

7. Service Specification

Route: 282

QC47201

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	Ealing Hospital Grounds, Stop R and Mount Vernon Hospital, Main Entrance
Contract Basis	Incentivised
Commencement Date	7 th March 2015
Vehicle Type	87 capacity, dual door, double deck buses
Current Maximum Approved Dimensions	10 metres long and 2.55 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 1.10 minutes
Extension Threshold	Average Excess Wait Time Threshold - 0.95 minutes
Minimum Operated Mileage	No less than 98.00%

The Date of Tender for this ITT is: No later than 12 Noon on Monday 28th April 2014

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. 282

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. 282.

Tenderers should note that if they are supplying an alternative price based on using existing vehicles, these must be refurbished in line with the revised specification dated 1st March 2014. This applies to all contracts awarded from Tranche 471 onwards.

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.**

All tender prices should be based on the gross fuel cost exclusive of BSOG payments which will not be claimable from DfT after 1st October 2013.

It is anticipated that Cashless Boarding will be extended throughout London at some stage during the lifetime of this contract. Tenderers are required to identify and submit the level of saving that would be achieved when the scheme is introduced.

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Ealing Hospital Grounds, Stop R to Mount Vernon Hospital, Main Entrance		Mount Vernon Hospital, Main Entrance to Ealing Hospital Grounds, Stop R			
First departure no later than 0515.		First departure no later than 0510.			
0510 - 0600	Every 15 minutes	0505 - 0555	Every 15 minutes		
0601 - 1920	Every 12 minutes	0556 - 1945	Every 12 minutes		
1921 - 0010	Every 15 minutes	1946 - 0005	Every 15 minutes		
Last departure no earlier than 0005.		Last departure no earlier than 2400.			
Pinchpoints					
Northwood Hills Station	0715 - 0815	12 minutes	Greenford Broadway	0700 - 0800	12 minutes
	1530 - 1630	12 minutes		1500 - 1600	12 minutes

3.2) MONDAY TO FRIDAY SCHOOLDAYS SCHEDULE REQUIREMENTS

Greenford Broadway to Northwood Hills Station		Northwood Hills Station to Greenford Broadway	
0730	One journey	1445	One journey
		1450	One journey

The journeys shown in Section 3.2 are specifically designed to meet the start and finish times of Northwood School, Holy Trinity School, Greenford High School and Cardinal Wiseman High School in the Northolt Hills and Greenford areas.

3.3) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Ealing Hospital Grounds, Stop R to Mount Vernon Hospital, Main Entrance		Mount Vernon Hospital, Main Entrance to Ealing Hospital Grounds, Stop R			
First departure no later than 0515.		First departure no later than 0510.			
0510 - 0715	Every 20 minutes	0505 - 0710	Every 20 minutes		
0716 - 0815	Every 15 minutes	0711 - 0755	Every 15 minutes		
0816 - 1850	Every 12 minutes	0756 - 1830	Every 12 minutes		
1851 - 0010	Every 15 minutes	1831 - 0005	Every 15 minutes		
Last departure no earlier than 0005.		Last departure no earlier than 2400.			
Pinchpoints					
Northwood Hills Station	0920 - 1100	12 minutes	Greenford Broadway	0920 - 1120	12 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

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

Ealing Hospital Grounds, Stop R to Mount Vernon Hospital, Main Entrance		Mount Vernon Hospital, Main Entrance to Ealing Hospital Grounds, Stop R			
First departure no later than 0515.		First departure no later than 0510.			
0510 - 0855	Every 20 minutes	0505 - 0850	Every 20 minutes		
0856 - 0010	Every 15 minutes	0851 - 0005	Every 15 minutes		
Last departure no earlier than 0005.		Last departure no earlier than 2400.			
Pinchpoints					
Northwood Hills Station	1000 - 1100	15 minutes	Greenford Broadway	1000 - 1100	15 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 282 should be best separated from Route No. 92 between Ealing Hospital Grounds and Greenford Broadway during all periods.
- 4.2) Route No. 282 can suffer from unpredictable traffic delays in the Northwood and Southall areas.

