Set down in Shrewsbury Lane (27664 - Eaglesfield Road, Last Stop on LOR: 27664 - Eaglesfield Road) and pick up in Shrewsbury Lane, at Stop WE (27831 - Shrewsbury Lane / Occupation Lane, First Stop on LOR: 27831 - Shrewsbury Lane / Occupation Lane).

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:	Shooters Hill, Eaglesfield Road.

WOOLWICH, BERESFORD STREET (from ABBEY WOOD STATION)

Public stand for ten buses on south side of Beresford Street and Woolwich High Street in 3 parts:

1. For two buses commencing 25 metres south east of Macbean Street extending 31 metres south east.
2. For three buses as an overflow stand commencing 4 metres north west of lamp standard 06A0121 extending 36 metres south east.
3. For five buses as an overflow stand commencing 4 metres west of lamp standard 16AA1549 extending 61 metres east.

Buses proceed from Plumstead Road via Beresford Street to stand, departing via Beresford Street, John Wilson Street, Castile Road, Monk Street, Calderwood Street and Thomas Street to Woolwich New Road. Set down in Plumstead Road, at Stop Z (BP4396 - Plumstead Road / Woolwich Public Market, Last Stop on LOR: BP4396 - Plumstead Road / Woolwich Public Market) and pick up in Woolwich New Road, at stop Q (BP5481 - Woolwich Arsenal Station # [dlr], First Stop on LOR: BP5481 - Woolwich Arsenal Station # [dlr]).

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:	Woolwich.

BELMARSH PRISON

From Abbey Wood Station.

Buses proceed from Western Way Roundabout departing to Western Way Roundabout. Set down in Western Way Roundabout, (R0386 - Belmarsh Prison, Last Stop on LOR: R0386 - Belmarsh Prison) and pick up in Western Way Roundabout, F (BP878 - Princess Alice, First Stop on LOR: BP878 - Princess Alice).

From Woolwich Common, Queen Elizabeth Hospital.

Buses proceed from Western Way Roundabout departing to Western Way Roundabout. Set down in Western Way Roundabout, (BP878 - Princess Alice, Last Stop on LOR: BP878 - Princess Alice) and pick up in Western Way Roundabout, G (R0386 - Belmarsh Prison, First Stop on LOR: R0386 - Belmarsh Prison).

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

GOOSANDER WAY

From Abbey Wood Station.

Buses proceed from Whinchat Road via Goosander Way departing to Whinchat Road. Set down in Whinchat Road (BP2569 - Heronsgate Primary School, Last Stop on LOR: BP2569 - Heronsgate Primary School) and pick up in Whinchat Road (BP2582 - Heronsgate Primary School, First Stop on LOR: BP2582 - Heronsgate Primary School).

From Woolwich Common, Queen Elizabeth Hospital.

Buses proceed from Broadwater Road via Goosander Way departing to Broadwater Road. Set down in Broadwater Road (BP2583 - Carronade Place, Last Stop on LOR: BP2583 - Carronade Place) and pick up in Broadwater Road (BP2568 - Carronade Place, First Stop on LOR: BP2568 - Carronade Place).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Turning Point Only - Buses must not stand
BLIND DISPLAY:	Broadwater Estate.

THAMESMEAD TOWN CENTRE, THAMESMERE DRIVE

Public stand for 5 buses in lay-by on west side of Thamesmere Drive opposite Claude Ramsey Library. Overflow stand for 2 buses on south side of Thamesmere Drive turning circle.

From Abbey Wood Station.

Buses proceed from Thamesmere Drive direct to stand, departing via Thamesmere Drive, Turning Circle, Thamesmere Drive and Thamesmere Drive Roundabout to Bentham Road. Set down in Thamesmere Drive, at Stop C (37417 - Thamesmead Town Centre, Last Stop on LOR: BP1582 - Thamesmead Town Centre) and pick up in Bentham Road, at Stop G (36668 - Gallions Reach Health Centre, First Stop on LOR: 36668 - Gallions Reach Health Centre).

