

7. Service Specification

Route: 275

Contract Reference: QC63504

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	Walthamstow, St. James Street Station and Barkingside, Tesco
Contract Basis	Incentivised
Commencement Date	2 nd March 2019
Vehicle Type	87 capacity, dual door, double deck vehicles
Current Maximum Approved Dimensions	10.2 metres long and 2.55 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	See Section 2
Minimum Performance Standard	Average Excess Wait Time - No more than 1.10 minutes
Extension Threshold	Average Excess Wait Time Threshold - 1.00 minutes
Minimum Operated Mileage Standard	No less than 98.00%

The Date of Tender for this ITT is:

No later than 12 Noon on Tuesday 29th May 2018

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. 275.

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. 275.

Route branding is currently applied to vehicles on Route No. 275 which uses external advertising space. Tenderers should clearly identify the impact on the contract price, should this continue.

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. New two door, single staircase vehicles inspired by the New Routemaster in respect of both their external and internal design, to the appropriate specification agreed between TfL and the manufacturers.**
- 2. Vehicles that offer genuine increased capacity on two axles and are certified as such.**
- 3. Modifications to reduce emissions and fuel consumption (including energy storage, engine stop/start, extended zero-emission range and/or energy efficient components)**
- 4. 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.**

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Walthamstow, St. James Street Station to Barkingside, Tesco			Barkingside, Tesco to Walthamstow, St. James Street Station		
First departure no later than 0540.			First departure no later than 0450.		
0535 - 0640	Every 20 minutes		0445 - 0550	Every 20 minutes	
0641 - 0710	Every 15 minutes		0551 - 0635	Every 15 minutes	
0711 - 1900	Every 12 minutes		0636 - 1915	Every 12 minutes	
1901 - 2000	Every 15 minutes		1916 - 2015	Every 15 minutes	
2001 - 0025	Every 20 minutes		2016 - 2340	Every 20 minutes	
Last departure no earlier than 0020.			Last departure no earlier than 2335.		
Pinchpoints					
Woodford Station	0710 - 0740	15 minutes	Walthamstow, Bell	0705 - 0905	12 minutes
	0741 - 0910	12 minutes		1500 - 1635	12 minutes
	1455 - 1630	12 minutes			

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Walthamstow, St. James Street Station to Barkingside, Tesco			Barkingside, Tesco to Walthamstow, St. James Street Station		
First departure no later than 0540.			First departure no later than 0450.		
0535 - 0700	Every 20 minutes		0445 - 0715	Every 20 minutes	
0701 - 0830	Every 15 minutes		0716 - 0800	Every 15 minutes	
0831 - 1900	Every 12 minutes		0801 - 1800	Every 12 minutes	
1901 - 2000	Every 15 minutes		1801 - 1915	Every 15 minutes	
2001 - 0025	Every 20 minutes		1916 - 2340	Every 20 minutes	
Last departure no earlier than 0020.			Last departure no earlier than 2335.		
Pinchpoints					
Woodford Station	0855 - 1055	12 minutes	Walthamstow, Bell	0830 - 1105	12 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued.

3.3) SUNDAY AND PUBLIC HOLIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Walthamstow, St. James Street Station to Barkingside, Tesco		Barkingside, Tesco to Walthamstow, St. James Street Station			
First departure no later than 0710.		First departure no later than 0625.			
0705 - 0840	Every 30 minutes	0620 - 0755	Every 30 minutes		
0841 - 0025	Every 20 minutes	0756 - 2340	Every 20 minutes		
Last departure no earlier than 0020.		Last departure no earlier than 2335.			
Pinchpoints					
Woodford Station	1005 - 1145	20 minutes	Walthamstow, Bell	1025 - 1125	20 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 275 can suffer unpredictable traffic delays in the Walthamstow & Barkingside areas, particularly during peak periods.
- 4.2) The Saturday market at Walthamstow can also cause delays.
- 4.3) Following completion of mini-Holland gyratory works, from May 2019, Route No. 275 is re-routed to operate direct from Hoe Street into Selborne Road.

