

7. Service Specification

Route: 230

Contract Reference: QC68301

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	Upper Walthamstow, Bisterne Avenue and Wood Green Station, High Road
Contract Basis	Incentivised
Commencement Date	20 th June 2020
Vehicle Type	87 capacity, dual door, double deck vehicles
Current Maximum Approved Dimensions	10.5 metres long and 2.55 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard	Departing on Time - No less than 78%
Extension Threshold	Departing on Time Threshold - 81%
Minimum Operated Mileage Standard	No less than 98%

The Date of Tender for this ITT is:

No later than 12 Noon on Monday 10th June 2019.

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. 230

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. 230.

The Mayor and Transport for London (TfL) have developed a series of clean bus corridors which will be 'Low Emission Bus Zones' (LEBZ) in London. The corridors will prioritise the greenest buses on the worst polluted routes, as part of the Mayor's plans to improve air quality across London.

The Low Emission Bus Zones will apply 24 hours a day, 7 days a week, and will require all buses operating for TfL within the zones to meet Euro VI emission standards.

- **Route No. 230 serves LEBZ 5 (High Road (Haringey) to Green Lanes, which commenced 31st July 2018.**

Operators should provide the following prices:

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

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

- 1. Vehicles that offer genuine increased capacity and are certified as such.**
- 2. Modifications to reduce emissions and fuel consumption (including energy storage, engine stop/start, extended zero-emission range and/or energy efficient components)**
- 3. Existing vehicles. Separate costs must be provided both excluding and including the cost of upgrading to Euro VI standards. The inclusive costs should be on a per bus per annum basis. Please note that existing diesel vehicles will NOT be considered for routes which are already operated by hybrids.**

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Upper Walthamstow, Bisterne Avenue to Wood Green Station, High Road			Wood Green Station, High Road to Upper Walthamstow, Bisterne Avenue		
First departure no later than 0455.			First departure no later than 0450.		
0450 - 0615	Every 20 minutes		0445 - 0630	Every 20 minutes	
0616 - 0055	Every 15 minutes		0631 - 0050	Every 15 minutes	
Last departure no earlier than 0050.			Last departure no earlier than 0045.		
Pinchpoints					
Tottenham High Road, Philip Lane	0710 - 0910	15 minutes	Leyton, Bakers Arms, Hoe Street	0700 - 0900	15 minutes
	1500 - 1635	15 minutes		1505 - 1630	15 minutes

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Upper Walthamstow, Bisterne Avenue to Wood Green Station, High Road			Wood Green Station, High Road to Upper Walthamstow, Bisterne Avenue		
First departure no later than 0455.			First departure no later than 0450.		
0450 - 0815	Every 20 minutes		0445 - 0810	Every 20 minutes	
0815 - 0055	Every 15 minutes		0811 - 0050	Every 15 minutes	
Last departure no earlier than 0050.			Last departure no earlier than 0045.		
Pinchpoints					
Tottenham High Road, Philip Lane	0900 - 1100	15 minutes	Leyton, Bakers Arms, Hoe Street	0910 - 1110	15 minutes

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

Upper Walthamstow, Bisterne Avenue to Wood Green Station, High Road			Wood Green Station, High Road to Upper Walthamstow, Bisterne Avenue		
First departure no later than 0610.			First departure no later than 0625.		
0605 - 0840	Every 30 minutes		0620 - 0825	Every 30 minutes	
0841 - 0900	Every 20 minutes		0826 - 0925	Every 20 minutes	
0901 - 0055	Every 15 minutes		0926 - 0050	Every 15 minutes	
Last departure no earlier than 0050.			Last departure no earlier than 0045.		
Pinchpoints					
Tottenham High Road, Philip Lane	1005 - 1135	15 minutes	Leyton, Bakers Arms, Hoe Street	1000 - 1130	15 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 230 can suffer from unpredictable traffic delays in the Walthamstow and Tottenham areas.
- 4.2) Football matches at Tottenham Hotspur F.C. can also cause traffic congestion in the Tottenham area.
- 4.3) The Masterplan for Tottenham Hale envisages that the area would be developed by 2025. The six key development sites are the former GLS depot site at Hale Village (690 units of student accommodation are now occupied), Hale Wharf, Ashley Road area, Station Interchange, Tottenham Hale Retail Park and High Cross Housing Estate. These developments will increase demand on Route No. 230 and other surrounding routes in the area.
- 4.4) Route No. 230 will be kept under review as development in the Tottenham and wider areas comes forward. The developments may increase demands on Route No. 230 and other surrounding routes
- 4.5) Tottenham Hotspur Football Club redevelopment will create additional stadium capacity during match/event days. In addition it is expected to provide 200 additional residential units and new retail at White Hart Lane.

