

7. Service Specification

Route: W19

Contract Reference: QC53502

This Service Specification forms section 7 of the ITT and should be read in conjunction with the ITT document, Version 1 dated 29 September 2011.

You are formally invited to tender for the provision of the bus service detailed below and in accordance with this Service Specification. Tenderers must ensure that a Compliant Tender is submitted and this will only be considered for evaluation if all parts of the Tender documents, as set out in section 11, have been received by the Corporation by the Date of Tender. The Tender must be fully completed in the required format, in accordance with the Instructions to Tenderers. A Compliant Tender must comply fully with the requirements of the Framework Agreement; adhere to the requirements of the Service Specification; and reflect the price of operating the Services with new vehicles.

Route Number	W19
Terminus Points	Option 1: Walthamstow, Argall Avenue/Walthamstow, South Grove and Ilford High Road, Hainault Street Option 2: Lea Bridge Road Station, Argall Avenue and Ilford High Road, Hainault Street
Contract Basis	Incentivised
Commencement Date	26 th November 2016
Vehicle Type	Option 1: 50 capacity, dual door, single deck, minimum 9.6m long Option 2: 60 capacity, dual door, single deck, minimum 10.8m long, subject to a satisfactory route test
Current Maximum Approved Dimensions	9.6 metres long and 2.44 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard (Option 1)	Average Excess Wait Time - No more than 1.10 minutes
Extension Threshold (Option 1)	Average Excess Wait Time Threshold - 1.00 minutes
Minimum Performance Standard (Option 2)	Average Excess Wait Time - No more than 1.20 minutes
Extension Threshold (Option 2)	Average Excess Wait Time Threshold - 1.10 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 7th December 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 (OPTIONS 1 & 2), CURRENT PERFORMANCE, QSI BY TIME OF DAY, IBUS MILEAGE & QSI POINTS (OPTIONS 1 & 2)

2) NOTES

Proposed Changes:

At this time, the Corporation expects to implement a change to the existing service prior to the commencement of the new Route Agreement for Route No. W19.

- Ex Walthamstow, Argall Avenue, one peak flow journey is specified during the Mondays to Fridays AM peak between 1555 and 1655 to provide a frequency of every 12 minutes to arrive at Leytonstone Station, Plaza between 1630 and 1730.
- Ex Ilford High Road, Hainault Street, one peak flow journey is specified during the Mondays to Fridays AM peak between 0730 and 0830 to provide a frequency of every 12 minutes to arrive at Leytonstone Station, Plaza between 0800 and 0900.

Please note, the above journeys will be withdrawn when the new contract commences.

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:

Two structural and vehicle options are specified:

Option 1

- No changes to the current structure and vehicle type are proposed.

Option 2

- Route No. W19 is re-structured to operate between Lea Bridge Road Station, Argall Avenue and Ilford High Road, Hainault Street at all times of the day.
- Route No. W19 is specified to terminate at Lea Bridge Road Station, Argall Avenue. Tenderers should assume that a suitable stand will be made available adjacent to the station entrance. Buses would no longer need to terminate at South Grove in the evening.
- **Please see Section 5 for a full list of streets traversed and standing arrangements.**
- Departures ex Lea Bridge Road Station are back projected by 5 minutes from Walthamstow, Argall Avenue.
- An additional 5 minutes **in each direction** would be required to access the new stand. Buses will set down and pick on stand.
- 60 capacity, dual door, single deck, minimum 10.8m long buses are specified, subject to a satisfactory route test.

Options 1 & 2

- Change in categorisation of Route No. W19 from low frequency to high frequency.
- Mondays to Saturdays daytime frequencies are increased from every 15 minutes to every 12 minutes
- As a result of the Mondays to Fridays daytime frequency increase, the frequency of the one additional Mondays to Fridays AM peak flow journey ex Ilford High Road, Hainault Street increases from every 12 minutes to every 10 minutes.
- All evenings and Sundays daytime frequencies are increased from every 30 minutes to every 20 minutes.

2) NOTES - Continued

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.**

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

OPTION 1

Walthamstow, Argall Avenue/Walthamstow, South Grove to Ilford High Road, Hainault Street			Ilford High Road, Hainault Street to Walthamstow, Argall Avenue/Walthamstow, South Grove		
First departure no later than 0555.			First departure no later than 0555.		
0550 - 0655	Every 30 minutes		0550 - 0625	Every 30 minutes	
0656 - 0755	Every 20 minutes		0626 - 0645	Every 20 minutes	
0756 - 1945	Every 12 minutes		0646 - 0735	Every 12 minutes	
1946 - 2020*	Every 15 minutes		0736 - 0835	Every 10 minutes	
2021 - 2345*	Every 20 minutes		0836 - 1855	Every 12 minutes	
			1856 - 1940*	Every 15 minutes	
			1941 - 2345*	Every 20 minutes	
Last departure no earlier than 2340.			Last departure no earlier than 2340.		
Pinchpoints					
Manor Park Station	0745 - 0845	20 minutes	Leyton, Bakers Arms, Leyton High Road	0735 - 0825	12 minutes
	0846 - 0915	12 minutes		0826 - 0925	10 minutes
	1455 - 1630	12 minutes		1500 - 1635	12 minutes

***After 2000 and until last bus, the terminus is Walthamstow, South Grove due to access restrictions to the industrial estate on Argall Avenue**

Buses should depart/arrive from/at Walthamstow, Argall Avenue no later than 2000.

OPTION 2

Lea Bridge Road Station, Argall Avenue to Ilford High Road, Hainault Street			Ilford High Road, Hainault Street to Lea Bridge Road Station, Argall Avenue		
First departure no later than 0550.			First departure no later than 0555.		
0545 - 0650	Every 30 minutes		0550 - 0625	Every 30 minutes	
0651 - 0750	Every 20 minutes		0626 - 0645	Every 20 minutes	
0751 - 1940	Every 12 minutes		0646 - 0735	Every 12 minutes	
1941 - 2015	Every 15 minutes		0736 - 0835	Every 10 minutes	
2016 - 2340	Every 20 minutes		0836 - 1855	Every 12 minutes	
			1856 - 1940	Every 15 minutes	
			1941 - 2345	Every 20 minutes	
Last departure no earlier than 2335.			Last departure no earlier than 2340.		
Pinchpoints					
Manor Park Station	0745 - 0845	20 minutes	Leyton, Bakers Arms, Leyton High Road	0735 - 0825	12 minutes
	0846 - 0915	12 minutes		0826 - 0925	10 minutes
	1455 - 1630	12 minutes		1500 - 1635	12 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - Continued

