

7. Service Specification

Route: H9 & H10

Contract Reference: QC52803

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	H9 & H10
Terminus Points: Route No. H9	Harrow Bus Station and Harrow Bus Station (circular anti-clockwise via Kenton and Rayners Lane).
Terminus Points: Route No. H10	Harrow Bus Station and Harrow Bus Station (circular clockwise via Rayners Lane and Kenton).
Contract Basis	Incentivised
Commencement Date	3 rd Sept 2016
Vehicle Type	60 capacity, dual door, single deck
Current Maximum Approved Dimensions	10.1 metres long and 2.4 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard	Average Excess Wait Time - No more than 1.00 minutes
Extension Threshold	Average Excess Wait Time Threshold – 0.90 minutes
Minimum Operated Mileage Standard	No less than 99.00%

The Date of Tender for this ITT is: No later than 12 Noon on 14th September 2015.

Tenderers should refer to section 3 of Part A for the Service Specification Explanatory Notes and Appendix B of section 5 for the Example Service Specification of the ITT document.

SERVICE SPECIFICATION

- 1) SERVICE SPEC - ROUTE SPECIFICATION INFORMATION
- 2) NOTES
- 3) SCHEDULE REQUIREMENTS & PINCHPOINTS
- 4) OPERATIONAL CONSIDERATIONS
- 5) ROUTE RECORD, CURRENT PERFORMANCE, QSI BY TIME OF DAY, IBUS MILEAGE & QSI POINTS

2) NOTES

Proposed Changes:

At this time, no changes are proposed to the existing service for introduction prior to the commencement of the new Route Agreement for Route No. H9 & H10.

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:

- Sunday and all evening frequencies are increased from 20 minutes to every 15 minutes.
- 60 capacity, dual door, single deck buses of a minimum of 10.8 metres long buses will be specified, subject to a satisfactory route test.
- **Tenderers should note that routes H9 and H10 are contracted as a single route and thus bids must be submitted on this basis.**

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

H9: Harrow Bus Station to Harrow Bus Station (circular anti-clockwise via Kenton Station)			H10: Harrow Bus Station to Harrow Bus Station (circular clockwise via Rayners Lane Station)		
First departure no later than 0430.			First departure no later than 0445.		
0425 - 0530	Every 30 minutes		0440 - 0615	Every 30 minutes	
0531 - 0550	Every 20 minutes		0616 - 0635	Every 20 minutes	
0551 - 0620	Every 15 minutes		0636 - 0650	Every 15 minutes	
0621 - 0705	Every 12 minutes		0651 - 0710	Every 12 minutes	
0706 - 1930	Every 10 minutes		0711 - 1935	Every 10 minutes	
1931 - 0035	Every 15 minutes		1936 - 0050	Every 15 minutes	
Last departure no earlier than 0030.			Last departure no earlier than 0045.		
Pinchpoints					
North Harrow Station	0735 - 0905	10 minutes	Kenton Station	0801 - 0910	10 minutes
	1505 - 1635	10 minutes		1455 - 1635	10 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

H9: Harrow Bus Station to Harrow Bus Station (circular anti-clockwise via Kenton Station)			H10: Harrow Bus Station to Harrow Bus Station (circular clockwise via Rayners Lane Station)		
First departure no later than 0430.			First departure no later than 0445.		
0425 - 0800	Every 30 minutes		0440 - 0745	Every 30 minutes	
0801 - 0850	Every 15 minutes		0746 - 0825	Every 20 minutes	
0851 - 0930	Every 12 minutes		0826 - 0855	Every 15 minutes	
0931 - 1810	Every 10 minutes		0856 - 0925	Every 12 minutes	
1811 - 1830	Every 12 minutes		0926 - 1815	Every 10 minutes	
1831 - 0035	Every 15 minutes		1816 - 1845	Every 12 minutes	
			1846 - 0050	Every 15 minutes	
Last departure no earlier than 0030.			Last departure no earlier than 0045.		
Pinchpoints					
North Harrow Station	0910 - 0955	12 minutes	Kenton Station	0930 - 0955	12 minutes
	0956 - 1115	10 minutes		0956 - 1055	10 minutes

