

## 7. Service Specification

Route: 54 QC44101

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>	Elmers End Station to Woolwich, Plumstead Road
<b>Contract Basis</b>	Incentivised
<b>Commencement Date</b>	3 <sup>rd</sup> May 2014
<b>Vehicle Type</b>	87 capacity, dual door, double deck buses
<b>Current Maximum Approved Dimensions</b>	10.8 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 1.00 minutes.
<b>Extension Threshold</b>	Average excess wait time - No more than 0.85 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 Tuesday 28<sup>th</sup> May 2013**

*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. 54.

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 Fridays peak and interpeak frequencies are increased from every 12 minutes to every 10 minutes.
- The Boxing Day service should match the Sunday service.
- **Tenderers must identify the cost of the Boxing Day element of this service separately.**

Operators should provide the following prices:

- Annual diesel price – based on minimum 5 year contract.
- Annual hybrid price – based on minimum 5 year contract.
- Annual hybrid price – based on minimum 7 year contract.
- Annual hybrid price – with upfront payment of capital difference between diesel and hybrid for 5 year contract.
- Annual hybrid price – with upfront payment of capital difference between diesel and hybrid for 7 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 1st October 2013.**

### 3) SCHEDULE REQUIREMENTS & PINCHPOINTS

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

Elmers End Station to Woolwich, Plumstead Road			Woolwich, Plumstead Road to Elmers End Station		
First departure no later than 0500			First departure no later than 0420		
0455 - 0600	Every 15 minutes		0415 - 0535	Every 15 minutes	
0601 - 0635	Every 12 minutes		0536 - 0550	Every 12 minutes	
0636 - 1925	Every 10 minutes		0551 - 1930	Every 10 minutes	
1926 - 2000	Every 12 minutes		1931 - 2005	Every 12 minutes	
2001 - 0110	Every 15 minutes		2006 - 0025	Every 15 minutes	
Last departure no earlier than 0105			Last departure no earlier than 0020		
<b>Pinchpoints</b>					
Blackheath, Royal Standard	0745 - 0845	10 minutes	Beckenham Junction Station	0715 - 0915	10 minutes
	1450 - 1650	10 minutes		1520 - 1620	10 minutes

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

Elmers End Station to Woolwich, Plumstead Road			Woolwich, Plumstead Road to Elmers End Station		
First departure no later than 0500			First departure no later than 0420		
0455 - 0800	Every 15 minutes		0415 - 0805	Every 15 minutes	
0801 - 1900	Every 12 minutes		0806 - 1845	Every 12 minutes	
1901 - 0110	Every 15 minutes		1846 - 0025	Every 15 minutes	
Last departure no earlier than 0105			Last departure no earlier than 0020		
<b>Pinchpoints</b>					
Blackheath, Royal Standard	0910 - 1035	12 minutes	Beckenham Junction Station	0950 - 1120	12 minutes

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

Elmers End Station to Woolwich, Plumstead Road			Woolwich, Plumstead Road to Elmers End Station		
First departure no later than 0615			First departure no later than 0605		
0610 - 0110	Every 15 minutes		0600 - 0025	Every 15 minutes	
Last departure no earlier than 0105			Last departure no earlier than 0020		
<b>Pinchpoints</b>					
Blackheath, Royal Standard	1020 - 1150	15 minutes	Beckenham Junction Station	1005 - 1135	15 minutes

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

**4) OPERATIONAL CONSIDERATIONS**

- 4.1) Route No. 54 can suffer unpredictable traffic delays in the Woolwich and Catford areas.

**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 54: Elmers End Station - Woolwich, Plumstead Road

**Date of Structural Change:** 3 May 2014.

**Date of Service Change:** 3 May 2014.

**Reason for Issue:** New Tender.

### **STREETS TRAVERSED**

**Towards Woolwich, Plumstead Road:** Bus Standing Area, St. Margarets Road, Elmers End Road, Croydon Road, Beckenham War Memorial, Beckenham High Street, Southend Road, Beckenham Hill Road, Bromley Road, Rushey Green, Lewisham High Street, Molesworth Street, Lewisham High Street, Lewis Grove, Lee Bridge, Belmont Hill, Lee Terrace, Lee Road, Blackheath Village, Tranquil Vale, Royal Parade, Montpelier Row, Prince Charles Road, Shooters Hill Road, Prince Charles Road, Charlton Way, Vanbrugh Park, Westcombe Hill, Charlton Road, The Village, Charlton Park Road, Little Heath, Hillreach, Artillery Place, Wellington Street, Thomas Street, Woolwich New Road, Vincent Road, Burrage Road, Plumstead Road.

