

## 7. Service Specification

**Route: 56**

**Contract Reference: QC46902**

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.

<b>Terminus Points</b>	Whipps Cross Roundabout and St. Bartholomew's Hospital
<b>Contract Basis</b>	Incentivised
<b>Commencement Date</b>	28 <sup>th</sup> February 2015
<b>Vehicle Type</b>	87 capacity, dual door, double deck buses
<b>Current Maximum Approved Dimensions</b>	10.1 metres long and 2.5 metres wide
<b>New Vehicles Mandatory</b>	Yes
<b>Hybrid Price Required</b>	Yes
<b>Sponsored Route</b>	No
<b>Advertising Rights</b>	Operator
<b>Minimum Performance Standard</b>	Average Excess Wait Time - No more than 1.30 minutes
<b>Extension Threshold</b>	Average Excess Wait Time Threshold - 1.15 minutes
<b>Minimum Operated Mileage Standard</b>	No less than 98.00%

The Date of Tender for this ITT is: No later than 12 Noon on Monday 7<sup>th</sup> April 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. 56.

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. 56.

### **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.

*All tender prices should be based on the gross fuel cost exclusive of BSOG payments which will not be claimable from DfT after 1<sup>st</sup> October 2013.*

**It is anticipated that Cashless Boarding will be extended throughout London at some stage during the lifetime of this contract. Tenderers are required to identify and submit the level of saving that could be achieved if the scheme is introduced.**

### 3) SCHEDULE REQUIREMENTS & PINCHPOINTS

#### 3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Whipps Cross Roundabout to St. Bartholomew's Hospital			St. Bartholomew's Hospital to Whipps Cross Roundabout		
First departure no later than 0405.			First departure no later than 0450.		
0400 - 0505	Every 20 minutes		0445 - 0550	Every 20 minutes	
0506 - 0535	Every 15 minutes		0551 - 0620	Every 15 minutes	
0536 - 0555	Every 10 minutes		0621 - 0640	Every 10 minutes	
0556 - 0615	Every 8 minutes		0641 - 0655	Every 8 minutes	
0616 - 1830	Every 6-7 minutes (9 buses per hour)		0656 - 1930	Every 6-7 minutes (9 buses per hour)	
1831 - 1900	Every 7 minutes		1931 - 2000	Every 7 minutes	
1901 - 2400	Every 8 minutes		2001 - 0035	Every 8 minutes	
First departure no earlier than 2355.			First departure no earlier than 0030.		
<b>Pinchpoints</b>					
Islington, Angel, High Street	0740 - 0910	7 minutes	Leyton, Lea Bridge Road/ Markhouse Road	0735 - 0905	7 minutes
	1510 - 1640	7 minutes		1505 - 1635	7 minutes

#### 3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Whipps Cross Roundabout to St. Bartholomew's Hospital			St. Bartholomew's Hospital to Whipps Cross Roundabout		
First departure no later than 0405.			First departure no later than 0450.		
0400 - 0545	Every 20 minutes		0445 - 0630	Every 20 minutes	
0546 - 0615	Every 15 minutes		0631 - 0700	Every 15 minutes	
0616 - 0650	Every 12 minutes		0701 - 0735	Every 12 minutes	
0651 - 0800	Every 10 minutes		0736 - 0835	Every 10 minutes	
0801 - 0825	Every 8 minutes		0836 - 0900	Every 8 minutes	
0826 - 1830	Every 6-7 minutes (9 buses per hour)		0901 - 1930	Every 6-7 minutes (9 buses per hour)	
1831 - 1900	Every 7 minutes		1931 - 2000	Every 7 minutes	
1901 - 2400	Every 8 minutes		2001 - 0035	Every 8 minutes	
First departure no earlier than 2355.			First departure no earlier than 0030.		
<b>Pinchpoints</b>					
Islington, Angel, High Street	0840 - 1010	7 minutes	Leyton, Lea Bridge Road/ Markhouse Road	0835 - 1005	7 minutes