From Woolwich Common, Queen Elizabeth Hospital.

Buses proceed from Central Way via Thamesmere Drive Roundabout and Thamesmere Drive to stand, departing via Thamesmere Drive and Turning Circle to Thamesmere Drive. Set down in Central Way, at Stop B (BP1583 - Central Way / Thamesmead Town Centre, Last Stop on LOR: BP1583 - Central Way / Thamesmead Town Centre) and pick up in Thamesmere Drive, at Stop A (BP1582 - Thamesmead Town Centre, First Stop on LOR: BP1582 - Thamesmead Town Centre).

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:	Thamesmead.

ABBHEY WOOD, KNEE HILL TEMPORARY STAND

Temporary public stand for 1 bus on west side of Knee Hill road commencing 30 metres south of junction with Abbey Wood Road and extending 10 metres south.

Buses proceed from Knee Hill direct to stand, departing via Knee Hill, Abbey Wood Road, Abbey Road, Fossington Road, Fendyke Road, Florence Road, Abbey Road and Abbey Wood Road to Knee Hill. Set down in Knee Hill, at stop E (26601 - Abbey Wood Road, Last Stop on LOR: 26601 - Abbey Wood Road) and pick up in Knee Hill, at stop G (3963 - Abbey Wood Road, First Stop on LOR: 3963 - Abbey Wood Road).

AVAILABILITY: At any time.

OPERATING RESTRICTIONS: No more than 2 buses on Route 244 should be scheduled to stand at any one time.

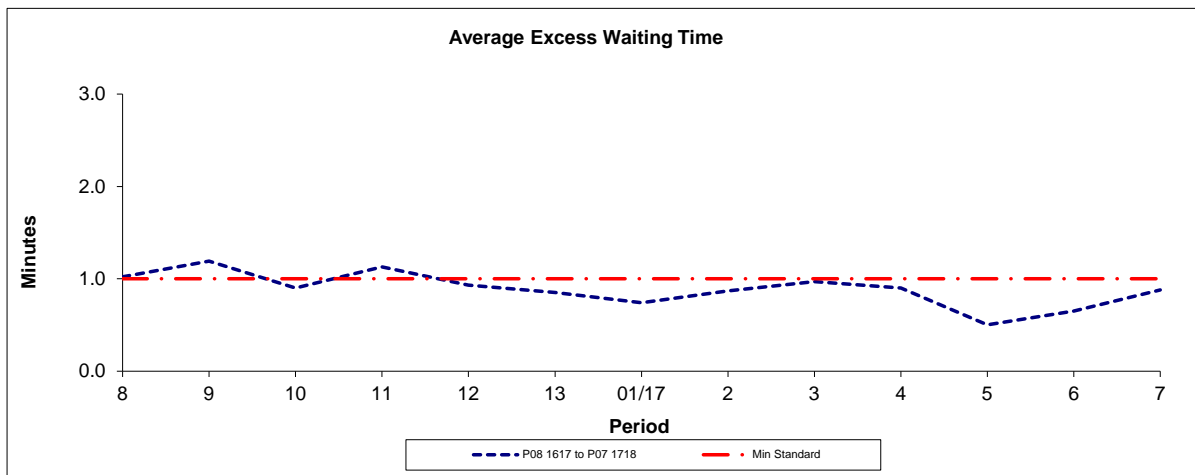
MEAL RELIEFS: No meal relief vehicles to stand at any time.

FERRY VEHICLES: No ferry vehicles to park on stand at any time.

