

7. Service Specification

Route: 164

Contract Reference: QC50106

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.

Terminus Points	Sutton Station, The Quadrant to Wimbledon Station, Worple Road
Contract Basis	Incentivised
Commencement Date	5 th December 2015
Vehicle Type	60 capacity, dual door, 10.8 single deck buses, subject to a satisfactory route test.
Current Maximum Approved Dimensions	10.3 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 19th January 2015

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. 164.

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:

- 60 capacity dual door single deck vehicles are specified subject to a satisfactory route test. Lower capacity buses are not acceptable.

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

Sutton Station, The Quadrant to Wimbledon Station, Worple Road			Wimbledon Station, Worple Road to Sutton Station, The Quadrant		
First departure no later than 0445.			First departure no later than 0515.		
0440 - 0545	Every 20 minutes		0510 - 0615	Every 20 minutes	
0546 - 0615	Every 15 minutes		0616 - 0645	Every 15 minutes	
0616 - 1835	Every 10 minutes		0646 - 1945	Every 10 minutes	
1836 - 0005	Every 15 minutes		1946 - 2400	Every 15 minutes	
0006 - 0110	Every 20 minutes		0001 - 0125	Every 20 minutes	
Last departure no earlier than 0105.			Last departure no earlier than 0120.		
Pinchpoints					
Morden Station	0710 - 0910	10 minutes	St. Helier Roundabout, St. Helier Avenue	0705 - 0915	10 minutes
	1515 - 1645	10 minutes		1515 - 1645	10 minutes

3.2) SATURDAY & GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Sutton Station, The Quadrant to Wimbledon Station, Worple Road			Wimbledon Station, Worple Road to Sutton Station, The Quadrant		
First departure no later than 0445.			First departure no later than 0515.		
0440 - 0645	Every 20 minutes		0510 - 0715	Every 20 minutes	
0646 - 0800	Every 15 minutes		0716 - 0830	Every 15 minutes	
0801 - 1810	Every 10 minutes		0831 - 1840	Every 10 minutes	
1811 - 0005	Every 15 minutes		1841 - 2400	Every 15 minutes	
0006 - 0110	Every 20 minutes		0001 - 0125	Every 20 minutes	
Last departure no earlier than 0105.			Last departure no earlier than 0120.		
Pinchpoints					
Morden Station	0920 - 1100	10 minutes	St. Helier Roundabout, St. Helier Avenue	0920 - 1100	10 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

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

Sutton Station, The Quadrant to Wimbledon Station, Worple Road			Wimbledon Station, Worple Road to Sutton Station, The Quadrant		
First departure no later than 0445.			First departure no later than 0515.		
0440 - 0615	Every 30 minutes		0510 - 0645	Every 30 minutes	
0616 - 0915	Every 20 minutes		0646 - 0945	Every 20 minutes	
0916 - 0005	Every 15 minutes		0946 - 2400	Every 15 minutes	
0006 - 0110	Every 20 minutes		0001 - 0125	Every 20 minutes	
Last departure no earlier than 0105.			Last departure no earlier than 0120.		
Pinchpoints					
Morden Station	1030 - 1200	15 minutes	St. Helier Roundabout, St. Helier Avenue	1025 - 1145	15 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 164 can suffer from unpredictable traffic delays in the Sutton, Rose Hill Roundabout, Morden and Wimbledon areas.
- 4.2) Route No. 164 can sometimes suffer from unpredictable and severe delays caused by the annual Wimbledon Tennis Championships (usually held in late June / early July of each year).
- 4.3) Analysis of running time has been undertaken during both the Mondays to Fridays AM and PM peaks and it is expected that the full resource should be in service no later than 0715 and 1500 respectively.

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 164: Sutton Station - Wimbledon Station

Date of Structural Change: 5 December 2015.

