

7. Service Specification

Route: 173

Contract Reference: QC49601

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	173
Terminus Points	Beckton Bus Station and Goodmayes, King George Hospital
Contract Basis	Incentivised
Commencement Date	17 th October 2015
Vehicle Type	60 capacity, dual door, single deck, minimum 10.8m long, subject to a satisfactory route test
Current Maximum Approved Dimensions	10.2 metres long and 2.55 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard	Average Excess Wait Time - No more than 1.00 minutes
Extension Threshold	Average Excess Wait Time Threshold - 0.85 minutes
Minimum Operated Mileage Standard	No less than 98.00%

The Date of Tender for this ITT is: No later than 12 Noon on Monday 24th November 2014

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, no changes are proposed to the existing service for introduction prior to the commencement of the new Route Agreement for Route No. 173.

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:

- Mondays to Saturdays daytime frequencies are increased from every 12 minutes to every 10 minutes.
- Sundays and all evenings frequencies are increased from every 20 minutes to every 15 minutes.
- 60 capacity, dual door, single deck, minimum 10.8m long buses are specified, subject to a satisfactory route test.

Tenderers should note that if they are supplying an alternative price based on using existing vehicles, these must be refurbished in line with the revised specification dated 1st March 2014. This applies to all contracts awarded from Tranche 471 onwards.

Operators should provide the following prices:

1. Annual diesel price - based on minimum 5 year contract.
2. Annual hybrid price - based on minimum 5 year contract.
3. Annual hybrid price - with upfront payment of capital difference between diesel and hybrid for 5 year contract.

Cash Free Boarding was extended throughout London from 6th July 2014. Submitted tender prices should fully reflect the cost saving accrued from this change. Tenderers should also indicate the approximate additional cost if cash fares were still to be accepted.

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Beckton Bus Station to Goodmayes, King George Hospital			Goodmayes, King George Hospital to Beckton Bus Station		
First departure no later than 0525.			First departure no later than 0515.		
0520 - 0605	Every 20 minutes		0510 - 0535	Every 20 minutes	
0606 - 0635	Every 15 minutes		0536 - 0635	Every 15 minutes	
0636 - 0700	Every 12 minutes		0636 - 0700	Every 12 minutes	
0701 - 1920	Every 10 minutes		0701 - 1900	Every 10 minutes	
1921 - 2000	Every 12 minutes		1901 - 1940	Every 12 minutes	
2001 - 2350	Every 15 minutes		1941 - 2355	Every 15 minutes	
Last departure no earlier than 2345.			Last departure no earlier than 2350.		
Pinchpoints					
Becontree Heath, Morrisons	0730 - 0900	10 minutes	Dagenham, Chequers Corner	0730 - 0900	10 minutes
	1505 - 1635	10 minutes		1500 - 1630	10 minutes

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Beckton Bus Station to Goodmayes, King George Hospital			Goodmayes, King George Hospital to Beckton Bus Station		
First departure no later than 0525.			First departure no later than 0515.		
0520 - 0645	Every 20 minutes		0510 - 0715	Every 20 minutes	
0646 - 0815	Every 15 minutes		0716 - 0830	Every 15 minutes	
0816 - 0840	Every 12 minutes		0831 - 0855	Every 12 minutes	
0841 - 1850	Every 10 minutes		0856 - 1835	Every 10 minutes	
1851 - 1930	Every 12 minutes		1836 - 1910	Every 12 minutes	
1931 - 2350	Every 15 minutes		1911 - 2355	Every 15 minutes	
Last departure no earlier than 2345.			Last departure no earlier than 2350.		
Pinchpoints					
Becontree Heath, Morrisons	0900 - 1100	10 minutes	Dagenham, Chequers Corner	0920 - 1100	10 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