**3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued**

**3.3) SUNDAY AND PUBLIC HOLIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS**

Whipps Cross Roundabout to St. Bartholomew's Hospital		St. Bartholomew's Hospital to Whipps Cross Roundabout	
First departure no later than 0405.		First departure no later than 0450.	
0400 - 0605	Every 20 minutes	0445 - 0650	Every 20 minutes
0606 - 0650	Every 15 minutes	0651 - 0735	Every 15 minutes
0651 - 0800	Every 12 minutes	0736 - 0810	Every 12 minutes
0801 - 0900	Every 10 minutes	0811 - 0900	Every 10 minutes
0901 - 2400	Every 8 minutes	0901 - 0035	Every 8 minutes
First departure no earlier than 2355.		First departure no earlier than 0030.	
<b>Pinchpoints</b>			
Islington, Angel, High Street	0840 - 1010	8 minutes	Leyton, Lea Bridge Road/ Markhouse Road
			0835 - 1005
			8 minutes

**4) OPERATIONAL CONSIDERATIONS**

- 4.1) Route No. 56 should be separated from Route No. 4 between Islington Angel, High Street and Barbican Station during all periods, where possible
- 4.2) Route No. 56 can suffer from unpredictable traffic delays in the Angel and Barbican areas.

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

- 5.1) ROUTE RECORD  
As per Busnet print out.
- 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 56: Whipps Cross Roundabout - St Bartholomew'S Hospital

**Date of Structural Change:** 28 February 2015.

**Date of Service Change:** 28 February 2015.

**Reason for Issue:** New Tender.

#### **STREETS TRAVERSED**

**Towards St Bartholomew's Hospital:** Whipps Cross Road, Whipps Cross Roundabout, Whipps Cross, Lea Bridge Road, Lower Clapton Road, Downs Road, Cricketfield Road, Pembury Road, Dalston Lane, Balls Pond Road, Essex Road, Islington Green, Upper Street, Islington High Street, City Road, Wakley Street, Goswell Road, Aldersgate Street, Museum Of London Roundabout, St Martin's Le Grand, Newgate Street, Old Bailey, Giltspur Street, West Smithfield.

**Towards Whipps Cross Roundabout:** West Smithfield, Giltspur Street, Newgate Street, King Edward Street, Little Britain, Montague Street, Museum Of London Roundabout, Aldersgate Street, Goswell Road, City Road Bus Lane Slip Road, City Road, Islington High Street, Upper Street, Islington Green, Essex Road, Balls Pond Road, Dalston Lane, Pembury Road, Cricketfield Road, Downs Road, Lower Clapton Road, Lea Bridge Road, Whipps Cross, Whipps Cross Roundabout, Whipps Cross 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.

### **WHIPPS CROSS ROUNDABOUT**

Public stand for four buses in layby on south west side of roundabout.

Buses proceed from Whipps Cross Road direct to stand, departing to Whipps Cross Road. Set down in Whipps Cross Road, at Stop D (33943 - Whipps Cross Roundabout, Last Stop on LOR: 33943 - Whipps Cross Roundabout) and pick up in Whipps Cross Road, at Stop D (33943 - Whipps Cross Roundabout, First Stop on LOR: 33943 - Whipps Cross Roundabout).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 vehicles on Route No. 56 should be scheduled to stand at any 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:	Whipps Cross.
OTHER INFORMATION:	London Buses automated toilet facilities available 24 hours a day.

### **LEYTON, BAKERS ARMS (from ST BARTHOLOMEW'S HOSPITAL)**

Buses proceed from Lea Bridge Road via Bromley Road, Capworth Street and High Road Leyton departing to Lea Bridge Road. Set down in Lea Bridge Road, at Stop EC (20932 - High Road Leyton / Bakers Arms, Last Stop on LOR: 20932 - High Road Leyton / Bakers Arms) and pick up in Lea Bridge Road, at Stop WH (4759 - High Road Leyton / Bakers Arms, First Stop on LOR: 4759 - High Road Leyton / Bakers Arms).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	<b>Turning Point Only - Buses must not stand</b>
BLIND DISPLAY:	Leyton, Bakers Arms.

## **CLAPTON POND, LOWER CLAPTON ROAD (from ST BARTHOLOMEW'S HOSPITAL)**

Public stand for one bus on west side of Lower Clapton Road, commencing 20 metres south of the roundabout at Kenninghall Road and extending 10 metres south.

Buses proceed from Lower Clapton Road direct to stand, departing via Lower Clapton Road and Lower Clapton Road (northbound) to Lower Clapton Road. Set down in Lower Clapton Road, at Stop L (192 - Lea Bridge Roundabout, Last Stop on LOR: 192 - Lea Bridge Roundabout) and pick up in Lower Clapton Road, at Stop E (1011 - Clapton Pond, First Stop on LOR: 1011 - Clapton Pond).