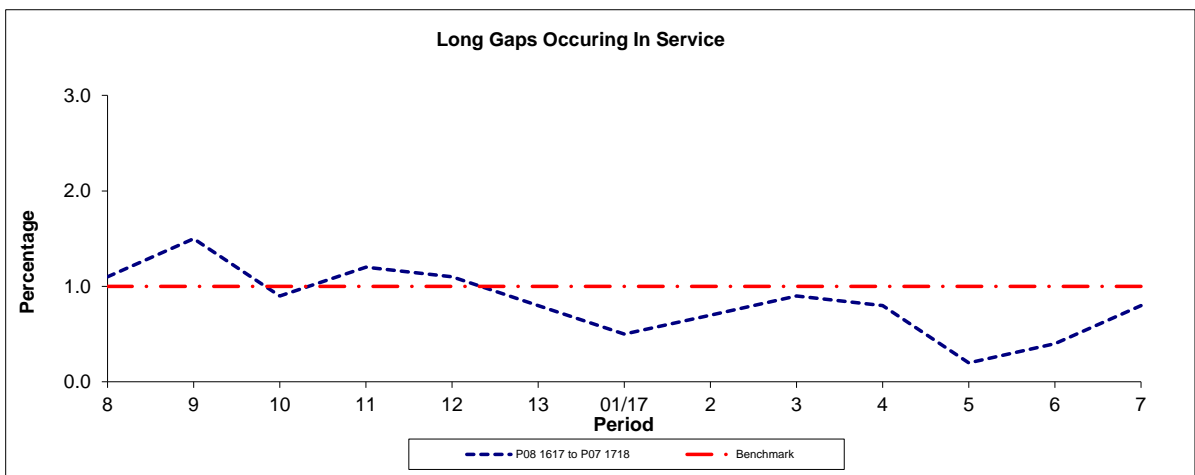
BLIND DISPLAY: Abbey Wood.

PART B - PERFORMANCE STATISTICS

Route 244



Period	8	9	10	11	12	13	01/17	2	3	4	5	6	7
P08 1617 to P07 1718	1.02	1.19	0.90	1.13	0.93	0.85	0.74	0.87	0.97	0.90	0.50	0.65	0.88
Min Standard	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

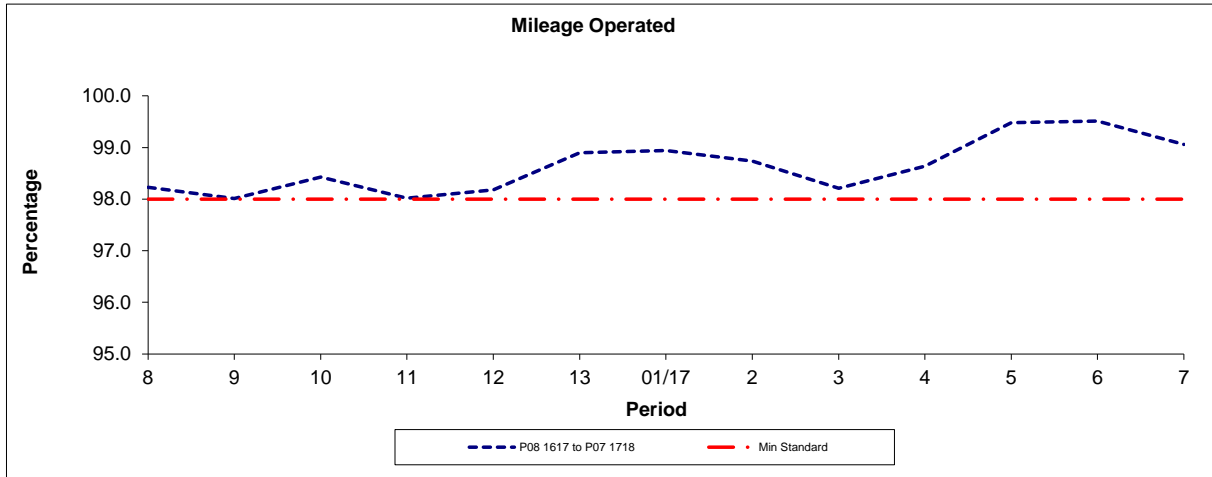


Period	8	9	10	11	12	13	01/17	2	3	4	5	6	7
P08 1617 to P07 1718	1.1	1.5	0.9	1.2	1.1	0.8	0.5	0.7	0.9	0.8	0.2	0.4	0.8
Benchmark	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