3.3) SUNDAY AND PUBLIC HOLIDAYS (EXCEPT GOOD FRIDAY AND CHRISTMAS DAY) SCHEDULE REQUIREMENTS & PINCHPOINTS

Beckton Bus Station to Goodmayes, King George Hospital		Goodmayes, King George Hospital to Beckton Bus Station			
First departure no later than 0625.		First departure no later than 0610.			
0620 - 0755	Every 30 minutes	0605 - 0840	Every 30 minutes		
0756 - 0835	Every 20 minutes	0841 - 0900	Every 20 minutes		
0836 - 2350	Every 15 minutes	0901 - 2355	Every 15 minutes		
Last departure no earlier than 2345.		Last departure no earlier than 2350.			
Pinchpoints					
Becontree Heath, Morrisons	0945 - 1130	15 minutes	Dagenham, Chequers Corner	0945 - 1130	15 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) During the Mondays to Fridays PM peak, it is expected that the full resource should be in service from 1430.**
- 4.2) Route No. 173 can suffer from unpredictable traffic delays in the Dagenham and Becontree Heath areas, particularly during Mondays to Fridays peak periods.
- 4.3) Route No. 173 can suffer from disruptions in the Dagenham area during home matches of Dagenham and Redbridge Football Club.
- 4.4) 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. 173 and it is anticipated that some passenger demand for Route No. 173 may shift to this line when it opens. Route No. 173 will be reviewed closer to the opening date.

**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 173: Beckton Bus Station - Goodmayes, King George Hospital

Date of Structural Change: 17 October 2015.

Date of Service Change: 17 October 2015.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Goodmayes, King George Hospital: Beckton Bus Station, Woolwich Manor Way, Newham Way, Beckton Roundabout, Alfred's Way (East Ham And Barking By-Pass), Movers Lane Underpass, Alfred's Way (East Ham And Barking By-Pass), Ripple Road Junction, Ripple Road, Heathway, Wood Lane, Whalebone Lane South, Chadwell Heath High Road, Station Road, Wangey Road, Chadwell Heath High Road, Chadwell Heath Lane, Little Heath, Barley Lane, Private Road In Goodmayes Hospital Grounds.

Towards Beckton Bus Station: Private Road In Goodmayes Hospital Grounds, Barley Lane, Chadwell Heath Lane, Chadwell Heath High Road, Station Road, Wangey Road, Chadwell Heath High Road, Whalebone Lane South, Wood Lane, Heathway, Ripple Road, Ripple Road Junction, Alfred's Way (East Ham And Barking By-Pass), Beckton Roundabout, Newham Way, Newham Way Slip Road, Newham Way, Woolwich Manor Way, Beckton Bus Station.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

BECKTON BUS STATION, NORTH SIDE

Private stand for three buses on Route 173 on north side of bus station on west side of Woolwich Manor Way commencing at a point opposite stop C and extending 38 metres west.

Buses proceed from Beckton Bus Station direct to stand, departing to Beckton Bus Station. Set down in Beckton Bus Station, at stop A (BP5194 - Beckton Bus Station, Last Stop on LOR: 2878 - Tollgate Road) and pick up in Beckton Bus Station, at Stop D (BP5197 - Beckton Bus Station, First Stop on LOR: BP5197 - Beckton Bus Station).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 173 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:	Beckton Station.
OTHER INFORMATION:	Private male and female toilets up to 50m adjacent to stand available at all times.

DAGENHAM, BALLARDS ROAD

Public stand for five buses in Ballards Road (western arm) on east side of central island, commencing at the southern kerbline of Oval Road South and extending 70 metres southwards to the northern kerbline of New Road.

From Beckton Bus Station.

Buses proceed from Ripple Road via New Road and Ballards Road to stand, departing via Ballards Road, Ballards Road (Northern Arm), Ballards Road (Eastern Arm) and New Road to Ripple Road. Set down in Ripple Road, at Stop C (1709 - Chequers Lane / Merrilands Retail Park, Last Stop on LOR: 1709 - Chequers Lane / Merrilands Retail Park) and pick up in Ripple Road, at Stop S (587 - Chequers Lane / Merrilands Retail Park, First Stop on LOR: 587 - Chequers Lane / Merrilands Retail Park).

