

7. Service Specification

Route: 483

Contract Reference: QC52607

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	483
Terminus Points	Ealing Hospital Grounds, Stop U and Harrow, Bus Station
Contract Basis	Incentivised
Commencement Date	10 th September 2016
Vehicle Type	87 capacity, dual door, double deck buses
Current Maximum Approved Dimensions	Not Applicable
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard	Average Excess Wait Time - No more than 1.20 minutes
Extension Threshold	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 17th August 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 (FOR ROUTE NO. 83), QSI BY TIME OF DAY (FOR ROUTE NO. 83), IBUS MILEAGE & QSI POINTS

2) NOTES

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:

- New Route No. 483 will operate Ealing Hospital Grounds, Stop U and Harrow, Bus Station.
- Route No. 483 will operate via the existing routeing of Route Nos. 83 & N83, Route No. 245 and Route No.182 between Ealing Hospital Grounds, Stop U and Wembley Stadium Station, East Lane and between Watford Road and Harrow, Bus Station respectively.
- The section between Alperton Station and Ealing Hospital Grounds, Stop U on Route No. 83 is withdrawn and is replaced by New Route No. 483. Route Nos. 83 & N83 are being tendered separately as part of this tranche.
- Route No. 483 is specified to terminate at Harrow, Bus Station. Tenderers should assume that a suitable stand will be made available within 5 minutes running time (in each direction) of this location.
- **Please see Section 5 for a full list of streets traversed and standing arrangements.**
- Double deck, dual door, 87 capacity vehicles are specified, subject to a satisfactory route test.
- Mondays to Saturdays daytime frequencies are specified at every 8 minutes.
- Sunday daytime frequencies are specified at every 10 minutes.
- All evening frequencies are specified at every 12 minutes.
- Saturdays and Sundays early morning frequencies are specified at every 15 minutes.
- First and last departures are timed to meet train connections.
- Route No. 83 schedules were used as a guide for Route No. 483 timebands.
- Departures ex Harrow, Bus Station are back projected from Wembley Stadium Station (Bus Stop Number 13149 on Route No. 83 - in the direction towards Ealing Hospital Grounds, Stop U).

Tenderers are also encouraged to offer two axle vehicles with a longer wheelbase and increased capacity, subject to route constraints. Tenders offering such vehicles will be welcomed and carefully considered by the Corporation. Triaxle vehicles are not being considered by the Corporation at this time.

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

Ealing Hospital Grounds, Stop U to Harrow, Bus Station			Harrow, Bus Station to Ealing Hospital Grounds, Stop U		
First departure no later than 0445.			First departure no later than 0520.		
0440 - 0530	Every 15 minutes		0515 - 0550	Every 15 minutes	
0531 - 0600	Every 10 minutes		0551 - 0630	Every 10 minutes	
0601 - 1855	Every 8 minutes		0631 - 1945	Every 8 minutes	
1856 - 2005	Every 10 minutes		1946 - 2045	Every 10 minutes	
2006 - 0020	Every 12 minutes		2046 - 0115	Every 12 minutes	
Last departure no earlier than 0015.			Last departure no earlier than 0110.		
Pinchpoints					
Wembley Central Station	0705 - 0905	8 minutes	Ealing Church	0725 - 0900	8 minutes
	1505 - 1645	8 minutes		1505 - 1635	8 minutes

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Ealing Hospital Grounds, Stop U to Harrow, Bus Station			Harrow, Bus Station to Ealing Hospital Grounds, Stop U		
First departure no later than 0445.			First departure no later than 0520.		
0440 - 0605	Every 20 minutes		0515 - 0620	Every 20 minutes	
0606 - 0750	Every 15 minutes		0621 - 0750	Every 15 minutes	
0751 - 0820	Every 10 minutes		0751 - 0810	Every 10 minutes	
0821 - 1805	Every 8 minutes		0811 - 1825	Every 8 minutes	
1806 - 1905	Every 10 minutes		1826 - 1945	Every 10 minutes	
1906 - 0020	Every 12 minutes		1946 - 0115	Every 12 minutes	
Last departure no earlier than 0015.			Last departure no earlier than 0110.		
Pinchpoints					
Wembley Central Station	0850 - 1100	8 minutes	Ealing Church	0900 - 1100	8 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