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 282: Ealing Hospital - Mount Vernon Hospital

Date of Structural Change: 7 March 2015.

Date of Service Change: 7 March 2015.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Mount Vernon Hospital: Private Road In Ealing Hospital Grounds, Uxbridge Road, U-Turn Through Central Reservation, Uxbridge Road, Greenford Road, The Broadway, Ruislip Road, White Hart Roundabout, Church Road, Target Roundabout, Church Road, Mandeville Road, Eastcote Lane North, Eastcote Lane, Field End Road, Eastcote High Road, Joel Street, Northwood Hills Circus, Pinner Road, Northwood High Street, Church Road, Northwood Way, Green Lane, Rickmansworth Road, Mount Vernon Hospital Access Road, Private Road In Mount Vernon Hospital Grounds.

Towards Ealing Hospital: Private Road In Mount Vernon Hospital Grounds, Mount Vernon Hospital Access Road, Rickmansworth Road, Green Lane, Northwood Way, Church Road, Northwood High Street, Pinner Road, Northwood Hills Circus, Joel Street, Eastcote High Road, Field End Road, Eastcote Lane, Eastcote Lane North, Mandeville Road, Church Road, Target Roundabout, Church Road, White Hart Roundabout, Ruislip Road, The Broadway, Greenford Road, 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 R

Private stand for 2 buses at Stop R 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 R (C25 - Ealing Hospital, Last Stop on LOR: C25 - Ealing Hospital) and pick up in Private Road In Ealing Hospital Grounds, at Stop R (C25 - Ealing Hospital, First Stop on LOR: C25 - Ealing Hospital).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 282 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.

GREENFORD, RED LION (from MOUNT VERNON HOSPITAL)

Public stand for 5 buses in two sections (11 metres and 49 metres) on east side of Windmill Lane commencing 4 metres south of lamp standard No. D.C 678 and extending overall 66 metres south. Overflow stand for 3 buses in three sections (13 metres, 14 metres and 9 metres) on south side of Otter Road. First two sections commencing 1 metre west of No Entry signpost S4 and extending overall 34.5 metres east; third section commencing level with No Entry signpost S3 and extending 9 metres east.

Buses proceed from The Broadway via Greenford Road, Otter Road and Windmill Lane to stand, departing via Windmill Lane to The Broadway. Set down in The Broadway, at Stop J (2031 - Greenford Broadway, Last Stop on LOR: 2031 - Greenford Broadway) and pick up in The Broadway, at Stop N (2032 - Greenford Broadway, First Stop on LOR: 2032 - Greenford Broadway).

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:	Greenford Broadway.
OTHER INFORMATION:	-Engines must be switched off on stand.

YEADING, WHITE HART

Public stand for one bus on south west side of Old Ruislip Road, alongside the green, commencing at a point 9 metres west of the centre of Hawtry Avenue and extending 13 metres eastwards.

From Ealing Hospital.

Buses proceed from White Hart Roundabout via Ruislip Road and Old Ruislip Road to stand, departing via Old Ruislip Road, Ruislip Road and White Hart Roundabout to Ruislip Road. Set down in Hawtrey Avenue, on stand (29601 - Hawtrey Avenue, Last Stop on LOR: 14890 - Wayfarer Road) and pick up in Ruislip Road, at Stop Y (15785 - Church Road, First Stop on LOR: 15785 - Church Road).

From Mount Vernon Hospital.

Buses proceed from Church Road via White Hart Roundabout, Ruislip Road and Old Ruislip Road to stand, departing via Old Ruislip Road, Ruislip Road and White Hart Roundabout to Church Road. Set down in Church Road, at Stop X (37263 - Yeading / White Hart, Last Stop on LOR: 37263 - Yeading / White Hart) and pick up in Church Road, at Stop V (33016 - Yeading / White Hart, First Stop on LOR: 33016 - Yeading / White Hart).

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:	Yeading, White Hart.

NORTHOLT STATION

Public stand for six buses in bus parking area on west side of Mandeville Road between Carr Road and Castle Road.

From Ealing Hospital.