Date of Service Change: 5 December 2015.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Wimbledon Station: The Quadrant, Wellesley Road, Brighton Road, Sutton High Street, Grove Road, Sutton Park Road, Cheam Road, St Nicholas Way, Crown Road, Sutton High Street, Angel Hill, Rose Hill, St Helier Avenue, Morden Hall Road, Morden Hall Road Roundabout, London Road, Crown Road, Crown Lane, Martin Way, Bushey Road, Kingston Road, Hartfield Road, Hartfield Road Bus Lane, Hartfield Road, Wimbledon Bridge, St George's Road, Francis Grove, Worples Road.

Towards Sutton Station: Worples Road, Wimbledon Hill Road, Wimbledon Bridge, The Broadway, Gladstone Road, Bus Turning Area, Sir Cyril Black Way, Hartfield Road, Kingston Road, Bushey Road, Martin Way, Crown Lane, Morden Station Forecourt, London Road, Morden Hall Road Roundabout, Morden Hall Road, St Helier Avenue, Rose Hill, Angel Hill, Sutton High Street, Marshall's Road, Throwley Way, Carshalton Road, Chalk Pit Way, Sutton Court Road, Sutton High Street, Brighton Road, The Quadrant.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

SUTTON STATION, THE QUADRANT

Public stand for two buses in bay in The Quadrant (west arm), opposite Quadrant House. Buses proceed from The Quadrant (West Arm) direct to stand, departing to The Quadrant (West And North And East Arms). Set down in The Quadrant, at Stop Q (35897 - Sutton Station # / The Quadrant, Last Stop on LOR: 35897 - Sutton Station # / The Quadrant) and pick up in The Quadrant, at Stop Q (35897 - Sutton Station # / The Quadrant, First Stop on LOR: 35897 - Sutton Station # / The Quadrant).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 164 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:	Sutton Station.

ST. HELIER, GREEN LANE, EAST SIDE

Public stand for one bus at bus stop point letter RD on east side of Green Lane, outside Methodist Central Hall, commencing at a point 45 metres south of the centre line of Dorchester Road.

From Sutton Station.

Buses proceed from Rose Hill via Green Lane, U-Turn Through Central Reservation At Canterbury Road and Green Lane to stand, departing via Green Lane to Rose Hill. Set down in Rose Hill, at Stop RS (18561 - Rose Hill / Rose Hill Roundabout, Last Stop on LOR: 18561 - Rose Hill / Rose Hill Roundabout) and pick up in Rose Hill, at Stop RP (4530 - Rose Hill / Rose Hill Roundabout, First Stop on LOR: 4530 - Rose Hill / Rose Hill Roundabout).

From Wimbledon Station.

Buses proceed from St Helier Avenue via Green Lane, U-Turn Through Central Reservation At Canterbury Road and Green Lane to stand, departing via Green Lane to St Helier Avenue. Set down in St Helier Avenue, at Stop RG (2240 - St Helier Avenue / Rose Hill Roundabout, Last Stop on LOR: 2240 - St Helier Avenue / Rose Hill Roundabout) and pick up in St Helier Avenue, at Stop RE (2239 - St Helier Avenue / Rose Hill Roundabout, First Stop on LOR: 2239 - St Helier Avenue / Rose Hill Roundabout).

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:	St Helier, Rose Hill.

MORDEN STATION (from Sutton Station)

Buses proceed from London Road via Crown Road and Crown Lane departing to Morden Station Forecourt. Set down in London Road, at Stop J (35459 - Morden Civic Centre, Last Stop on LOR: 35459 - Morden Civic Centre) and pick up in Morden Station Forecourt, at Stop B (26822 - Morden Station <>, First Stop on LOR: 26822 - Morden Station <>).

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

MORDEN STATION (from WIMBLEDON STATION)

Buses proceed from Morden Station Forecourt via London Road and Morden Hall Road Roundabout departing to London Road. Set down in Morden Station Forecourt, at Stop B (26822 - Morden Station <>, Last Stop on LOR: 26822 - Morden Station <>) and pick up in London Road, at Stop F (R0726 - London Road / Morden Station <>, First Stop on LOR: R0726 - London Road / Morden Station <>).

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

RAYNES PARK, JUNCTION TAVERN (from Sutton Station)

Public stand for three buses on north side of Kingston Road, commencing 35 metres west of lamp standard 096 extending 33 metres west.