**Towards Elmers End Station:** Plumstead Road, Woolwich New Road, Thomas Street, Wellington Street, Artillery Place, Hillreach, Little Heath, Charlton Park Road, The Village, Charlton Road, Vanbrugh Park, Charlton Way, Prince Charles Road, Shooters Hill Road, Prince Charles Road, Montpelier Row, Montpelier Vale, Blackheath Village, Lee Road, Lee Terrace, Belmont Hill, Lee Bridge, Lewis Grove, Lewisham High Street, Rushey Green, Bromley Road, Beckenham Hill Road, Southend Road, Beckenham High Street, Beckenham War Memorial, Croydon Road, Upper Elmers End Road, Elmerside Road, Croydon Road, Elmers End Road, St. Margarets Road, Bus Standing Area.

## **AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS**

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

### **ELMERS END STATION**

Private stand for four buses in two portions in western arm of private road adjacent to Elmers End Station.

1 - For 2 buses in marked cage on west side of western arm extending 25 metres;

2 - For 2 buses in marked cage on east side of western arm extending 20 metres.  
Buses proceed from Bus Standing Area direct to stand, departing to Bus Standing Area.  
Set down in Bus Standing Area, AP (BP5556 - Elmers End Interchange # >t<, Last Stop on LOR: BP5556 - Elmers End Interchange # >t<) and pick up in Bus Standing Area, A (BP5555 - Elmers End Interchange # >t<, First Stop on LOR: BP5555 - Elmers End Interchange # >t<).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 54 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:	Elmers End.
OTHER INFORMATION:	Toilet facilities available..

## **BECKENHAM JUNCTION STATION**

Private stand in slip road on station forecourt extending 15 metres .

### From Elmers End Station.

Buses proceed from Croydon Road via Beckenham War Memorial and Rectory Road to stand, departing via Rectory Road to Beckenham High Street. Set down in Croydon Road, at Stop T (R0860 - Croydon Road / War Memorial, Last Stop on LOR: R0860 - Croydon Road / War Memorial) and pick up in Beckenham High Street, at Stop D (BP671 - Beckenham Junction Station # >t<, First Stop on LOR: BP671 - Beckenham Junction Station # >t<).

### From Woolwich, Plumstead Road.

Buses proceed from Beckenham High Street via Beckenham War Memorial and Rectory Road to stand, departing via Rectory Road to Southend Road. Set down in Beckenham High Street, at Stop R (1428 - Beckenham High Street / War Memorial, Last Stop on LOR: 1428 - Beckenham High Street / War Memorial) and pick up in Southend Road, R (18789 - Copers Cope Road, First Stop on LOR: 18789 - Copers Cope 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:	Beckenham Junction.

## **BECKENHAM WAR MEMORIAL (from WOOLWICH, PLUMSTEAD ROAD)**

Buses proceed from Beckenham High Street via Beckenham War Memorial departing to Beckenham High Street. Set down in Beckenham High Street, at Stop R (1428 - Beckenham High Street / War Memorial, Last Stop on LOR: 1428 - Beckenham High Street / War Memorial) and pick up in Beckenham High Street, at Stop P (1427 - Beckenham High Street / War Memorial, First Stop on LOR: 1427 - Beckenham High Street / War Memorial).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	<b>Turning Point Only - Buses must not stand</b>
BLIND DISPLAY:	Beckenham, War Memorial.

## **CATFORD TOWN HALL (from WOOLWICH, PLUMSTEAD ROAD)**

Buses proceed from Rushey Green via Brownhill Road, Plassy Road and Sangley Road departing to Rushey Green. Set down in Rushey Green, at Stop HT (26279 - Rosenthal Road, Last Stop on LOR: 26279 - Rosenthal Road) and pick up in Rushey Green, at Stop A (R0567 - The Catford Centre, First Stop on LOR: R0567 - The Catford Centre).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	<b>Turning Point Only - Buses must not stand</b>
BLIND DISPLAY:	Catford, Town Centre.



## **CATFORD TOWN HALL (from Elmers End Station)**

Buses proceed from Bromley Road via Rushey Green, Brownhill Road, Plassy Road and Sangley Road departing to Bromley Road. Set down in Bromley Road, at Stop W (14625 - Bromley Road / Lewisham Town Hall, Last Stop on LOR: 14625 - Bromley Road / Lewisham Town Hall) and pick up in Bromley Road, at Stop Y (23410 - Bromley Road / Lewisham Town Hall, First Stop on LOR: 23410 - Bromley Road / Lewisham Town Hall).

AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**  
BLIND DISPLAY: Catford, Town Centre.

## **LEWISHAM BUS STATION**

Private stand for up to 16 buses in Lewisham Bus Station on north side of Loampit Vale on east side of Lewisham DLR Station.

### From Elmers End Station.

Buses proceed from Lewis Grove via Lee Bridge, Lewisham High Street, Loampit Vale Roundabout, Lewisham Road, Station Road and Lewisham Bus Station to stand, departing via Lewisham Bus Station, Station Road, Loampit Vale, Loampit Vale Roundabout, Lewisham High Street, Lee Bridge and Lewis Grove to Lewisham High Street. Set down in Station Road, at Alighting Point (BP814 - Lewisham Bus Station, Last Stop on LOR: BP1114 - Lewisham Centre) and pick up in Lewisham High Street, at Stop W (BP1116 - Lewisham Centre, First Stop on LOR: BP1116 - Lewisham Centre).

### From Woolwich, Plumstead Road.

Buses proceed from Lee Bridge via Lewisham High Street, Loampit Vale Roundabout, Lewisham Road, Station Road and Lewisham Bus Station to stand, departing via Lewisham Bus Station, Station Road, Loampit Vale, Loampit Vale Roundabout, Lewisham High Street and Lee Bridge to Belmont Hill. Set down in Station Road, at Alighting Point (BP814 - Lewisham Bus Station, Last Stop on LOR: 18778 - Lockmead Road) and pick up in Belmont Hill, at Stop K (18779 - Lockmead Road, First Stop on LOR: 18779 - Lockmead 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: Lewisham Station.

## **BLACKHEATH VILLAGE, ROYAL PARADE**

Public stand for 2 buses on north side of Royal Parade commencing 9 metres east of lamp standard No. 6 and extending 21.3 metres west.

### From Elmers End Station.

Buses proceed from Blackheath Village via Tranquil Vale and Royal Parade to stand, departing via Royal Parade and Montpelier Vale to Blackheath Village. Set down in Blackheath Village, at stop C (33777 - Blackheath Station #, Last Stop on LOR: 33777 - Blackheath Station #) and pick up in Blackheath Village, at stop E (34268 - Blackheath Station #, First Stop on LOR: 34268 - Blackheath Station #).

### From Woolwich, Plumstead Road.

Buses proceed from Prince Charles Road via Montpelier Row, Montpelier Vale, Tranquil Vale and Royal Parade to stand, departing to Royal Parade. Set down in Prince Charles Road, at stop J (18773 - The Clarendon Hotel, Last Stop on LOR: 18773 - The Clarendon Hotel) and pick up in Royal Parade, at stop G (19565 - Royal Parade, First Stop on LOR: 19565 - Royal Parade).

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:	Blackheath Village.

## **BLACKHEATH, ROYAL STANDARD, CHARLTON ROAD (from Elmers End Station)**

Public offside stand for 2 buses on north side of Charlton Road (southern arm) commencing 7.8 metres west of lamp standard No. 03J0288 and extending 25 metres east. Buses proceed from Charlton Road direct to stand, departing via Charlton Road to Vanbrugh Park. Set down in Charlton Road, at Stop BB (35453 - Blackheath / Royal Standard, Last Stop on LOR: 19622 - Vanbrugh Park / Beaconsfield Road) and pick up in Vanbrugh Park, at Stop BL (20453 - Vanbrugh Park / Stratheden Road, First Stop on LOR: 20453 - Vanbrugh Park / Stratheden 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:	Blackheath, Royal Standard.