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 230: Upper Walthamstow, Bisterne Avenue - Wood Green Station

Date of Structural Change: 20 June 2020.

Date of Service Change: 20 June 2020.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Wood Green Station: Bisterne Avenue, Fyfield Road, Upper Walthamstow Road, Wood Street, Whipps Cross, Whipps Cross Roundabout, Whipps Cross Road, Whipps Cross Bus-Only Facility, Whipps Cross, Lea Bridge Road, Leyton Green Road, High Road Leyton, Hoe Street, Selborne Road, Walthamstow Central Bus Station, Selborne Road, South Grove, Markhouse Road, St James Street, Blackhorse Road, Forest Road, Ferry Lane, Tottenham Hale Bus Station Entrance, Tottenham Hale Bus Station, Watermead Way, Hale Road, Monument Way, Tottenham High Road, Philip Lane, Spur Road, West Green Road, Alfoxton Avenue, Green Lanes, Wood Green High Road.

Towards Upper Walthamstow, Bisterne Avenue: Wood Green High Road, Green Lanes, West Green Road, Spur Road, Philip Lane, Tottenham High Road, Monument Way, Hale Road, Watermead Way, Tottenham Hale Bus Station, Tottenham Hale Bus Station Exit, Ferry Lane, Forest Road, Blackhorse Road, St James Street, St James's Street, South Grove, Selborne Road, Walthamstow Central Bus Station, Selborne Road, Hoe Street, Lea Bridge Road, Whipps Cross, Wood Street, Upper Walthamstow Road, Fyfield Road, Avon Road, Bisterne Avenue.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

UPPER WALTHAMSTOW, BISTERNE AVENUE

Public stand for two buses on south side of Bisterne Avenue, commencing 1 metres east of lamp standard No 19 and extending 26 metres east.

Buses proceed from Bisterne Avenue direct to stand, departing to Bisterne Avenue. Set down in Bisterne Avenue, at Stop C (BP1311 - Fyfield Road, Last Stop on LOR: BP1311 - Fyfield Road) and pick up in Bisterne Avenue, at Stop C (BP1311 - Fyfield Road, First Stop on LOR: BP1311 - Fyfield Road).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 230 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:	Upper Walthamstow.

WHIPPS CROSS ROUNDABOUT (from WOOD GREEN STATION)

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

Buses proceed from Lea Bridge Road via Whipps Cross, Whipps Cross Roundabout, Whipps Cross Road, Whipps Cross Bus-Only Facility and Whipps Cross Roundabout to stand, departing to Whipps Cross Bus-Only Facility. Set down in Whipps Cross Bus-only Facility, at Stop A (BP6291 - Whipps Cross Bus Stand, Last Stop on LOR: 14271 - Whipps Cross / Wood Street) and pick up in Whipps Cross Bus-only Facility, at Stop C (BP6288 - Whipps Cross Bus Stand, First Stop on LOR: BP6288 - Whipps Cross Bus Stand).

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:	Whipps Cross.

WALTHAMSTOW CENTRAL BUS STATION

Private stand for 13 buses in marked bays on east side of Walthamstow Central Bus Station on north side of Selborne Road. Overflow offside stand for 1 bus on west side of bus station in lay-by opposite Stop A.

From Upper Walthamstow, Bisterne Avenue.

Buses proceed from Walthamstow Central Bus Station direct to stand, departing to Walthamstow Central Bus Station. Set down in Walthamstow Central Bus Station, at Alighting Point (BP4267 - Walthamstow Bus Station, Last Stop on LOR: R0036 - Walthamstow Central Station <> #) and pick up in Walthamstow Central Bus Station, at Stop B (BP4271 - Walthamstow Bus Station <>, First Stop on LOR: BP4271 - Walthamstow Bus Station <>).

From Wood Green Station.