Buses proceed from Bushey Road via Kingston Road to stand, departing via Kingston Road to Bushey Road. Set down in Bushey Road, at Stop MN (19099 - Merton Park Baptist Church, Last Stop on LOR: 19099 - Merton Park Baptist Church) and pick up in Bushey Road, at Stop MJ (19100 - Merton Park Baptist Church, First Stop on LOR: 19100 - Merton Park Baptist Church).

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:	Bushey Road, Botsford Road.

WIMBLEDON, WORPLE ROAD

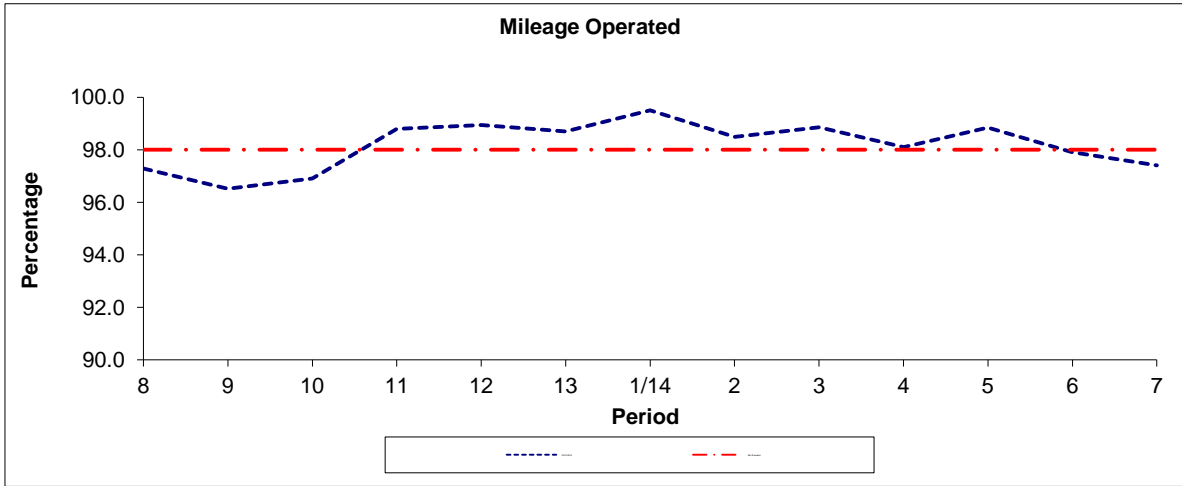
Public stand for up to 3 buses on west side of Worple Road commencing 4 metres south of lamp standard No. 007 and extending 26.5 metres south.

Buses proceed from Worple Road direct to stand, departing to Worple Road. Set down in Worple Road, at Alighting Point (BP4202 - Francis Grove, Last Stop on LOR: BP4202 - Francis Grove) and pick up in Worple Road, at Stop N (9127 - Francis Grove, First Stop on LOR: 9127 - Francis Grove).

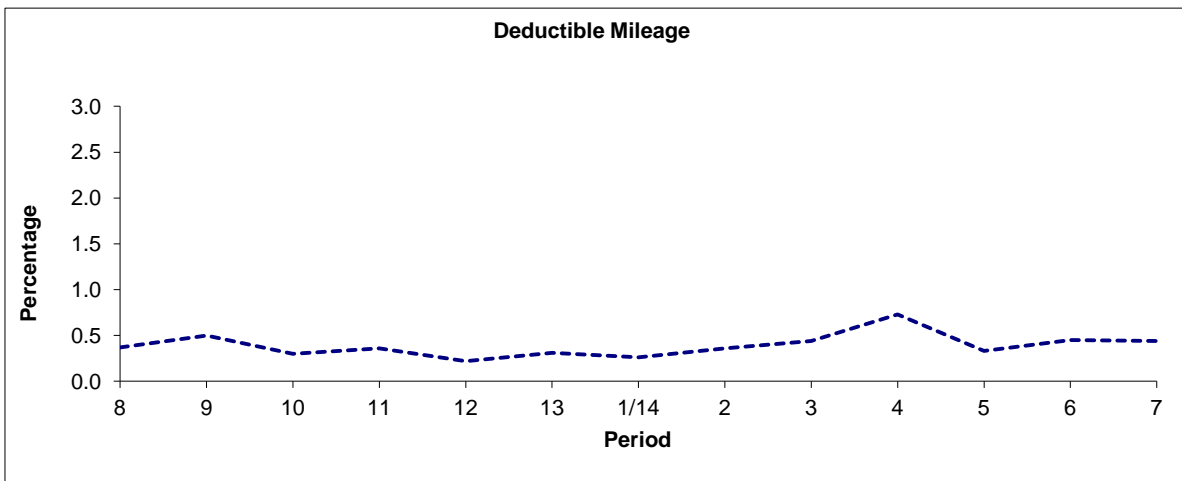
AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 164 should be scheduled to stand at any one time.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Wimbledon.