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

OPTION 1

Walthamstow, Argall Avenue/Walthamstow, South Grove to Ilford High Road, Hainault Street			Ilford High Road, Hainault Street to Walthamstow, Argall Avenue/Walthamstow, South Grove		
First departure no later than 0555.			First departure no later than 0555.		
0550 - 0655	Every 30 minutes		0550 - 0725	Every 30 minutes	
0656 - 0755	Every 20 minutes		0726 - 0745	Every 20 minutes	
0756 - 1900	Every 12 minutes		0746 - 1855	Every 12 minutes	
1901 - 2020*	Every 15 minutes		1856 - 1940*	Every 15 minutes	
2021 - 2345*	Every 20 minutes		1941 - 2345*	Every 20 minutes	
Last departure no earlier than 2340.			Last departure no earlier than 2340.		
Pinchpoints					
Manor Park Station	0830 - 1105	12 minutes	Leyton, Bakers Arms, Leyton High Road	0820 - 1110	12 minutes

***After 2000 and until last bus, the terminus is Walthamstow, South Grove due to access restrictions to the industrial estate on Argall Avenue**

Buses should depart/arrive from/at Walthamstow, Argall Avenue no later than 2000.

OPTION 2

Lea Bridge Road Station, Argall Avenue to Ilford High Road, Hainault Street			Ilford High Road, Hainault Street to Lea Bridge Road Station, Argall Avenue		
First departure no later than 0550.			First departure no later than 0555.		
0545 - 0650	Every 30 minutes		0550 - 0725	Every 30 minutes	
0651 - 0750	Every 20 minutes		0726 - 0745	Every 20 minutes	
0751 - 1855	Every 12 minutes		0746 - 1855	Every 12 minutes	
1856 - 2015	Every 15 minutes		1856 - 1940	Every 15 minutes	
2016 - 2340	Every 20 minutes		1941 - 2345	Every 20 minutes	
Last departure no earlier than 2335.			Last departure no earlier than 2340.		
Pinchpoints					
Manor Park Station	0830 - 1105	12 minutes	Leyton, Bakers Arms, Leyton High Road	0820 - 1110	12 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - Continued

3.3) SUNDAY AND PUBLIC HOLIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

OPTION 1

Walthamstow, Argall Avenue/Walthamstow, South Grove to Ilford High Road, Hainault Street		Ilford High Road, Hainault Street to Walthamstow, Argall Avenue/Walthamstow, South Grove			
First departure no later than 0735.		First departure no later than 0705.			
0730 - 0935	Every 30 minutes	0700 - 0900	Every 30 minutes		
0936 - 2345*	Every 20 minutes	0901 - 2345*	Every 20 minutes		
Last departure no earlier than 2340.		Last departure no earlier than 2340.			
Pinchpoints					
Manor Park Station	1015 - 1135	20 minutes	Leyton, Bakers Arms, Leyton High Road	0955 - 1135	20 minutes

***After 2000 and until last bus, the terminus is Walthamstow, South Grove due to access restrictions to the industrial estate on Argall Avenue**

Buses should depart/arrive from/at Walthamstow, Argall Avenue no later than 2000.

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

OPTION 2

Lea Bridge Road Station, Argall Avenue to Ilford High Road, Hainault Street		Ilford High Road, Hainault Street to Lea Bridge Road Station, Argall Avenue			
First departure no later than 0730.		First departure no later than 0705.			
0725 - 0930	Every 30 minutes	0700 - 0900	Every 30 minutes		
0931 - 2340	Every 20 minutes	0901 - 2345	Every 20 minutes		
Last departure no earlier than 2335.		Last departure no earlier than 2340.			
Pinchpoints					
Manor Park Station	1015 - 1135	20 minutes	Leyton, Bakers Arms, Leyton High Road	0955 - 1135	20 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. W19 should be separated from Route No. W15 between Walthamstow Central Station and Leytonstone Station, Plaza during all periods, where possible.
- 4.2) A low bridge at Whipps Cross Hospital precludes the use of double deck buses on Route No. W19.**
- 4.3) Route No. W19 can suffer from unpredictable traffic delays in the Walthamstow, Leytonstone and Ilford areas.
- 4.4) Walthamstow Market may also cause delays to the Saturday service in the Walthamstow area.
- 4.5) Route No. W19 may also be affected by traffic delays during the weekend on Leytonstone High Road (at the junction with Gainsborough Road) due to traffic accessing Leytonstone, Tesco.
- 4.6) Smaller buses are used on Route No. W19 due to physical constraints at the turnaround on Argall Avenue.
- 4.7) TfL are working with the London Borough of Waltham Forest with regard to securing a new stand and turning facility at Lea Bridge Road Station.
- 4.8) TfL are working with the London Borough of Waltham Forest regarding the opening of a road closure which would allow Route No. W19 to avoid the council depot.

5) ROUTE RECORD (OPTIONS 1 & 2), CURRENT PERFORMANCE, QSI BY TIME OF DAY, IBUS MILEAGE & QSI POINTS (OPTIONS 1 & 2)

- 5.1) ROUTE RECORD (OPTIONS 1 & 2)
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 (OPTIONS 1 & 2)
As per current print out.

LONDON BUSES - ROUTE DESCRIPTION

ROUTE W19: Walthamstow, Argall Avenue - Ilford High Road, Hainault Street

Date of Structural Change: 26 November 2016.

Date of Service Change: 26 November 2016.

Reason for Issue: {To be specified}.

STREETS TRAVERSED

Towards Ilford High Road, Hainault Street: Argall Avenue, Argall Avenue Roundabout, Argall Avenue, South Access Road, Markhouse Avenue, Markhouse Road, South Grove, Selborne Road, Walthamstow Central Bus Station, Selborne Road, Hoe Street, Lea Bridge Road, Whipps Cross, Whipps Cross Roundabout, Whipps Cross Road, Private Road In Whipps Cross Hospital Grounds, James Lane, Essex Road South, Hainault Road, Fairlop Road, Grove Green Road, Leytonstone Station Plaza, Grove Green Road, Gainsborough Road, Leytonstone High Road, Bush Road, Blake Hall Road, Aldersbrook Road, Forest Drive, Station Road, Romford Road, Ilford Hill, Chapel Road, Winston Way, Handforth Road, Clements Road, Ilford High Road.

Towards Walthamstow, Argall Avenue: Ilford High Road, Clements Road, Ilford High Road, Chapel Road, Ilford Hill, Romford Road, Station Road, Forest Drive, Aldersbrook Road, Blake Hall Road, Bush Road, Leytonstone High Road, Gainsborough Road, Grove Green Road, Leytonstone Station Plaza, Fairlop Road, Hainault Road, Essex Road South, James Lane, Private Road In Whipps Cross Hospital Grounds, Whipps Cross Road, Whipps Cross Roundabout, 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, Markhouse Avenue, South Access Road, Argall 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.