## **WOOLWICH, PLUMSTEAD ROAD**

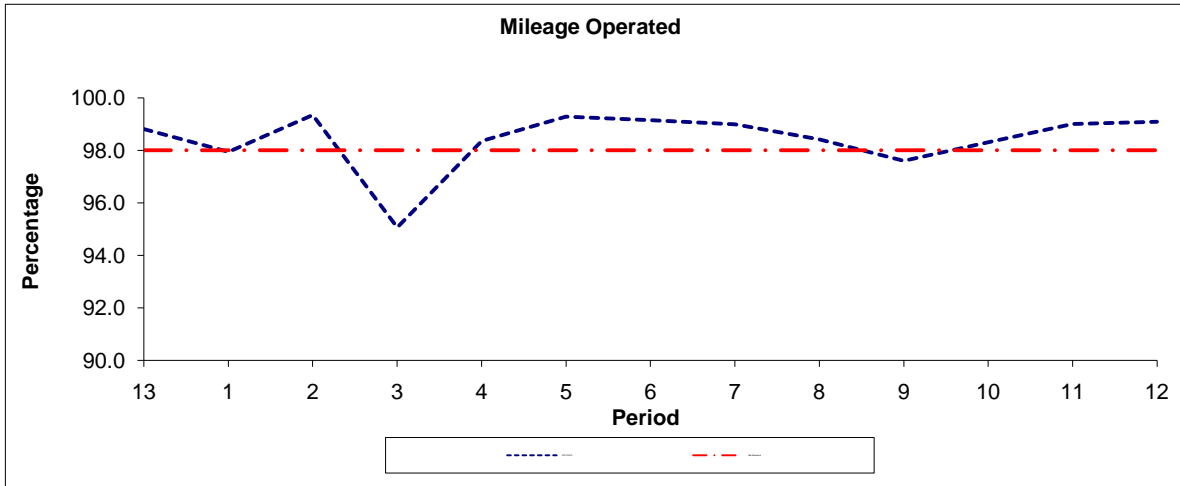
Public stand for two buses on south side of Plumstead Road, commencing 29 metres west of lamp standard 21AA1136 extending 26 metres east.

Buses proceed from Plumstead Road direct to stand, departing to Plumstead Road. Set down in Plumstead Road, at stop ZA (37316 - Plumstead Road / Burrage Road, Last Stop on LOR: 37316 - Plumstead Road / Burrage Road) and pick up in Plumstead Road, at stop Z (BP4396 - Plumstead Road / Woolwich Public Market, First Stop on LOR: BP4396 - Plumstead Road / Woolwich Public Market).

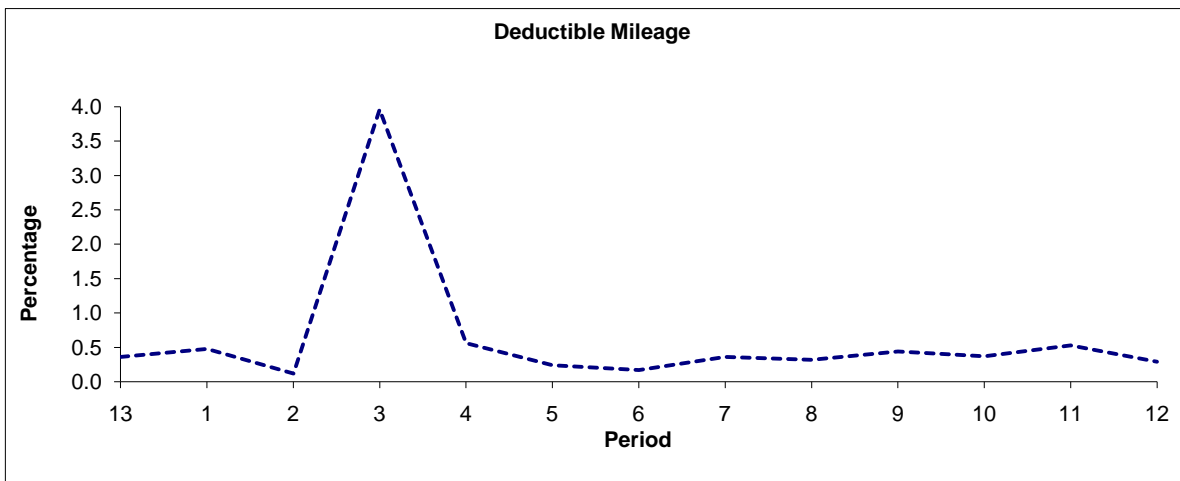
AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 54 should be scheduled to stand at any one time.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Woolwich.