Buses proceed from Mandeville Road via Bus Lay-By to stand, departing via Bus Lay-By to Mandeville Road. Set down in Mandeville Road, at Stop A (14908 - Northolt Station <>, Last Stop on LOR: 14908 - Northolt Station <>) and pick up in Mandeville Road, at Stop B (18221 - Northolt Station <>, First Stop on LOR: 16142 - Moat Farm Road).

From Mount Vernon Hospital.

Buses proceed from Eastcote Lane North via Mandeville Road and Bus Lay-By to stand, departing via Bus Lay-By and Mandeville Road to Eastcote Lane North. Set down in Eastcote Lane North, at Stop J (33634 - Northolt Swimming Pool, Last Stop on LOR: 33634 - Northolt Swimming Pool) and pick up in Eastcote Lane North, at Stop F (33635 - Northolt Swimming Pool, First Stop on LOR: 33635 - Northolt Swimming Pool).

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:	Northolt.
OTHER INFORMATION:	-Engines must be switched off on stand.

EASTCOTE LIBRARY (from EALING HOSPITAL)

Buses proceed from Field End Road (Southbound) via St Lawrence Drive and Bridle Road departing to Field End Road. Set down in Field End Road, at Stop S (20215 - Meadow Way, Last Stop on LOR: 20215 - Meadow Way) and pick up in Field End Road, at Stop E (20217 - Bridle Road).

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

NORTHWOOD HILLS STATION (from EALING HOSPITAL)

Buses proceed from Joel Street via Northwood Hills Circus departing to Joel Street. Set down in Joel Street, at Stop B (20224 - Northwood Hills Station <>, Last Stop on LOR: 20228 - Colchester Road) and pick up in Joel Street, at Stop C (20227 - Northwood Hills Circus, First Stop on LOR: 20227 - Northwood Hills Circus).

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

NORTHWOOD STATION (from EALING HOSPITAL)

Private stand for one bus on east side of forecourt to Station Car Park, extending 10 metres north from lamp standard 4.

Buses proceed from Green Lane via Station Approach to stand, departing via Northwood Station Forecourt and Station Approach to Green Lane. Set down in Green Lane, at Stop C (14854 - Northwood Station <>, Last Stop on LOR: 14854 - Northwood Station <>) and pick up in Green Lane, at Stop D (14855 - Northwood Station <>, First Stop on LOR: 14855 - Northwood 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: Northwood Station.

MOUNT VERNON HOSPITAL, MAIN ENTRANCE

Private stand on south side of private access road on south side of hospital car park. Buses proceed from Private Road In Mount Vernon Hospital Grounds direct to stand, departing to Private Road In Mount Vernon Hospital Grounds. Set down in Private Road In Mount Vernon Hospital Grounds, at alighting point on stand (28985 - Mount Vernon Hospital, Last Stop on LOR: 28985 - Mount Vernon Hospital) and pick up in Private Road In Mount Vernon Hospital Grounds, at Stop A (BP984 - Mount Vernon Hospital, First Stop on LOR: BP984 - Mount Vernon Hospital).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 2 buses on Route 282 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: Mount Vernon Hospital.

**ROUTE 282 - FULL iBUS RESULTS BY TIME OF DAY
QUARTER 4 12/13 TO QUARTER 3 13/14 (05/01/13 - 03/01/14)**

MONDAY - FRIDAY

Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (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)
0500 - 0700	14,950.	97.5	6.49	0.52	7.01	78.3	20.9	0.8	0.0	0.2	46
0700 - 1000	34,348.	100.7	5.89	0.88	6.77	76.8	21.3	1.6	0.2	0.7	50
1000 - 1300	33,491.	97.8	5.85	0.79	6.65	76.9	21.9	1.2	0.1	0.5	42
1300 - 1600	33,091.	98.8	5.95	1.08	7.03	74.4	23.1	2.2	0.2	1.0	59
1600 - 1900	32,773.	98.1	5.92	1.32	7.24	73.5	23.5	2.6	0.4	1.3	62
1900 - 2200	28,721.	98.8	6.43	1.03	7.46	70.1	27.2	2.4	0.4	1.0	66
2200 - 2400	17,580.	99.8	7.33	0.82	8.15	65.8	31.7	2.3	0.2	0.3	45
Summary	194,954.	98.8	6.04	1.02	7.06	74.3	23.4	2.0	0.3	0.9	66