From Goodmayes, King George Hospital.

Buses proceed from Heathway via New Road and Ballards Road to stand, departing via Ballards Road, Ballards Road (Northern Arm), Ballards Road (Eastern Arm) and New Road to Heathway. Set down in Heathway, at Stop B (1711 - Nutbrowne Road, Last Stop on LOR: 1711 - Nutbrowne Road) and pick up in Heathway, at Stop T (1710 - Nutbrowne Road, First Stop on LOR: 1710 - Nutbrowne 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:	Dagenham, Kent Avenue.

BECONTREE HEATH BUS STATION

Private stand for 4 buses standing abreast in marked bays in bus station on south side of Wood Lane.

From Beckton Bus Station.

Buses proceed from Wood Lane via Becontree Heath Bus Station to stand, departing via Becontree Heath Bus Station to Wood Lane. Set down in Wood Lane, at Stop C (1831 - Morris Road, Last Stop on LOR: 15522 - Heathway) and pick up in Wood Lane, at Stop E (1830 - Morris Road, First Stop on LOR: 1830 - Morris Road).

From Goodmayes, King George Hospital.

Buses proceed from Whalebone Lane South via Wood Lane and Becontree Heath Bus Station to stand, departing via Becontree Heath Bus Station and Wood Lane to Whalebone Lane South. Set down in Whalebone Lane South, at Stop T (20694 - James Avenue, Last Stop on LOR: 20694 - James Avenue) and pick up in Whalebone Lane South, at Stop V (20693 - James Avenue, First Stop on LOR: 20693 - James 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:	Becontree Heath.

CHADWELL HEATH, WANGHEY ROAD (from Beckton Bus Station)

Public stand for three buses on west side of Wanghey Road commencing 6 metres south of No. 8 and extending 35 metres south.

Buses proceed from Wanghey Road direct to stand, departing via Wanghey Road to Chadwell Heath High Road. Set down in Wanghey Road, at Stop F (9805 - Wanghey Road, Last Stop on LOR: 9645 - Herbert Gardens) and pick up in Chadwell Heath High Road, at Stop C (9644 - Chadwell Heath Lane, First Stop on LOR: 9644 - Chadwell Heath 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: Chadwell Heath.

LITTLE HEATH, HAW BUSH (from Beckton Bus Station)

Buses proceed from Chadwell Heath Lane via Little Heath and Barley Lane departing to Chadwell Heath Lane. Set down in Chadwell Heath Lane, at Stop J (FC66 - Little Heath, Last Stop on LOR: FC66 - Little Heath) and pick up in Chadwell Heath Lane, at Stop E (29914 - Little Heath, First Stop on LOR: 29914 - Little Heath).

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

GOODMAYES, KING GEORGE HOSPITAL WEST SIDE

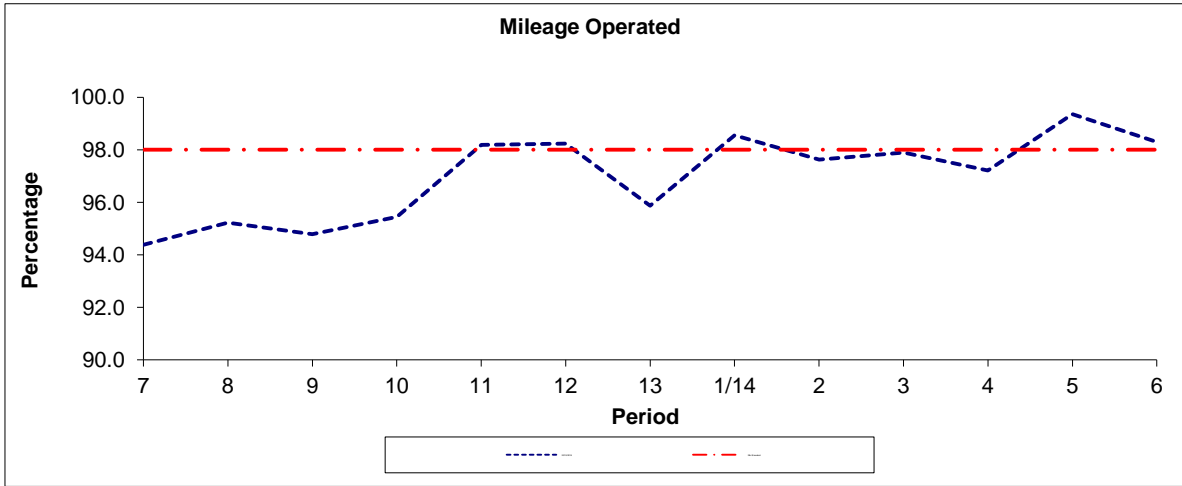
Private stand for two buses on Routes 173 and 362 inside the hospital grounds, on west side of green, commencing 55 metres west of the hospital entrance and extending 22 metres north.