PART B - PERFORMANCE STATISTICS

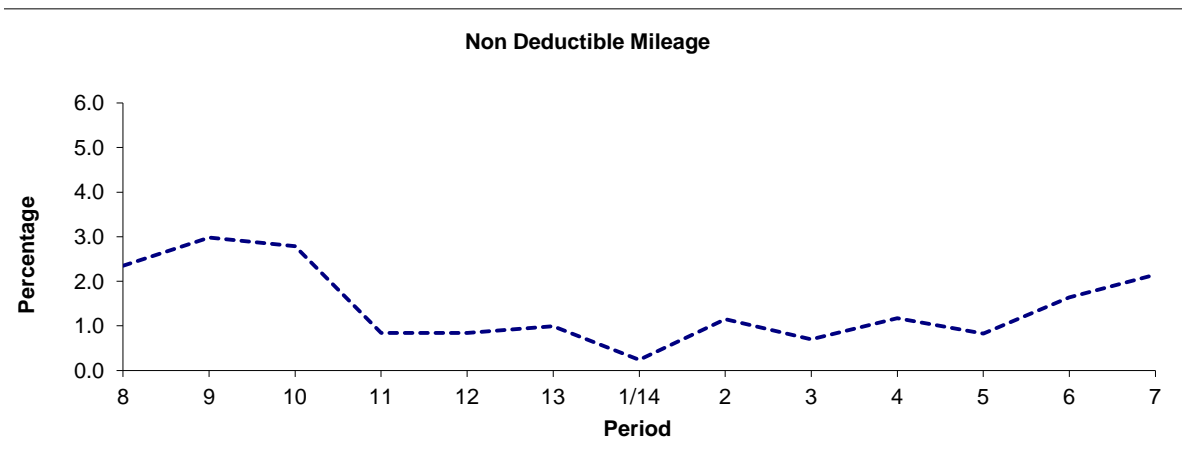
Route 164



Period	8	9	10	11	12	13	1/14	2	3	4	5	6	7
2013/2014	97.28	96.52	96.91	98.80	98.94	98.70	99.50	98.49	98.86	98.10	98.84	97.91	97.41
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	1/14	2	3	4	5	6	7
2013/2014	0.37	0.50	0.30	0.36	0.22	0.31	0.26	0.36	0.44	0.73	0.33	0.45	0.44