AVAILABILITY:	Available from 19:00 until 07:00 only. Buses on Route 56 must not use this stand outside these times.
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:	Clapton Pond.
OTHER INFORMATION:	To be used before 0700 and after 1900 Mondays to Saturdays and at any time on Sundays.

## **CLAPTON POND, EAST SIDE (from ST BARTHOLOMEW'S HOSPITAL)**

Public stand in 2 portions on north and east sides of Clapton Pond.

1. For 4 buses on the west side of Lower Clapton Road (eastern arm) commencing at a point 10 metres south of Newick Road and extending 48 metres south.

2. For 1 bus on the south side of Newick Road, between the two arms of Lower Clapton Road, commencing at a point 12 metres east of Lower Clapton Road and extending 19 metres east.

Buses proceed from Lower Clapton Road direct to stand, departing via Lower Clapton Road and Downs Road to Cricketfield Road. Set down in Lower Clapton Road, at Stop L (192 - Lea Bridge Roundabout, Last Stop on LOR: 192 - Lea Bridge Roundabout) and pick up in Cricketfield Road, at Stop J (17900 - Cricketfield Road, First Stop on LOR: 17900 - Cricketfield Road).

AVAILABILITY:	Available from 05:00 until 19:00 only. Buses on Route 56 must not use this stand outside these times.
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:	Clapton Pond.



## **MILDMAY PARK**

Public stand for three buses on south side of Dove Road, commencing at a point 52.4 metres east of Essex Road and extending 38.8 metres east.

### From St Bartholomew's Hospital.

Buses proceed from Balls Pond Road via Southgate Road and Dove Road to stand, departing via Dove Road to Essex Road. Set down in Balls Pond Road, at Stop CC (2638 - Mildmay Park / Southgate Road, Last Stop on LOR: 2638 - Mildmay Park / Southgate Road) and pick up in Essex Road, at Stop CG (2636 - Essex Road / Marquess Road, First Stop on LOR: 2636 - Essex Road / Marquess Road).

### From Whipps Cross Roundabout.

Buses proceed from Balls Pond Road via Southgate Road and Dove Road to stand, departing via Dove Road and Essex Road to Balls Pond Road. Set down in Balls Pond Road, BH (913 - Southgate Road, Last Stop on LOR: 913 - Southgate Road) and pick up in Balls Pond Road, at Stop CC (2638 - Mildmay Park / Southgate Road, First Stop on LOR: 2638 - Mildmay Park / Southgate 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:	Mildmay Park.

## **ISLINGTON GREEN, ESSEX ROAD (from ST BARTHOLOMEW'S HOSPITAL)**

Public stand north west of Essex Road commencing 50m north of junction with Upper Street.

Buses proceed from Upper Street via Islington Green to stand, departing via Islington Green, Essex Road and Cross Street to Upper Street. Set down in Upper Street, at stop X (4716 - Angel Station <>, Last Stop on LOR: 4716 - Angel Station <>) and pick up in Upper Street, at stop G (36601 - Angel Station <>, First Stop on LOR: 36601 - Angel Station <>).

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:	Islington Green.

### **ISLINGTON, ANGEL (GOSWELL ROAD) (from Whipps Cross Roundabout)**

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 to Goswell Road. Set down in City Road, at Stop H (363 - Angel Islington / City Road, Last Stop on LOR: 363 - Angel Islington / City Road) and pick up in Goswell Road, at Stop UT (37646 - Angel Islington, First Stop on LOR: 37646 - Angel Islington).

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: Islington Angel.

### **BARBICAN, MUSEUM OF LONDON (from Whipps Cross Roundabout)**

Buses proceed from Aldersgate Street via Museum Of London Roundabout departing to Aldersgate Street. Set down in Aldersgate Street, at stop BD (8548 - Museum Of London, Last Stop on LOR: 8548 - Museum Of London) and pick up in Aldersgate Street, at stop BC (8547 - Museum Of London, First Stop on LOR: 8547 - Museum Of London).