SATURDAY

Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (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)
0500 - 0700	1,724.	98.7	9.90	0.41	10.32	56.3	37.1	6.3	0.3	1.2	45
0700 - 1000	5,890.	100.7	6.98	0.48	7.46	72.7	25.9	1.3	0.1	0.1	39
1000 - 1300	6,636.	97.6	6.10	0.83	6.94	75.0	23.0	1.8	0.2	0.8	45
1300 - 1600	6,764.	96.3	5.97	1.43	7.40	72.2	24.2	3.1	0.4	1.7	59
1600 - 1900	6,687.	98.4	6.01	1.38	7.39	71.7	25.2	2.7	0.3	1.2	54
1900 - 2200	5,578.	99.3	7.15	0.95	8.10	65.2	31.6	2.9	0.3	0.5	45
2200 - 2400	3,726.	99.3	7.33	0.78	8.11	65.3	32.1	2.5	0.1	0.1	40
Summary	37,005.	98.5	6.43	1.06	7.49	71.3	25.9	2.5	0.3	1.0	59

SUNDAY AND BANK HOLIDAYS

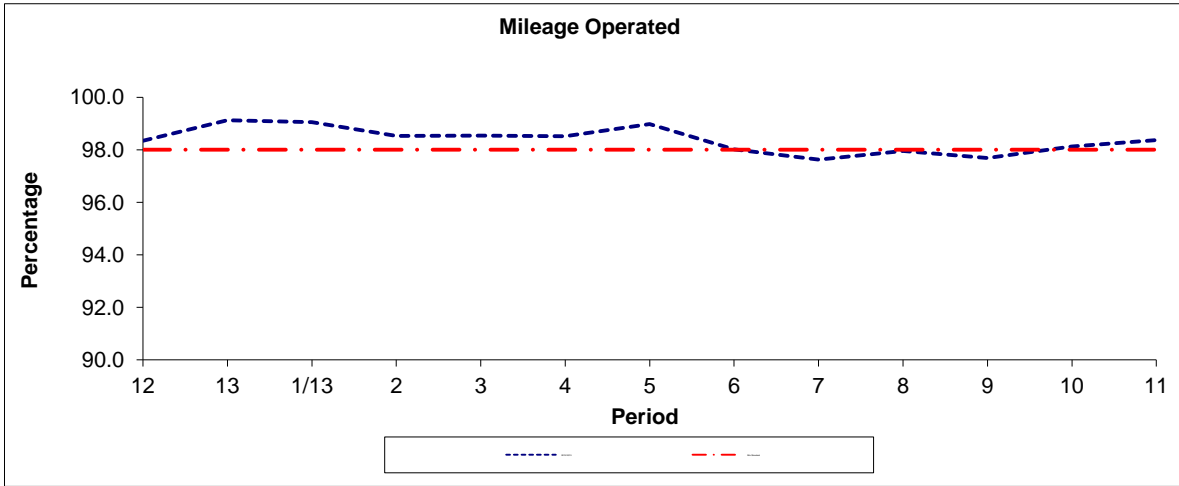
Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (AWT) (mins)	Probability of Waiting < 10 mins (%)	Probability of Waiting 10-20 mins (%)	Probability of Waiting 20-30 mins (%)	Probability of Waiting > 30 mins (%)	Long Gaps (%)	Maximum Gap (mins)
0500 - 0700	2,131.	99.6	9.99	0.29	10.29	55.2	39.2	5.4	0.2	0.7	39
0700 - 1000	4,968.	99.7	9.09	0.34	9.43	58.0	37.9	4.1	0.1	0.0	46
1000 - 1300	6,411.	99.4	7.32	0.57	7.89	66.1	31.8	1.9	0.2	0.2	37
1300 - 1600	6,366.	99.3	7.41	0.93	8.34	64.2	31.9	3.4	0.5	0.5	45
1600 - 1900	6,432.	98.1	7.42	0.84	8.26	64.2	32.6	2.9	0.3	0.3	50
1900 - 2200	6,178.	100.9	7.54	0.99	8.53	63.0	32.5	4.1	0.4	0.4	40
2200 - 2400	4,281.	101.5	7.44	0.66	8.10	66.1	31.9	2.0	0.1	0.1	37
Summary	36,767.	99.7	7.62	0.76	8.37	63.8	32.8	3.1	0.3	0.3	50