Buses proceed from Walthamstow Central Bus Station direct to stand, departing to Walthamstow Central Bus Station. Set down in Walthamstow Central Bus Station, at Alighting Point (BP4267 - Walthamstow Bus Station, Last Stop on LOR: BP4271 - Walthamstow Bus Station <>) and pick up in Walthamstow Central Bus Station, at Stop A (BP4270 - Walthamstow Bus Station <>, First Stop on LOR: R0034 - Selborne Walk).

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:	Walthamstow Central.

LEYTON GREEN (from WOOD GREEN STATION)

Buses proceed from Hoe Street via High Road Leyton, Leyton Green Road and High Road Leyton departing to Hoe Street. Set down in Hoe Street, at stop SK (7964 - Bakers Avenue, Last Stop on LOR: 7964 - Bakers Avenue) and pick up in Hoe Street, at stop NE (7966 - Hoe Street / Bakers Arms, First Stop on LOR: 7966 - Hoe Street / Bakers Arms).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Turning Point Only - Buses must not stand
BLIND DISPLAY:	Hoe Street, Bakers Arms.

WEST GREEN ROAD, LAWRENCE ROAD (from Upper Walthamstow, Bisterne Avenue)

Public stand for two buses on west side of Lawrence Road outside Nos.95-103 (Zephyr Business Centre), commencing 74.5 metres north of centre line of West Green Road and extending 27 metres south.

Buses proceed from Philip Lane via Spur Road, West Green Road and Lawrence Road to stand, departing via Lawrence Road to Philip Lane. Set down in Philip Lane, at Stop R (26448 - Summerhill Road, Last Stop on LOR: 26448 - Summerhill Road) and pick up in Philip Lane, at Stand F (26449 - Mount Pleasant Road, First Stop on LOR: 26449 - Mount Pleasant 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:	West Green.

TOTTENHAM HALE STATION

From Upper Walthamstow, Bisterne Avenue.

Buses proceed from Ferry Lane departing to Ferry Lane. Set down in Ferry Lane, at stop D (6661 - Mill Mead Road, Last Stop on LOR: 6661 - Mill Mead Road) and pick up in Ferry Lane, at stop H (6617 - Mill Mead Road, First Stop on LOR: 6617 - Mill Mead Road).

From Wood Green Station.

Buses proceed from Tottenham Hale Bus Station via Tottenham Hale Bus Station Exit departing to Ferry Lane. Set down {Not Specified}, NOTE: LAST STOP AND SET DOWN TO BE CONFIRMED AT A LATER DATE (BP5538 - Tottenham Hale Bus Station, Last Stop on LOR: 36850 - Park View Road) and pick up {Not Specified}, NOTE: FIRST STOP AND PICK UP STOP TO BE CONFIRMED AT A LATER DATE (BP5538 - Tottenham Hale Bus Station).

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

TOTTENHAM BUS GARAGE

Private stand for up to 20 buses on west side of Arriva's Tottenham Bus Garage on north side of Philip Lane.

From Upper Walthamstow, Bisterne Avenue.

Buses proceed from Philip Lane via Tottenham Bus Garage to stand, departing via Tottenham Bus Garage, Philip Lane and Tottenham High Road to Monument Way. Set down in Philip Lane, at stop S (26454 - Tottenham Bus Garage, Last Stop on LOR: 26454 - Tottenham Bus Garage) and pick up in Monument Way, at Stop Y (34287 - Tottenham High Road, First Stop on LOR: 34287 - Tottenham High Road).

From Wood Green Station.

Buses proceed from Philip Lane direct to stand, departing via Philip Lane and Tottenham Bus Garage to Philip Lane. Set down in Philip Lane, at Stop T (26453 - Tottenham Bus Garage, Last Stop on LOR: 26453 - Tottenham Bus Garage) and pick up in Philip Lane, at Stop S (26454 - Tottenham Bus Garage, First Stop on LOR: 26452 - Winchelsea 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:	Tottenham Town Hall.

WEST GREEN ROAD, GREEN LANES (from Upper Walthamstow, Bisterne Avenue)

Public stand for 2 buses on north side of West Green Road outside Barker House commencing 14 metres east of lamp standard No. WG96P and extending 21.1 metres west.

Buses proceed from Alfoxton Avenue via Green Lanes and West Green Road to stand, departing to West Green Road. Set down in Alfoxton Avenue, at Stop G (33971 - Willow Walk, Last Stop on LOR: 33971 - Willow Walk) and pick up in West Green Road, at Stop W (26973 - Willow Walk, First Stop on LOR: 26973 - Willow Walk).