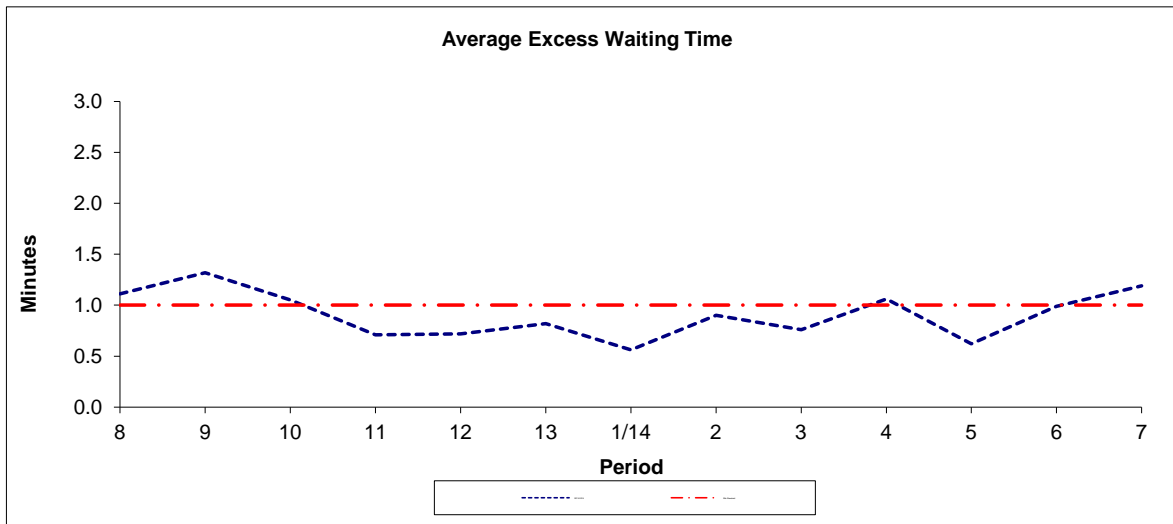


Period	8	9	10	11	12	13	1/14	2	3	4	5	6	7
2013/2014	2.35	2.98	2.79	0.84	0.84	0.99	0.24	1.15	0.70	1.17	0.83	1.64	2.15

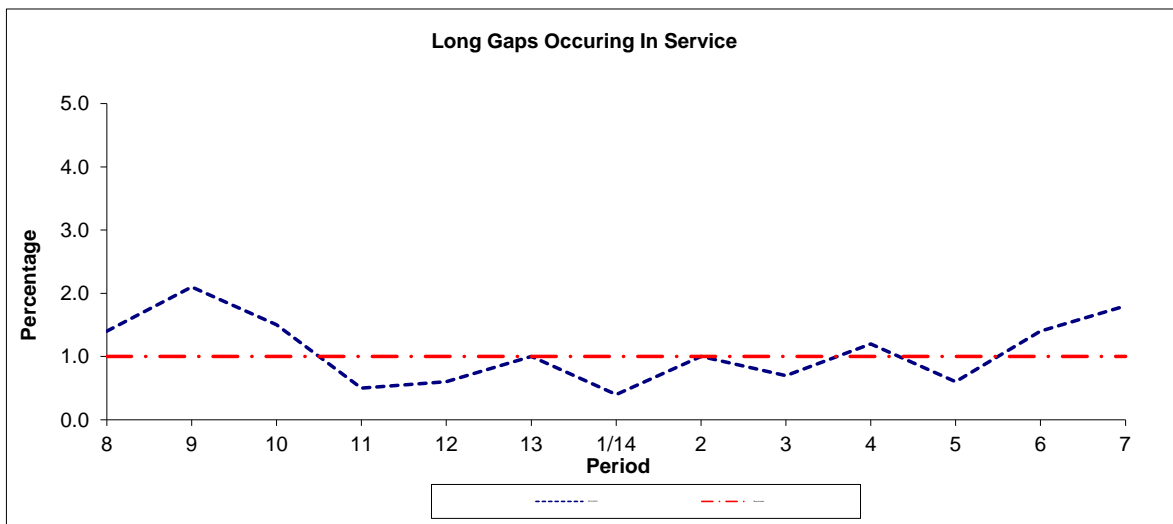
Note : Mileage is based on 4 weeks data

PART B - PERFORMANCE STATISTICS

Route 164



Period	8	9	10	11	12	13	1/14	2	3	4	5	6	7
2013-2014	1.11	1.32	1.05	0.71	0.72	0.82	0.56	0.90	0.76	1.06	0.62	0.99	1.19
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	1/14	2	3	4	5	6	7
2013-2014	1.4	2.1	1.5	0.5	0.6	1.0	0.4	1.0	0.7	1.2	0.6	1.4	1.8
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.