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

Ealing Hospital Grounds, Stop U to Harrow, Bus Station		Harrow, Bus Station to Ealing Hospital Grounds, Stop U			
First departure no later than 0445.		First departure no later than 0520.			
0440 - 0615	Every 30 minutes	0515 - 0650	Every 30 minutes		
0616 - 0755	Every 20 minutes	0651 - 0730	Every 20 minutes		
0756 - 0840	Every 15 minutes	0731 - 0815	Every 15 minutes		
0841 - 0905	Every 12 minutes	0816 - 0915	Every 12 minutes		
0906 - 1835	Every 10 minutes	0916 - 1905	Every 10 minutes		
1836 - 0020	Every 12 minutes	1906 - 0115	Every 12 minutes		
Last departure no earlier than 0015.		Last departure no earlier than 0110.			
Pinchpoints					
Wembley Central Station	1005 - 1135	10 minutes	Ealing Church	1000 - 1130	10 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 483 should interwork with Route No. N83 to provide a seamless 24 hour service between Ealing Hospital Grounds, Stop U and Wembley Stadium Station.
- 4.2) Route No. 483 should interwork with Route No. 182 between Harrow, Bus Station and Watford Road (at junction with East Lane) during all periods.
- 4.3) Route No. 483 may suffer from unpredictable traffic delays in the Alperton and Wembley areas.
- 4.4) Route No. 83 may suffer from delays caused by traffic congestion along A406 Hanger Lane approaching the gyratory mainly during the Mondays to Fridays PM peak.
- 4.5) Route Nos. 483 may sometimes suffer from unpredictable and severe delays caused by sports and other events at the Wembley complex.
- 4.6) There isn't an available stand at Harrow town centre but it is envisaged that one can be made available either through a short extension of another shorter route standing at the bus station or a new stand on College Road or Kymberley Road. Plans to redevelop the existing bus station may also allow additional standing. Further work will be undertaken to find an appropriate stand in liaison with the London Borough of Harrow. Tenderers should assume that a suitable stand will be made available within 5 minutes running time (in each direction) of Harrow, Bus Station.

4) OPERATIONAL CONSIDERATIONS - continued

- 4.7) It is expected that some passenger demand will shift from Ealing Hospital to Northwick Park Hospital. This may affect demand on the route.
- 4.8) Crossrail will connect the City, Canary Wharf, the West End and Heathrow Airport to commuter areas east and west of the capital. Major construction of the railway began in 2010, with the first services expected to commence through the central London tunnelled section in late 2018. The full Crossrail service will be operating from Heathrow and Reading to Abbey Wood and Shenfield in late 2019. The construction impacts of Crossrail could affect Route No. 483 and it is anticipated that some passenger demand for Route No. 483 may shift to this line when it opens. Route No. 483 will be reviewed closer to the opening date.

5) ROUTE RECORD, CURRENT PERFORMANCE (FOR ROUTE NO. 83), QSI BY TIME OF DAY (FOR ROUTE NO. 83), IBUS MILEAGE & QSI POINTS

- 5.1) ROUTE RECORD
As per Busnet printout.
- 5.2) CURRENT PERFORMANCE (FOR ROUTE NO. 83)
As per current print out.
- 5.3) QSI BY TIME OF DAY (FOR ROUTE NO. 83)
As per current print out.
- 5.4) IBUS MILEAGE & QSI POINTS
As per current print out.

LONDON BUSES - ROUTE DESCRIPTION

ROUTE 483: Ealing Hospital - Harrow, Bus Station

Date of Structural Change: 3 September 2016.

Date of Service Change: 3 September 2016.

Reason for Issue: New route.