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 275: Walthamstow, St James Street Station - Barkingside, Tesco

Date of Structural Change: 2 March 2019.

Date of Service Change: 2 March 2019.

Reason for Issue: New Contract.

STREETS TRAVERSED

Towards Barkingside, Tesco: Courtenay Place, Cranbrook Mews, Selborne Road, Walthamstow Central Bus Station, Selborne Road, Hoe Street, Forest Road, Hale End Road, Station Approach, The Avenue, Chingford Lane, Woodford Green High Road, The Terrace, Broadmead Road, St Barnabas Road, Snakes Lane East, Chigwell Road, Manor Road, Tomswood Road, Tomswood Hill, Fencepiece Road, Fullwell Cross, Barkingside High Street, Cranbrook Road, Tesco Access Road.

Towards Walthamstow, St James Street Station: Tesco Access Road, Cranbrook Road, Barkingside High Street, Fullwell Cross, Fencepiece Road, Tomswood Hill, Tomswood Road, Manor Road, Chigwell Road, Roding Lane North, Green Walk, Chigwell Road, Snakes Lane East, St Barnabas Road, Broadmead Road, The Terrace, Woodford Green High Road, Chingford Lane, The Avenue, Hale End Road, Forest Road, Hoe Street, Selborne Road, Walthamstow Central Bus Station, Selborne Road, Cranbrook Mews, Courtenay Place.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

ST. JAMES STREET STATION, COURTENAY MEWS

Private stand for 6 buses in Bus Parking Area on south side of Courtenay Mews. Buses proceed from Courtenay Place via Bus Parking Area to stand, departing via Bus Parking Area and Courtenay Mews to Courtenay Place. Set down in Courtenay Place, at Stop ZC (BP3209 - St James Street Station #, Last Stop on LOR: BP3209 - St James Street Station #) and pick up in Courtenay Mews, at Stop ZD (BP3210 - St James Street Station #, First Stop on LOR: BP3210 - St James Street Station #).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 2 buses on Route 275 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.
OTHER INFORMATION: Toilet facilities available 24 hours a day.

WALTHAMSTOW CENTRAL BUS STATION (from BARKINGSIDE, TESCO)

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 E (BP4274 - Walthamstow Bus Station <> #, First Stop on LOR: BP4274 - 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.

WALTHAMSTOW, BEACONTREE AVENUE (from Walthamstow, St James Street Station)

Private stand for two buses within turning circle on north side of Forest Road, commencing at the junction with Beacontree Avenue and extending 22 metres south.

Buses proceed from Forest Road via Beacontree Avenue to stand, departing via Beacontree Avenue to Forest Road. Set down in Forest Road, at Stop A (6637 - Wood Street Library, Last Stop on LOR: 6637 - Wood Street Library) and pick up in Forest Road, at Stop F (6682 - Wood Street Library, First Stop on LOR: 6682 - Wood Street Library).

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, Beacontree Avenue.

MILL LANE (from Walthamstow, St James Street Station)

Buses proceed from Chingford Lane via Woodford Green High Road and Mill Lane departing to Chingford Lane. Set down in Chingford Lane, at Stop M (34296 - Mill Lane, Last Stop on LOR: 34296 - Mill Lane) and pick up in Chingford Lane, at Stop L (34295 - Mill Lane, First Stop on LOR: 34295 - Mill Lane).

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

HIGHAMS PARK STATION (from BARKINGSIDE, TESCO)

Buses proceed from The Avenue via Larkshall Road, Hickman Avenue, Jubilee Avenue and Larkshall Road departing to The Avenue. Set down in The Avenue, at Stop EB (34304 - Highams Park Station #, Last Stop on LOR: 34304 - Highams Park Station #) and pick up in The Avenue, at Stop EM (34303 - Highams Park Station #, First Stop on LOR: 34303 - Highams Park Station #).