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

H9: Harrow Bus Station to Harrow Bus Station (circular anti-clockwise via Kenton Station)			H10: Harrow Bus Station to Harrow Bus Station (circular clockwise via Rayners Lane Station)		
First departure no later than 0600.			First departure no later than 0615.		
0555 - 0830	Every 30 minutes		0610 - 0845	Every 30 minutes	
0831 - 0035	Every 15 minutes		0846 - 0050	Every 15 minutes	
Last departure no earlier than 0030.			Last departure no earlier than 0045.		
Pinchpoints					
North Harrow Station	0930 - 1130	15 minutes	Kenton Station	0915 - 1155	15 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. H9 and H10 should interwork on departures from Harrow Bus station during all common frequency periods.
- 4.2) Route Nos. H9 & H10 can suffer from unpredictable traffic delays in the Harrow area.

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 H9: Harrow Bus Station - Harrow Bus Station (Via Wealdstone & Rayners Lane)

Date of Structural Change: 3 September 2016.

Date of Service Change: 3 September 2016.

Reason for Issue: New tender.

STREETS TRAVERSED

Towards Harrow Bus Station (via Wealdstone & Rayners Lane): Harrow Bus Station, College Road, Station Road, Gayton Road, Sheepcote Road, Kenton Road, Watford Road, Private Road In Northwick Park Hospital Grounds, Private Road On Northwick Park Hospital Forecourt, Exit Road Opposite Hospital Main Entrance, Watford Road, Kenton Road, Rushout Avenue, Northwick Avenue, Kenton Road, Kenton Lane, Christchurch Avenue, Masons Avenue, Byron Road, Oxford Road, Palmerston Road, George Gange Way, Wealdstone High Street, Ellen Webb Drive, Headstone Drive, Headstone Gardens, Parkside Way, Station Road, Imperial Drive, Alexandra Avenue, Warden Avenue, Kings Road, Eastcote Lane, Northolt Road, Lower Road, Bessborough Road, Pinner Road, Junction Road (Circumnavigate Roundabout), Pinner Road, Bessborough Road, College Road, Headstone Road, Kymberley Road, Harrow Bus Station.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

HARROW BUS STATION

Private stand for 7 buses in marked bays in Harrow Bus Station on south side of College Road.

Buses proceed from Harrow Bus Station direct to stand, departing to Harrow Bus Station. Set down in Harrow Bus Station, at Stop E (R0839 - Harrow Bus Station, Last Stop on LOR: R0839 - Harrow Bus Station) and pick up in Harrow Bus Station, at Stop C (R0841 - Harrow Bus Station, First Stop on LOR: R0841 - Harrow Bus Station).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route H9 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:	Harrow.

NORTHWICK PARK HOSPITAL

Buses proceed out of service from Private Road On Northwick Park Hospital Forecourt. Set down in Private Road On Northwick Park Hospital Forecourt, at Stop HT (BP4385 - Northwick Park Hospital, Last Stop on LOR: BP4385 - Northwick Park Hospital).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: Northwick Park Hospital.

KENTON, LIBRARY

Buses proceed out of service from Christchurch Avenue. Set down in Christchurch Avenue, at Stop C (13420 - Kenton Library, Last Stop on LOR: 13420 - Kenton Library).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: Kenton, Library.
OTHER INFORMATION: TURNING POINT ONLY BUSES MUST NOT STAND.

WEALDSTONE, HIGH STREET

Buses proceed out of service from Wealdstone High Street. Set down in Wealdstone High Street, at Stop F (14705 - The Wealdstone Centre, Last Stop on LOR: 14705 - The Wealdstone Centre).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY:

Wealdstone.