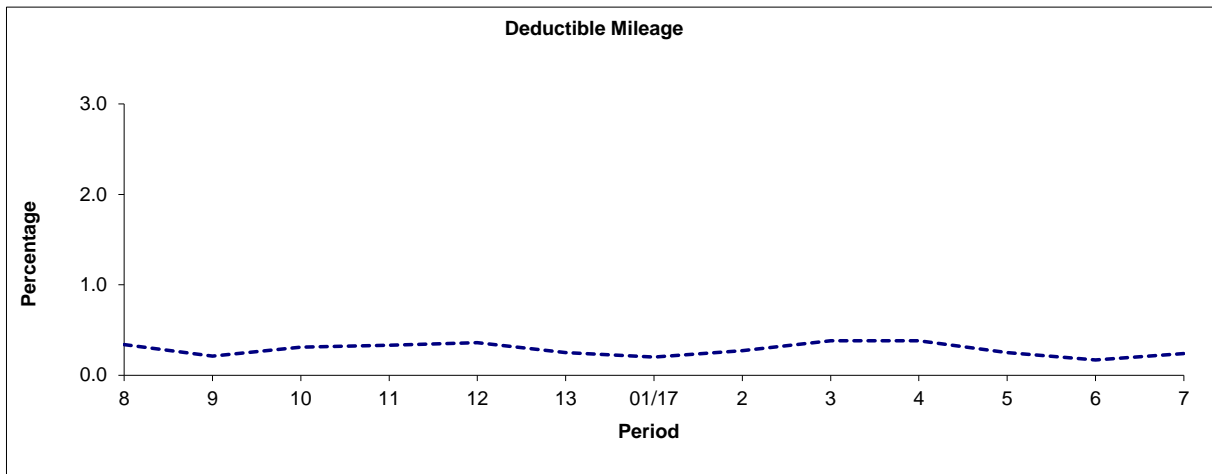
Note : Reliability is actual performance under full iBus (4 weeks data).
Minimum Standards and Benchmarks are those applicable under the new contract.