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

WOODFORD GREEN, BROOMHILL ROAD (from Walthamstow, St James Street Station)

Buses proceed from The Terrace via Broomhill Road, Johnston Road and Woodford Green High Road departing to Chingford Lane. Set down in The Terrace, at Stop H (29549 - Woodford Green / Broadmead Road, Last Stop on LOR: 29549 - Woodford Green / Broadmead Road) and pick up in Chingford Lane, at Stop W (34295 - Mill Lane, First Stop on LOR: 34295 - Mill Lane).

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

WOODFORD BRIDGE, MANOR ROAD (from Walthamstow, St James Street Station)

Public stand for one bus on south side of Manor Road at rear of bus bay, commencing 15 metres west of Chapelmount Road and extending 15 metres east.
Buses proceed from Chigwell Road via Cross Road and Manor Road to stand, departing to Manor Road. Set down in Chigwell Road (15488 - Manor Road, Last Stop on LOR: 15488 - Manor Road) and pick up in Manor Road (33768 - Cross Road, First Stop on LOR: 33768 - Cross 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: Woodford Bridge.

BARKINGSIDE HIGH STREET (from Walthamstow, St James Street Station)

Public stand for three buses on east side of Barkingside High Street, commencing opposite the party wall of Nos 155/157 and extending 33 metres north.
Buses proceed from Barkingside High Street direct to stand, departing via Barkingside High Street, Baron Gardens, Craven Gardens and Tanners Lane to Barkingside High Street. Set down in Barkingside High Street, at Stop G (9613 - Waverley Gardens, Last Stop on LOR: 9613 - Waverley Gardens) and pick up in Barkingside High Street, at Stop J (25368 - Fremantle Road, First Stop on LOR: 25368 - Fremantle 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: Barkingside.

BARKINGSIDE, TESCO

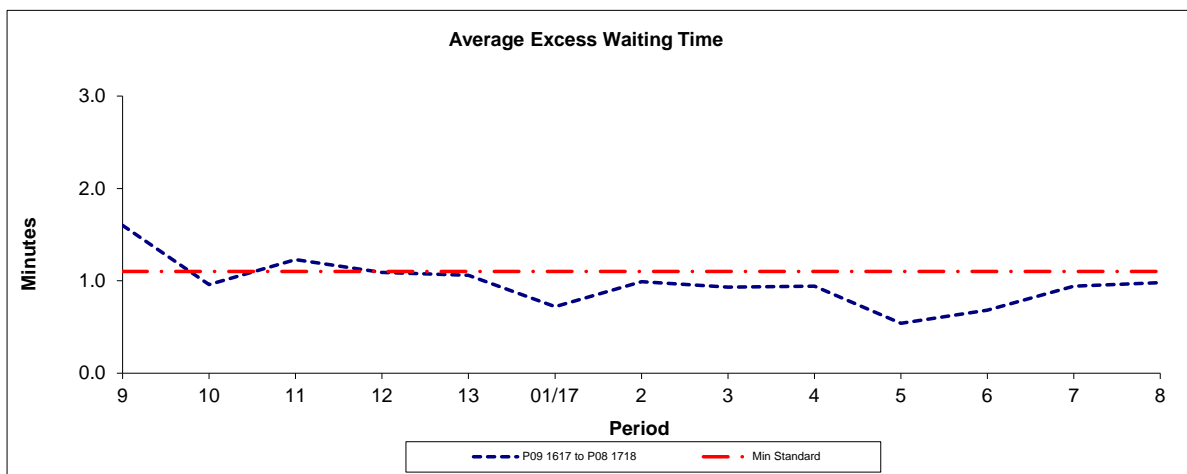
Private stand for one bus on east side of access road in the grounds of the Tesco store off Cranbrook Road.