ALL DAYS

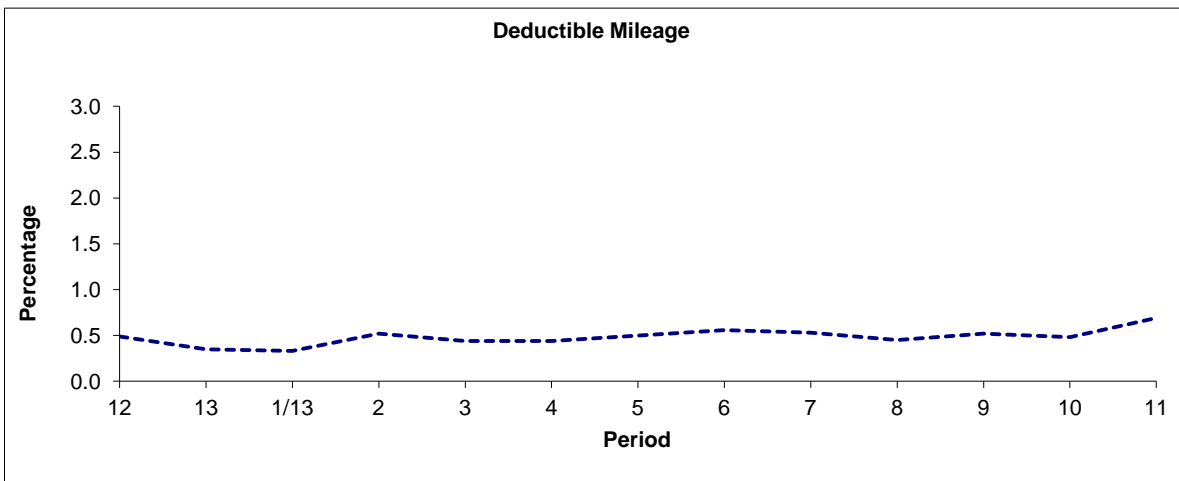
Time Period	Expected Buses	On AVL (%)	Scheduled Waiting Time (SWT) (mins)	Excess Waiting Time (EWT) (mins)	Actual Waiting Time (AWT) (mins)	Probability of Waiting < 10 mins (%)	Probability of Waiting 10-20 mins (%)	Probability of Waiting 20-30 mins (%)	Probability of Waiting > 30 mins (%)	Long Gaps (%)	Maximum Gap (mins)
0500 - 0700	18,805.	97.8	7.05	0.49	7.54	74.6	23.7	1.6	0.1	0.3	46
0700 - 1000	45,206.	100.6	6.14	0.82	6.96	75.5	22.5	1.7	0.2	0.6	50
1000 - 1300	46,538.	98.0	6.07	0.77	6.84	75.3	23.2	1.4	0.1	0.5	45
1300 - 1600	46,221.	98.5	6.11	1.12	7.23	73.0	24.2	2.5	0.3	1.0	59
1600 - 1900	45,892.	98.1	6.08	1.28	7.36	72.4	24.6	2.6	0.4	1.2	62
1900 - 2200	40,477.	99.2	6.65	1.01	7.66	68.7	28.3	2.6	0.4	0.9	66
2200 - 2400	25,587.	100.0	7.35	0.79	8.14	65.7	31.8	2.3	0.2	0.2	45
Summary	268,726.	98.9	6.24	1.00	7.24	72.9	24.6	2.2	0.3	0.8	66