Buses proceed from Private Road In Goodmayes Hospital Grounds direct to stand, departing to Private Road In Goodmayes Hospital Grounds. Set down in Private Road In Goodmayes Hospital Grounds, at Stop X (BP439 - King George Hospital, Last Stop on LOR: BP439 - King George Hospital) and pick up in Private Road In Goodmayes Hospital Grounds, at Stop A (BP281 - King George Hospital, First Stop on LOR: BP281 - King George Hospital).

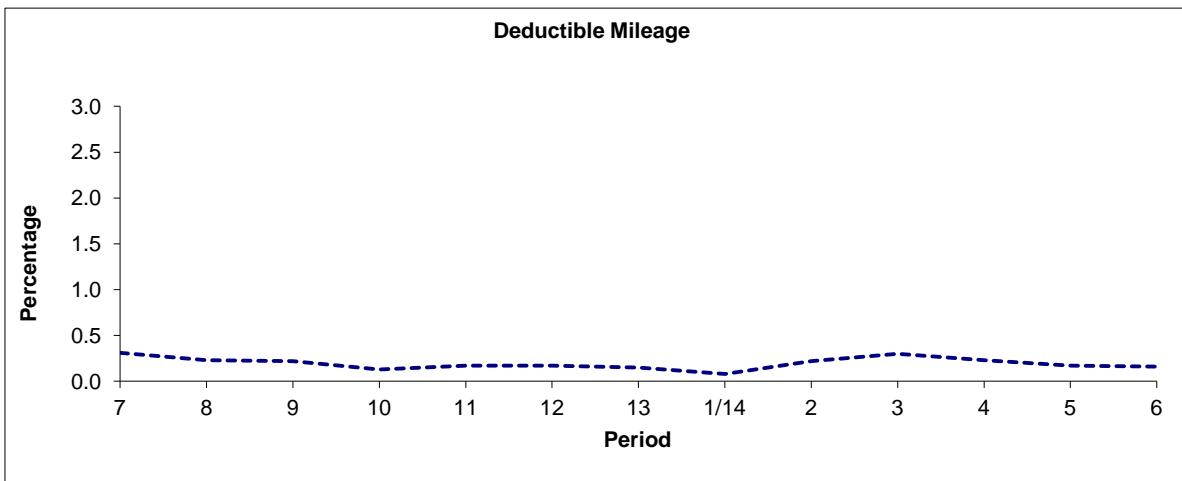
AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route 173 should be scheduled to stand at any one time.
MEAL RELIEFS: No meal relief vehicles to stand at any time.
FERRY VEHICLES: No ferry vehicles to park on stand at any time.
BLIND DISPLAY: King George Hospital.
OTHER INFORMATION: Hospital toilet facilities available 24 hrs a day.