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:	Turnpike Lane Station.

WEST GREEN ROAD, GREEN LANES (from WOOD GREEN STATION)

Public stand for 2 buses on north side of West Green Road outside Barker House commencing 14 metres east of lamp standard No. WG96P and extending 21.1 metres west.

Buses proceed from West Green Road direct to stand, departing via West Green Road and St Margaret's Avenue to Alfoxton Avenue. Set down in West Green Road, at Alighting Point (BP2007 - Turnpike Lane Station <>, Last Stop on LOR: 3617 - Turnpike Lane Station <>) and pick up in Alfoxton Avenue, (33971 - Willow Walk, First Stop on LOR: 33971 - Willow Walk).

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:	Green Lanes, West Green Road.

WOOD GREEN, BULLER ROAD

Public stand for 10 buses in two portions:

1 - On north side of Buller Road commencing 10 metres west of junction with Redvers Road and extending 54 metres west.

2 - On east side (offside) of Redvers Road commencing 7 metres south of Lordship Lane and extending 59 metres south.

Buses proceed from Wood Green High Road via Buller Road to stand, departing via Buller Road, Redvers Road and Lordship Lane to Wood Green High Road. Set down in Wood Green High Road, at Stop HB (30743 - Wood Green Station <>, Last Stop on LOR: 30743 - Wood Green Station <>) and pick up in Wood Green High Road, at Stop G (BP1795 - Lordship Lane, First Stop on LOR: BP1795 - Lordship Lane).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 230 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:	Wood Green.

WOOD GREEN BUS GARAGE

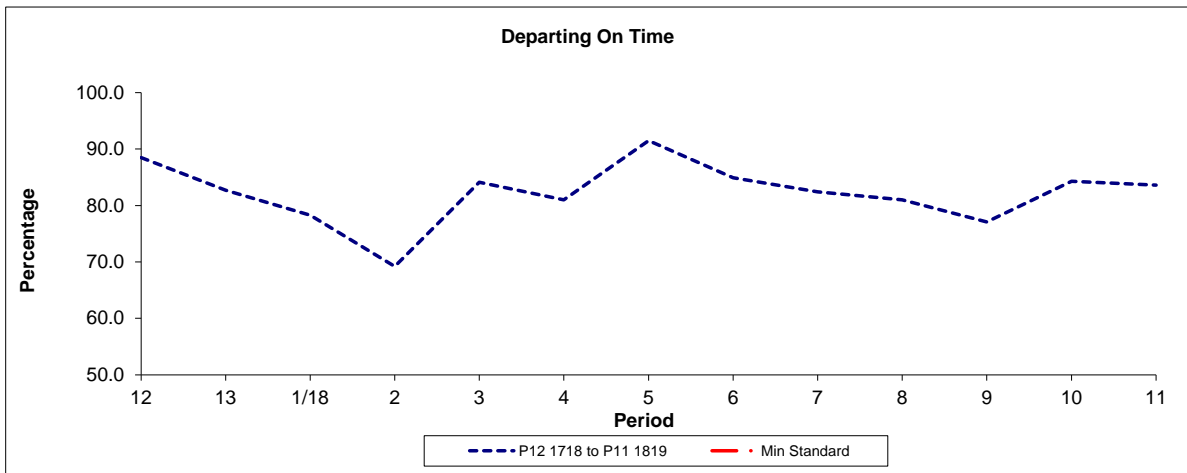
Private stand for 8 buses on north side of Wood Green Bus Garage on west side of Wood Green High Road.

Buses proceed from Wood Green High Road via Wood Green Bus Garage to stand, departing via Wood Green Bus Garage to Wood Green High Road. Set down in Wood Green High Road, at Stop HB (30743 - Wood Green Station <>, Last Stop on LOR: 30743 - Wood Green Station <>) and pick up in Wood Green High Road, at Stop G (BP1795 - Lordship Lane, First Stop on LOR: BP1795 - Lordship Lane).