STREETS TRAVERSED

Towards Harrow, Bus Station: Private Road In Ealing Hospital Grounds, Uxbridge Road, Turn Through Gap In Central Reservation, Uxbridge Road, West Ealing Broadway, Uxbridge Road, New Broadway, The Broadway, The Mall, Uxbridge Road, Hanger Lane Slip Road, Hanger Lane, Hanger Lane Gyratory, Hanger Lane, Ealing Road, Wembley High Road, Wembley Hill Road, Empire Way, Wembley Hill Road, East Lane, Watford Road, Kenton Road, Peterborough Road, Station Road, College Road, Harrow Bus Station.

Towards Ealing Hospital: College Road, Station Road, Peterborough Road, Kenton Road, Watford Road, East Lane, Wembley Hill Road, Empire Way, Wembley Hill Road, Wembley High Road, Ealing Road, Hanger Lane, Hanger Lane Gyratory, Hanger Lane, Hanger Lane Slip Road, Uxbridge Road, The Mall, The Broadway, New Broadway, Uxbridge Road, West Ealing Broadway, Uxbridge Road, Private Road In Ealing Hospital Grounds.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

EALING HOSPITAL GROUNDS, STAND U

Private stand for 1 bus at Stop U in Ealing Hospital grounds in bus bays on west side of hospital building.

Buses proceed from Private Road In Ealing Hospital Grounds direct to stand, departing to Private Road In Ealing Hospital Grounds. Set down in Private Road In Ealing Hospital Grounds, at stop U (35630 - Ealing Hospital and pick up in Private Road In Ealing Hospital Grounds, at stop R (35631 - Ealing Hospital.

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 2 buses on Route 483 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: Ealing Hospital.
OTHER INFORMATION: Ealing Hospital toilet facilities available 24 hours a day.

EALING BROADWAY (from HARROW, BUS STATION)

Buses proceed from The Broadway via Ealing High Street, Bond Street, New Broadway and The Broadway departing to The Mall. Set down in The Mall, at stop K (733 - Ealing Broadway and pick up in The Broadway, at stop H (734 - Ealing Broadway Station <> #.

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

EALING BROADWAY, HAVEN GREEN, STAND Z3/Z4 (from HARROW, BUS STATION)

Buses proceed from The Mall via The Broadway, Spring Bridge Road, Haven Green (West Side), Haven Green (North Side), Haven Green (East Side) and The Broadway departing to The Mall. Set down in The Mall, at stop K (733 - Ealing Broadway and pick up in The Mall, at stop EM (20519 - North Common Road.

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

ALPERTON, SAINSBURY'S

From Ealing Hospital.

Buses proceed from Ealing Road via Glacier Way departing to Ealing Road. Set down in Ealing Road, at stop G (14840 - Glacier Way and pick up in Ealing Road, at stop E (14827 - Glacier Way.

From Harrow, Bus Station.

Buses proceed from Ealing Road via Glacier Way departing to Ealing Road. Set down in Ealing Road, at stop A (15950 - Alperton Station <> and pick up in Ealing Road, at stop B (14833 - Alperton Station <>.

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: **Turning Point Only - Buses must not stand**
BLIND DISPLAY: Alperton, Sainsbury's.

ALPERTON STATION (from HARROW, BUS STATION)

Buses proceed from Ealing Road via Alperton Station Forecourt departing to Ealing Road. Set down in Ealing Road, at stop A (15950 - Alperton Station <> and pick up in Ealing Road, at stop B (14833 - Alperton Station <>.

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

WEMBLEY, WEMBLEY ARENA (from Ealing Hospital)

Buses proceed from Wembley Hill Road via Empire Way departing to Wembley Hill Road. Set down in Wembley Hill Road, at stop SD (595 - Wembley Stadium Station # and pick up in Wembley Hill Road, at stop SA (13149 - Wembley Stadium Station #.

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

HARROW BUS STATION

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

Buses proceed from direct to stand, departing to . Set down {Not Specified} and pick up {Not Specified}.

AVAILABILITY: At any time.

OPERATING RESTRICTIONS: No more than 2 buses on Route 483 should be scheduled to stand at any one time.