**PART B - PERFORMANCE STATISTICS**

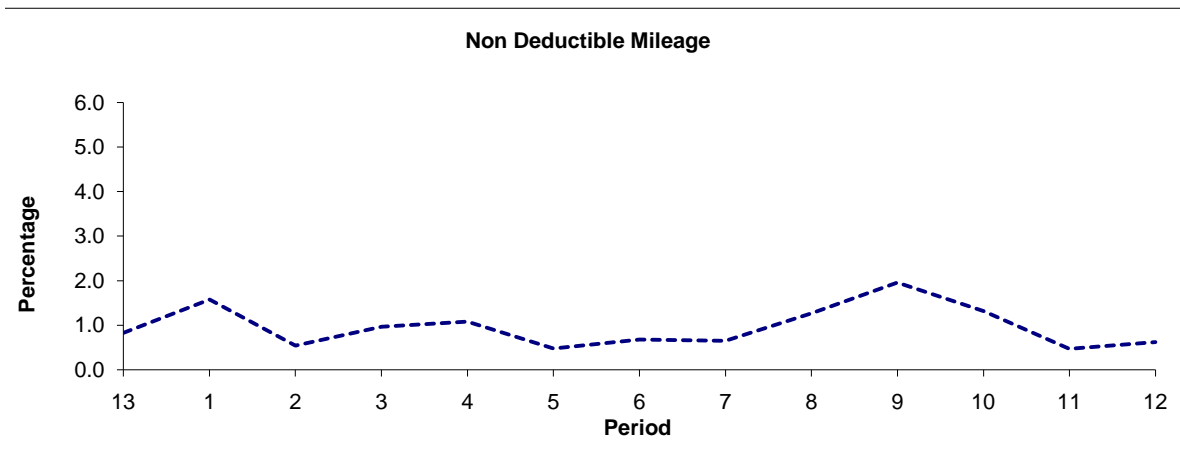
**Route 54**



Period	13	1	2	3	4	5	6	7	8	9	10	11	12
2011/2012	98.81	97.94	99.34	95.07	98.36	99.28	99.15	98.99	98.41	97.60	98.31	99.00	99.09
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	13	1	2	3	4	5	6	7	8	9	10	11	12
2011/2012	0.36	0.48	0.12	3.96	0.56	0.24	0.17	0.36	0.32	0.44	0.37	0.53	0.29

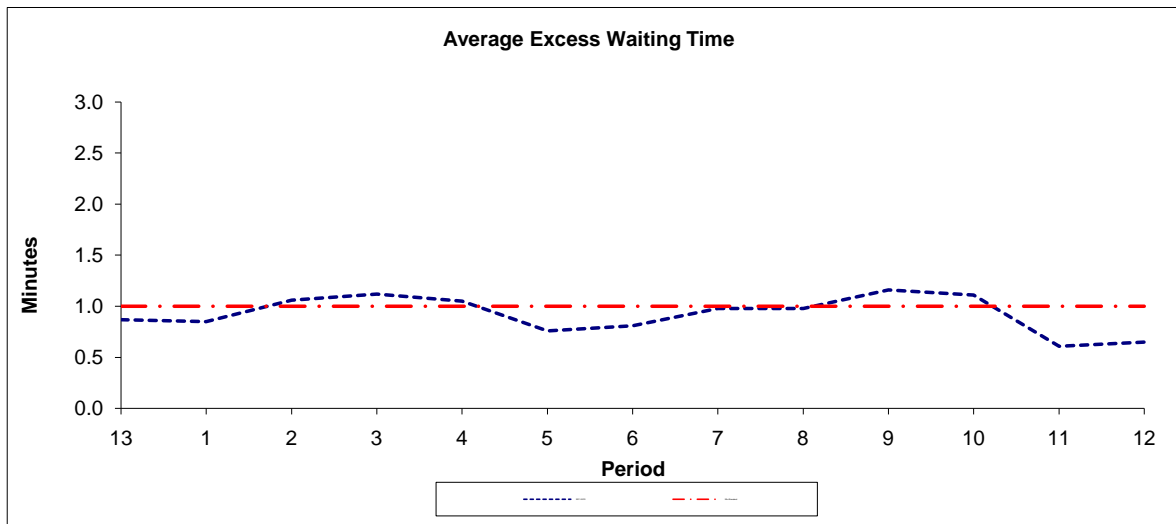


Period	13	1	2	3	4	5	6	7	8	9	10	11	12
2011/2012	0.83	1.58	0.54	0.97	1.08	0.48	0.68	0.65	1.27	1.96	1.32	0.47	0.62