Buses proceed from Tesco Access Road direct to stand, departing to Tesco Access Road. Set down in Tesco Access Road, at Stop V (BP1304 - Barkingside Tesco, Last Stop on LOR: BP1304 - Barkingside Tesco) and pick up in Tesco Access Road, at Stop V (BP1304 - Barkingside Tesco, First Stop on LOR: BP1304 - Barkingside Tesco).

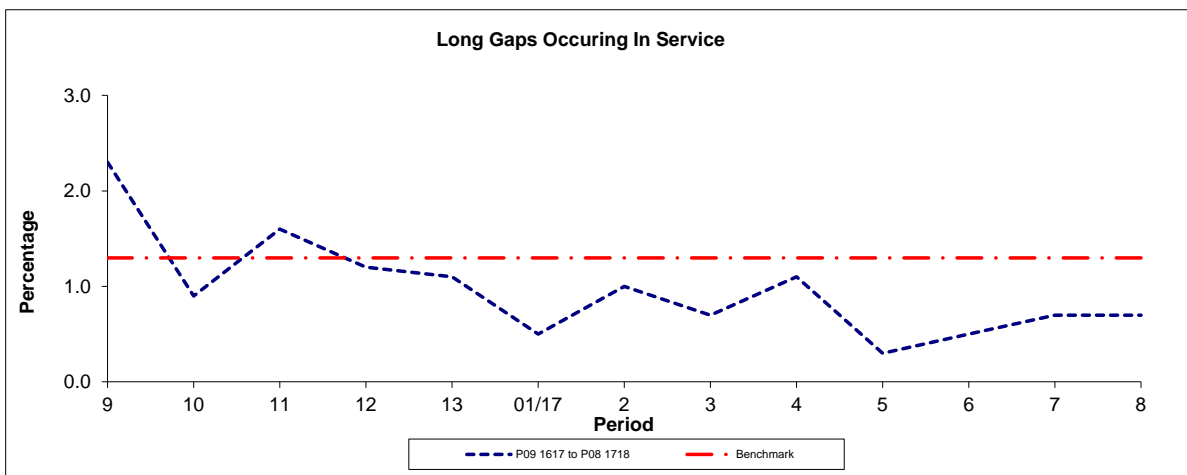
AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 buses on Route 275 should be scheduled to stand at any one time.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Barkingside.
OTHER INFORMATION:	Toilets available in Tesco's store during opening hours.

PART B - PERFORMANCE STATISTICS

Route 275



Period	9	10	11	12	13	01/17	2	3	4	5	6	7	8
P09 1617 to P08 1718	1.60	0.96	1.23	1.09	1.06	0.72	0.99	0.93	0.94	0.54	0.68	0.94	0.98
Min Standard	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