MEAL RELIEFS: No meal relief vehicles to stand at any time.

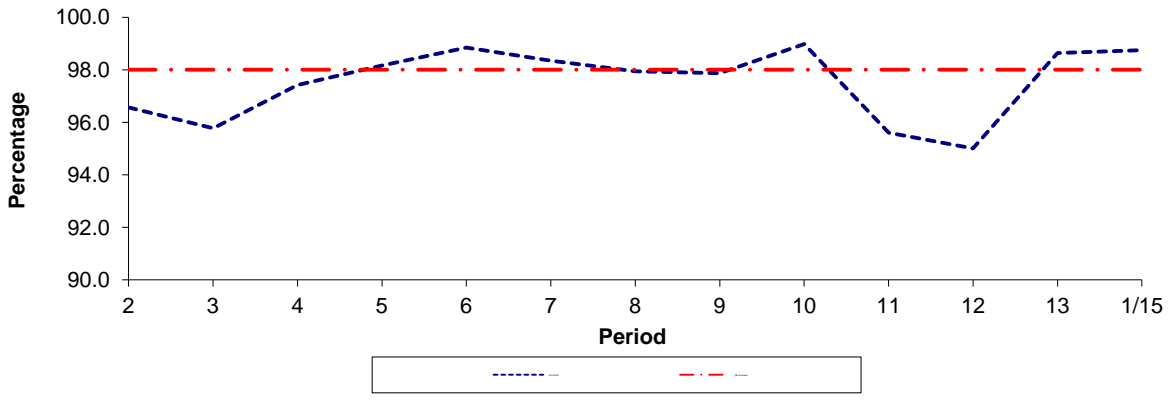
FERRY VEHICLES: No ferry vehicles to park on stand at any time.

BLIND DISPLAY: Harrow.