PART B - PERFORMANCE STATISTICS

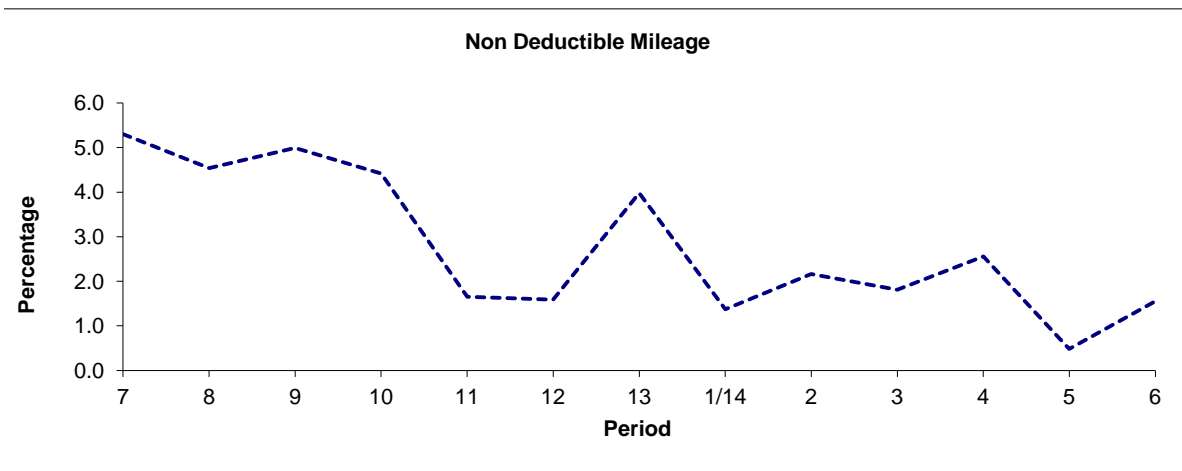
Route 173



Period	7	8	9	10	11	12	13	1/14	2	3	4	5	6
2013/2014	94.39	95.23	94.79	95.45	98.18	98.24	95.87	98.55	97.62	97.89	97.21	99.35	98.29
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	7	8	9	10	11	12	13	1/14	2	3	4	5	6
2013/2014	0.31	0.23	0.22	0.13	0.17	0.17	0.15	0.08	0.22	0.30	0.23	0.17	0.16

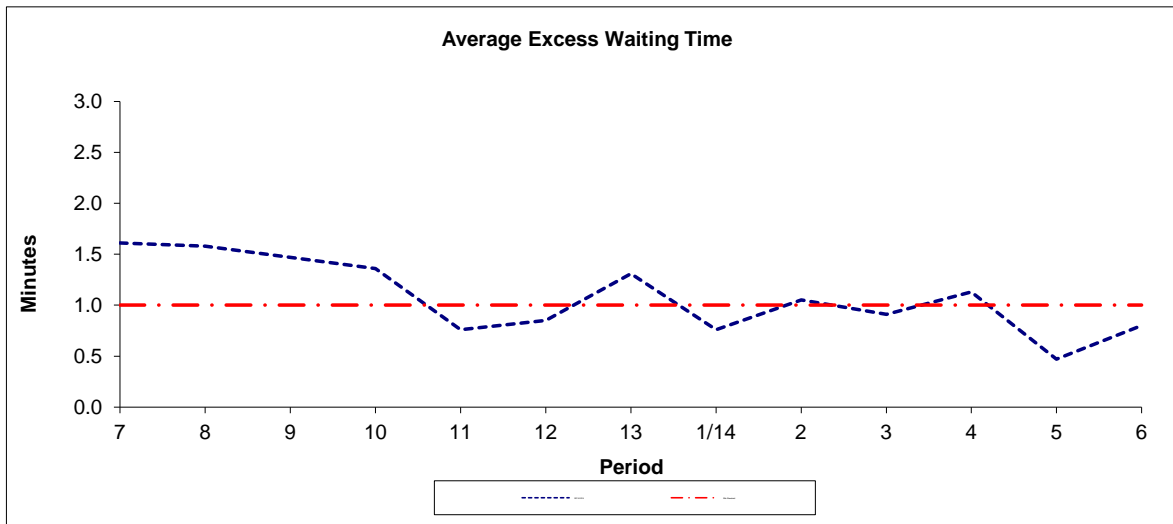


Period	7	8	9	10	11	12	13	1/14	2	3	4	5	6
2013/2014	5.30	4.54	4.99	4.42	1.65	1.59	3.98	1.37	2.16	1.81	2.56	0.48	1.55