**ROUTE 164 - 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	19,688.	97.9	8.43	0.47	8.90	66.3	31.2	2.4	0.1	0.0	64
0700 - 1000	54,502.	96.1	4.94	1.15	6.09	82.8	15.5	1.5	0.2	1.9	56
1000 - 1300	52,896.	98.4	5.00	0.76	5.76	85.8	13.5	0.6	0.1	0.7	61
1300 - 1600	53,190.	97.6	4.96	0.88	5.84	84.6	14.4	0.9	0.1	1.0	54
1600 - 1900	53,380.	96.6	4.97	1.29	6.26	80.5	17.8	1.6	0.1	1.8	58
1900 - 2200	39,480.	100.4	6.64	0.77	7.41	69.9	28.1	1.8	0.2	0.6	52
2200 - 2400	23,420.	101.0	7.48	0.32	7.79	66.5	32.5	0.9	0.1	0.1	55
Summary	296,556.	98.0	5.37	0.97	6.34	80.4	18.1	1.3	0.1	1.2	64

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	3,455.	96.4	10.01	0.53	10.54	51.6	41.0	6.8	0.6	0.0	44
0700 - 1000	9,138.	98.9	6.26	0.69	6.95	78.0	20.4	1.4	0.1	0.3	41
1000 - 1300	11,130.	98.6	5.00	0.72	5.72	86.0	13.2	0.7	0.1	0.8	63
1300 - 1600	11,309.	96.5	4.99	1.20	6.18	81.9	16.6	1.3	0.2	1.5	44
1600 - 1900	10,885.	98.5	5.11	0.76	5.87	83.8	15.3	0.8	0.0	0.7	38
1900 - 2200	7,584.	99.7	7.28	0.55	7.83	66.2	32.0	1.7	0.1	0.2	39
2200 - 2400	4,824.	100.7	7.50	0.36	7.86	66.3	32.7	0.9	0.0	0.0	35
Summary	58,325.	98.4	5.69	0.80	6.49	79.4	19.2	1.3	0.1	0.8	63

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	2,685.	99.3	14.20	0.24	14.44	40.4	34.9	22.1	2.6	1.2	61
0700 - 1000	6,227.	98.5	9.85	0.36	10.21	52.9	41.4	5.2	0.5	0.1	51
1000 - 1300	7,981.	99.0	7.43	0.48	7.91	66.4	32.1	1.3	0.1	0.2	47
1300 - 1600	8,050.	99.4	7.42	0.64	8.06	65.3	32.4	2.1	0.2	0.2	51
1600 - 1900	8,124.	99.9	7.41	0.50	7.91	66.0	32.5	1.4	0.1	0.1	41
1900 - 2200	8,119.	99.3	7.45	0.37	7.82	66.1	33.1	0.8	0.0	0.0	36
2200 - 2400	5,328.	100.8	7.48	0.34	7.82	66.5	32.5	1.0	0.0	0.0	35
Summary	46,514.	99.4	7.78	0.48	8.26	64.3	33.4	2.2	0.2	0.1	61

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	25,828.	97.8	8.93	0.47	9.40	63.2	32.5	4.0	0.3	0.1	64
0700 - 1000	69,867.	96.7	5.28	1.07	6.35	81.0	17.1	1.7	0.2	1.6	56
1000 - 1300	72,007.	98.5	5.26	0.72	5.99	83.7	15.5	0.7	0.1	0.7	63
1300 - 1600	72,549.	97.6	5.21	0.90	6.11	82.3	16.5	1.1	0.1	1.0	54
1600 - 1900	72,389.	97.3	5.21	1.16	6.37	79.5	18.9	1.5	0.1	1.5	58
1900 - 2200	55,183.	100.1	6.81	0.70	7.51	69.0	29.2	1.7	0.2	0.5	52
2200 - 2400	33,572.	100.9	7.48	0.33	7.81	66.4	32.6	0.9	0.1	0.1	55
Summary	401,395.	98.2	5.63	0.90	6.53	78.8	19.7	1.4	0.1	1.1	64

401,395.