PART B - PERFORMANCE STATISTICS

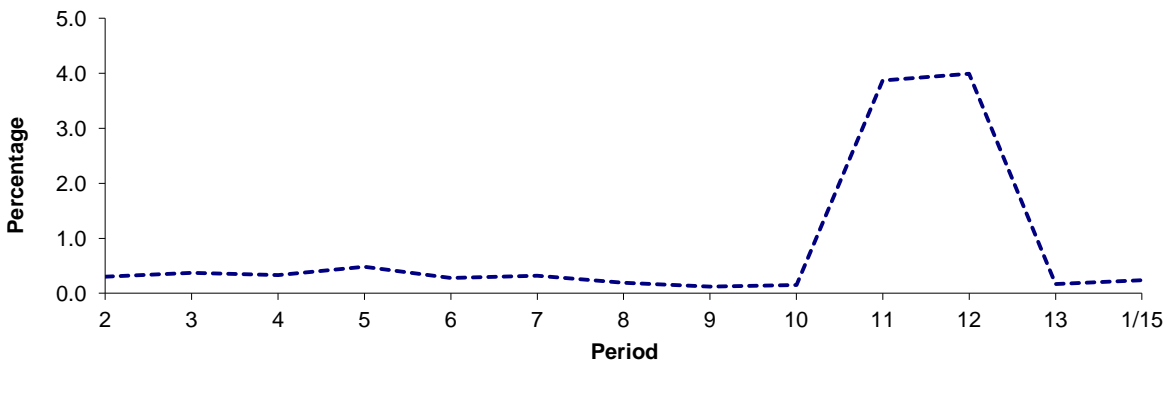
Route 83

Mileage Operated



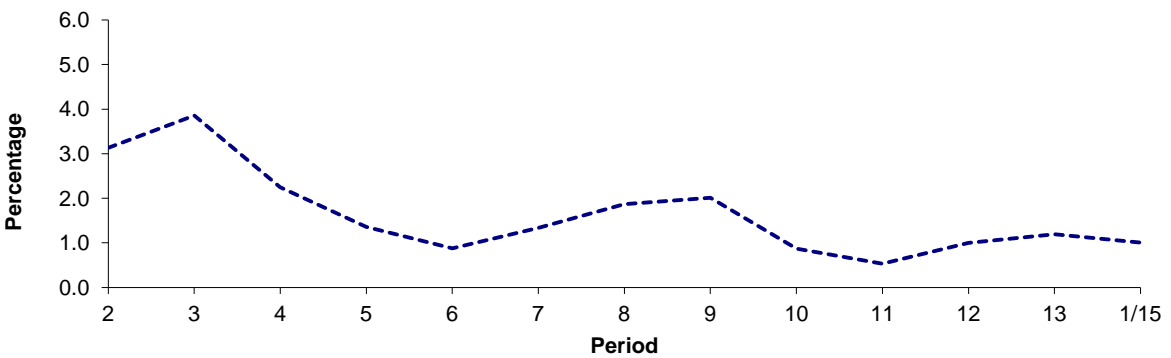
Period	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014/2015	96.57	95.77	97.42	98.16	98.84	98.34	97.94	97.87	98.98	95.60	95.01	98.64	98.75
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00

Deductible Mileage



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014/2015	0.30	0.37	0.33	0.48	0.28	0.32	0.19	0.12	0.15	3.87	3.99	0.17	0.24

Non Deductible Mileage

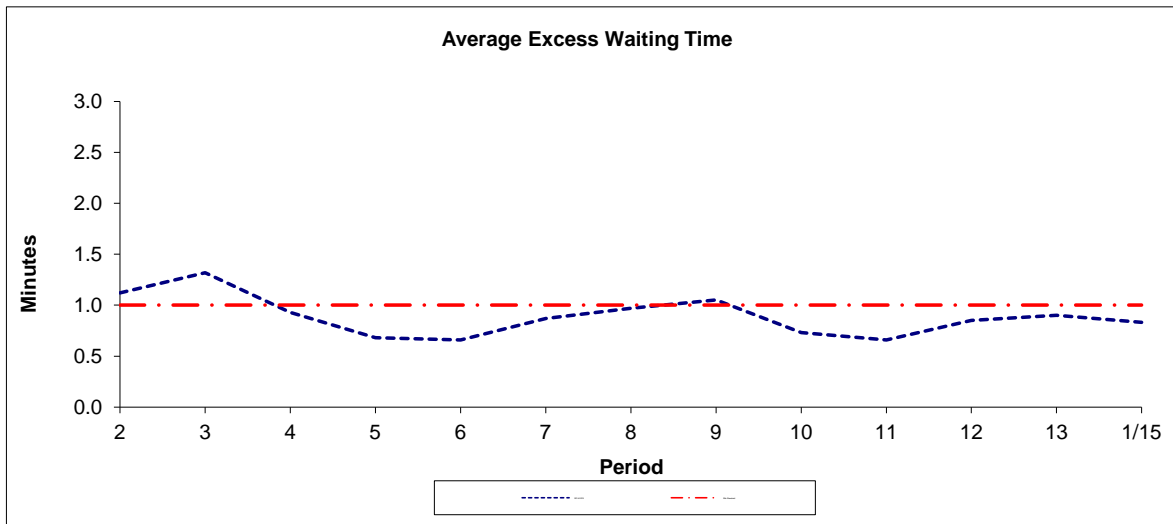


Period	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014/2015	3.13	3.86	2.25	1.36	0.88	1.34	1.87	2.01	0.87	0.53	1.00	1.19	1.01