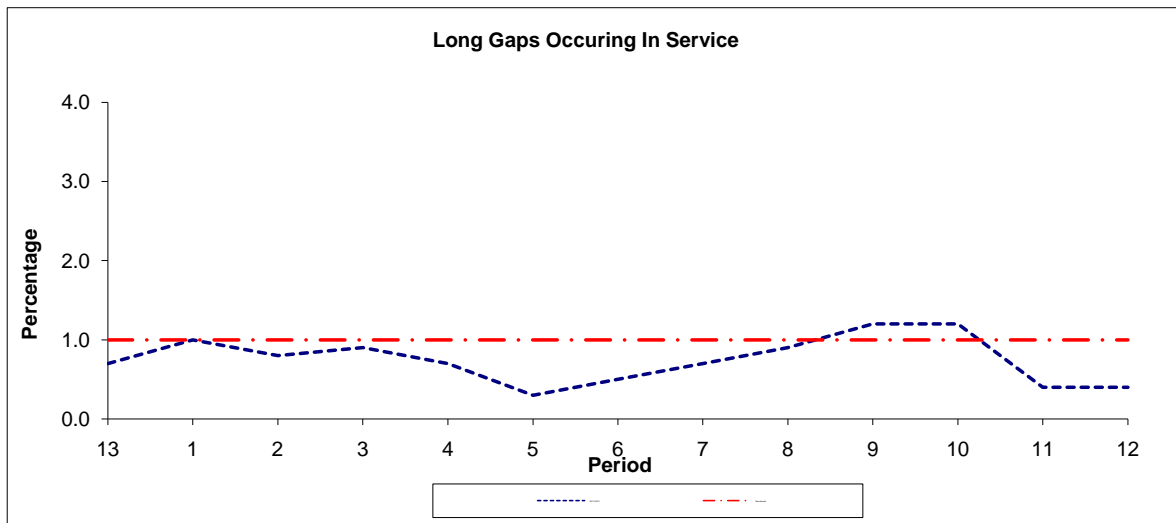
**Note :** Mileage is based on 4 weeks data  
 Performance affected by industrial action in p3 2012/13.

**PART B - PERFORMANCE STATISTICS**

**Route 54**



Period	13	1	2	3	4	5	6	7	8	9	10	11	12
2011-2012	0.87	0.85	1.06	1.12	1.05	0.76	0.81	0.98	0.98	1.16	1.11	0.61	0.65
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	13	1	2	3	4	5	6	7	8	9	10	11	12
2011-2012	0.70	1.00	0.80	0.90	0.70	0.30	0.50	0.70	0.90	1.20	1.20	0.40	0.40
Benchmark	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