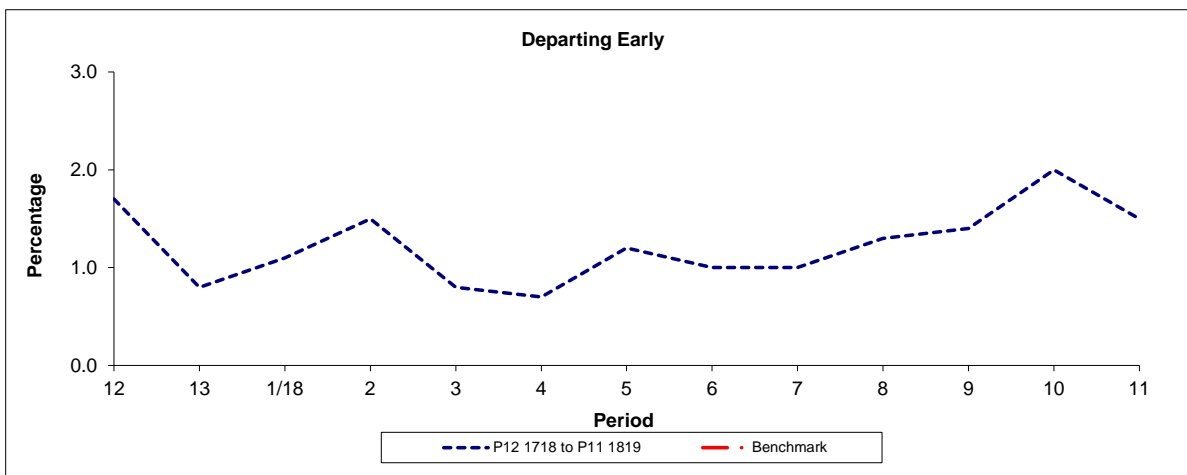
AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Wood Green.

PART B - PERFORMANCE STATISTICS

Route 230



Period	12	13	1/18	2	3	4	5	6	7	8	9	10	11
P12 1718 to P11 1819	88.50	82.70	78.30	69.20	84.10	81.00	91.50	84.90	82.40	81.00	77.10	84.30	83.60
Min Standard													

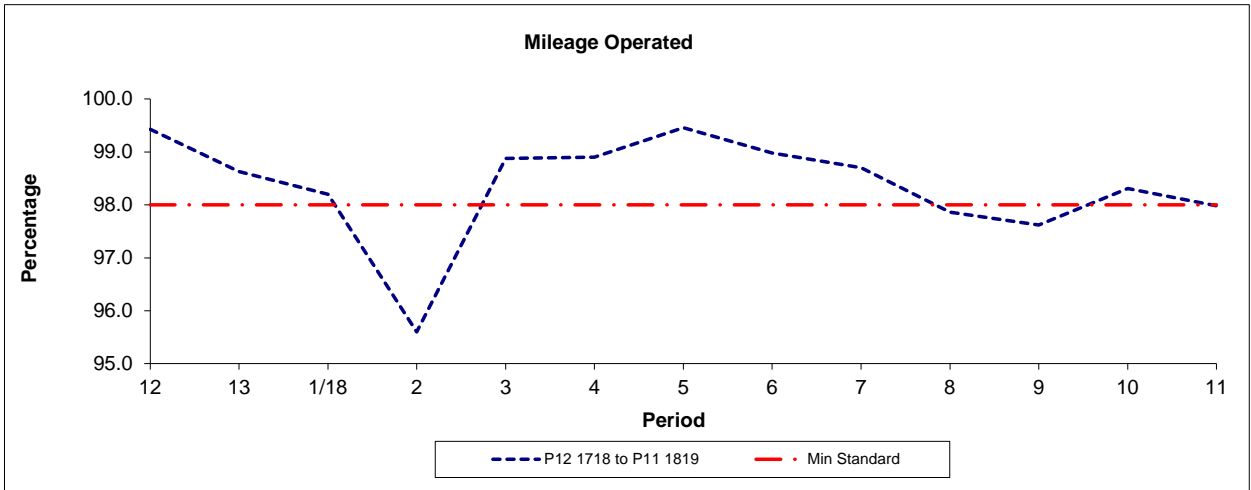


Period	12	13	1/18	2	3	4	5	6	7	8	9	10	11
P12 1718 to P11 1819	1.7	0.8	1.1	1.5	0.8	0.7	1.2	1.0	1.0	1.3	1.4	2.0	1.5
Benchmark													