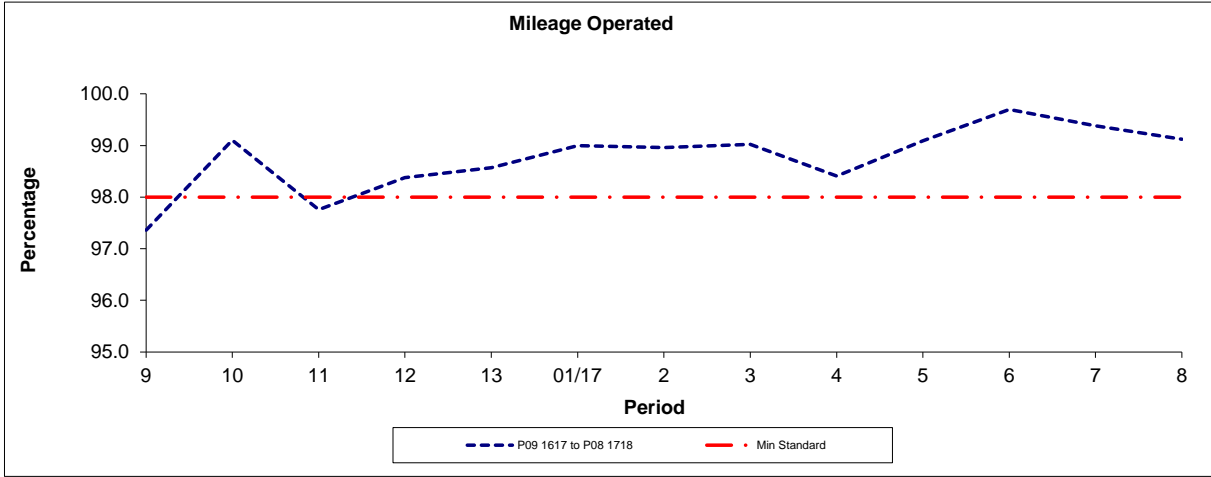


Period	9	10	11	12	13	01/17	2	3	4	5	6	7	8
P09 1617 to P08 1718	2.3	0.9	1.6	1.2	1.1	0.5	1.0	0.7	1.1	0.3	0.5	0.7	0.7
Benchmark	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

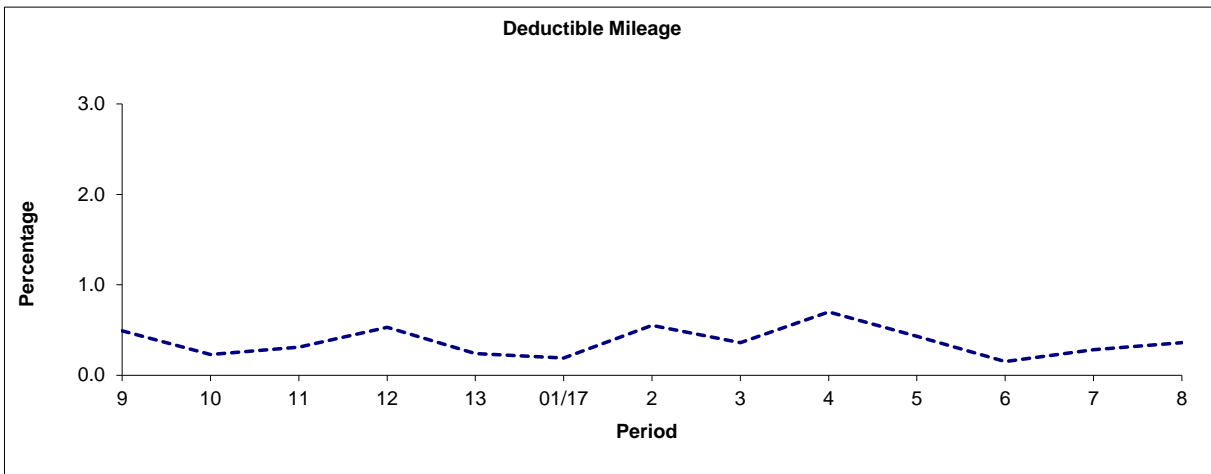
Note : Reliability is actual performance under full iBus (4 weeks data).
Minimum Standards and Benchmarks are those applicable under the new contract.