PART B - PERFORMANCE STATISTICS

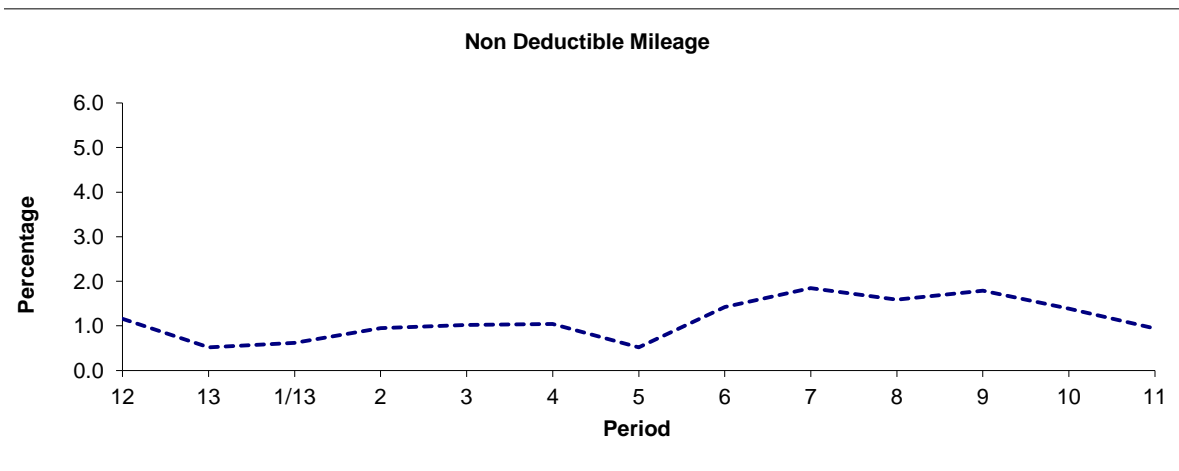
Route 282



Period	12	13	1/13	2	3	4	5	6	7	8	9	10	11
2012/2013	98.35	99.13	99.05	98.53	98.54	98.52	98.98	98.02	97.62	97.96	97.69	98.13	98.37
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00



Period	12	13	1/13	2	3	4	5	6	7	8	9	10	11
2012/2013	0.49	0.35	0.33	0.52	0.44	0.44	0.50	0.56	0.53	0.45	0.52	0.48	0.69

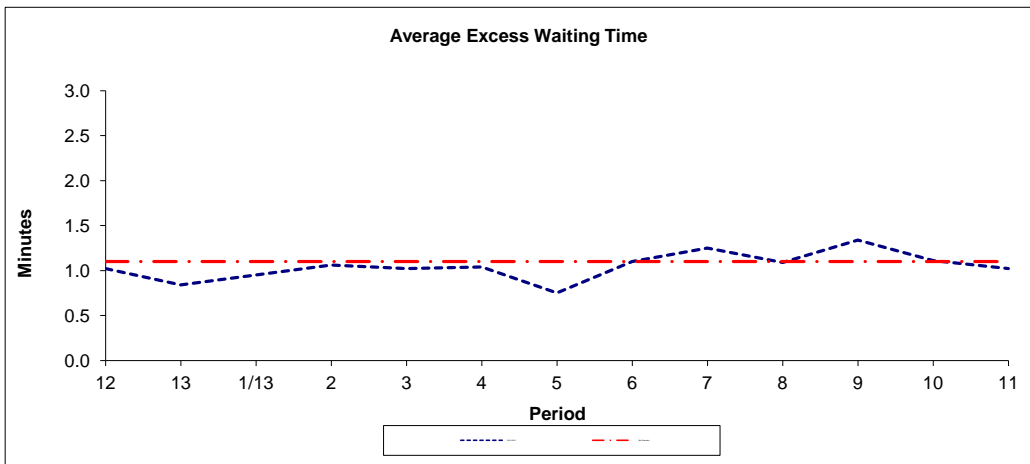


Period	12	13	1/13	2	3	4	5	6	7	8	9	10	11
2012/2013	1.16	0.52	0.62	0.95	1.02	1.04	0.52	1.42	1.85	1.59	1.79	1.39	0.94