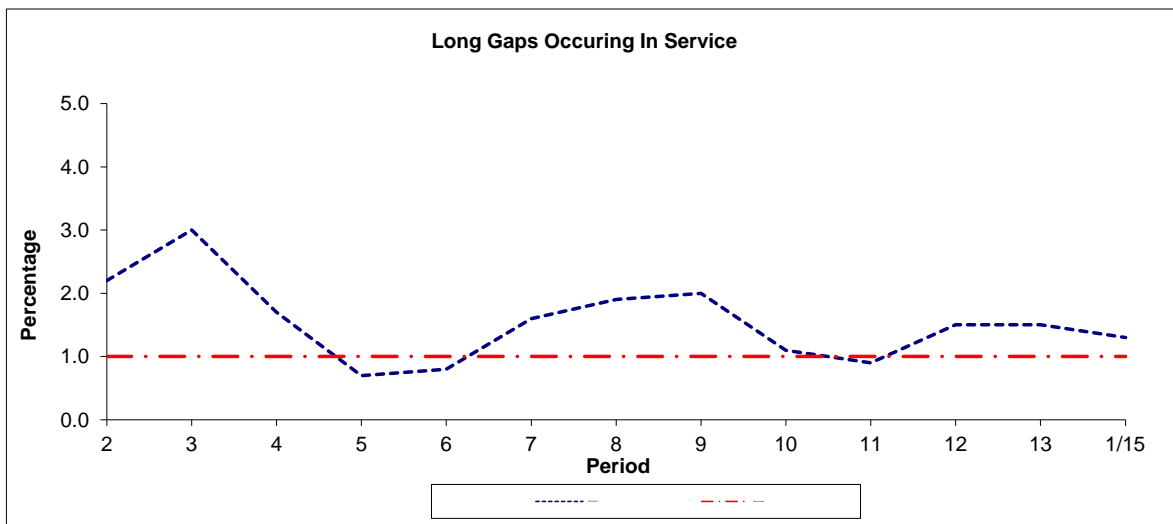
Note : Mileage is based on 4 weeks data
 Deductible Mileage was adversely affected by industrial action in periods 11 and 12 14/15.

PART B - PERFORMANCE STATISTICS

Route 83



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014-2015	1.12	1.32	0.93	0.68	0.66	0.87	0.97	1.05	0.73	0.66	0.85	0.90	0.83
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	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014-2015	2.2	3.0	1.7	0.7	0.8	1.6	1.9	2.0	1.1	0.9	1.5	1.5	1.3
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.
 An minimum standard of 1.20 minutes EWT has been agreed for new route 483.

**ROUTE 83 - 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	56,535.	53,828	95.2	5.95	0.51	6.5	82.2	16.7	1.0	0.1	0.1	59
07:00 - 10:00	126,235.	124,844	98.9	3.92	0.70	4.6	92.6	7.0	0.3	0.0	1.0	47
10:00 - 13:00	123,484.	122,272	99.0	3.92	0.64	4.6	93.3	6.5	0.2	0.0	0.8	44
13:00 - 16:00	122,428.	119,750	97.8	3.92	0.88	4.8	90.9	8.6	0.4	0.1	1.5	52
16:00 - 19:00	120,807.	111,186	92.0	3.97	1.50	5.5	85.4	13.4	1.1	0.1	3.3	55
19:00 - 22:00	104,239.	111,554	107.0	4.55	0.93	5.5	84.6	14.3	0.9	0.1	2.2	57
22:00 - 24:00	51,320.	54,176	105.6	5.79	0.63	6.4	79.4	19.4	1.0	0.2	0.6	57
All Locations	705,048.	697,610	98.9	4.14	0.94	5.1	88.8	10.5	0.6	0.1	1.7	59

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	6,442.	6,275	97.4	10.84	0.41	11.2	52.4	38.5	8.2	0.9	0.0	48
07:00 - 10:00	20,325.	19,609	96.5	5.23	0.66	5.9	84.7	14.7	0.6	0.1	0.5	45
10:00 - 13:00	27,100.	27,246	100.5	3.78	0.68	4.5	93.4	6.2	0.4	0.1	1.2	45
13:00 - 16:00	25,194.	23,979	95.2	4.00	1.15	5.2	88.5	10.6	0.8	0.2	2.3	56
16:00 - 19:00	24,964.	24,881	99.7	4.03	1.03	5.1	89.2	10.0	0.7	0.1	2.1	55
19:00 - 22:00	19,596.	20,197	103.1	5.13	0.92	6.1	81.2	17.5	1.1	0.2	1.5	50
22:00 - 24:00	11,419.	11,523	100.9	5.84	0.90	6.7	76.3	21.1	1.9	0.7	1.6	58
All Locations	135,040.	133,710	99.0	4.51	0.90	5.4	86.9	12.0	0.9	0.2	1.6	58