WALTHAMSTOW, ARGALL AVENUE

Public stand for 2 buses on east side of Argall Avenue (east arm) north of roundabout commencing level with lamp standard No. 18 and extending 20 metres north.

Buses proceed from Argall Avenue direct to stand, departing via Argall Avenue and Argall Avenue Roundabout to Argall Avenue. Set down in Argall Avenue, at Stop AP (BP3987 - Argall Avenue, Last Stop on LOR: BP3987 - Argall Avenue) and pick up in Argall Avenue, at Stop AS (BP3989 - Staffa Road, First Stop on LOR: BP3989 - Staffa Road).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route W19 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:	Walthamstow, Argall Avenue.

WALTHAMSTOW, SOUTH GROVE (from ILFORD HIGH ROAD, HAINAULT STREET)

Public stand for three buses commencing 20 metres to the rear of bus stop BP 2753 (point letter U) on north side of South Grove and extending 30 metres west.

Buses proceed from South Grove via circumnavigate roundabout at junction with Markhouse Road and South Grove to stand, departing to South Grove. Set down in South Grove, at Stop X (FC80 - South Grove, Last Stop on LOR: FC80 - South Grove) and pick up in South Grove, at Stop U (BP2753 - South Grove, First Stop on LOR: BP2753 - South Grove).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route W19 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 James Street.

WALTHAMSTOW CENTRAL BUS STATION (from ILFORD HIGH ROAD, HAINAULT STREET)

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.

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 <>).

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.

WHIPPS CROSS ROUNDABOUT

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

From Ilford High Road, Hainault Street.

Buses proceed from Whipps Cross Roundabout direct to stand, departing via Whipps Cross Roundabout and Whipps Cross Road to Private Road In Whipps Cross Hospital Grounds. Set down in Whipps Cross Roundabout, at Stop C (14274 - Whipps Cross Roundabout, Last Stop on LOR: 14274 - Whipps Cross Roundabout) and pick up in Private Road In Whipps Cross Hospital Grounds, at Stop K (LE239 - Whipps Cross Hospital / Main Entrance, First Stop on LOR: LE239 - Whipps Cross Hospital / Main Entrance).

From Walthamstow, Argall Avenue.

Buses proceed from Whipps Cross via Whipps Cross Roundabout to stand, departing to Whipps Cross Roundabout. Set down in Lea Bridge Road, at Stop A (14271 - Whipps Cross / Wood Street, Last Stop on LOR: 14271 - Whipps Cross / Wood Street) and pick up in Whipps Cross Roundabout, at Stop C (14274 - Whipps Cross Roundabout, First Stop on LOR: 14274 - Whipps Cross 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:	Whipps Cross.

LEYTONSTONE STATION, PLAZA

Private stand for one bus on the eastern arm of the Plaza between Fillebrook Road and Leytonstone Station at bus stop BP1792 (point letter C).

From Ilford High Road, Hainault Street.

Buses proceed from Leytonstone Station Plaza direct to stand, departing to Leytonstone Station Plaza. Set down in Leytonstone Station Plaza, at Stop C (BP1792 - Leytonstone Station <>/ Grove Green Road, Last Stop on LOR: BP3746 - Gainsborough Road) and pick up in Leytonstone Station Plaza, at Stop B (BP1791 - Leytonstone Station <> / Grove Green Road, First Stop on LOR: BP1791 - Leytonstone Station <> / Grove Green Road).

From Walthamstow, Argall Avenue.

Buses proceed from Leytonstone Station Plaza direct to stand, departing to Leytonstone Station Plaza. Set down in Leytonstone Station Plaza, at Stop B (BP1792 - Leytonstone Station <>/ Grove Green Road, Last Stop on LOR: 18000 - Clarendon Road) and pick up in Leytonstone Station Plaza, at Stop A (BP1790 - Leytonstone Station <> / Grove Green Road, First Stop on LOR: BP1790 - Leytonstone Station <> / Grove Green 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:	Leytonstone.

ALDERSBROOK ROAD, QUEENSWOOD GARDENS

From Ilford High Road, Hainault Street.

Buses proceed from Aldersbrook Road via Centre Road, Woodford Road, Dames Road, Bective Road, Woodford Road and Centre Road departing to Aldersbrook Road. Set down in Aldersbrook Road, at Stop R (3299 - Queenswood Gardens, Last Stop on LOR: 3299 - Queenswood Gardens) and pick up in Aldersbrook Road, at Stop B (3305 - Queenswood Gardens, First Stop on LOR: 3305 - Queenswood Gardens).

From Walthamstow, Argall Avenue.

Buses proceed from Blake Hall Road via Centre Road, Woodford Road, Dames Road, Bective Road, Woodford Road and Centre Road departing to Blake Hall Road. Set down in Blake Hall Road, at Stop A (9313 - Blake Hall Crescent, Last Stop on LOR: 9313 - Blake Hall Crescent) and pick up in Blake Hall Road, at Stop S (9316 - Blake Hall Crescent, First Stop on LOR: 9316 - Blake Hall Crescent).

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

MANOR PARK STATION, GLADDING ROAD (from Walthamstow, Argall Avenue)

Public stand for two buses on west side of Gladding Road, commencing 18 metres south of centre of Capel Road and extending 24 metres south.

Buses proceed from Forest Drive via Whitta Road and Gladding Road to stand, departing via Gladding Road and Capel Road to Forest Drive. Set down in Forest Drive, at Stop H (2915 - Capel Road, Last Stop on LOR: 2915 - Capel Road) and pick up in Forest Drive, at Stop J (2917 - City Of London Cemetery, First Stop on LOR: 2917 - City Of London Cemetery).

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: Manor Park.

ILFORD BROADWAY (from Walthamstow, Argall Avenue)

Buses proceed from Ilford Hill departing to Chapel Road. Set down in Ilford Hill, at Stop F (R0757 - Ilford Hill, Last Stop on LOR: R0757 - Ilford Hill) and pick up in Chapel Road, at Stop Y (BP1379 - Chapel Road, First Stop on LOR: BP1379 - Chapel Road).