OTHER INFORMATION: TURNING POINT ONLY BUSES MUST NOT STAND.

RAYNERS LANE STATION

Buses proceed out of service from Imperial Drive. Set down in Imperial Drive, at Stop B (29083 - Rayners Lane, Last Stop on LOR: 29083 - Rayners Lane).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: Rayners Lane Station.
OTHER INFORMATION: TURNING POINT ONLY BUSES MUST NOT STAND.

NORTH HARROW STATION

Buses proceed out of service from Imperial Drive. Set down in Imperial Drive, at stop NK (16051 - North Harrow Station <>, Last Stop on LOR: 16051 - North Harrow Station <>).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: North Harrow.

LONDON BUSES - ROUTE DESCRIPTION

ROUTE H10: Harrow Bus Station - Harrow Bus Station (Via Rayners Lane And Wealdstone)

Date of Structural Change: 3 September 2016.

Date of Service Change: 3 September 2016.

Reason for Issue: New tender.

STREETS TRAVERSED

Towards Harrow Bus Station (via Rayners Lane And Wealdstone): College Road, Bessborough Road, Lower Road, Northolt Road, Eastcote Lane, Kings Road, Warden Avenue, Alexandra Avenue, Rayners Lane, Village Way East, Imperial Drive, Station Road, Parkside Way, Headstone Gardens, Headstone Drive, Ellen Webb Drive, Headstone Drive, Ellen Webb Drive, Wealdstone High Street, George Gange Way, Palmerston Road, Oxford Road, Byron Road, Christchurch Avenue, Kenton Lane, Kenton Road, Rushout Avenue, Northwick Avenue, Kenton Road, Watford Road, Private Road In Northwick Park Hospital Grounds, Private Road On Northwick Park Hospital Forecourt, Exit Road Opposite Hospital Main Entrance, Watford Road, Kenton Road, Sheepcote Road, Gayton Road, Station Road, College Road, Harrow Bus Station.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

HARROW BUS STATION

Private stand for 7 buses in marked bays in Harrow Bus Station on south side of College Road.

Buses proceed from Harrow Bus Station direct to stand, departing via Harrow Bus Station to College Road. Set down in Harrow Bus Station, at Stop E (R0839 - Harrow Bus Station, Last Stop on LOR: R0839 - Harrow Bus Station) and pick up in College Road, at Stop B (R0842 - Harrow Bus Station, First Stop on LOR: R0842 - Harrow Bus Station).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route H10 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:	Harrow.

RAYNERS LANE STATION

Buses proceed out of service from Rayners Lane. Set down in Rayners Lane, at Stop A (29084 - Rayners Lane Station <>, Last Stop on LOR: 29084 - Rayners Lane Station <>).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: Rayners Lane Station.
OTHER INFORMATION: TURNING POINT ONLY - BUSES MUST NOT STAND.

WEALDSTONE HIGH STREET

Buses proceed out of service from Wealdstone High Street. Set down in Wealdstone High Street, at Stop G (16040 - The Wealdstone Centre, Last Stop on LOR: 16040 - The Wealdstone Centre).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: Wealdstone.
OTHER INFORMATION: TURNING POINT ONLY - BUSES NOT STAND.

KENTON LIBRARY

Buses proceed out of service from Kenton Lane. Set down in Kenton Lane, at Stop S (7504 - Kenton Library, Last Stop on LOR: 7504 - Kenton Library).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: Kenton, Library.

NORTHWICK PARK HOSPITAL

Buses proceed out of service from Private Road On Northwick Park Hospital Forecourt. Set down in Private Road On Northwick Park Hospital Forecourt, at Stop HS (BP4386 - Northwick Park Hospital, Last Stop on LOR: BP4386 - Northwick Park Hospital).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: Northwick Park Hospital.