PART B - PERFORMANCE STATISTICS

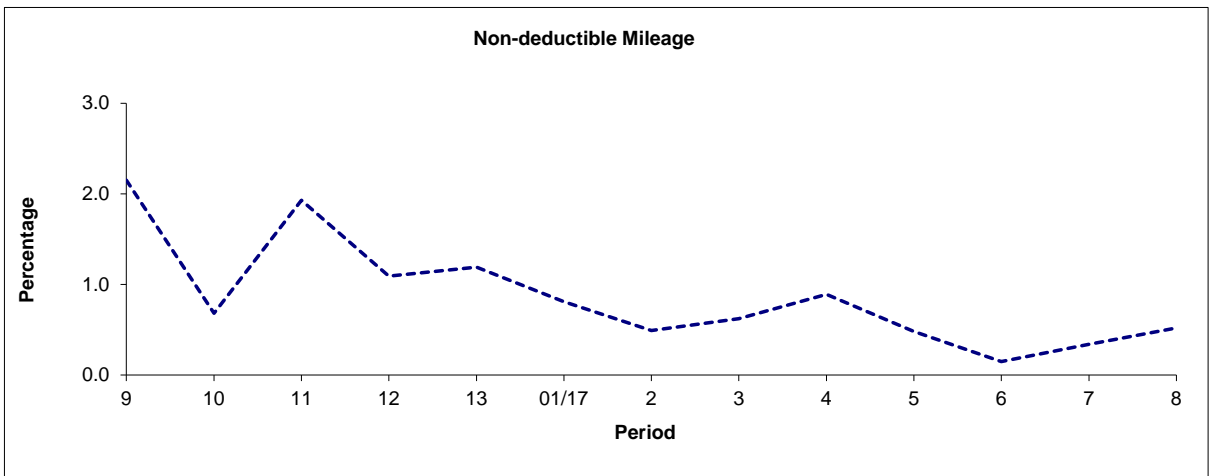
Route 275



Period	9	10	11	12	13	01/17	2	3	4	5	6	7	8
P09 1617 to P08 1718	97.36	99.10	97.76	98.38	98.57	99.00	98.96	99.02	98.41	99.09	99.70	99.38	99.12
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	9	10	11	12	13	01/17	2	3	4	5	6	7	8
P09 1617 to P08 1718	0.49	0.23	0.31	0.53	0.24	0.19	0.55	0.36	0.70	0.43	0.15	0.28	0.36



Period	9	10	11	12	13	01/17	2	3	4	5	6	7	8
P09 1617 to P08 1718	2.15	0.68	1.93	1.09	1.19	0.81	0.49	0.62	0.89	0.48	0.15	0.34	0.52

Note: Mileage is based on 4 weeks data

ROUTE 275 - FULL iBUS RESULTS BY TIME OF DAY
QUARTER 3 16/17 TO QUARTER 2 17/18 (17/09/16 - 15/09/17)

MONDAY - FRIDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	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)
05:00 - 07:00	20,067	19,619	97.8	9.08	0.37	9.44	62.9	32.0	4.6	0.4	0.4	75
07:00 - 10:00	57,296	55,852	97.5	5.91	1.18	7.09	75.2	21.6	2.6	0.6	1.7	76
10:00 - 13:00	55,556	54,655	98.4	5.97	0.91	6.88	76.1	22.3	1.4	0.3	0.7	73
13:00 - 16:00	55,697	55,406	99.5	5.91	0.93	6.84	75.6	22.1	2.0	0.3	1.1	52
16:00 - 19:00	54,830	53,165	97.0	6.03	1.51	7.54	71.6	24.7	3.2	0.6	1.8	76
19:00 - 22:00	38,668	38,147	98.7	8.23	1.01	9.24	56.7	35.9	6.4	1.0	0.8	86
22:00 - 24:00	21,751	21,699	99.8	9.92	0.73	10.65	51.5	39.7	7.6	1.1	0.2	84
All Locations Summary	303,865	298,543	98.2	6.49	1.09	7.58	71.1	25.3	3.1	0.5	1.2	86