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

**ROUTE 54 - FULL iBUS RESULTS BY TIME OF DAY**  
**QUARTER 4 2011/12 TO QUARTER 3 2012/13 (07/01/12 - 04/01/13)**

**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	30,703.	97.3	6.61	<b>0.44</b>	7.05	75.6	23.8	0.6	0.0	0.1	45
0700 - 1000	55,611.	97.8	5.81	<b>0.79</b>	6.60	77.9	20.8	1.2	0.2	0.6	59
1000 - 1300	52,652.	98.7	5.98	<b>0.87</b>	6.85	75.6	22.7	1.4	0.3	0.7	69
1300 - 1600	53,011.	98.0	5.94	<b>1.15</b>	7.09	74.0	23.6	2.1	0.3	1.0	69
1600 - 1900	53,219.	97.7	5.94	<b>1.41</b>	7.35	73.0	23.9	2.5	0.6	1.5	66
1900 - 2200	45,958.	100.9	6.59	<b>0.87</b>	7.46	70.3	27.5	1.9	0.3	0.6	79
2200 - 2400	28,527.	98.4	7.48	<b>0.47</b>	7.95	65.8	32.9	1.2	0.2	0.2	46
<b>Summary</b>	<b>319,681.</b>	<b>98.4</b>	<b>6.08</b>	<b>1.01</b>	<b>7.09</b>	<b>74.1</b>	<b>23.8</b>	<b>1.8</b>	<b>0.3</b>	<b>0.9</b>	<b>79</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	5,595.	99.5	7.59	<b>0.25</b>	7.85	65.7	33.6	0.6	0.0	0.0	32
0700 - 1000	10,403.	97.8	6.54	<b>0.54</b>	7.08	74.4	24.8	0.6	0.2	0.3	74
1000 - 1300	10,916.	98.6	6.03	<b>0.81</b>	6.84	75.7	22.8	1.4	0.1	0.6	59
1300 - 1600	10,830.	100.0	6.00	<b>0.94</b>	6.94	75.6	22.8	1.5	0.2	0.6	49
1600 - 1900	10,923.	98.3	6.03	<b>0.91</b>	6.94	75.3	22.8	1.6	0.3	0.9	65
1900 - 2200	8,727.	100.8	7.13	<b>0.74</b>	7.87	66.4	31.3	1.8	0.5	0.6	51
2200 - 2400	5,961.	97.3	7.48	<b>0.79</b>	8.26	64.2	33.4	1.8	0.6	0.6	70
<b>Summary</b>	<b>63,355.</b>	<b>98.9</b>	<b>6.32</b>	<b>0.81</b>	<b>7.13</b>	<b>73.6</b>	<b>24.8</b>	<b>1.4</b>	<b>0.2</b>	<b>0.6</b>	<b>74</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	2,274.	101.7	7.45	<b>-0.09</b>	7.36	76.7	22.3	0.8	0.2	0.5	39
0700 - 1000	9,334.	98.7	7.52	<b>0.40</b>	7.92	65.5	33.1	1.2	0.2	0.2	42
1000 - 1300	9,558.	98.0	7.35	<b>0.72</b>	8.07	65.2	32.1	2.3	0.5	0.5	72
1300 - 1600	9,729.	99.1	7.39	<b>1.06</b>	8.45	64.1	31.4	4.0	0.6	0.6	55
1600 - 1900	9,849.	99.0	7.41	<b>0.66</b>	8.08	65.8	32.0	2.0	0.3	0.3	67
1900 - 2200	9,656.	101.1	7.43	<b>0.54</b>	7.97	65.7	32.5	1.5	0.2	0.3	49
2200 - 2400	6,728.	98.0	7.51	<b>0.44</b>	7.94	65.5	33.4	1.0	0.1	0.1	40
<b>Summary</b>	<b>57,128.</b>	<b>99.1</b>	<b>7.41</b>	<b>0.70</b>	<b>8.12</b>	<b>65.3</b>	<b>32.0</b>	<b>2.3</b>	<b>0.4</b>	<b>0.4</b>	<b>72</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	38,572.	97.9	6.76	<b>0.40</b>	7.15	74.5	24.8	0.6	0.0	0.1	45
0700 - 1000	75,348.	97.9	5.96	<b>0.75</b>	6.70	77.0	21.7	1.1	0.2	0.6	74
1000 - 1300	73,126.	98.6	6.14	<b>0.84</b>	6.98	74.5	23.8	1.5	0.3	0.7	72
1300 - 1600	73,570.	98.4	6.10	<b>1.11</b>	7.21	73.2	24.3	2.2	0.3	0.9	69
1600 - 1900	73,991.	98.0	6.09	<b>1.29</b>	7.38	72.5	24.6	2.4	0.5	1.3	67
1900 - 2200	64,341.	100.9	6.75	<b>0.82</b>	7.57	69.3	28.5	1.9	0.3	0.6	79
2200 - 2400	41,216.	98.2	7.48	<b>0.50</b>	7.99	65.5	33.0	1.3	0.2	0.2	70
<b>Summary</b>	<b>440,164.</b>	<b>98.6</b>	<b>6.23</b>	<b>0.96</b>	<b>7.19</b>	<b>73.2</b>	<b>24.7</b>	<b>1.8</b>	<b>0.3</b>	<b>0.8</b>	<b>79</b>