NORTH HARROW STATION

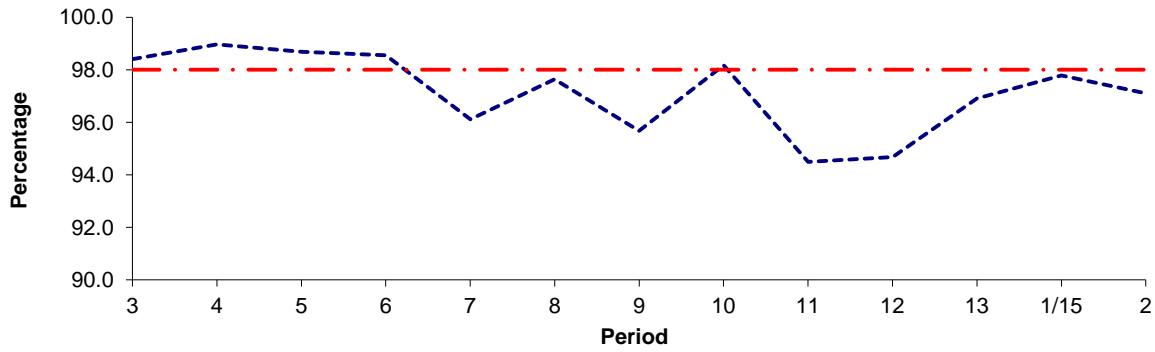
Buses proceed out of service from Imperial Drive. Set down in Imperial Drive, at Stop NA (16052 - North Harrow Station <>, Last Stop on LOR: 16052 - North Harrow Station <>).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: Unscheduled curtailments only
BLIND DISPLAY: North Harrow.

PART B - PERFORMANCE STATISTICS

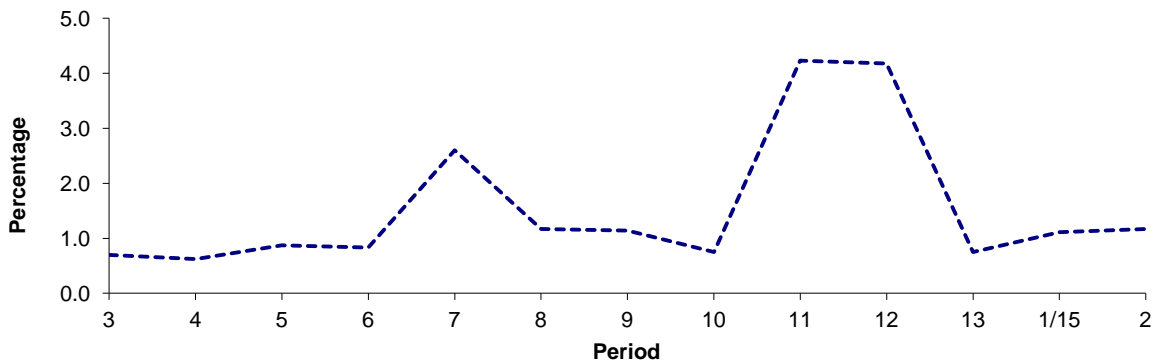
Route H9

Mileage Operated



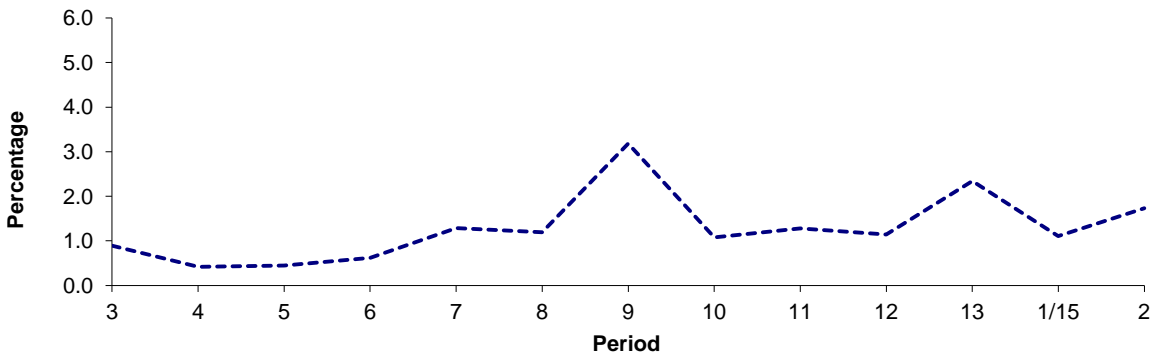
Period	3	4	5	6	7	8	9	10	11	12	13	1/15	2
2014/2015	98.41	98.96	98.68	98.55	96.11	97.64	95.68	98.17	94.49	94.68	96.91	97.78	97.10
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00