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

### **ST BARTHOLEMES HOSPITAL**

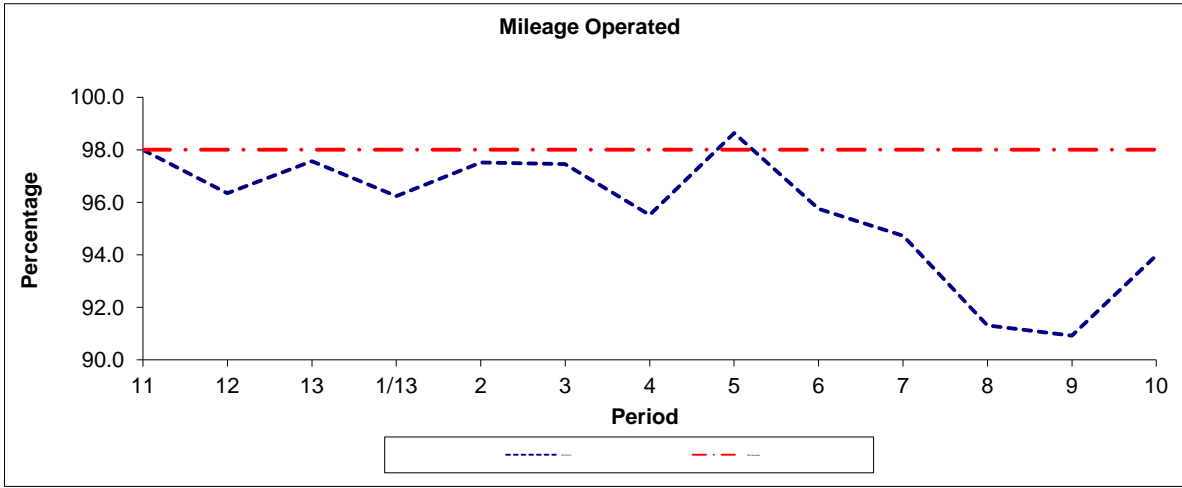
Public stand for two buses on south east side of West Smithfield, commencing opposite Hosier Lane and extending 24 metres north east.

Buses proceed from West Smithfield direct to stand, departing to West Smithfield. Set down in West Smithfield, at Stop HQ (37644 - St Bartholomew's Hospital, Last Stop on LOR: 37644 - St Bartholomew's Hospital) and pick up in West Smithfield, at Stop HQ (37644 - St Bartholomew's Hospital, First Stop on LOR: 37644 - St Bartholomew's Hospital).

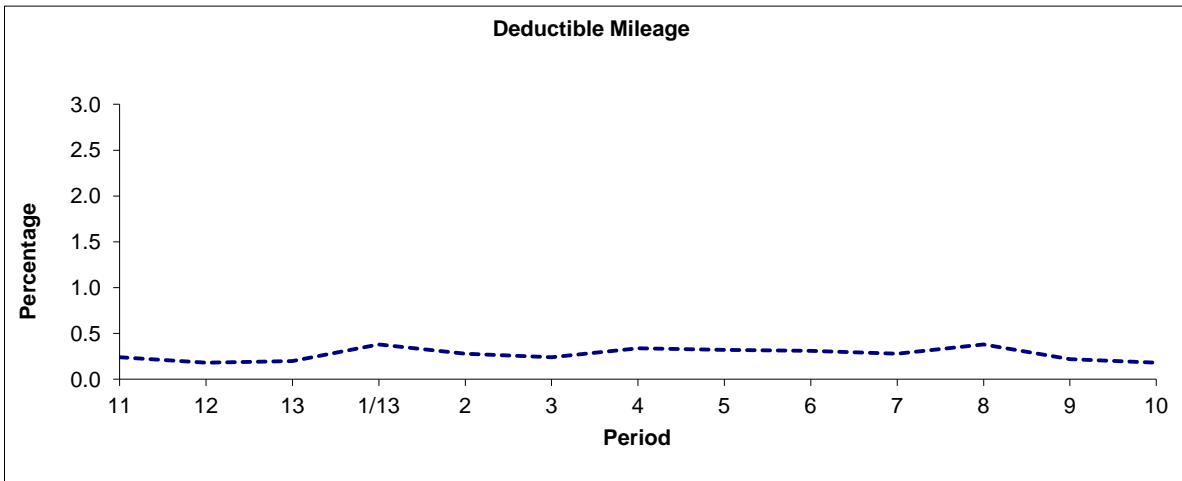
AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: No more than 2 buses on Route 56 should be scheduled to stand at any one time.  
MEAL RELIEFS: No meal relief vehicles to stand at any time.  
FERRY VEHICLES: No ferry vehicles to park on stand at any time.  
BLIND DISPLAY: St Bartholomew's Hospital.  
OTHER INFORMATION: Toilets facilities available (Corporation of London).