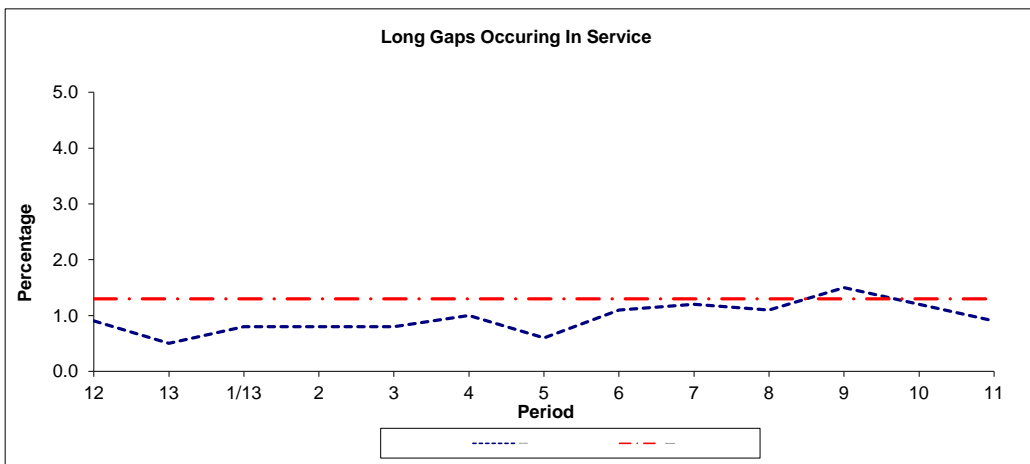
Note : Mileage is based on 4 weeks data

PART B - PERFORMANCE STATISTICS

Route 282



Period	12	13	1/13	2	3	4	5	6	7	8	9	10	11
2012-2013	1.02	0.84	0.95	1.06	1.02	1.04	0.75	1.10	1.25	1.09	1.34	1.11	1.02
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	12	13	1/13	2	3	4	5	6	7	8	9	10	11
2012-2013	0.9	0.5	0.8	0.8	0.8	1.0	0.6	1.1	1.2	1.1	1.5	1.2	0.9
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.

Transport for London - Live Mileage List

Route 282
 Service change 23589
 Date 2 April 2012

Reason for
 Re-issue

TRANCHE 472

Re-issuing at Mount Vernon Hospital

QSI Points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
EALGHPRS	EALGHPRS	Ealing Hospital Grounds, Stand R		
EALGHPR	C25	Ealing Hospital	0	0.00
	3179	St Bernard's Gatehouse / Windmill Park	320	0.20
	34280	Iron Bridge	703	0.44
	BP2547	West Middlesex Golf Course	608	0.38
	20638	Golf Links Estate	347	0.22
	17107	Windmill Lane	331	0.21
G GR	17109	Greenford Depot	514	0.32
GNFDBY	2032	Greenford Broadway	491	0.31
	15299	Pembroke Road	390	0.24
	15792	Beechwood Avenue	429	0.27
RSRDFM	15790	Greenford Sports Centre	440	0.27
	15788	Adrienne Avenue	203	0.13
	20495	Broadmead Road	496	0.31
	14890	Wayfarer Road	468	0.29
YEADWH	33016	Yeading / White Hart	683	0.42
	16149	Bengarth Road / Northolt Library	306	0.19
	37429	Sycamore Close	335	0.21
	16147	Target Roundabout	279	0.17
	37195	Kingston Close	327	0.20
	16145	Alderney Gardens	210	0.13
	37262	Moat Farm Road	240	0.15
NTHTSN	14908	Northolt Station	256	0.16
	33635	Northolt Swimming Pool	342	0.21
	33021	Northolt High School	402	0.25
	33023	Sandown Way	273	0.17
	33025	Somervell Road	399	0.25
ECOLEA	33027	Eastcote Lane	251	0.16
	20535	Victoria Road	179	0.11
	20533	Long Drive	401	0.25
	20531	The Fairway	350	0.22
	20529	Whitby Road	515	0.32
	20527	Ferncroft Avenue	481	0.30
ECOTSN	20525	Eastcote Station	407	0.25
	20213	Morford Way	188	0.12
	20215	Meadow Way	322	0.20
	16434	Bridle Road	464	0.29
	20218	Eastcote Road	408	0.25
	20221	The Woodman	402	0.25
	27734	Haydon Drive	333	0.21
	20222	Middleton Drive	276	0.17
NTWHSN	20228	Colchester Road	437	0.27
	20226	Northwood Hills Circus	587	0.36
	19600	Northwood Health Centre	152	0.09
	3400	Northwood Iron Bridge	294	0.18
	BP4163	Hallowell Road	175	0.11
	17199	Emmanuel Church	302	0.19
	20107	Church Road	325	0.20
NWSNGL	14854	Northwood Station	520	0.32
	22294	Dene Road	283	0.18
	BP2684	The Glen	275	0.17
	22295	Myrtle Side Close	154	0.10
	8402	Holy Trinity School	489	0.30
MNTVHM	28985	Mount Vernon Hospital	519	0.32
MNTVHM S	MNTVHM S	Mount Vernon Hospital, Main Entrance	0	0.00