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	4,866.	4,794	98.5	14.76	0.37	15.1	35.3	34.1	26.4	4.3	0.1	78
07:00 - 10:00	16,018.	15,563	97.2	7.58	0.53	8.1	71.7	25.7	2.4	0.3	0.1	54
10:00 - 13:00	23,910.	23,866	99.8	4.70	0.66	5.4	88.4	11.0	0.5	0.1	0.7	52
13:00 - 16:00	22,150.	21,900	98.9	4.96	0.85	5.8	84.6	14.3	1.0	0.1	1.1	44
16:00 - 19:00	22,865.	23,156	101.3	4.84	0.71	5.6	86.9	12.3	0.7	0.2	1.0	44
19:00 - 22:00	20,210.	20,514	101.5	5.53	0.72	6.2	80.3	18.5	1.0	0.2	0.9	45
22:00 - 24:00	12,685.	12,930	101.9	5.93	0.64	6.6	79.1	19.7	0.9	0.3	0.7	63
All Locations	122,704.	122,723	100.0	5.45	0.71	6.2	82.8	15.5	1.4	0.2	0.8	78

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	67,843.	64,897	95.7	7.02	0.49	7.5	76.1	20.2	3.3	0.4	0.1	78
07:00 - 10:00	162,578.	160,016	98.4	4.21	0.69	4.9	90.9	8.6	0.4	0.1	0.9	54
10:00 - 13:00	174,494.	173,384	99.4	3.99	0.65	4.6	92.8	6.9	0.3	0.0	0.9	52
13:00 - 16:00	169,772.	165,629	97.6	4.04	0.92	5.0	89.9	9.5	0.5	0.1	1.6	56
16:00 - 19:00	168,636.	159,223	94.4	4.06	1.37	5.4	86.0	12.9	1.0	0.1	3.0	55
19:00 - 22:00	144,045.	152,265	105.7	4.74	0.91	5.6	83.7	15.2	1.0	0.2	2.0	57
22:00 - 24:00	75,424.	78,629	104.2	5.81	0.67	6.5	79.0	19.7	1.1	0.3	0.8	63
All Locations	962,792.	954,043	99.1	4.31	0.91	5.2	88.0	11.1	0.7	0.1	1.6	78

Transport for London - QSI Points and Live Mileage List

Route 483
 Service change 27868
 Date 21/06/2011

Reason for Issue

QSI Points are highlighted in blue.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
HARRBS	R0841	Harrow Bus Station		
	37309	Harrow Town Centre	302	0.19
	15015	Harrow Central Police Station	233	0.14
NWPKHP	3392	Northwick Park Hospital	1134	0.70
	2489	The Green / Carlton Avenue West	728	0.45
	3390	Sudbury Court Road	550	0.34
	17023	Pasture Road	330	0.20
	17021	Sudbury Court Sports Club	459	0.29
NWEMSN	4592	North Wembley Station	431	0.27
	17019	Pembroke Road	358	0.22
	17017	Rosslyn Crescent	287	0.18
	17063	Park Lane	640	0.40
	13149	Wembley Stadium Station	650	0.40
	37172	Cecil Avenue	425	0.26
	1483	Wembley High Road	156	0.10
WEMBCS	R0268	Wembley Central Station	485	0.30
	1256	Chaplin Road	213	0.13
	36879	Lyon Park Avenue	180	0.11
	15947	Eagle Road	294	0.18
	33948	Stanley Avenue	346	0.21
ALPNSN	15950	Alperton Station	360	0.22
	14827	Glacier Way	420	0.26
	14832	Vicar's Bridge	318	0.20
	R0579	Cleveley Crescent	186	0.12
HRLNSN	14829	Hanger Lane Station	438	0.27
	17290	Ashbourne Road	160	0.10
	15953	Hillcrest Road	584	0.36
	15954	Audley Road	389	0.24
	15956	North Ealing Station	318	0.20
	15959	Gunnersbury Avenue	671	0.42
	733	Ealing Broadway	568	0.35
EALBCH	738	Christchurch	433	0.27
	18463	Ealing Police Station	368	0.23
	3063	Dane Road	346	0.21
	3066	Northfield Avenue	219	0.14
	3069	The Lido	182	0.11
WEALSH	3071	West Ealing Broadway	349	0.22
	3037	Grosvenor Road	262	0.16
	3077	Church Road	286	0.18
	1245	Hanwell Broadway	234	0.15
	3080	Half Acre Road	296	0.18
EALGHPU	35630	Ealing Hospital	584	0.36
TOTAL ROUTE MILEAGE - OUT DIRECTION			16172	10.04
			metres	miles