Deductible Mileage



Period	3	4	5	6	7	8	9	10	11	12	13	1/15	2
2014/2015	0.70	0.62	0.87	0.83	2.60	1.17	1.14	0.75	4.23	4.18	0.75	1.11	1.17

Non Deductible Mileage

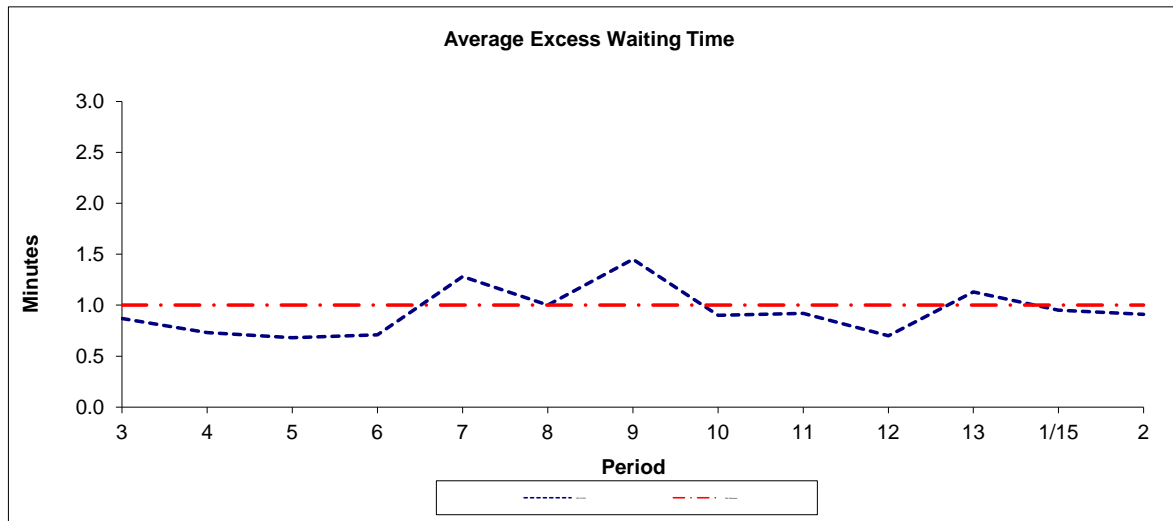


Period	3	4	5	6	7	8	9	10	11	12	13	1/15	2
2014/2015	0.89	0.42	0.45	0.62	1.29	1.19	3.18	1.08	1.28	1.14	2.34	1.11	1.73