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	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)
05:00 - 07:00	3,597	3,439	95.6	10.00	0.51	10.51	53.2	38.5	7.3	1.0	0.6	65
07:00 - 10:00	10,325	10,264	99.4	6.91	0.86	7.76	71.9	25.2	2.6	0.3	0.4	84
10:00 - 13:00	11,618	11,591	99.8	6.04	0.83	6.87	75.2	23.2	1.5	0.0	0.3	37
13:00 - 16:00	11,427	11,246	98.4	6.06	1.29	7.35	72.4	24.2	2.7	0.7	1.6	63
16:00 - 19:00	11,729	11,451	97.6	5.97	1.27	7.24	73.8	23.5	2.3	0.5	1.3	63
19:00 - 22:00	7,986	7,827	98.0	8.52	0.94	9.46	55.4	36.2	7.0	1.4	0.7	76
22:00 - 24:00	4,889	4,585	97.8	9.98	0.74	10.72	51.2	40.8	6.8	1.1	0.2	74
All Locations Summary	61,371	60,403	98.4	6.80	1.04	7.84	69.2	26.9	3.3	0.6	0.9	84

SUNDAY AND BANK HOLIDAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	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)
05:00 - 07:00	620	582	93.9	14.74	-0.23	14.50	70.2	14.0	14.3	1.6	11.4	32
07:00 - 10:00	6,101	6,064	99.4	12.34	0.41	12.75	47.0	37.3	13.2	2.5	1.0	61
10:00 - 13:00	7,726	7,688	99.5	9.92	0.55	10.47	50.0	41.7	7.6	0.8	0.1	53
13:00 - 16:00	7,732	7,701	99.6	9.96	0.59	10.55	49.8	41.0	8.2	0.9	0.2	63
16:00 - 19:00	7,636	7,588	99.4	9.93	0.68	10.61	49.7	41.0	8.5	0.8	0.0	52
19:00 - 22:00	7,578	7,520	99.2	9.98	0.52	10.50	49.7	42.1	7.7	0.5	0.1	63
22:00 - 24:00	4,988	4,981	99.7	10.01	0.45	10.46	51.5	42.0	5.9	0.5	0.0	52
All Locations Summary	42,391	42,124	99.4	10.28	0.55	10.82	50.0	40.5	8.6	1.0	0.4	63

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	SWT (mins)	EWT (mins)	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)
05:00 - 07:00	24,284	23,640	97.3	9.44	0.34	9.78	62.3	31.8	5.4	0.5	1.0	75
07:00 - 10:00	73,722	72,180	97.9	6.32	1.11	7.43	73.5	22.7	3.1	0.7	1.5	84
10:00 - 13:00	74,900	73,934	98.7	6.47	0.85	7.32	72.7	24.8	2.2	0.3	0.6	73
13:00 - 16:00	74,856	74,353	99.3	6.41	0.94	7.35	72.1	24.6	2.8	0.4	1.0	63
16:00 - 19:00	74,195	72,204	97.3	6.40	1.40	7.80	69.7	26.1	3.6	0.6	1.6	76
19:00 - 22:00	54,232	53,494	98.6	8.47	0.94	9.41	55.7	36.7	6.6	1.0	0.7	86
22:00 - 24:00	31,438	31,265	99.4	9.94	0.69	10.64	51.5	40.2	7.3	1.1	0.1	84
All Locations Summary	407,627	401,070	98.4	6.90	1.03	7.93	68.8	27.0	3.7	0.6	1.1	86