Transport for London - QSI Points and Live Mileage List

Route 164
 Service change 22314
 Date 30 October 2009

TRANCHE 501

QSI Points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
SUTTSN S	SUTTSN S	UTTON STATION, THE QUADRANT		
SUTTTQ	35897	Sutton Station / The Quadrant	0	0.00
	BP5949	Sutton Station		
	W41	Sutton Post Office		
SUTTSC	35568	Sutton Civic Centre	420	0.26
	35570	Saint Nicholas Centre	355	0.22
	35573	Crown Road	387	0.24
SUTTGN	7594	Sutton Green	352	0.22
	4533	Cranleigh Gardens	570	0.35
	18562	Rosehill Park West	415	0.26
	18561	Rose Hill / Rose Hill Roundabout	385	0.24
STHRHA	2239	Helier Avenue / Rose Hill Roundab	260	0.16
	3009	Dore Gardens	189	0.12
	3007	St Helier Avenue/ Middleton Road	391	0.24
	3005	Chester Gardens	158	0.10
	3003	Langdon Walk	250	0.16
	3001	Connaught Gardens	335	0.21
	R0299	Morden Hall Road/ Central Road.	348	0.22
MORDSN	R0726	Morden Station	592	0.37
	35459	Morden Civic Centre	266	0.17
	19109	Links Avenue	443	0.28
SMTNSN	19107	South Merton Station	419	0.26
	19105	Ashridge Way	228	0.14
	19103	St James Church	300	0.19
MARTBR	19101	Merton Mansions	529	0.33
	19099	Merton Park Baptist Church	292	0.18
	18683	Wimbledon Chase Station	330	0.21
	1805	Nelson Hospital	183	0.11
	18681	Wilton Crescent	372	0.23
MTPKTL	19043	Merton Park Tram Stop	481	0.30
	35560	Bertram Cottages	303	0.19
	BP3876	Sir Cyril Black Way	198	0.12
	LG50	Wimbledon Station	239	0.15
WIMBWR	BP4202	Francis Grove	436	0.27
WIMBWR S	WIMBWR S	WIMBLEDON, WORPLE ROAD	0	0.00

TOTAL ROUTE MILEAGE - OUT DIRECTION 11050 metres 6.87 miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
WIMBWR S	WIMBWR S	WIMBLEDON, WORPLE ROAD		
WIMBWR	9127	Francis Grove	0	0.00
	BP106	Wimbledon Station		
	LG69	Sir Cyril Black Way		
	BP5906	Hartfield Road / Herbert Road		
MTPKTL	35561	Merton Park Tram Stop		
	18680	Wilton Crescent	457	0.28
	1806	Nelson Hospital	322	0.20
	18682	Wimbledon Chase Station	289	0.18
	19100	Merton Park Baptist Church	251	0.16
MARTBR	19102	Merton Mansions	222	0.14
	19104	St James Church	617	0.38
	19106	Ashridge Way	229	0.14
SMTNSN	19108	South Merton Station	318	0.20
	19110	Links Avenue	349	0.22
MORDSN	26822	Morden Station	468	0.29
	17561	Morden Hall	328	0.20
	2850	Morden Hall Road/ Central Road.	404	0.25
	3002	Connaught Gardens	305	0.19
	3004	Langdon Walk	255	0.16
	3006	Leominster Walk	250	0.16
	3008	St Helier Avenue / Middleton Road	273	0.17
	3010	Netley Gardens	289	0.18
STHRHA	2240	Helier Avenue / Rose Hill Roundab	251	0.16
	4530	Rose Hill / Rose Hill Roundabout	301	0.19
	18563	Rosehill Park West	466	0.29
	18565	Cranleigh Gardens	362	0.22
SUTTGN	33809	Sutton Green	731	0.45
	6479	High Street / Marshalls Road	169	0.11
	35336	Benhill Avenue	205	0.13
	35510	Manor Place	186	0.12
	36521	Times Square	207	0.13
SUTTTC	14881	Sutton Police Station	246	0.15
	29910	Sutton Station	455	0.28
SUTTTQ	35897	Sutton Station / The Quadrant	176	0.11
SUTTSN S	SUTTSN S	UTTON STATION, THE QUADRANT	0	0.00

TOTAL ROUTE MILEAGE - BACK DIRECTION 10568 metres 6.57 miles