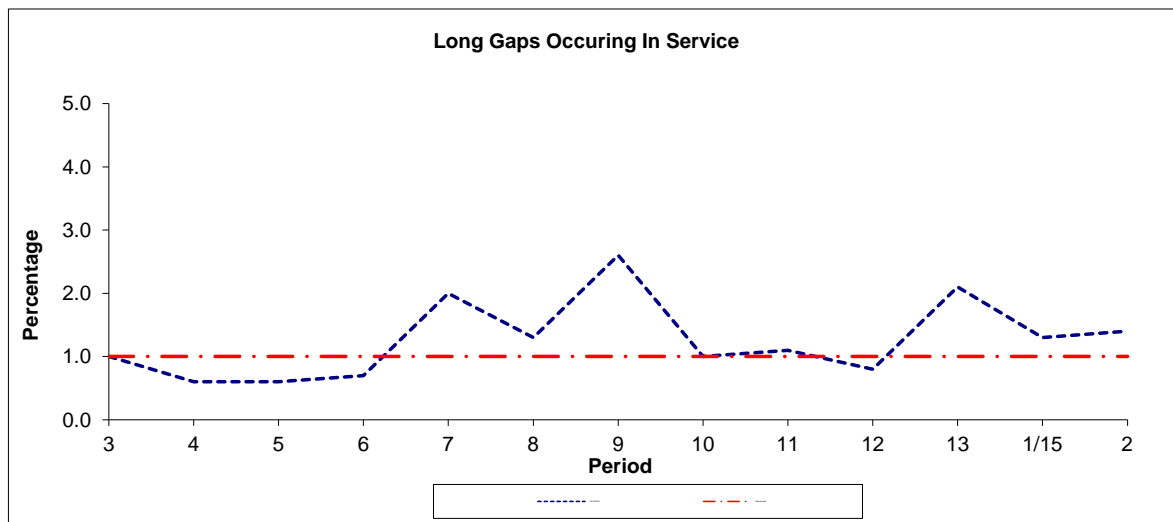
Note : Mileage is based on 4 weeks data
Deductible Mileage was adversely affected by industrial action in periods 11 and 12 14/15.

PART B - PERFORMANCE STATISTICS

Routes H9 and H10 combined



Period	3	4	5	6	7	8	9	10	11	12	13	1/15	2
2014-2015	0.87	0.73	0.68	0.71	1.28	1.00	1.45	0.90	0.92	0.70	1.13	0.95	0.91
Min Standard	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00



Period	3	4	5	6	7	8	9	10	11	12	13	1/15	2
2014-2015	1.0	0.6	0.6	0.7	2.0	1.3	2.6	1.0	1.1	0.8	2.1	1.3	1.4
Benchmark	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

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

ROUTES H9 AND H10 COMBINED - FULL iBUS RESULTS BY TIME OF DAY
QUARTERS 1 TO 4 14/15 (01/04/14 - 31/03/15)

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	20705	20152	97.3	11.46	0.56	12.02	53.0	33.4	11.6	2.0	0.0	65
07:00 - 10:00	68297	66637	97.6	5.33	0.94	6.27	82.6	16.0	1.2	0.2	1.1	55
10:00 - 13:00	70372	69723	99.1	5.00	0.61	5.61	87.3	12.3	0.4	0.0	0.5	51
13:00 - 16:00	70974	69125	97.4	4.98	0.95	5.93	83.5	15.1	1.3	0.1	1.4	50
16:00 - 19:00	70369	67446	95.8	4.97	1.53	6.50	79.5	18.2	2.0	0.3	2.4	60
19:00 - 22:00	42937	44366	103.3	7.61	0.80	8.40	62.5	31.8	4.9	0.8	1.2	61
22:00 - 24:00	22815	23744	104.1	9.96	0.11	10.08	51.3	43.9	4.5	0.3	0.0	60
All Locations Summary	366469	361193	98.6	5.77	0.97	6.74	78.2	19.3	2.2	0.3	1.3	65

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	3156	3139	99.5	15.00	0.24	15.24	33.7	32.3	30.3	3.6	0.0	60
07:00 - 10:00	8603	8343	97.0	9.74	0.69	10.43	61.2	28.4	8.9	1.5	0.1	63
10:00 - 13:00	15062	14538	96.5	4.94	1.16	6.10	83.1	15.3	1.4	0.2	1.7	56
13:00 - 16:00	14706	14072	95.7	5.00	1.37	6.37	80.8	16.9	1.8	0.5	2.2	67
16:00 - 19:00	14237	13518	94.9	5.06	1.37	6.43	79.2	18.3	2.0	0.5	2.3	59
19:00 - 22:00	8027	8235	102.6	8.54	1.17	9.71	55.4	35.6	7.2	1.8	1.2	58
22:00 - 24:00	4866	4924	101.2	9.97	0.34	10.31	50.3	44.3	4.7	0.8	0.3	65
All Locations Summary	68657	66769	97.3	6.49	1.14	7.62	73.0	22.1	4.1	0.8	1.6	67