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

ILFORD, HAINAULT STREET

Private stand for 17 buses standing abreast in marked bays in Bus Parking Area on east side of Hainault Street, with the first 4 bays (nearest entrance) restricted to midi-buses. Buses proceed from Ilford High Road via Hainault Street and Ilford Bus Station to stand, departing via Ilford Bus Station, Ley Street and Hainault Street to Ilford High Road. Set down in Ilford High Road, at Stop S (R0868 - Hainault Street, Last Stop on LOR: R0868 - Hainault Street) and pick up in Ilford High Road, at Stop V (FC41 - Hainault Street, First Stop on LOR: FC41 - Hainault Street).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route W19 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: Ilford.
OTHER INFORMATION: 24 hour toilets available.

LONDON BUSES - ROUTE DESCRIPTION

ROUTE W19: Walthamstow, Argall Avenue - Ilford High Road, Hainault Street

Date of Structural Change: 27 November 2016.

Date of Service Change: 27 November 2016.

Reason for Issue: {To be specified}.

STREETS TRAVERSED

Towards Ilford High Road, Hainault Street: Argall Avenue, South Access Road, Markhouse Avenue, Markhouse Road, South Grove, Selborne Road, Walthamstow Central Bus Station, Selborne Road, Hoe Street, Lea Bridge Road, Whipps Cross, Whipps Cross Roundabout, Whipps Cross Road, Private Road In Whipps Cross Hospital Grounds, James Lane, Essex Road South, Hainault Road, Fairlop Road, Grove Green Road, Leytonstone Station Plaza, Grove Green Road, Gainsborough Road, Leytonstone High Road, Bush Road, Blake Hall Road, Aldersbrook Road, Forest Drive, Station Road, Romford Road, Ilford Hill, Chapel Road, Winston Way, Handforth Road, Clements Road, Ilford High Road.

Towards Walthamstow, Argall Avenue: Ilford High Road, Clements Road, Ilford High Road, Chapel Road, Ilford Hill, Romford Road, Station Road, Forest Drive, Aldersbrook Road, Blake Hall Road, Bush Road, Leytonstone High Road, Gainsborough Road, Grove Green Road, Leytonstone Station Plaza, Fairlop Road, Hainault Road, Essex Road South, James Lane, Private Road In Whipps Cross Hospital Grounds, Whipps Cross Road, Whipps Cross Roundabout, 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, Markhouse Avenue, South Access Road, Argall 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.

ARGALL WAY LEA BRIDGE ROAD TEMPORARY STAND

Temporary Bus Stand on Argall Way opposite Orient Way.
Buses proceed from Argall Avenue via Argall Avenue Roundabout, Argall Avenue and Argall Way to stand, departing via Argall Way, Argall Avenue and Argall Avenue Roundabout to Argall Avenue. Set down on stand, AP, Last Stop on LOR: BP3987 - Argall Avenue) and pick up on stand, AT, First Stop on LOR: BP3988 - Argall Avenue Industrial Estate).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route W19 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: Walhamstow, Argall Way.

WALTHAMSTOW, SOUTH GROVE (from ILFORD HIGH ROAD, HAINAULT STREET)

Public stand for three buses commencing 20 metres to the rear of bus stop BP 2753 (point letter U) on north side of South Grove and extending 30 metres west.
Buses proceed from South Grove via circumnavigate roundabout at junction with Markhouse Road and South Grove to stand, departing to South Grove. Set down in South Grove, at Stop X (FC80 - South Grove, Last Stop on LOR: FC80 - South Grove) and pick up in South Grove, at Stop U (BP2753 - South Grove, First Stop on LOR: BP2753 - South Grove).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route W19 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 James Street.

WALTHAMSTOW CENTRAL BUS STATION (from ILFORD HIGH ROAD, HAINAULT STREET)

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.

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 <>).

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.

WHIPPS CROSS ROUNDABOUT

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

From Ilford High Road, Hainault Street.

Buses proceed from Whipps Cross Roundabout direct to stand, departing via Whipps Cross Roundabout and Whipps Cross Road to Private Road In Whipps Cross Hospital Grounds. Set down in Whipps Cross Roundabout, at Stop C (14274 - Whipps Cross Roundabout, Last Stop on LOR: 14274 - Whipps Cross Roundabout) and pick up in Private Road In Whipps Cross Hospital Grounds, at Stop K (LE239 - Whipps Cross Hospital / Main Entrance, First Stop on LOR: LE239 - Whipps Cross Hospital / Main Entrance).

From Walthamstow, Argall Avenue.

Buses proceed from Whipps Cross via Whipps Cross Roundabout to stand, departing to Whipps Cross Roundabout. Set down in Lea Bridge Road, at Stop A (14271 - Whipps Cross / Wood Street, Last Stop on LOR: 14271 - Whipps Cross / Wood Street) and pick up in Whipps Cross Roundabout, at Stop C (14274 - Whipps Cross Roundabout, First Stop on LOR: 14274 - Whipps Cross 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:	Whipps Cross.

LEYTONSTONE STATION, PLAZA

Private stand for one bus on the eastern arm of the Plaza between Fillebrook Road and Leytonstone Station at bus stop BP1792 (point letter C).

From Ilford High Road, Hainault Street.

Buses proceed from Leytonstone Station Plaza direct to stand, departing to Leytonstone Station Plaza. Set down in Leytonstone Station Plaza, at Stop C (BP1792 - Leytonstone Station <>/ Grove Green Road, Last Stop on LOR: BP3746 - Gainsborough Road) and pick up in Leytonstone Station Plaza, at Stop B (BP1791 - Leytonstone Station <> / Grove Green Road, First Stop on LOR: BP1791 - Leytonstone Station <> / Grove Green Road).

From Walthamstow, Argall Avenue.

Buses proceed from Leytonstone Station Plaza direct to stand, departing to Leytonstone Station Plaza. Set down in Leytonstone Station Plaza, at Stop B (BP1792 - Leytonstone Station <>/ Grove Green Road, Last Stop on LOR: 18000 - Clarendon Road) and pick up in Leytonstone Station Plaza, at Stop A (BP1790 - Leytonstone Station <> / Grove Green Road, First Stop on LOR: BP1790 - Leytonstone Station <> / Grove Green 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: Leytonstone.

ALDERSBROOK ROAD, QUEENSWOOD GARDENS

From Ilford High Road, Hainault Street.

Buses proceed from Aldersbrook Road via Centre Road, Woodford Road, Dames Road, Bective Road, Woodford Road and Centre Road departing to Aldersbrook Road. Set down in Aldersbrook Road, at Stop R (3299 - Queenswood Gardens, Last Stop on LOR: 3299 - Queenswood Gardens) and pick up in Aldersbrook Road, at Stop B (3305 - Queenswood Gardens, First Stop on LOR: 3305 - Queenswood Gardens).