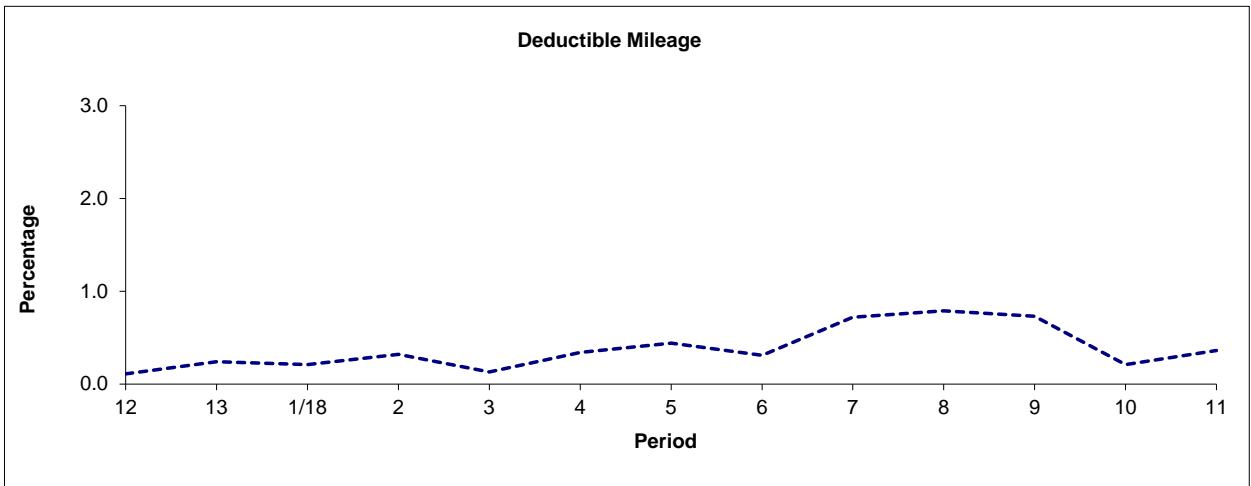
Note : Reliability is actual performance under full iBus (4 weeks data).
Minimum Standards and Benchmarks are those applicable under the new contract.

PART B - PERFORMANCE STATISTICS

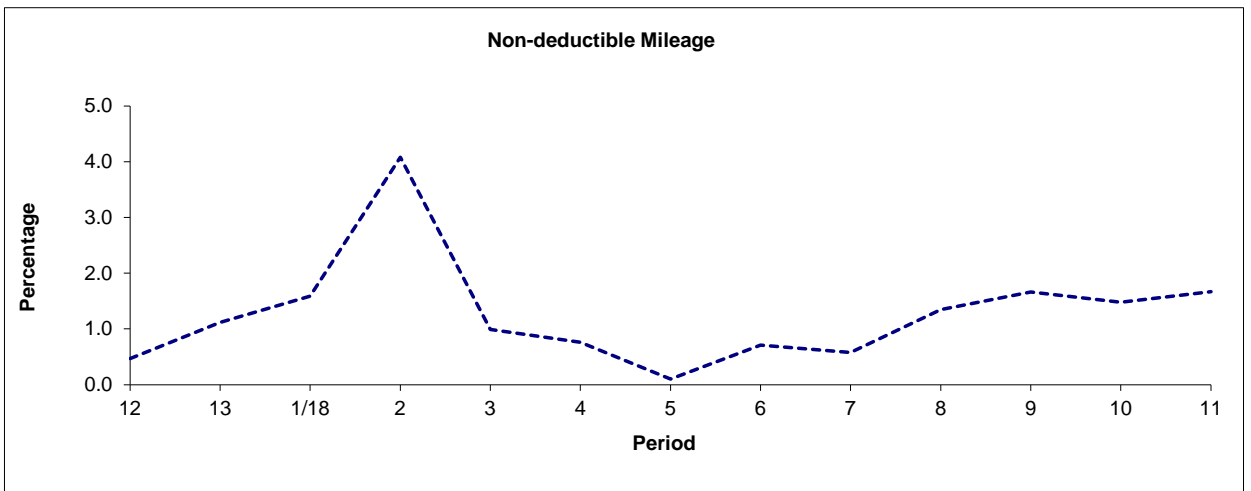
Route 230



Period	12	13	1/18	2	3	4	5	6	7	8	9	10	11
P12 1718 to P11 1819	99.43	98.63	98.20	95.60	98.88	98.90	99.46	98.98	98.70	97.86	97.62	98.31	97.98
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	12	13	1/18	2	3	4	5	6	7	8	9	10	11
P12 1718 to P11 1819	0.11	0.24	0.21	0.32	0.13	0.34	0.44	0.31	0.72	0.79	0.73	0.21	0.36