PART B - PERFORMANCE STATISTICS

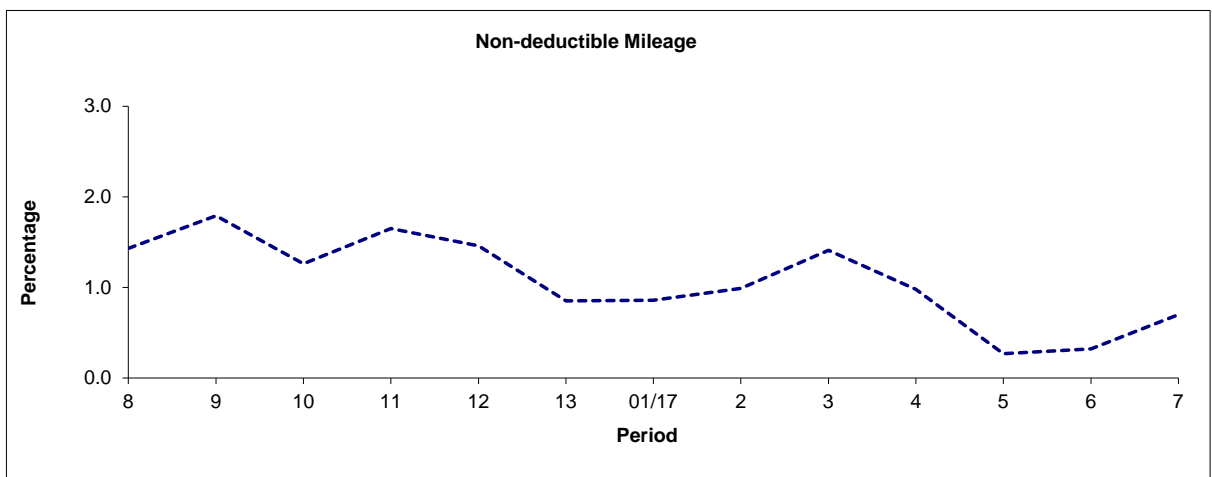
Route 244



Period	8	9	10	11	12	13	01/17	2	3	4	5	6	7
P08 1617 to P07 1718	98.23	98.01	98.43	98.02	98.18	98.90	98.94	98.74	98.21	98.64	99.48	99.51	99.06
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	8	9	10	11	12	13	01/17	2	3	4	5	6	7
P08 1617 to P07 1718	0.34	0.21	0.31	0.33	0.36	0.25	0.20	0.27	0.38	0.38	0.25	0.17	0.24



Period	8	9	10	11	12	13	01/17	2	3	4	5	6	7
P08 1617 to P07 1718	1.43	1.79	1.26	1.65	1.46	0.85	0.86	0.99	1.41	0.98	0.27	0.32	0.70

Note: Mileage is based on 4 weeks data

ROUTE 244 - FULL iBUS RESULTS BY TIME OF DAY
QUARTER 3 16/17 TO QUARTER 2 17/18 (17/09/16 - 15/09/17)

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	25,873	25,377	98.1	8.41	0.42	8.83	68.1	28.4	3.3	0.2	0.5	63
07:00 - 10:00	69,954	68,952	98.6	5.18	0.75	5.93	84.5	14.8	0.6	0.1	0.6	51
10:00 - 13:00	72,326	71,234	98.5	4.96	0.74	5.71	85.7	13.8	0.4	0.0	0.5	52
13:00 - 16:00	70,380	69,295	98.5	5.09	0.93	6.02	82.1	16.7	1.1	0.1	1.1	48
16:00 - 19:00	66,901	64,399	96.3	5.36	1.55	6.91	75.9	21.4	2.4	0.2	1.9	60
19:00 - 22:00	54,907	54,357	99.0	6.38	0.85	7.24	71.7	26.6	1.6	0.1	0.6	56
22:00 - 24:00	31,708	32,047	101.1	7.38	0.33	7.71	67.6	31.4	0.9	0.1	0.1	46
All Locations Summary	392,049	385,661	98.4	5.52	0.95	6.47	79.5	19.1	1.3	0.1	1.0	63

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	4,182	4,118	98.5	10.00	0.27	10.27	52.8	42.2	4.7	0.3	0.5	46
07:00 - 10:00	10,995	10,955	99.6	6.99	0.32	7.31	75.1	23.8	1.1	0.0	0.0	45
10:00 - 13:00	14,952	14,575	97.5	5.01	0.69	5.70	85.6	14.1	0.3	0.0	0.3	31
13:00 - 16:00	14,513	14,391	99.2	5.08	0.93	6.01	82.8	16.2	0.9	0.1	1.0	46
16:00 - 19:00	14,508	13,933	96.0	5.19	1.07	6.26	81.3	17.2	1.2	0.3	1.3	61
19:00 - 22:00	10,963	10,795	98.5	6.71	1.00	7.72	67.7	29.1	2.9	0.4	0.8	51
22:00 - 24:00	6,854	6,705	100.8	7.43	0.75	8.18	65.4	31.7	2.7	0.2	0.3	53
All Locations Summary	76,767	75,472	98.3	5.79	0.83	6.62	78.3	20.1	1.3	0.2	0.7	61