From Walthamstow, Argall Avenue.

Buses proceed from Blake Hall Road via Centre Road, Woodford Road, Dames Road, Bective Road, Woodford Road and Centre Road departing to Blake Hall Road. Set down in Blake Hall Road, at Stop A (9313 - Blake Hall Crescent, Last Stop on LOR: 9313 - Blake Hall Crescent) and pick up in Blake Hall Road, at Stop S (9316 - Blake Hall Crescent, First Stop on LOR: 9316 - Blake Hall Crescent).

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

MANOR PARK STATION, GLADDING ROAD (from Walthamstow, Argall Avenue)

Public stand for two buses on west side of Gladding Road, commencing 18 metres south of centre of Capel Road and extending 24 metres south.

Buses proceed from Forest Drive via Whitta Road and Gladding Road to stand, departing via Gladding Road and Capel Road to Forest Drive. Set down in Forest Drive, at Stop H (2915 - Capel Road, Last Stop on LOR: 2915 - Capel Road) and pick up in Forest Drive, at Stop J (2917 - City Of London Cemetery, First Stop on LOR: 2917 - City Of London Cemetery).

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: Manor Park.

ILFORD BROADWAY (from Walthamstow, Argall Avenue)

Buses proceed from Ilford Hill departing to Chapel Road. Set down in Ilford Hill, at Stop F (R0757 - Ilford Hill, Last Stop on LOR: R0757 - Ilford Hill) and pick up in Chapel Road, at Stop Y (BP1379 - Chapel Road, First Stop on LOR: BP1379 - Chapel Road).

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

ILFORD, HAINAULT STREET

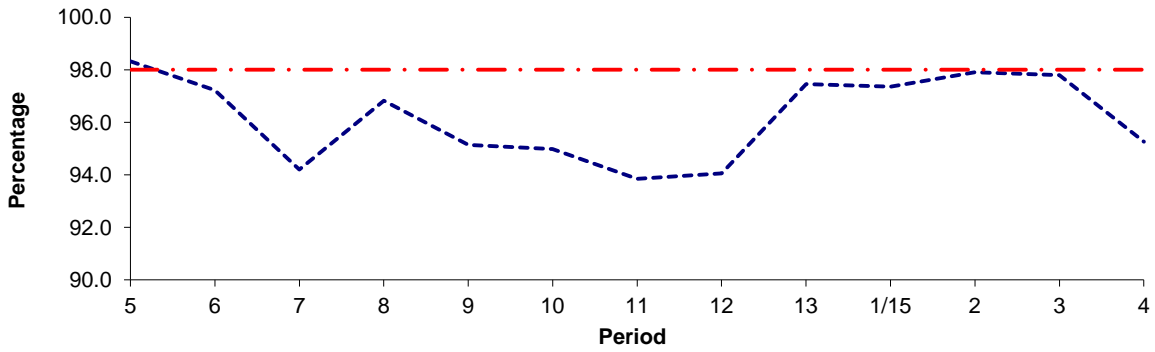
Private stand for 17 buses standing abreast in marked bays in Bus Parking Area on east side of Hainault Street, with the first 4 bays (nearest entrance) restricted to midi-buses. Buses proceed from Ilford High Road via Hainault Street and Ilford Bus Station to stand, departing via Ilford Bus Station, Ley Street and Hainault Street to Ilford High Road. Set down in Ilford High Road, at Stop S (R0868 - Hainault Street, Last Stop on LOR: R0868 - Hainault Street) and pick up in Ilford High Road, at Stop V (FC41 - Hainault Street, First Stop on LOR: FC41 - Hainault Street).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route W19 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: Ilford.
OTHER INFORMATION: 24 hour toilets available.

PART B - PERFORMANCE STATISTICS

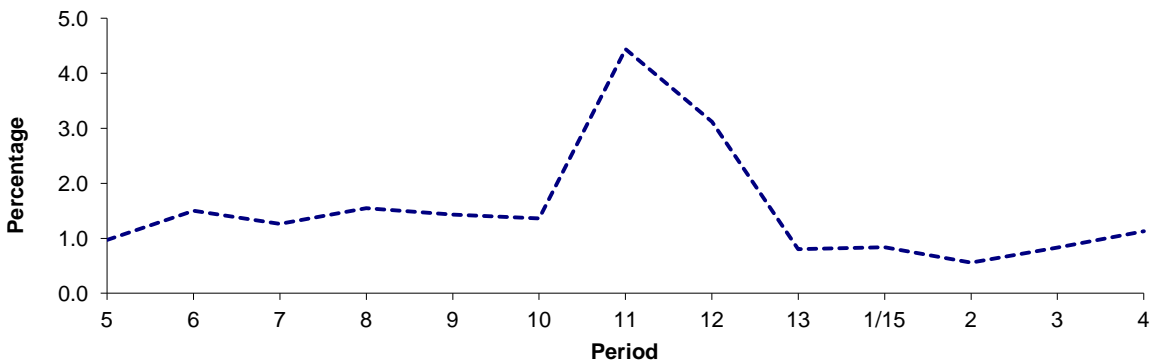
Route W19

Mileage Operated



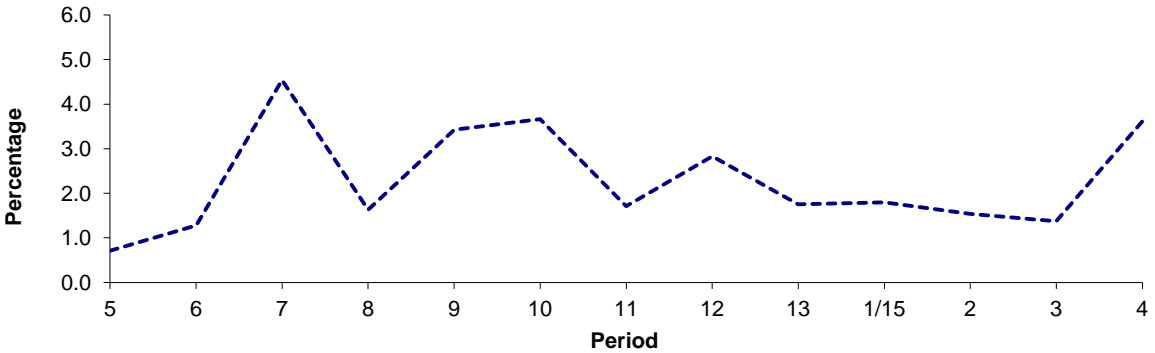
Period	5	6	7	8	9	10	11	12	13	1/15	2	3	4
2014/2015	98.32	97.22	94.20	96.82	95.14	94.98	93.85	94.05	97.45	97.36	97.90	97.80	95.26
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00