Period	12	13	1/18	2	3	4	5	6	7	8	9	10	11
P12 1718 to P11 1819	0.47	1.12	1.59	4.08	0.99	0.76	0.10	0.71	0.58	1.35	1.66	1.48	1.67

Note: Mileage is based on 4 weeks data

ROUTE 230 - FULL iBUS RESULTS BY TIME OF DAY
QUARTERS 04/17 to 03/18 (06/01/18 - 04/01/19)

MONDAY - FRIDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	23,417	23,098	98.6	98.7	90.7	1.2	0.7	7.3
07:00 - 10:00	47,256	46,618	98.6	97.6	84.1	2.4	1.1	12.4
10:00 - 13:00	46,321	45,983	99.3	98.0	84.0	2.0	0.9	13.0
13:00 - 16:00	46,272	45,102	97.5	97.3	82.9	2.9	1.3	12.9
16:00 - 19:00	46,493	44,859	96.5	93.3	74.1	6.9	1.8	17.1
19:00 - 22:00	49,321	48,499	98.3	97.0	87.1	3.5	1.3	8.1
22:00 - 24:00	31,762	31,735	99.9	99.1	92.9	0.9	0.8	5.3
All Locations Summary	290,842	285,894	98.3	97.1	82.5	3.5	1.3	12.8

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	4,662	4,574	98.1	99.3	92.6	0.9	0.6	5.9
07:00 - 10:00	8,271	8,305	100.4	99.2	89.0	0.9	0.6	9.5
10:00 - 13:00	9,815	9,618	98.0	97.1	77.0	3.0	1.0	18.9
13:00 - 16:00	9,680	9,344	96.5	94.1	72.0	6.1	2.0	19.8
16:00 - 19:00	9,832	9,672	98.4	94.6	76.0	5.7	1.7	16.7
19:00 - 22:00	10,134	9,998	98.7	97.1	83.5	3.1	1.1	12.2
22:00 - 24:00	6,492	6,552	100.9	98.1	86.6	2.0	0.6	10.7
All Locations Summary	58,886	58,063	98.6	96.8	78.8	4.0	1.3	15.9

SUNDAY AND BANK HOLIDAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	1,374	1,279	93.1	98.0	88.6	2.0	0.1	9.3
07:00 - 10:00	6,735	6,690	99.3	98.8	88.5	1.2	0.4	10.0
10:00 - 13:00	10,743	10,630	98.9	98.3	83.8	1.8	1.0	13.4
13:00 - 16:00	10,819	10,489	96.9	95.4	75.4	4.8	1.1	18.7
16:00 - 19:00	10,815	10,767	99.6	97.1	84.4	3.0	1.3	11.3
19:00 - 22:00	11,181	11,019	98.6	98.9	90.6	1.1	1.2	7.1
22:00 - 24:00	7,351	7,403	100.7	99.1	90.7	0.9	0.8	7.6
All Locations Summary	59,018	58,277	98.7	97.8	83.7	2.6	1.0	12.7

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	29,453	28,951	98.3	98.8	90.8	1.2	0.7	7.3
07:00 - 10:00	62,262	61,613	99.0	97.9	84.7	2.2	1.0	12.1
10:00 - 13:00	66,879	66,231	99.0	97.9	82.9	2.1	0.9	14.0
13:00 - 16:00	66,771	64,935	97.3	96.5	80.5	3.6	1.4	14.6
16:00 - 19:00	67,140	65,298	97.3	94.1	75.4	6.4	1.8	16.5
19:00 - 22:00	70,636	69,516	98.4	97.3	87.0	3.1	1.3	8.6
22:00 - 24:00	45,605	45,690	100.2	98.9	91.6	1.1	0.8	6.5
All Locations Summary	408,746	402,234	98.4	97.1	82.1	3.5	1.3	13.1