**PART B - PERFORMANCE STATISTICS**

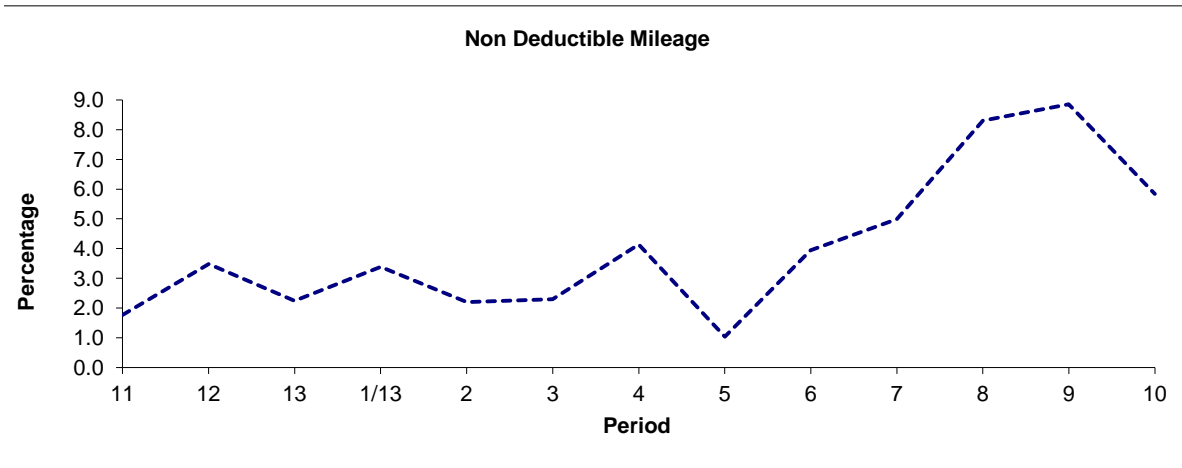
**Route 56**



Period	11	12	13	1/13	2	3	4	5	6	7	8	9	10
2012/2013	97.99	96.34	97.56	96.24	97.52	97.46	95.52	98.64	95.75	94.73	91.31	90.92	93.98
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	11	12	13	1/13	2	3	4	5	6	7	8	9	10
2012/2013	0.24	0.18	0.20	0.38	0.28	0.24	0.34	0.32	0.31	0.28	0.38	0.22	0.18

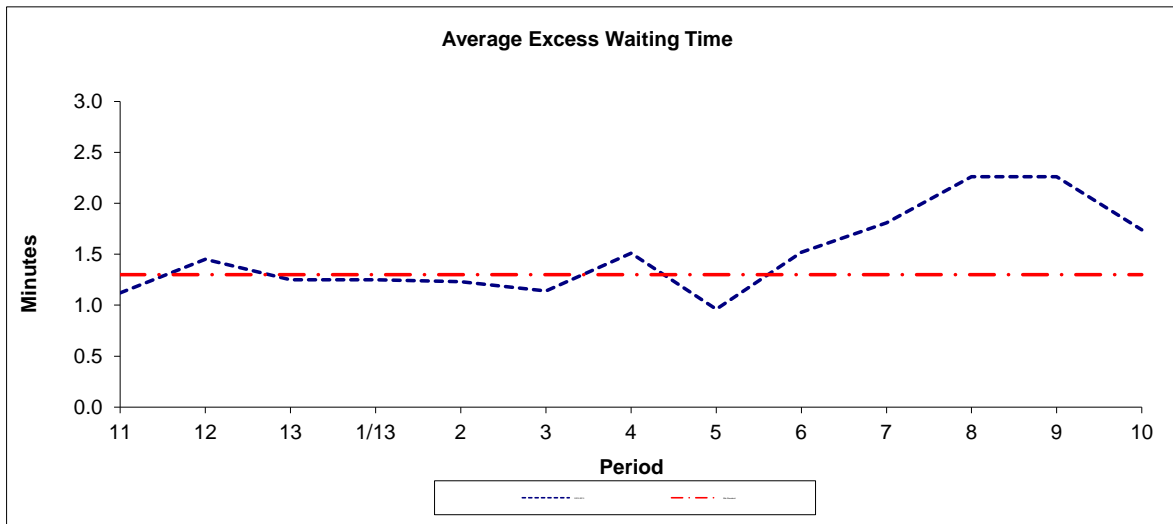


Period	11	12	13	1/13	2	3	4	5	6	7	8	9	10
2012/2013	1.77	3.48	2.24	3.38	2.20	2.30	4.14	1.04	3.94	4.99	8.31	8.86	5.84