Transport for London - QSI Points and Mileage

v2.0 - Mileage directly imported from Caesar

Route 54  
 Service change 30301  
 Date 17/10/2012

TRANCHE 441

Reason for Issue	Re-allocation
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QSI Points are highlighted in blue.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ELMESN	BP5555	Elmers End Interchange		
	31326	Elmers End Green	402	0.25
	18794	Eden Park Avenue	208	0.13
	1523	Cromwell Road	413	0.26
	18792	Beckenham Beacon	280	0.17
	R0860	Croydon Road / War Memorial	294	0.18
	1427	Beckenham High Street / War Memorial	229	0.14
	R0405	Manor Road	345	0.21
BECKJS	14739	Beckenham Junction Station	250	0.16
	18789	Copers Cope Road	311	0.19
	1604	Brackley Road	484	0.30
	18787	Stumps Hill Lane	235	0.15
	18784	Highland Croft	373	0.23
	18782	Beckenham Hill Station	525	0.33
	18780	Beckenham Hill Road / Primrose Close	394	0.24
BRRDSL	BP661	Southend Lane	338	0.21
	7566	Catford Police Station	258	0.16
	1999	Bellingham Road	216	0.13
TL GR	33056	Newquay Road	460	0.29
	2127	Inchmery Road	213	0.13
	1995	Bargery Road	230	0.14
CATFTHB	14625	Bromley Road / Lewisham Town Hall	390	0.24
	R0567	The Catford Centre	388	0.24
	26278	Rosenthal Road	263	0.16
	26280	George Lane	293	0.18
	R0401	Lewisham Hospital	164	0.10
	4752	Lewisham Park	175	0.11
	26284	Ladywell Leisure Centre	332	0.21
LEWSHV	BP1114	Lewisham Centre	549	0.34
	18779	Lockmead Road	247	0.15
	20102	The Squirrels	296	0.18
	18776	St Margaret's Church / Brandram Road	322	0.20
	18775	Blackheath Hospital	470	0.29
BHTHSN	33777	Blackheath Station	247	0.15
	19565	Royal Parade	372	0.23
	18772	The Clarendon Hotel	236	0.15
	18771	Prince Charles Road / Maze Hill	584	0.36
	19622	Vanbrugh Park / Beaconsfield Road	504	0.31
BHTHRS	27879	Blackheath / Royal Standard	570	0.35
	18769	Wyndcliff Road	394	0.24
	18767	Charlton Road / Victoria Way	449	0.28
	13532	Charlton Village	480	0.30
	18765	Charlton Park Road	221	0.14
LHTCL	18763	Cemetery Lane	363	0.23
	18761	Erwood Road	415	0.26
	18759	Artillery Place / Frances Street	582	0.36
	18756	The Woolwich Centre	535	0.33
	BP5479	Woolwich Arsenal Station	262	0.16
WOOLAS	35563	Vincent Road / Woolwich Arsenal Station	201	0.12
	36822	Burrage Road	415	0.26
WOOLPR	37316	Plumstead Road / Burrage Road	110	0.07
Total Route Mileage - Out Direction			17287	10.74
			17287	10.74

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
WOOLPR	BP4396	Plumstead Road / Woolwich Public Market		
	35482	Woolwich Arsenal Station	194	0.12
	12927	The Woolwich Centre	339	0.21
	18757	Artillery Place / John Wilson Street	332	0.21
	18758	Artillery Place / Frances Street	270	0.17
	18760	Erwood Road	644	0.40
LHTCL	18762	Cemetery Lane	318	0.20
	18764	Charlton Park Road	497	0.31
	13533	Charlton Church Lane	372	0.23
	18766	Charlton Road / Victoria Way	394	0.24
	18768	Wyndcliff Road	383	0.24
BHTHRS	44007	Blackheath / Royal Standard	403	0.25
	20453	Vanbrugh Park / Stratheden Road	211	0.13
	19621	Vanbrugh Park / Beaconsfield Road	312	0.19
	18770	Prince Charles Road / Maze Hill	377	0.23
	18773	The Clarendon Hotel	627	0.39
BHTHSN	34268	Blackheath Station	449	0.28
	18774	Blackheath Hospital	334	0.21
	18777	St Margaret's Church / Brandram Road	372	0.23
	20101	The Squirrels	339	0.21
	18778	Lockmead Road	328	0.20
LEWSHV	BP1116	Lewisham Centre	296	0.18
	26285	Morley Road	285	0.18
	34265	Ladywell Leisure Centre	237	0.15
	26283	Lewisham Park	316	0.20
	26281	Lewisham Hospital	144	0.09
	925	George Lane	259	0.16
	26279	Rosenthal Road	298	0.19
	1992	The Catford Centre	415	0.26
CATFTHB	23410	Bromley Road / Lewisham Town Hall	122	0.08
	26274	Inchmery Road	512	0.32
	1998	Newquay Road	254	0.16
TL GR	29810	Catford Bus Garage	276	0.17
	26273	Bellingham Road	100	0.06
	2000	Catford Police Station	329	0.20
BRRDSL	BP660	Southend Lane	202	0.13
	2004	Bromley Road / the Pond	270	0.17
	18781	Primrose Close	347	0.22
	18783	Beckenham Hill Station	275	0.17
	18785	Highland Croft	499	0.31
	18786	Stumps Hill Lane	261	0.16
	1603	Brackley Road	341	0.21
	18788	Copers Cope Road	429	0.27
BECKJS	BP671	Beckenham Junction Station	286	0.18
	1426	Manor Road	190	0.12
	20979	Beckenham High Street / Kelsey Square	275	0.17
	1428	Beckenham High Street / War Memorial	233	0.14
	1429	Croydon Road / War Memorial	104	0.06
	18791	Beckenham Beacon	235	0.15
	1524	Cromwell Road	285	0.18
	18973	Eden Park Avenue	461	0.29
ELMESN	BP5556	Elmers End Interchange	685	0.43
Total Route Mileage - Back Direction			16716	10.39
			16716	10.39