7. Service Specification

Route: E9 Contract Reference: QC51906

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	E9
Terminus Points	Yeading, Barnhill Estate and Ealing Broadway, Haven
	Green
Contract Basis	Incentivised
Commencement Date	28 th May 2016
Vehicle Type	87 capacity, dual door, double deck buses
Current Maximum Approved	10.2 metres long and 2.4 metres wide
Dimensions	
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard	Average Excess Wait Time - No more than 0.90
	minutes
Extension Threshold	Average Excess Wait Time Threshold – 0.85 minutes
Minimum Operated Mileage	No less than 98%
Standard	

The Date of Tender for this ITT is: No later than 12 Noon on Monday 29th June 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. E9.

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:

 87 capacity, dual door, single deck buses of a minimum of 10.2 metres long buses will be specified, subject to a satisfactory route test.

Hail & Ride Operation Sections:

Hail and ride operation, with buses stopping wherever it is safe to set down and pick up passengers, applies on the following sections of Route No. E9:

Towards Ealing Broadway, Haven Green:

Ayles Road

Towards Yeading, Barnhill Estate:

Ayles Road

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.

Cash Free Boarding was extended throughout London from 6th July 2014. Submitted tender prices should fully reflect the cost saving accrued from this change. Tenderers should also indicate the approximate additional cost if cash fares were still to be accepted.

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

			· ·					
Yeading, Barnh	nill Estate to Eal	ling	Ealing Broadwa	y, Haven Gree	n to			
Broadway, Hav	en Green		Yeading, Barnhill Estate					
First departure	no later than C)450.	First departure no later than 0530.					
0445 - 0605	Every 15 minu	utes	0525 - 0630	Every 15 min	utes			
0606 - 1920	Every 12 minu	utes	0631 - 1955	Every 12 min	utes			
1921 - 2020	Every 15 mini	utes	1956 - 2040	Every 15 minutes				
2021 - 0025	Every 20 mini	utes	2041 - 0045	1 - 0045 Every 20 minutes				
Last departure	no earlier than	0020.	Last departure	no earlier than	0040.			
Pinchpoints								
Ruislip Road	0700 - 0800	12 minutes	Yeading,	0730 - 0830	12 minutes			
East, Argyle	1530 - 1630	12 minutes	White Hart	1530 - 1630	12 minutes			
Road								

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Yeading, Barnh	nill Estate to Ea	ling	Ealing Broadwa	ay, Haven Gree	n to			
Broadway, Hav	en Green	_	Yeading, Barnhill Estate					
First departure	no later than C)450.	First departure no later than 0530.					
0445 - 0550	Every 30 minu	utes	0525 - 0600	Every 30 min	utes			
0551 - 0630	Every 20 mini	utes	0601 - 0620	Every 20 min	utes			
0631 - 0745	Every 15 minu	utes	0621 - 0750	Every 15 min	utes			
0746 - 1750	Every 12 minu	utes	0751 - 1745	Every 12 minutes				
1751 - 1920	Every 15 minu	utes	1746 - 1900	Every 15 min	utes			
1921 - 0025	Every 20 mini	utes	1901 - 0045	Every 20 min	utes			
Last departure	no earlier than	0020.	Last departure	no earlier than	0040.			
Pinchpoints								
Ruislip Road	0930 - 1130	12 minutes	Yeading,	0930 - 1130	12 minutes			
East, Argyle			White Hart					
Road								

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

Yeading, Barnh	nill Estate to Ea	ling	Ealing Broadway, Haven Green to				
Broadway, Hav	en Green	_	Yeading, Barnhill Estate				
First departure	no later than 0	450.	First departure no later than 0530.				
0445 - 0820	Every 30 mini	utes	0525 - 0900	Every 30 minutes			
0821 - 0025	Every 20 minu	utes	0901 - 0045	Every 20 minu	utes		
Last departure	no earlier than	0020.	Last departure no earlier than 0040.				
Pinchpoints							
Ruislip Road	1000 - 1200	12 minutes	Yeading,	1000 - 1200	12 minutes		
East, Argyle			White Hart				
Road							

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. E9 should interwork, where possible, with Route No. E7 between Yeading, White Hart and Ruislip Road East, Argyle Road.
- 4.2) Route No. E9 can suffer from unpredictable traffic delays in the Ealing 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.

Printed On: 14 May 2015 10:46:03

LONDON BUSES - ROUTE DESCRIPTION

ROUTE E9: Yeading, Barnhill Estate - Ealing Broadway, Haven Green

Date of Structural Change: 28 May 2016. **Date of Service Change:** 28 May 2016.