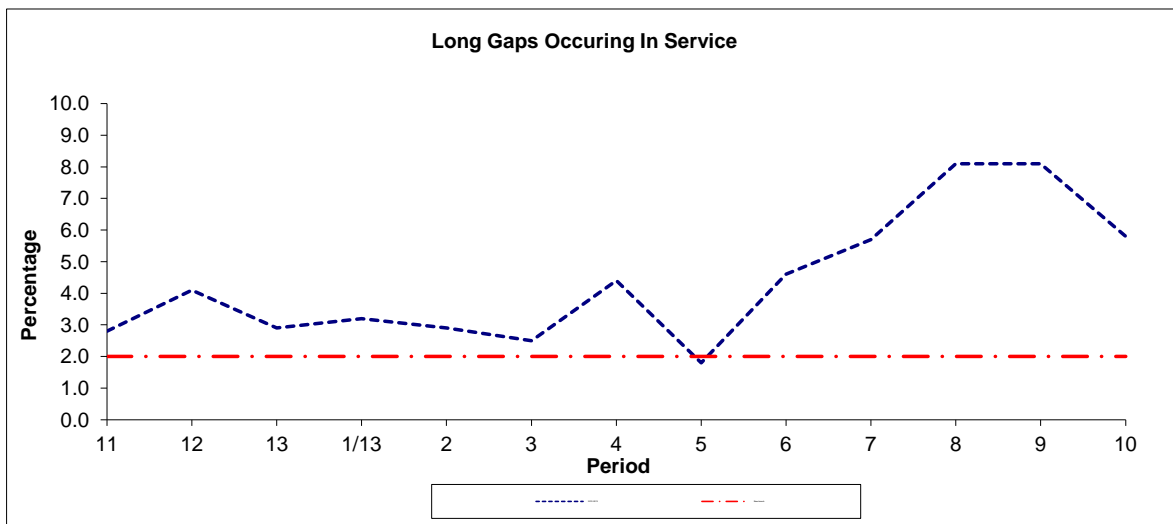
**Note :** Mileage is based on 4 weeks data

**PART B - PERFORMANCE STATISTICS**

**Route 56**



Period	11	12	13	1/13	2	3	4	5	6	7	8	9	10
2012-2013	1.12	1.45	1.25	1.25	1.23	1.14	1.51	0.96	1.52	1.81	2.26	2.26	1.74
Min Standard	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30



Period	11	12	13	1/13	2	3	4	5	6	7	8	9	10
2012-2013	2.8	4.1	2.9	3.2	2.9	2.5	4.4	1.8	4.6	5.7	8.1	8.1	5.8
Benchmark	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

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

**ROUTE 56 - FULL iBUS RESULTS BY TIME OF DAY**  
**QUARTER 4 12/13 TO QUARTER 3 13/14 (05/01/13 - 03/01/14)**

**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	33,900.	95.8	6.23	<b>0.56</b>	6.79	80.0	18.7	1.3	0.1	0.1	45
0700 - 1000	92,046.	95.2	3.42	<b>1.19</b>	4.60	90.6	8.8	0.5	0.0	3.2	42
1000 - 1300	93,735.	94.1	3.34	<b>1.47</b>	4.81	89.3	9.9	0.7	0.1	4.3	43
1300 - 1600	94,435.	94.1	3.32	<b>1.54</b>	4.86	88.6	10.5	0.8	0.1	4.8	52
1600 - 1900	93,058.	92.6	3.36	<b>1.77</b>	5.13	86.8	11.8	1.2	0.1	5.9	42
1900 - 2200	80,382.	95.0	3.81	<b>1.66</b>	5.47	85.3	13.2	1.2	0.2	4.4	71
2200 - 2400	51,758.	99.4	4.02	<b>1.17</b>	5.19	89.1	10.3	0.6	0.0	2.0	39
<b>Summary</b>	<b>539,314.</b>	<b>94.8</b>	<b>3.53</b>	<b>1.48</b>	<b>5.01</b>	<b>88.1</b>	<b>11.0</b>	<b>0.9</b>	<b>0.1</b>	<b>4.4</b>	<b>71</b>