Deductible Mileage



Period	5	6	7	8	9	10	11	12	13	1/15	2	3	4
2014/2015	0.97	1.50	1.26	1.55	1.43	1.36	4.44	3.12	0.80	0.84	0.56	0.83	1.13

Non Deductible Mileage

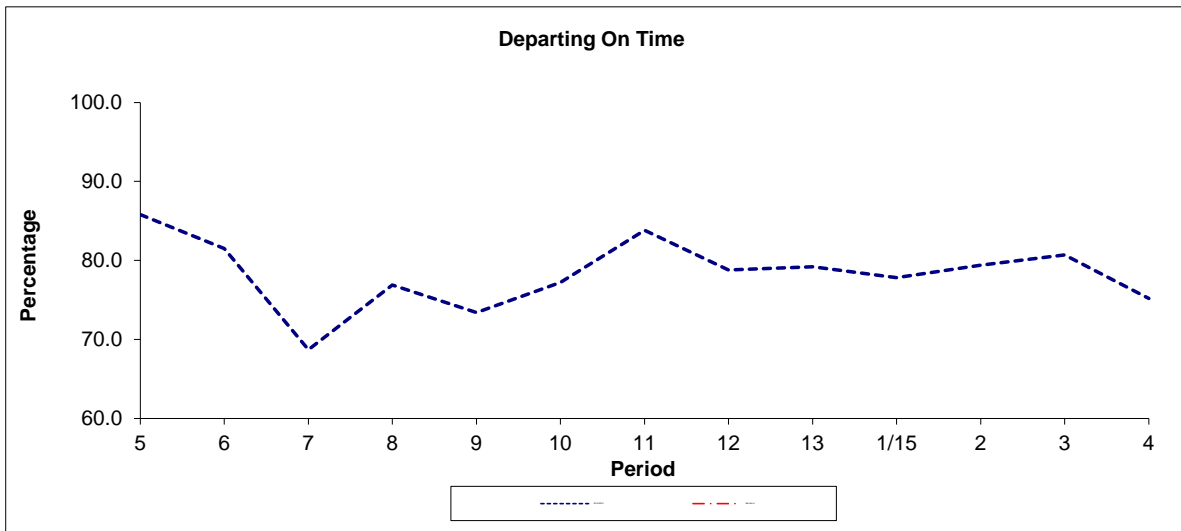


Period	5	6	7	8	9	10	11	12	13	1/15	2	3	4
2014/2015	0.71	1.28	4.54	1.63	3.43	3.66	1.71	2.83	1.75	1.80	1.54	1.37	3.61

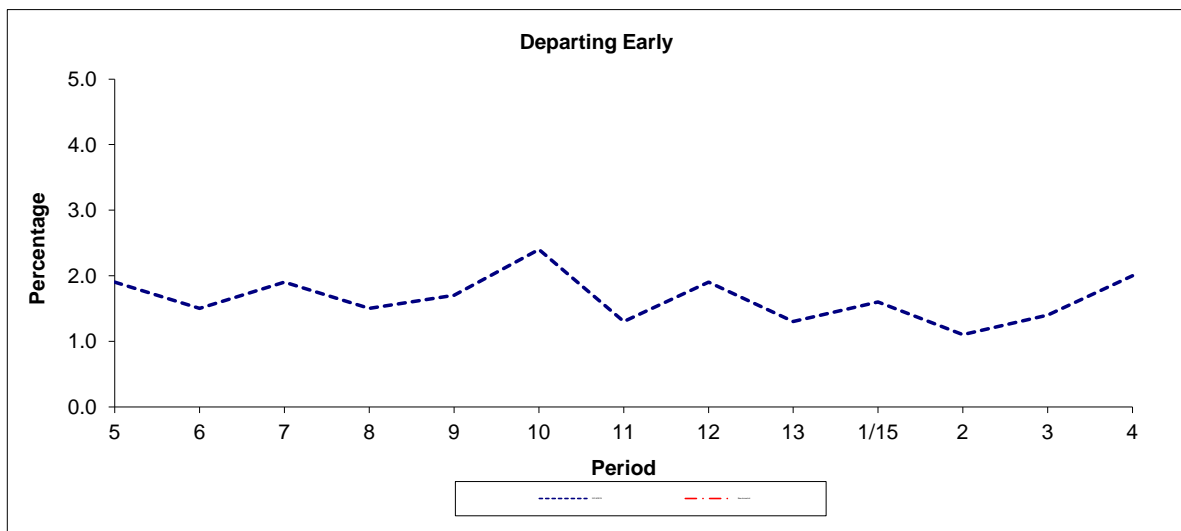
Note : Mileage is based on 4 weeks data
 Deductible Mileage was adversely affected by industrial action in periods 11 and 12 14/15.

PART B - PERFORMANCE STATISTICS

Route W19



Period	5	6	7	8	9	10	11	12	13	1/15	2	3	4
2014/2015	85.8	81.5	68.7	76.9	73.4	77.2	83.8	78.8	79.2	77.8	79.4	80.7	75.2
Min Std #													



Period	5	6	7	8	9	10	11	12	13	1/15	2	3	4
2014/2015	1.9	1.5	1.9	1.5	1.7	2.4	1.3	1.9	1.3	1.6	1.1	1.4	2.0
Benchmark #													

Note : Reliability is actual performance under full iBus (4 weeks data).
 # A high frequency minimum standard of 1.10 minutes EWT and Long Gaps benchmark of 1.3% applies under the new contract.

ROUTE W19 - FULL iBUS RESULTS BY TIME OF DAY
QUARTER 2 14/15 TO QUARTER 1 15/16 (21/06/14 - 26/0615)

MONDAY - FRIDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	8,373.	7,549.	90.2	95.3	84.3	4.5	0.3	10.9
07:00 - 10:00	46,368.	44,210.	95.3	93.9	81.0	6.1	1.3	11.5
10:00 - 13:00	47,366.	46,381.	97.9	96.9	83.1	3.1	1.0	12.7
13:00 - 16:00	47,823.	45,918.	96.0	94.6	75.3	5.6	1.2	17.9
16:00 - 19:00	47,360.	45,459.	96.0	93.2	73.4	7.0	1.9	17.8
19:00 - 22:00	31,425.	30,753.	97.9	95.1	78.0	5.1	1.9	15.0
22:00 - 24:00	13,884.	13,990.	100.8	98.5	90.9	1.6	4.3	3.3
All Locations Summary	242,599.	234,260.	96.6	95.0	78.5	5.4	1.5	14.6