Transport for London - QSI Points and Live Mileage List

v2.0 - Mileage directly imported from Caesar

TRANCHE 635

Route: 275

Service change: 47011

Date: 24/06/2017

QSI Points are highlighted

Reason for Issue

Mileage update

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
WSTWSJ	BP3210	St James Street Station		
	R0035	Selborne Walk / Vernon Road	487	0.30
	BP4871	Selborne Walk	160	0.10
	BP3899	Walthamstow Central Station	139	0.09
WSTCSN	BP4274	Walthamstow Bus Station	159	0.10
WSTWHM	7952	Walthamstow Market	545	0.34
	7950	Jewel Road	343	0.21
WSTWBL	25449	Forest Road / Bell Corner	225	0.14
	6635	Waltham Forest Town Hall	304	0.19
	6636	Waltham Forest College	265	0.16
FSTRSJ	R0045	St John's Road	309	0.19
	6637	Wood Street Library	193	0.12
	34075	Forest Road	275	0.17
	34073	Thorpe Hall Road	355	0.22
	34070	Southend Road	402	0.25
	FL010	Wadham Road	145	0.09
	34305	Forest Mount Road	347	0.22
	BP279	Hollywood Way	274	0.17
HMPKSN	34303	Highams Park Station	353	0.22
	34301	Richmond Avenue	375	0.23
	36556	Sunnydene Avenue	254	0.16
	34299	Forest Glade	366	0.23
	34297	Chingford Lane	231	0.14
	34296	Mill Lane	1096	0.68
WDFGCA	29549	Woodford Green / Broadmead Road	497	0.31
	29550	Grosvenor Gardens	405	0.25
	29553	Vernon Avenue	281	0.17
	29222	Spring Gardens	498	0.31
WDFDSN	29221	Woodford Station	442	0.27
	29558	Ray Lodge Primary School	494	0.31
	29559	Chigwell Road	373	0.23
	BP1649	Ashton Playing Fields	212	0.13
WDFBWH	15488	Manor Road	395	0.25
	33918	Cross Road	443	0.28
	R0736	Audleigh Place	359	0.22
	35346	Stradbroke Park	559	0.35
	35348	Wannock Gardens	440	0.27
TOMHCG	35350	Kingsley Road	483	0.30
	35352	Fencepiece Road	362	0.22
	20198	Fullwell Cross	418	0.26
	9613	Waverley Gardens	194	0.12
	29018	Barkingside Police Station	269	0.17
BKSDTS	BP1304	Barkingside Tesco	296	0.18
Total Route Mileage - Out Direction			15022	9.33
			Metres	Miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BKSDTS	BP1304	Barkingside Tesco		
	25368	Fremantle Road	399	0.25
	34310	Fullwell Cross	405	0.25
	35353	Fencepiece Road	374	0.23
TOMHCG	35351	Benrek Close	454	0.28
	35349	Wannock Gardens	475	0.30
	35347	Stradbroke Park	361	0.22
	R0735	Audleigh Place	466	0.29
	33768	Cross Road	499	0.31
WDFBWH	15489	Roding Lane North	459	0.29
	15491	Ashton Playing Fields	322	0.20
	29560	Ray Lodge Primary School	504	0.31
	29557	Greenstead Avenue	266	0.17
WDFDSN	29556	Woodford Station	282	0.18
	29223	St Anthony's Avenue	380	0.24
	29555	St Barnabas Road	316	0.20
	29552	Vernon Avenue	415	0.26
	29551	Grosvenor Gardens	293	0.18
WDFGCA	34313	Woodford Green High Road	332	0.21
	34295	Mill Lane	579	0.36
	34298	Chingford Lane	1026	0.64
	34300	Sunnydene Avenue	465	0.29
	34302	Richmond Avenue	348	0.22
HMPKSN	34304	Highams Park Station	350	0.22
	BP280	Beverley Road	222	0.14
	34306	Hollywood Way	306	0.19
	R0040	Wadham Road	492	0.31
	34071	Southend Road	265	0.16
	34072	Thorpe Hall Road	215	0.13
	34074	Forest Road	389	0.24
	6682	Wood Street Library	329	0.20
FSTRSJ	6681	Thorpe Coombe Hospital	274	0.17
WSTWBL	6680	Waltham Forest Town Hall	324	0.20
	4844	Hoe Street / The Bell	325	0.20
	7949	Jewel Road	342	0.21
WSTWHM	33832	Walthamstow Market	382	0.24
	R0036	Walthamstow Central Station	438	0.27
WSTCSN	BP4272	Walthamstow Bus Station	202	0.13
	R0034	Selborne Walk	383	0.24
WSTWSJ	BP3209	St James Street Station	541	0.34
Total Route Mileage - Back Direction			15199	9.44
			Metres	Miles