**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	4,822.	97.4	8.81	<b>0.46</b>	9.27	61.0	35.4	3.3	0.3	0.1	64
0700 - 1000	15,224.	96.7	4.37	<b>0.84</b>	5.21	89.0	10.6	0.4	0.0	0.9	62
1000 - 1300	19,404.	96.6	3.34	<b>1.03</b>	4.38	92.4	7.2	0.4	0.0	2.5	35
1300 - 1600	19,278.	90.3	3.35	<b>1.87</b>	5.22	85.4	13.2	1.2	0.2	6.5	48
1600 - 1900	19,123.	88.6	3.38	<b>2.00</b>	5.38	84.9	13.1	1.7	0.3	7.3	61
1900 - 2200	16,891.	87.6	3.77	<b>2.59</b>	6.36	77.4	19.1	2.9	0.6	9.1	50
2200 - 2400	10,682.	94.2	4.02	<b>1.88</b>	5.91	83.1	15.2	1.5	0.2	4.2	47
<b>Summary</b>	<b>105,424.</b>	<b>92.4</b>	<b>3.70</b>	<b>1.63</b>	<b>5.33</b>	<b>85.7</b>	<b>12.9</b>	<b>1.3</b>	<b>0.2</b>	<b>5.1</b>	<b>64</b>

**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	4,913.	100.8	9.50	<b>0.27</b>	9.77	55.9	39.9	4.1	0.0	0.0	40
0700 - 1000	14,038.	97.1	5.33	<b>0.57</b>	5.90	85.0	14.6	0.4	0.0	0.2	32
1000 - 1300	18,654.	96.5	3.92	<b>1.03</b>	4.95	89.6	9.6	0.7	0.1	2.0	38
1300 - 1600	17,446.	91.8	4.00	<b>1.94</b>	5.93	81.5	16.3	1.9	0.3	5.1	50
1600 - 1900	17,976.	88.3	3.98	<b>2.14</b>	6.13	80.4	17.0	2.3	0.3	6.0	46
1900 - 2200	17,905.	93.8	3.99	<b>2.04</b>	6.03	81.6	16.5	1.8	0.1	5.1	41
2200 - 2400	12,122.	101.2	4.02	<b>0.69</b>	4.71	93.3	6.6	0.1	0.0	0.7	29
<b>Summary</b>	<b>103,054.</b>	<b>94.6</b>	<b>4.21</b>	<b>1.57</b>	<b>5.78</b>	<b>83.6</b>	<b>14.7</b>	<b>1.5</b>	<b>0.2</b>	<b>3.8</b>	<b>50</b>

**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	43,635.	96.6	6.71	<b>0.53</b>	7.24	76.5	21.8	1.7	0.1	0.1	64
0700 - 1000	121,308.	95.6	3.59	<b>1.13</b>	4.72	90.2	9.2	0.5	0.0	2.9	62
1000 - 1300	131,793.	94.8	3.40	<b>1.35</b>	4.75	89.9	9.4	0.6	0.1	3.7	43
1300 - 1600	131,159.	93.2	3.39	<b>1.63</b>	5.03	87.4	11.5	1.0	0.1	5.1	52
1600 - 1900	130,157.	91.4	3.42	<b>1.83</b>	5.25	86.0	12.5	1.4	0.2	6.1	61
1900 - 2200	115,178.	93.7	3.82	<b>1.82</b>	5.64	83.9	14.3	1.5	0.2	5.1	71
2200 - 2400	74,562.	99.0	4.02	<b>1.19</b>	5.21	88.9	10.4	0.7	0.1	2.1	47
<b>Summary</b>	<b>747,792.</b>	<b>94.4</b>	<b>3.61</b>	<b>1.51</b>	<b>5.12</b>	<b>87.3</b>	<b>11.5</b>	<b>1.0</b>	<b>0.1</b>	<b>4.4</b>	<b>71</b>