Reason for Issue: New tender.

STREETS TRAVERSED

<u>Towards Ealing Broadway, Haven Green:</u> Welbeck Avenue, Greenway, Ayles Road, Kingshill Avenue, Yeading Lane, White Hart Roundabout, Ruislip Road, The Broadway, Ruislip Road East, Argyle Road, Scotch Common, Pitshanger Lane, Woodfield Road, Eaton Rise, Castlebar Road, Haven Green (North Side), Haven Green (East Side).

<u>Towards Yeading, Barnhill Estate:</u> Haven Green (Diagonal), Castlebar Road, Eaton Rise, Woodfield Road, Pitshanger Lane, Scotch Common, Argyle Road, Ruislip Road East, The Broadway, Ruislip Road, White Hart Roundabout, Yeading Lane, Kingshill Avenue, Ayles Road, Greenway, Chatsworth Road, Stratford Road, Welbeck Avenue.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

BARNHILL ESTATE, WELLBECK AVENUE

Public stand for one bus on east side of Welbeck Avenue, commencing outside Barnhill Baptist Church 13 metres north of Sherwood Avenue.

Buses proceed from Welbeck Avenue direct to stand, departing to Welbeck Avenue. Set down in Welbeck Avenue (BP1636 - Welbeck Avenue, Last Stop on LOR: BP1636 - Welbeck Avenue) and pick up in Welbeck Avenue (BP1636 - Welbeck Avenue, First Stop on LOR: BP1636 - Welbeck Avenue).

AVAILABILITY: At any time.

OPERATING RESTRICTIONS: No more than 1 bus on Route E9 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: Yeading, Barnhill Estate.

OTHER INFORMATION: No toilet facilities currently available.

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 Broadway, Haven Green.

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 Yeading, Barnhill Estate.

Buses proceed from Yeading Lane via White Hart Roundabout, Ruislip Road and Old Ruislip Road to stand, departing via Old Ruislip Road, Ruislip Road and White Hart Roundabout to Yeading Lane. Set down in Yeading Lane, at Stop N (14723 - Tangmere Gardens, Last Stop on LOR: 14723 - Tangmere Gardens) and pick up in Yeading Lane, at Stop L (14724 - Dilston Close, First Stop on LOR: 14724 - Dilston Close).

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.

GREENFORD, RED LION

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.

From Ealing Broadway, Haven Green.

Buses proceed from Ruislip Road East via Greenford Road, Otter Road and Windmill Lane to stand, departing via Windmill Lane and The Broadway to Ruislip Road East. Set down in Ruislip Road East, at Stop M (BP095 - Clifton Road, Last Stop on LOR: BP095 - Clifton Road) and pick up in Ruislip Road East, at Stop L (33862 - Clifton Road, First Stop on LOR: 33862 - Clifton Road).

From Yeading, Barnhill Estate.

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: Stand 2 is for use only if stand 1 is full. Engines must be

switched off on stand.

EALING BROADWAY, HAVEN GREEN, STAND X2

Public stand for 1 bus at Alighting Point X2 on east side of Haven Green outside No. 38 The Parade.

Buses proceed from Haven Green (East Side) direct to stand, departing via Haven Green (East Side) to Haven Green (Diagonal). Set down in Haven Green (east Side), at Alighting Point X2 (R0747 - Ealing Broadway Station <> #, Last Stop on LOR: R0747 - Ealing Broadway Station <> #) and pick up in Haven Green (diagonal), at Stop E (CW25 - Haven Green / Ealing Broadway Station <> #, First Stop on LOR: CW25 - Haven Green / Ealing Broadway Station <> #).

AVAILABILITY: At any time.

OPERATING RESTRICTIONS: No more than 1 bus on Route E9 should be scheduled to

stand at any one time.

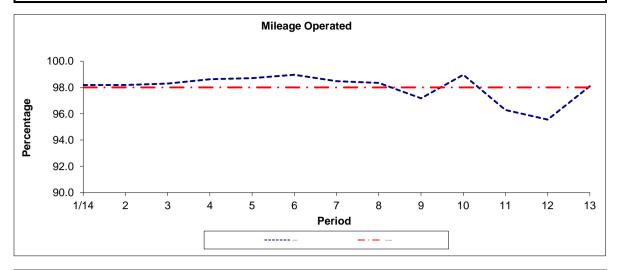
MEAL RELIEFS: No meal relief vehicles to stand at any time. FERRY VEHICLES: No ferry vehicles to park on stand at any time.