TOTAL ROUTE MILEAGE - OUT DIRECTION 19281 metres 11.98 miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
MNTVHM S	MNTVHM S	Mount Vernon Hospital, Main Entrance		
MNTVHM	BP984	Mount Vernon Hospital	0	0.00
	10258	Thirlmere Gardens	244	0.15
	4571	Holy Trinity School	351	0.22
	4573	The Avenue	328	0.20
	BP2683	The Glen	396	0.25
	22293	Dene Road	172	0.11
NWSNGL	14855	Northwood Station	306	0.19
	17202	Church Road	589	0.37
	17200	Emmanuel Church	234	0.15
	4570	Hallowell Road	372	0.23
	19599	Northwood Health Centre	429	0.27
	20227	Northwood Hills Circus	372	0.23
NTWHSN	20225	Northwood Hills Station	188	0.12
	20229	Norwich Road	488	0.30
	20223	Middleton Drive	133	0.08
	27335	Haydon Drive	369	0.23
	20220	The Woodman	262	0.16
	20219	Eastcote High Road	332	0.21
	BP3769	Eastcote Methodist Church	282	0.18
	20217	Bridle Road	350	0.22
	20216	Meadow Way	382	0.24
	29837	Morford Way	224	0.14
ECOTSN	20214	Eastcote Station	191	0.12
	20528	Ferncroft Avenue	511	0.32
	20530	Whitby Road	401	0.25
	20532	The Fairway	625	0.39
	20534	Malvern Avenue	327	0.20
	20536	Victoria Road	345	0.21
ECOLEA	33028	Eastcote Lane	206	0.13
	33026	Somervell Road	289	0.18
	33024	Sandown Way	353	0.22
	33022	Northolt High School	327	0.20
	33634	Northolt Swimming Pool	409	0.25
NTHTSN	18221	Northolt Station	218	0.14
	16142	Moat Farm Road	298	0.19
	16144	Kingston Close	399	0.25
	16146	Sycamore Close	701	0.44
	16148	Bengarth Road / Northolt Library	192	0.12
YEADWH	37263	Yeading / White Hart	478	0.30
	15785	Church Road	251	0.16
	14889	Wayfarer Road	364	0.23
	20494	Broadmead Road	462	0.29
	15787	Adrienne Avenue	376	0.23
RSRDFM	15789	Greenford High School	356	0.22
	15791	Eastmead Avenue	424	0.26
	15300	Pembroke Road	341	0.21
GNFDBY	2031	Greenford Broadway	380	0.24
	35800	Cardinal Wiseman High School	327	0.20
G GR	17108	Greenford Depot	217	0.13
	BP4277	Greenford Park	280	0.17
	17106	Windmill Lane	289	0.18
	20639	Golf Links Estate	282	0.18
	BP2548	West Middlesex Golf Course	350	0.22
	17104	Iron Bridge / Uxbridge Road	339	0.21
	3083	St Bernard's Gatehouse / Windmill Park	510	0.32
EALGHPR	C25	Ealing Hospital	434	0.27
	EALGHPRS	Ealing Hospital Grounds, Stand R	0	0.00

TOTAL ROUTE MILEAGE - BACK DIRECTION 19055 metres 11.84 miles