Mileages in red font are planning estimates & not ibus calculations.
 Mileages in green font has been extracted from Route No. 182.
 Mileages in dark brown font has been extracted from Route No. 245.
 Mileages in purple font have been extracted from Route No. 83
 Bus stop number 17063 is served by Route Nos. 79 & 204.
FINAL MILEAGE TO BE CONFIRMED.

TRANCHE 526**Harrow Bus Station - Ealing Hospital**

End of refurbishment works at Golders Green

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
EALGHPU	35631	Ealing Hospital		
	3081	Ealing Hospital	353	0.22
	4637	Lower Boston Road	510	0.32
HWELBY	33866	Hanwell Broadway	363	0.23
	3072	Grosvenor Road	433	0.27
WEALSH	15349	Leeland Road	369	0.23
	3067	Bedford Road	193	0.12
	3064	Broughton Road	334	0.21
	3062	St Leonard's Road	292	0.18
	3058	Longfield Avenue	270	0.17
EALBCH	BP5620	Bond Street	160	0.10
	734	Ealing Broadway Station	300	0.19
	20519	North Common Road	399	0.25
	15958	Gunnersbury Avenue	414	0.26
	15957	North Ealing Station	467	0.29
	15952	Hillcrest Road	956	0.59
HRLNSN	R0103	Hanger Lane Station	523	0.32
	35811	Hanger Lane Gyratory	272	0.17
	14830	Quill Street	424	0.26
	14828	Alperton Lane	148	0.09
	14840	Glacier Way	236	0.15
ALPNSN	14833	Alperton Station	453	0.28
	R0657	Clayton Avenue	460	0.29
	15946	Eagle Road	268	0.17
	36880	Lyon Park Avenue	183	0.11
	4590	High Road Wembley	340	0.21
WEMBCS	1934	Wembley Central Station	284	0.18
	R0264	Copland School	293	0.18
	1220	Wembley Triangle	266	0.17
	595	Wembley Stadium Station	299	0.19
Stops East lane and Wembley Hill Road are very close. Maybe only need to stop at East Lane (17062) and then run to Rosslyn Crescent (17016)				
	17062	East Lane	900	0.56
	17015	Wembley Hill Road	120	0.07
	17016	Rosslyn Crescent	267	0.17
	17018	Pembroke Road	292	0.18
NWEMSN	7805	North Wembley Station	354	0.22
	17020	Sudbury Court Sports Club	513	0.32
	17022	Pasture Road	384	0.24
	15013	Sudbury Court Road	350	0.22
	2490	The Green / Carlton Avenue West	596	0.37
NWPKHP	BP5399	Northwick Park Hospital	810	0.50
	34198	University Of Westminster	226	0.14
	15016	Harrow Central Police Station	629	0.39
	37310	Harrow Town Centre	172	0.11
HARRBS	R0838	Harrow Bus Station	450	0.28
TOTAL ROUTE MILEAGE - BACK DIRECTION			16325	10.15
			metres	miles

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Mileages in purple font have been extracted from Route No. 83.

Mileages in dark brown font has been extracted from Route No. 245.

Mileages in green font has been extracted from Route No. 182.

Bus stop number 17062 is served by Route Nos. 79 & 204.

Bus stop number 17015 is served by Route No. 245.

FINAL MILEAGE TO BE CONFIRMED.