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	2,266	2,246	99.1	14.69	0.18	14.87	55.8	22.0	19.3	2.9	5.5	47
07:00 - 10:00	10,280	10,196	99.2	8.14	0.35	8.49	64.0	34.8	1.1	0.0	0.0	61
10:00 - 13:00	10,948	10,923	99.8	7.41	0.51	7.91	65.8	32.4	1.6	0.2	0.2	43
13:00 - 16:00	10,973	10,709	97.6	7.42	0.92	8.34	63.8	32.6	3.1	0.5	0.5	60
16:00 - 19:00	11,145	11,111	99.7	7.34	0.71	8.05	65.8	32.0	2.0	0.2	0.3	48
19:00 - 22:00	11,041	11,040	100.0	7.37	0.45	7.82	66.6	32.2	1.2	0.1	0.1	47
22:00 - 24:00	7,297	7,371	101.0	7.50	0.28	7.78	67.2	31.8	0.8	0.2	0.2	54
All Locations Summary	63,950	63,596	99.4	7.60	0.62	8.21	65.0	32.3	2.4	0.3	0.4	61

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	32,321	31,741	98.2	8.86	0.40	9.25	65.8	29.2	4.5	0.4	0.8	63
07:00 - 10:00	91,229	90,103	98.8	5.47	0.70	6.17	82.8	16.5	0.7	0.1	0.5	61
10:00 - 13:00	98,226	96,732	98.5	5.27	0.71	5.98	83.3	16.1	0.6	0.1	0.4	52
13:00 - 16:00	95,866	94,395	98.5	5.36	0.93	6.29	80.1	18.5	1.3	0.2	1.0	60
16:00 - 19:00	92,554	89,443	96.6	5.53	1.41	6.94	75.6	21.9	2.2	0.2	1.7	61
19:00 - 22:00	76,911	76,192	99.1	6.54	0.83	7.37	70.5	27.6	1.7	0.2	0.5	56
22:00 - 24:00	45,659	46,123	101.0	7.40	0.40	7.80	67.2	31.5	1.2	0.1	0.1	54
All Locations Summary	532,766	524,729	98.5	5.76	0.90	6.66	77.9	20.5	1.5	0.2	0.9	63

Transport for London - QSI Points and Live Mileage List

Route 244

Service change 37158

Date 14/06/2014

QSI Points are highlighted

Reason for Issu

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
WCOMHP	35591	Queen Elizabeth Hospital / West Entrance		
	BP2824	Greenwich Heights	185	0.11
	19689	Shooters Hill Road / Baker Road	398	0.25
SHOOPS	4662	Shooters Hill Road / Academy Road	303	0.19
	19687	Red Lion Lane	328	0.20
SHOOBL	19685	Memorial Hospital	545	0.34
	27831	Shrewsbury Lane / Occupation Lane	409	0.25
	27663	Eaglesfield Road	265	0.16
	36813	Brent Road	208	0.13
	27658	Eglington Road	360	0.22
HBRDPC	27656	Herbert Road / Plumstead Common Road	276	0.17
	BP364	Nightingale Vale	305	0.19
	BP363	Woolwich Common / Ha Ha Road	243	0.15
	26645	Gunner Lane	134	0.08
	26644	Naafi Messing Store	383	0.24
WOOLAS	BP5481	Woolwich Arsenal Station	564	0.35
	BP5540	Plumstead Road / Woolwich Public Market	286	0.18
	R0385	Maxey Road	442	0.27
PDGR	36508	Plumstead Bus Garage	413	0.26
	BP2584	Tom Cribb Road	307	0.19
	BP2583	Carronade Place	181	0.11
BWTRGW	BP2582	Heronsgate Primary School	313	0.19
	BP2581	Wigeon Path	202	0.13
	BP2580	Gallions Park	237	0.15
	BP2579	Ridge Close	211	0.13
	BP2578	Bluebird Way	126	0.08
	BP2577	Merbury Road	209	0.13
	BP2576	Goldfinch Road	192	0.12
	BP878	Princess Alice	126	0.08
BMSHPR	R0386	Belmarsh Prison	156	0.10
	BP878	Princess Alice	112	0.07
	BP3114	Grasshaven Way	1198	0.74
THMDWM	BP1813	Watersmeet Place	356	0.22
THMDCT	BP1583	Central Way / Thamesmead Town Centre	175	0.11
	36668	Gallions Reach Health Centre	391	0.24
	35921	Hawksmoor School	224	0.14
	35922	Southwood Road	254	0.16
THMDBR	35926	Titmuss Avenue	392	0.24
	35406	Carlyle Road / Crossway	167	0.10
	34812	Newacres Library	782	0.49
	33040	Harrow Manorway / Yarrnton Way	267	0.17
	33041	Overton Road	201	0.12
	35309	Harrow Manorway / Abbey Wood Station	292	0.18
ABWDKH	26601	Abbey Wood Road	413	0.26
Total Route Mileage - Out Direction			13531	8.41
			Metres	Miles