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	1470	1467	99.8	15.00	0.12	15.12	52.9	20.0	23.8	3.3	7.2	44
07:00 - 10:00	6522	6485	99.4	13.08	0.32	13.40	41.4	39.0	17.4	2.1	0.0	63
10:00 - 13:00	8070	8554	106.0	9.95	0.15	10.10	51.6	41.3	6.7	0.4	0.1	105
13:00 - 16:00	7416	7942	107.1	10.00	0.39	10.39	51.8	38.9	8.2	1.0	0.1	54
16:00 - 19:00	8118	8332	102.6	10.00	0.48	10.47	50.4	40.9	7.5	1.2	0.2	64
19:00 - 22:00	7926	8370	105.6	10.01	0.23	10.24	51.3	41.5	6.5	0.6	0.0	53
22:00 - 24:00	5334	5524	103.6	10.00	0.14	10.14	50.9	44.1	4.4	0.5	0.0	47
All Locations Summary	44856	46674	104.1	10.34	0.31	10.65	50.4	40.4	8.3	1.0	0.2	105

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	25331	24758	97.7	12.05	0.51	12.56	50.5	32.9	14.4	2.2	0.3	65
07:00 - 10:00	83422	81465	97.7	6.07	0.89	6.97	78.8	18.2	2.7	0.4	0.9	63
10:00 - 13:00	93504	92815	99.3	5.52	0.65	6.17	82.7	15.9	1.3	0.1	0.7	105
13:00 - 16:00	93096	91139	97.9	5.48	0.95	6.44	79.9	17.8	2.0	0.3	1.4	67
16:00 - 19:00	92724	89296	96.3	5.44	1.42	6.86	76.7	20.3	2.6	0.4	2.2	64
19:00 - 22:00	58890	60971	103.5	7.99	0.78	8.77	60.4	33.4	5.3	0.9	1.1	61
22:00 - 24:00	33015	34192	103.6	9.97	0.15	10.11	51.1	44.0	4.5	0.4	0.1	65
All Locations Summary	479982	474636	98.9	6.28	0.93	7.21	75.0	21.5	3.0	0.4	1.2	105