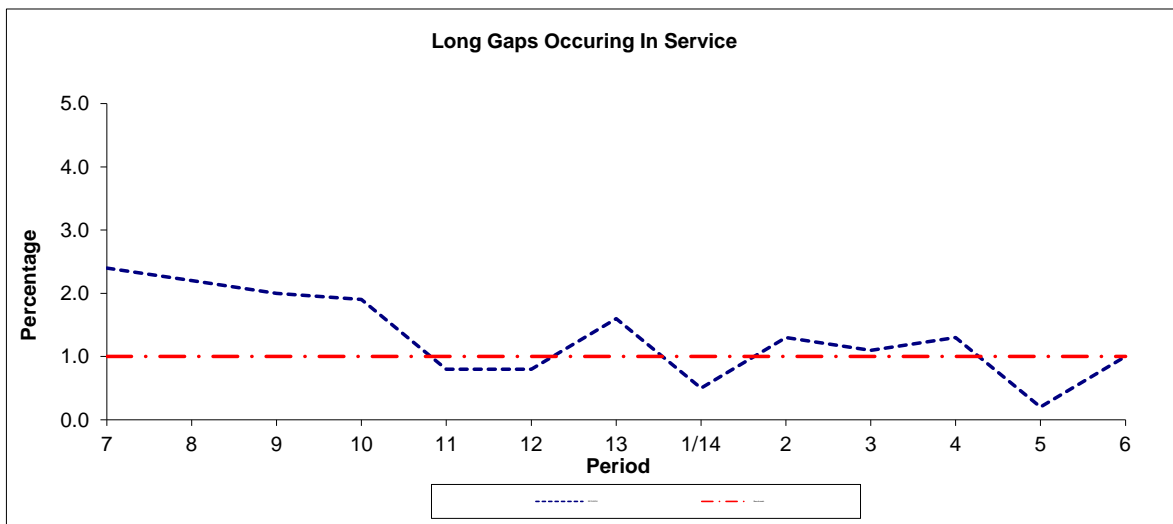
Note : Mileage is based on 4 weeks data

PART B - PERFORMANCE STATISTICS

Route 173



Period	7	8	9	10	11	12	13	1/14	2	3	4	5	6
2013-2014	1.61	1.58	1.47	1.36	0.76	0.85	1.31	0.76	1.05	0.91	1.13	0.47	0.80
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	7	8	9	10	11	12	13	1/14	2	3	4	5	6
2013-2014	2.4	2.2	2.0	1.9	0.8	0.8	1.6	0.5	1.3	1.1	1.3	0.2	1.0
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.

**ROUTE 173 - FULL iBUS RESULTS BY TIME OF DAY
 QUARTER 3 13/14 TO QUARTER 2 14/15 (14/09/13 - 12/09/14)**

MONDAY - FRIDAY

Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (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)
0500 - 0700	17,166.	99.7	8.50	0.21	8.71	69.4	28.8	1.8	0.1	1.0	66
0700 - 1000	50,128.	96.8	5.86	0.92	6.77	77.0	20.8	1.8	0.3	1.0	65
1000 - 1300	47,750.	98.9	5.98	0.73	6.71	76.9	21.9	1.1	0.2	0.5	50
1300 - 1600	47,443.	98.0	5.90	1.10	7.00	74.6	22.5	2.3	0.6	1.5	89
1600 - 1900	46,260.	92.5	6.00	2.11	8.11	67.5	26.3	5.1	1.1	3.2	85
1900 - 2200	39,415.	98.1	7.09	1.10	8.19	65.0	30.7	3.8	0.5	1.1	59
2200 - 2400	18,967.	98.5	9.77	0.21	9.98	52.9	42.5	4.4	0.2	0.0	50
Summary	267,129.	97.1	6.30	1.18	7.49	71.6	24.9	2.9	0.6	1.5	89