Transport for London - Live Mileage List

Route: 230

Service Change: 51112

Date: 19/01/2019

Reason for Issue

QSI points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
UPRWBA	BP1311	Fyfield Road		
	BP1310	Wood Street Station	478	0.30
	BP1308	Chestnut Avenue North	211	0.13
	BP1309	Woodside Park Avenue	219	0.14
WHPCWL	BP6288	Whipps Cross Bus Stand	466	0.29
	14272	Whipps Cross / Wood Street	281	0.17
	14270	Peterborough Road	269	0.17
	14266	Essex Road	217	0.13
	34357	Leyton Green Road	227	0.14
	7968	Lea Bridge Road / Bakers Arms	535	0.33
LEYTBAH	7966	Hoe Street / Bakers Arms	213	0.13
	7963	Grove Road	337	0.21
	7960	Queen's Road	281	0.17
WSTCSN	BP4272	Walthamstow Bus Station	563	0.35
	R0034	Selborne Walk	383	0.24
	FC80	South Grove	518	0.32
	R0033	St James's Street Station	371	0.23
	10308	Hazelwood Road	176	0.11
	25484	Longfield Avenue	344	0.21
BHRDSN	10316	Blackhorse Road Station	293	0.18
	6666	Blackhorse Road Stn / Blackhorse Ln	119	0.07
	6665	Ferry Lane Industrial Estate	204	0.13
	6662	Walthamstow Wetlands / Ferry Boat Inn	519	0.32
	BP1062	Bream Close	213	0.13
	6661	Mill Mead Road	308	0.19
TTHLBS	BP5887	Tottenham Hale Bus Station	335	0.21
	BP5758	Park View Road	497	0.31
TOTTHP	26454	Tottenham Bus Garage	394	0.24
	26452	Winchelsea Road	290	0.18
	26450	Mount Pleasant Road	246	0.15
	26448	Summerhill Road	309	0.19
	26446	Philip Lane	496	0.31
WESGGB	16091	Black Boy Lane	186	0.12
	16089	West Green Primary School	252	0.16
	16982	Stanley Road	284	0.18
	33971	Willow Walk	164	0.10
TLSNGL	29775	Turnpike Lane Station	366	0.23
	9984	Brampton Park Road	396	0.25
WDGNHR	30743	Wood Green Station	485	0.30
Total Route Mileage - Out Direction			12445	7.73
			Metres	Miles

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New Contract

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
WDGNHR	BP1795	Lordship Lane		
	BP2778	Brampton Park Road	449	0.28
	70351	Coleraine Road	256	0.16
TLSNGL	3617	Turnpike Lane Station	233	0.14
	26973	Willow Walk	271	0.17
	16088	Stanley Road	202	0.13
	16090	West Green Primary School	380	0.24
WESGBB	26445	Philip Lane	354	0.22
	26447	Summerhill Road	354	0.22
	26449	Mount Pleasant Road	353	0.22
	26451	Winchelsea Road	231	0.14
TOTTHP	26453	Tottenham Bus Garage	307	0.19
	34287	Tottenham High Road	218	0.14
	36850	Park View Road	258	0.16
TTHLBS	BP5885	Tottenham Hale Bus Station	583	0.36
	6617	Mill Mead Road	209	0.13
	6618	Walthamstow Wetlands / Ferry Boat Inn	344	0.21
BHRDSN	10317	Blackhorse Road Station	1082	0.67
	10313	Longfield Avenue	270	0.17
	10309	Walthamstow Market	370	0.23
	R0031	St James's Street Station	211	0.13
	BP2753	South Grove	378	0.23
	R0035	Selborne Walk / Vernon Road	307	0.19
	BP4871	Selborne Walk	160	0.10
	BP3899	Walthamstow Central Station	139	0.09
WSTCSN	BP4271	Walthamstow Bus Station	276	0.17
	11481	Grosvenor Park Road	628	0.39
	7962	Grove Road	252	0.16
	7964	Bakers Avenue	196	0.12
LEYTBAE	10468	Lea Bridge Road / Bakers Arms	282	0.18
	14265	Leyton Green Road	276	0.17
	14267	S hernhall Street	191	0.12
	14269	Peterborough Road	244	0.15
WHPCLB	14271	Whipps Cross / Wood Street	216	0.13
	BP1314	Woodside Park Avenue	231	0.14
	BP1313	Chestnut Avenue North	235	0.15
	BP1312	Wood Street Station	268	0.17
	H0845	Bisterne Avenue	456	0.28
UPRWBA	BP1311	Fyfield Road	244	0.15
Total Route Mileage - Back Direction			11914	7.40
			Metres	Miles