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	1,683.	1,585.	94.2	96.0	90.4	3.5	0.1	6.0
07:00 - 10:00	8,584.	8,525.	99.3	98.1	91.5	1.9	1.7	5.0
10:00 - 13:00	10,129.	9,654.	95.3	95.7	82.2	4.4	2.1	11.3
13:00 - 16:00	9,885.	9,337.	94.5	91.4	68.1	8.9	1.9	21.1
16:00 - 19:00	10,050.	9,698.	96.5	94.4	74.3	5.7	1.9	18.0
19:00 - 22:00	6,219.	6,180.	99.4	96.1	76.0	4.0	1.8	18.2
22:00 - 24:00	2,922.	2,917.	99.8	98.4	91.1	1.5	2.6	4.9
All Locations Summary	49,472.	47,896.	96.8	95.2	78.0	5.3	1.9	14.8

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	32.	33.	103.1	100.0	100.0	0.0	0.0	0.0
07:00 - 10:00	4,847.	4,767.	98.3	99.1	93.3	1.0	0.7	5.0
10:00 - 13:00	5,728.	5,661.	98.8	98.5	85.5	1.7	2.2	10.6
13:00 - 16:00	5,631.	5,488.	97.5	95.4	68.9	4.9	1.4	24.8
16:00 - 19:00	5,941.	5,860.	98.6	97.3	77.2	2.9	0.9	19.0
19:00 - 22:00	5,198.	5,218.	100.4	98.8	88.8	1.2	1.6	8.5
22:00 - 24:00	3,282.	3,303.	100.6	99.2	90.9	0.9	6.5	1.7
All Locations Summary	30,659.	30,330.	98.9	97.9	81.0	2.6	1.7	14.7

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	10,088.	9,167.	90.9	95.4	85.0	4.4	0.3	10.3
07:00 - 10:00	59,799.	57,502.	96.2	94.9	82.5	5.5	1.3	10.6
10:00 - 13:00	63,223.	61,696.	97.6	96.8	83.3	3.2	1.3	12.2
13:00 - 16:00	63,339.	60,743.	95.9	94.2	73.6	6.0	1.3	19.1
16:00 - 19:00	63,351.	61,017.	96.3	93.8	73.9	6.4	1.8	17.9
19:00 - 22:00	42,842.	42,151.	98.4	95.7	79.0	4.5	1.8	14.7
22:00 - 24:00	20,088.	20,210.	100.6	98.6	90.9	1.5	4.3	3.3
All Locations Summary	322,730.	312,486.	96.8	95.3	78.7	5.1	1.6	14.6

Transport for London - QSI Points and Live Mileage List

Route W19 Option 1 Ilford - Argall Avenue

Service change 36396

Date : 21/06/2014

Reason for Issue

QSI Points are highlighted

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
WSTWAA	BP3989	Staffa Road		
	BP3988	Argall Avenue Industrial Estate	373	0.23
	BP3280	Low Hall Manor Business Centre	397	0.25
	BP3759	Barn Croft Primary School	290	0.18
	10302	Markhouse Avenue	435	0.27
WSTWSG	BP2753	South Grove	310	0.19
	R0035	Selborne Walk / Vernon Road	307	0.19
	BP4871	Selborne Walk	142	0.09
	BP3899	Walthamstow Central Station	158	0.10
WSTCSN	BP4271	Walthamstow Bus Station	275	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	Shernhall Street	191	0.12
	14269	Peterborough Road	244	0.15
	14271	Whipps Cross / Wood Street	216	0.13
	LE239	Whipps Cross Hospital / Main Entrance	574	0.36
WHPCHP	LE238	Whipps Cross Hospital / A & E	378	0.23
	36569	Clare Road	270	0.17
	36567	Peterborough Road	291	0.18
	36565	Essex Road South	309	0.19
	18002	Elim Pentecostal Church	225	0.14
	18000	Clarendon Road	225	0.14
LSTNSP	BP1791	Leytonstone Station / Grove Green Road	369	0.23
	BP3990	Gainsborough Road	374	0.23
	14565	Green Man Roundabout	459	0.29
	R0026	Bush Road / Green Man Roundabout	291	0.18
	9313	Blake Hall Crescent	851	0.53
	3305	Queenswood Gardens	245	0.15
ALDBPR	9311	Park Road	487	0.30
	9309	Herongate Road	281	0.17
	9307	Empress Avenue	156	0.10
	9305	Merlin Road	171	0.11
	2918	City Of London Cemetery	287	0.18
	2915	Capel Road	499	0.31
MNPKSN	641	Manor Park Station	288	0.18
	1410	Romford Road	117	0.07
	14527	First Avenue	327	0.20
	14529	Rabbits Road	180	0.11
	14531	Seventh Avenue	218	0.14
	4645	Little Ilford Lane	375	0.23
	14540	North Circular Road	251	0.16
	R0757	Ilford Hill	430	0.27
	FC44	Chapel Road	149	0.09
	FC60	Redbridge Central Library	475	0.30
ILFDHS	R0868	Hainault Street	242	0.15
Total Route Mileage - Out Direction			14766	9.18
			Metres	Miles

TRANCHE 535

Mileage update

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ILFDHS	FC41	Hainault Street		
	BP3460	Redbridge Central Library	270	0.17
	37219	Ilford Broadway	358	0.22
	BP1379	Chapel Road	283	0.18
	14535	Dersingham Avenue	504	0.31
	3013	Little Ilford Lane	200	0.12
	14530	Rabbits Road	384	0.24
	14528	First Avenue	241	0.15
	4643	High Street North	210	0.13
MNPKSN	640	Manor Park Station	258	0.16
	2914	Capel Road	237	0.15
	2917	City Of London Cemetery	323	0.20
	2919	Wanstead Park Avenue	322	0.20
	9306	Merlin Road	168	0.10
	9308	Empress Avenue	141	0.09
	14676	Dover Road	276	0.17
ALDBPR	9312	Park Road	215	0.13
	3299	Queenswood Gardens	527	0.33
	9316	Blake Hall Crescent	321	0.20
	R0027	Bush Road / Green Man Roundabout	780	0.48
	R0024	Green Man Roundabout	210	0.13
	BP3746	Gainsborough Road	475	0.30
LSTNSP	BP1790	Leytonstone Station / Grove Green Road	439	0.27
	18001	Clarendon Road	335	0.21
	18003	Elim Pentecostal Church	216	0.13
	36564	Essex Road South	305	0.19
	36566	Clare Road	354	0.22
WHPCHP	LE237	Whipps Cross Hospital / A & E	285	0.18
	LE240	Whipps Cross Hospital / Main Entrance	507	0.32
	14274	Whipps Cross Roundabout	291	0.18
	14272	Whipps Cross / Wood Street	202	0.13
	14270	Peterborough Road	269	0.17
	14266	Essex Road	217	0.13
	34357	Leyton Green Road	227	0.14
LEYTBAL	7968	Lea Bridge Road / Bakers Arms	535	0.33
	7966	Hoe Street / Bakers Arms	213	0.13
	7963	Grove Road	337	0.21
	7960	Queen's Road	281	0.17
	R0036	Walthamstow Central Station	361	0.22
WSTCSN	BP4274	Walthamstow Bus Station	120	0.07
	R0034	Selborne Walk	413	0.26
WSTWSG	FC80	South Grove	569	0.35
	10303	Markhouse Avenue	239	0.15
	BP3760	Barn Croft Primary School	470	0.29
	BP3281	Low Hall Manor Business Centre	241	0.15
WSTWAA	BP3987	Argall Avenue	410	0.25
Total Route Mileage - Back Direction			14539	9.03
			Metres	Miles