SATURDAY

Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (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)
0500 - 0700	2,969.	100.3	10.00	0.25	10.25	57.0	37.8	4.8	0.4	1.2	43
0700 - 1000	8,998.	98.4	6.83	0.69	7.52	72.7	25.7	1.3	0.2	0.3	47
1000 - 1300	10,334.	96.6	5.91	0.75	6.66	76.6	22.1	1.2	0.1	0.5	45
1300 - 1600	9,950.	95.6	5.98	1.54	7.52	71.1	25.0	3.5	0.4	1.7	50
1600 - 1900	10,027.	97.5	5.93	1.04	6.98	75.2	22.7	1.8	0.3	1.0	56
1900 - 2200	7,216.	98.8	7.99	0.91	8.90	59.0	35.1	5.3	0.7	0.7	68
2200 - 2400	3,933.	101.4	9.93	0.15	10.08	52.8	43.0	4.2	0.0	0.0	42
Summary	53,427.	97.7	6.58	0.98	7.56	70.8	26.3	2.6	0.3	0.9	68

SUNDAY AND BANK HOLIDAYS

Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (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)
0500 - 0700	1,030.	101.3	14.71	0.06	14.78	60.4	18.3	19.1	2.2	11.7	40
0700 - 1000	5,607.	98.2	11.86	0.39	12.26	45.3	40.1	13.1	1.4	0.0	63
1000 - 1300	6,772.	100.1	9.61	0.43	10.04	51.8	41.5	6.1	0.6	0.1	46
1300 - 1600	6,635.	99.7	9.89	0.52	10.41	50.4	41.9	6.8	0.9	0.1	53
1600 - 1900	6,700.	99.7	9.91	0.29	10.20	50.3	43.6	5.8	0.2	0.0	50
1900 - 2200	6,535.	99.9	9.96	0.30	10.26	50.1	43.8	5.8	0.3	0.0	47
2200 - 2400	4,171.	100.1	9.95	0.15	10.10	52.2	43.2	4.5	0.2	0.0	42
Summary	37,450.	99.7	10.10	0.37	10.47	50.4	42.1	6.9	0.6	0.2	63

ALL DAYS

Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (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)
0500 - 0700	21,165.	99.8	8.90	0.21	9.11	67.7	29.4	2.8	0.2	1.4	66
0700 - 1000	64,733.	97.1	6.22	0.87	7.09	75.2	22.2	2.3	0.4	0.9	65
1000 - 1300	64,856.	98.6	6.37	0.70	7.07	74.1	24.1	1.7	0.2	0.4	50
1300 - 1600	64,028.	97.8	6.32	1.11	7.43	71.6	24.8	3.0	0.6	1.4	89
1600 - 1900	62,987.	94.1	6.36	1.83	8.19	66.7	27.5	4.8	1.0	2.6	85
1900 - 2200	53,166.	98.4	7.52	0.99	8.51	62.6	32.7	4.2	0.5	0.9	68
2200 - 2400	27,071.	99.2	9.81	0.20	10.01	52.8	42.7	4.4	0.2	0.0	50
Summary	358,006.	97.5	6.69	1.08	7.77	69.5	26.7	3.2	0.5	1.3	89