Transport for London - QSI Points and Live Mileage List

Route H9

TRANCHE 528

Service change 25015 Revised Mileage Grid

Date 3 September 2011

QSI Points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
HARRBS S	HARRBS S	HARROW BUS STATION		
HARRBS	R0841	Harrow Bus Station	0	0.00
	37309	Harrow Town Centre	302	0.19
	BP5654	Gayton Road	319	0.20
	34087	Harrow High School	287	0.18
NWPKHP	BP4385	Northwick Park Hospital	569	0.35
	BP893	Gayton Road	788	0.49
NWPKSN	29428	Northwick Park Station	526	0.33
	20041	Northwick Avenue	461	0.29
KNTNSN	34328	Kenton Station	313	0.19
	1756	Carlton Avenue	253	0.16
	16127	Odeon Parade	211	0.13
	17663	St Leonard's Avenue	289	0.18
	16124	Kenton Road	316	0.20
	16122	Hunters Grove	433	0.27
KNTNLB	13420	Kenton Library	327	0.20
	16035	Kingshill Avenue	333	0.21
	16041	Kenmore Avenue	512	0.32
	16038	Harrow Leisure Centre	491	0.31
	BP1393	Palmerston Road	314	0.20
	14705	The Wealdstone Centre	602	0.37
HWDNSN	14841	Harrow & Wealdstone Station	229	0.14
	16043	Harrow Crown Court	355	0.22
	12884	Harrow View	463	0.29
	R0370	Pinner View	269	0.17
	16047	Kingsfield Avenue	546	0.34
	16049	Pinner Road	449	0.28
NHARSN	16051	North Harrow Station	233	0.14
	16054	The Ridgeway	398	0.25
	16056	Vicarage Way	389	0.24
RNLNSN	29083	Rayners Lane	285	0.18
	16057	Rayners Lane Station	184	0.11
	25194	Warden Avenue	276	0.17
	16422	Capthorne Avenue	392	0.24
	16420	Newquay Crescent	274	0.17
	16419	Malvern Avenue	355	0.22
	BP5820	Kings Road, Bodmin Close		
	14361	Kings Road		
	16417	Alexandra Avenue	378	0.23
	16414	Corbins Lane	424	0.26
SHARSN	29641	South Harrow Station	569	0.35
	16134	Grange Road	610	0.38
	BP1984	Dudley Gardens	263	0.16
	16133	Whitmore Road	396	0.25
	16130	Roxborough Avenue	283	0.18
	BP3073	St Georges Centre	893	0.55
HARRBS	R0839	Harrow Bus Station	215	0.13
	HARRBS S	HARROW BUS STATION	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION			17333	10.77

Transport for London - QSI Points and Live Mileage List

Route

H10

TRANCHE 528

Service change

25016 Revised Mileage Grid

Date

3 September 2011

QSI Points are highlighted.

OUT DIRECTION				
Timing Point				
Code	Stop Number	Stop Name	Metres	Miles
HARRBS S	HARRBS S	HARROW BUS STATION		
HARRBS	R0842	Harrow Bus Station	0	0.00
	16131	Roxborough Avenue	706	0.44
	16132	West Street	369	0.23
	BP1983	Dudley Gardens	311	0.19
	16135	Grange Road	344	0.21
SHARSN	2534	South Harrow Station	533	0.33
	16415	Corbins Lane	539	0.33
	16416	Alexandra Avenue	342	0.21
	14362	Kings Road	554	0.34
	16418	Malvern Avenue	449	0.28
	16421	Newquay Crescent	550	0.34
	16423	Capthorne Avenue	235	0.15
	25193	Warden Avenue	448	0.28
RNLNSN	29084	Rayners Lane Station	288	0.18
	16055	Village Way East	364	0.23
	16053	The Ridgeway	544	0.34
NHARSN	16052	North Harrow Station	319	0.20
	16050	Pinner Road	268	0.17
	16048	Kingsfield Avenue	347	0.22
	16046	Pinner View	484	0.30
	12885	Harrow View	468	0.29
	16044	Harrow Crown Court	318	0.20
HWDNSN	BP3497	Harrow & Wealdstone Station	420	0.26
	16040	The Wealdstone Centre	221	0.14
	BP1394	Oxford Road	504	0.31
	16039	Harrow Leisure Centre	400	0.25
	16037	Kenmore Avenue	565	0.35
	16036	Kingshill Avenue	425	0.26
KNTNLB	7504	Kenton Library	362	0.22
	16123	Hunters Grove	317	0.20
	16125	Woodcock Hill / Kenton Lane	473	0.29
	25066	St Leonard's Avenue	279	0.17
	16126	Upton Gardens	309	0.19
KNTNSN	1757	Kenton Station	385	0.24
NWPKSN	33935	Northwick Park Station	354	0.22
NWPKHP	BP4386	Northwick Park Hospital	925	0.57
	16128	Harrow High School	560	0.35
	BP4439	Gayton Road	303	0.19
	37310	Harrow Town Centre	264	0.16
HARRBS	R0839	Harrow Bus Station	418	0.26
HARRBS S	HARRBS S	HARROW BUS STATION	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION			16264 metres	10.11 miles