Transport for London - QSI Points and Live Mileage List

Route W19 Option 2 Ilford - Lea Bridge Station

Service change 36396

Date : 21/06/2014

Reason for Issue

QSI Points are highlighted

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
AWLBRS		Lea Bridge Station		
WSTWAA	BP3989	Staffa Road		
	BP3988	Argall Avenue Industrial Estate	373	0.23
	BP3280	Low Hall Manor Business Centre	397	0.25
	BP3759	Barn Croft Primary School	290	0.18
	10302	Markhouse Avenue	435	0.27
WSTWSG	BP2753	South Grove	310	0.19
	R0035	Selborne Walk / Vernon Road	307	0.19
	BP4871	Selborne Walk	142	0.09
	BP3899	Walthamstow Central Station	158	0.10
WSTCSN	BP4271	Walthamstow Bus Station	275	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	Shernhall Street	191	0.12
	14269	Peterborough Road	244	0.15
	14271	Whipps Cross / Wood Street	216	0.13
	LE239	Whipps Cross Hospital / Main Entrance	574	0.36
WHPCHP	LE238	Whipps Cross Hospital / A & E	378	0.23
	36569	Clare Road	270	0.17
	36567	Peterborough Road	291	0.18
	36565	Essex Road South	309	0.19
	18002	Eiim Pentecostal Church	225	0.14
	18000	Clarendon Road	225	0.14
LSTNSP	BP1791	Leytonstone Station / Grove Green Road	369	0.23
	BP3990	Gainsborough Road	374	0.23
	14565	Green Man Roundabout	459	0.29
	R0026	Bush Road / Green Man Roundabout	291	0.18
	9313	Blake Hall Crescent	851	0.53
	3305	Queenswood Gardens	245	0.15
ALDBPR	9311	Park Road	487	0.30
	9309	Herongate Road	281	0.17
	9307	Empress Avenue	156	0.10
	9305	Merlin Road	171	0.11
	2918	City Of London Cemetery	287	0.18
	2915	Capel Road	499	0.31
MNPKSN	641	Manor Park Station	288	0.18
	1410	Romford Road	117	0.07
	14527	First Avenue	327	0.20
	14529	Rabbits Road	180	0.11
	14531	Seventh Avenue	218	0.14
	4645	Little Ilford Lane	375	0.23
	14540	North Circular Road	251	0.16
	R0757	Ilford Hill	430	0.27
	FC44	Chapel Road	149	0.09
	FC60	Redbridge Central Library	475	0.30
ILFDHS	R0868	Hainault Street	242	0.15
Total Route Mileage - Out Direction			17631	9.52
			Metres	Miles

Total Route Mileage in bold red font is a planning estimate & not an ibus calculation.

FINAL MILEAGE TO BE CONFIRMED.

TRANCHE 535

Mileage update

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ILFDHS	FC41	Hainault Street		
	BP3460	Redbridge Central Library	270	0.17
	37219	Iford Broadway	358	0.22
	BP1379	Chapel Road	283	0.18
	14535	Dersingham Avenue	504	0.31
	3013	Little Iford Lane	200	0.12
	14530	Rabbits Road	384	0.24
	14528	First Avenue	241	0.15
	4643	High Street North	210	0.13
MNPKSN	640	Manor Park Station	258	0.16
	2914	Capel Road	237	0.15
	2917	City Of London Cemetery	323	0.20
	2919	Wanstead Park Avenue	322	0.20
	9306	Merlin Road	168	0.10
	9308	Empress Avenue	141	0.09
	14676	Dover Road	276	0.17
ALDBPR	9312	Park Road	215	0.13
	3299	Queenswood Gardens	527	0.33
	9316	Blake Hall Crescent	321	0.20
	R0027	Bush Road / Green Man Roundabout	780	0.48
	R0024	Green Man Roundabout	210	0.13
	BP3746	Gainsborough Road	475	0.30
LSTNSP	BP1790	Leytonstone Station / Grove Green Road	439	0.27
	18001	Clarendon Road	335	0.21
	18003	Elim Pentecostal Church	216	0.13
	36564	Essex Road South	305	0.19
	36566	Clare Road	354	0.22
WHPCHP	LE237	Whipps Cross Hospital / A & E	285	0.18
	LE240	Whipps Cross Hospital / Main Entrance	507	0.32
	14274	Whipps Cross Roundabout	291	0.18
	14272	Whipps Cross / Wood Street	202	0.13
	14270	Peterborough Road	269	0.17
	14266	Essex Road	217	0.13
	34357	Leyton Green Road	227	0.14
LEYTBAL	7968	Lea Bridge Road / Bakers Arms	535	0.33
	7966	Hoe Street / Bakers Arms	213	0.13
	7963	Grove Road	337	0.21
	7960	Queen's Road	281	0.17
	R0036	Walthamstow Central Station	361	0.22
WSTCSN	BP4274	Walthamstow Bus Station	120	0.07
	R0034	Selborne Walk	413	0.26
WSTWSG	FC80	South Grove	569	0.35
	10303	Markhouse Avenue	239	0.15
	BP3760	Barn Croft Primary School	470	0.29
	BP3281	Low Hall Manor Business Centre	241	0.15
WSTWAA	BP3987	Argall Avenue	410	0.25
AWLBRS		Lea Bridge Station		
Total Route Mileage - Back Direction			17372	9.38
			Metres	Miles

Total Route Mileage in bold red font is a planning estimate & not an ibus calculation.

FINAL MILEAGE TO BE CONFIRMED.