Transport for London -QSI Points and Live Mileage List

Route 173
 Service change 29192
 Date 11/07/2012

Reason for Issue

QSI Points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BCKTBS	BP5197	Beckton Bus Station		
	36835	Tollgate Road	347	0.22
	BP186	Albatross Close	195	0.12
	BP4283	Masefield Gardens	457	0.28
EBECNW	18329	North Circular Road	633	0.39
	BP4247	Jenkins Lane	680	0.42
	BP4056	King Edwards Road	694	0.43
	BP4055	Movers Lane and River Road	519	0.32
RIPRTH	33514	Ripple Road	949	0.59
	BP4382	Lodge Avenue	282	0.18
	18340	Renwick Road	561	0.35
	20880	Castle Green Recreation Ground	354	0.22
	4283	Gale Street / Goresbrook Leisure Centre	409	0.25
	18341	Dagenham Leisure Park	306	0.19
	4303	Pooles Lane	349	0.22
DAGMCQ	1709	Chequers Lane / Merrilands Retail Park	541	0.34
	1710	Nutbrowne Road	279	0.17
	15469	Arnold Road	293	0.18
	R0175	Hedgemans Road	418	0.26
DGHYSN	16970	Dagenham Heathway Station	290	0.18
	BP2818	Holgate Road	219	0.14
	14693	Halbutt Street	259	0.16
	18343	Eastfield Road	284	0.18
	14951	Oxlow Lane	162	0.10
	18345	Connor Road	421	0.26
	15522	Heathway	434	0.27
BCONMR	1831	Wood Lane / Morrisons	233	0.14
	20693	James Avenue	403	0.25
	R0320	Stanley Avenue	305	0.19
	16484	Chadwell Heath High Road	666	0.41
	BP2661	Farrance Road	252	0.16
CHADSY	18025	St Chad's Road	280	0.17
	4298	Japan Road	252	0.16
	9645	Herbert Gardens	170	0.11
	9644	Chadwell Heath Lane	311	0.19
	FC63	Hall Road	423	0.26
	FC64	Somerville Road	357	0.22
	33036	Grove Road	226	0.14
	FC66	Little Heath	478	0.30
GOODKG	BP439	King George Hospital	844	0.52
Total Route Mileage - Out Direction			15535 metres	9.65 miles

TRANCHE 496

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
GOODKG	BP281	King George Hospital		
	29914	Little Heath	771	0.48
	FC67	Haywards Close	446	0.28
	FC68	Grove Road	210	0.13
	FC69	Hawkridge Close	466	0.29
	9645	Herbert Gardens	535	0.33
	9644	Chadwell Heath Lane	311	0.19
CHADSY	18026	St Chad's Road	399	0.25
	R0590	Chadwell Heath High Road	581	0.36
	16485	Stanley Avenue	587	0.36
	20694	James Avenue	400	0.25
BCONMR	1830	Wood Lane / Morrisons	471	0.29
	LE224	Oglethorpe Road	458	0.28
	18346	Connor Road	195	0.12
	14952	Oxlow Lane	190	0.12
	18344	Eastfield Road	255	0.16
	14694	Halbutt Street	432	0.27
	2290	Reede Road	212	0.13
DGHYSN	20822	Dagenham Heathway Station	280	0.17
	14119	Church Elm Lane	231	0.14
	15470	Arnold Road	448	0.28
	1711	Nutbrowne Road	271	0.17
DAGMCQ	587	Chequers Lane / Merrilands Retail Park	183	0.11
	R0068	Pooles Lane	752	0.47
	18342	Dagenham Leisure Park	234	0.15
	4282	Gale Street / Goresbrook Leisure Centre	551	0.34
	20881	Castle Green / Rippleside Commercial Est	347	0.22
DX GR	R0067	Renwick Road	281	0.17
	BP4381	Lodge Avenue	551	0.34
RIPRTH	33515	Ripple Road	189	0.12
	BP4191	Movers Lane and River Road	901	0.56
	BP4052	River Road	348	0.22
	BP4057	King Edwards Road	194	0.12
	BP4248	North Circular Road	784	0.49
EBECNW	BP4249	Beckton Triangle Retail Park	755	0.47
	BP4282	Woolwich Manor Way	613	0.38
	2880	Albatross Close	291	0.18
	2878	Tollgate Road	296	0.18
BCKTBS	BP5194	Beckton Bus Station	304	0.19
Total Route Mileage - Back Direction			15723 metres	9.77 miles