Transport for London - QSI Points and Live Mileage List

v2.0 - Mileage directly imported from Caesar

Route 56  
 Service change 32845  
 Date 15/06/2013

TRANCHE 469

Reason for Issue	Mileage Update
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QSI Points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
WHPCRA	33943	Whipps Cross Roundabout		
	14272	Whipps Cross / Wood Street	230	0.14
	14270	Peterborough Road	269	0.17
	14266	Essex Road	217	0.13
	14264	Fraser Road	213	0.13
	10469	Lea Bridge Road / Bakers Arms	272	0.17
LEYTBAW	4759	High Road Leyton / Bakers Arms	125	0.08
	14262	Shortlands Road	290	0.18
	14258	Manor Road	270	0.17
LEYTLM	4760	Markhouse Road	343	0.21
	14252	Emmanuel Parish Church	391	0.24
	14245	Perth Road	277	0.17
	3219	Argall Way	195	0.12
	20668	Lea Valley Riding Centre	528	0.33
	14242	Lee Valley Ice Centre	216	0.13
	3217	Chatsworth Road	289	0.18
	14241	Wattisfield Road	303	0.19
	20727	Lea Bridge Roundabout	294	0.18
CLTNKR	1011	Clapton Pond	260	0.16
	17900	Cricketfield Road	296	0.18
	17899	Pembury Road / Downs Park Road	342	0.21
	17896	Hackney Downs Station / Dalston Lar	350	0.22
	2725	Cecilia Road / Greenacre Court	459	0.29
	779	Graham Road	267	0.17
DALSJC	320	Dalston Junction	416	0.26
	2640	Balls Pond Road / Burder Road	229	0.14
	913	Southgate Road	363	0.23
	905	Essex Road / Newington Green Road	220	0.14
	2636	Essex Road / Marquess Road	187	0.12
	2632	Northchurch Road	303	0.19
	14920	Essex Road Station	409	0.25
	793	Cross Street	441	0.27
	2626	Packington Street	197	0.12
	791	Islington Green	188	0.12
ISLNHS	36601	Angel Station	332	0.21
	363	Angel Islington / City Road	287	0.18
	8385	Hall Street	423	0.26
	8387	Spencer Street	128	0.08
	8389	Percival Street	132	0.08
	8391	Pear Tree Street	256	0.16
	8392	Clerkenwell Road	135	0.08
	8394	Baltic Street West	184	0.11
BARBSN	2286	Barbican Station	160	0.10
	8548	Museum Of London	294	0.18
	BP3442	St Paul's Station	453	0.28
BARTHHP	37644	St Bartholomew's Hospital	419	0.26
Total Route Mileage - Out Direction			12852	7.99
			12852	7.99

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BARTHHP	37644	St Bartholomew's Hospital		
	8586	King Edward Street	307	0.19
	BP5594	Little Britain	311	0.19
	8547	Museum Of London	183	0.11
BARBSN	2287	Barbican Station	186	0.12
	8393	Clerkenwell Road / Old Street	277	0.17
	8390	Goswell Road / Great Sutton Street	160	0.10
	8388	Percival Street	229	0.14
	8386	Spencer Street	229	0.14
	37646	Angel Islington	396	0.25
ISLNHS	4716	Angel Station	450	0.28
	790	Islington Green	341	0.21
	2627	Packington Street	219	0.14
	792	Cross Street	206	0.13
	26591	Essex Road Station	151	0.09
	2633	Northchurch Road	425	0.26
	2637	Ockendon Road	308	0.19
	2638	Mildmay Park / Southgate Road	473	0.29
	2639	Culford Road	228	0.14
	13506	Kingsland High Street	346	0.21
DALSJC	14219	Dalston Lane / Dalston Junction Static	176	0.11
	780	Graham Road	339	0.21
	2724	Cecilia Road / Greenacre Court	306	0.19
	17897	Hackney Downs Station	373	0.23
	17898	Pembury Road / Downs Park Road	457	0.28
	1010	Clapton Pond	458	0.28
CLTNKR	192	Lea Bridge Roundabout	188	0.12
	195	Lea Bridge Road / Upper Clapton Road	354	0.22
	14240	Wattisfield Road	200	0.12
	3218	Chatsworth Road	280	0.17
	4750	Lee Valley Ice Centre	392	0.24
	20669	Lee Valley Riding Centre	319	0.20
	3220	Argall Way	242	0.15
	25133	Perth Road	358	0.22
	R0474	Emmanuel Parish Church	236	0.15
LEYTLM	R0473	Markhouse Road	264	0.16
	14257	Rochdale Road	406	0.25
	14261	Shortlands Road	370	0.23
LEYTBAW	20932	High Road Leyton / Bakers Arms	255	0.16
	10468	Lea Bridge Road / Bakers Arms	219	0.14
	14265	Leyton Green Road	286	0.18
	14267	Shernhall Street	191	0.12
	14269	Peterborough Road	244	0.15
	14271	Whipps Cross / Wood Street	216	0.13
WHPCRA	33943	Whipps Cross Roundabout	418	0.26
Total Route Mileage - Back Direction			12972	8.06
			12972	8.06