TRANCHE 631**Abbey Wood Knee Hill**

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Mileage Update

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ABWDKH	3963	Abbey Wood Road		
	35308	Harrow Manorway / Abbey Wood Station	308	0.19
	33045	Harrow Manorway / Lensbury Way	374	0.23
	34813	Newacres Library	399	0.25
	34918	Carlyle Road / Bentham Road	718	0.45
THMDBR	35918	Titmuss Avenue	250	0.16
	R0748	Southwood Road	306	0.19
	35920	Hawksmoor School	261	0.16
	36667	Gallions Reach Health Centre	289	0.18
THMDTC	BP1582	Thamesmead Town Centre	337	0.21
	New Stop*	Central Way / Thamesmead Town Centre	TBA	TBA
THMDWM	BP1812	Watersmeet Place	TBA	TBA
	BP3113	Grasshaven Way	447	0.28
BMS HPR	R0386	Belmarsh Prison	1165	0.72
	BP2575	Goldfinch Road	122	0.08
	BP2574	Merbury Road	165	0.10
	BP2573	Bluebird Way	264	0.16
	BP2572	Ridge Close	139	0.09
	BP2571	Gallions Park	189	0.12
	BP2570	Widgeon Path	276	0.17
BWTRGW	BP2569	Heronsgate Primary School	222	0.14
	BP2568	Carronade Place	200	0.12
	BP2567	Tom Cribb Road	182	0.11
PLUMSN	36604	Plumstead Road / Plumstead Station	860	0.53
	34579	Greenwich Community College	268	0.17
	8931	Maxey Road	229	0.14
	BP4396	Plumstead Road / Woolwich Public Market	434	0.27
WOOLAS	35483	Woolwich Arsenal Station	280	0.17
	26642	Claydown Mews	464	0.29
	44027	Gunner Lane	260	0.16
	BP297	Woolwich Common	253	0.16
	BP358	Nightingale Vale	168	0.10
	BP5039	Elmdene Road	178	0.11
HBRDPC	27655	Herbert Road / Plumstead Common Road	179	0.11
	27657	Eglinton Road	299	0.19
	27660	Cantwell Road	192	0.12
	27662	Brent Road	302	0.19
	27664	Eaglesfield Road	291	0.18
	27665	Shrewsbury Lane / Foxcroft Road	244	0.15
	BP2373	Shooters Hill / The Bull	253	0.16
SHOOBL	19684	Memorial Hospital	161	0.10
	19686	Red Lion Lane	388	0.24
SHOOPS	3165	Shooters Hill Road / Well Hall Road	401	0.25
	BP2823	Greenwich Heights	690	0.43
WCOMHP	BP2729	Queen Elizabeth Hospital / West Entrance	302	0.19
Total Route Mileage - Back Direction			14253	8.86
			Metres	Miles

*** A proposal exists to locate a new bus stop on Central Way between the Thamesmere Drive roundabout and Twin Tumps Way roundabout ex Abbey Wood, Knee Hill.**
FINAL MILEAGE TO BE CONFIRMED.