BLIND DISPLAY: Ealing Broadway.

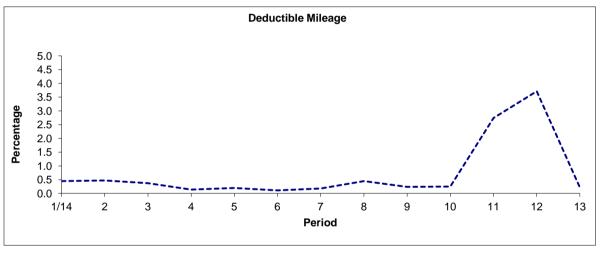
OTHER INFORMATION: LUL toilet facilities available 0600-2200 daily.

PART B - PERFORMANCE STATISTICS

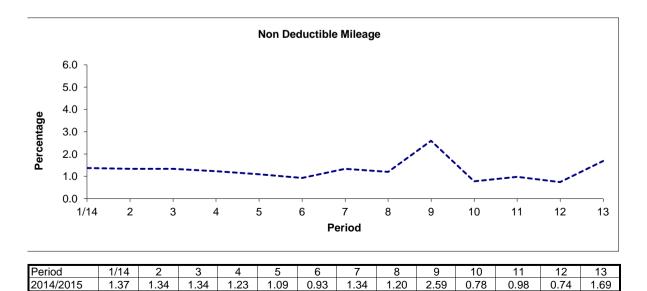
Route E9



Period	1/14	2	3	4	5	6	7	8	9	10	11	12	13
2014/2015	98.18	98.19	98.29	98.63	98.71	98.96	98.48	98.35	97.17	98.97	96.28	95.55	98.10
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



Period	1/14	2	3	4	5	6	7	8	9	10	11	12	13
2014/2015	0.45	0.47	0.37	0.14	0.20	0.11	0.18	0.45	0.24	0.25	2.74	3.71	0.21

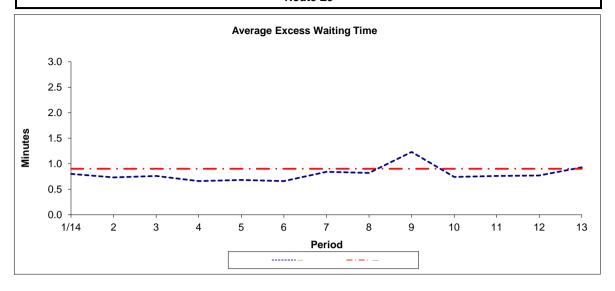


Note: Mileage is based on 4 weeks data

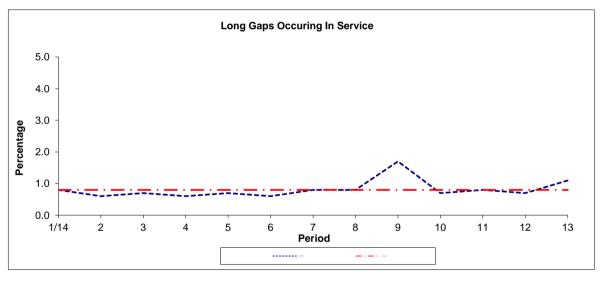
Deductible mileage performance adversely affected by industrial action by drivers in periods 11 and 12.



Route E9



Period	1/14	2	3	4	5	6	7	8	9	10	11	12	13
2014/2015	0.80	0.73	0.76	0.66	0.68	0.66	0.84	0.82	1.23	0.74	0.76	0.77	0.93
Min Standard	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90



Period	1/14	2	3	4	5	6	7	8	9	10	11	12	13
2014/2015	8.0	0.6	0.7	0.6	0.7	0.6	0.8	0.8	1.7	0.7	0.8	0.7	1.1
Benchmark	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Note: Reliability is actual performance under full iBus (4 weeks data).

Minimum Standards and Benchmarks are those applicable under the new contract.

ROUTE E9 - FULL IBUS RESULTS BY TIME OF DAY QUARTERS 1 TO 4 14/15 (01/04/14 - 31/03/15)

MONDAY - FRIDAY

Time Period	Expected Buses	On AVL (%)		Excess Waiting Time (EWT) (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	23,139.	96.4	6.86	0.54	7.40	75.1	24.0	0.8	0.1	0.3	47
0700 - 1000	47,942.	98.5	5.88	0.94	6.83	76.2	21.6	1.8	0.4	1.1	54
1000 - 1300	47,532.	98.2	5.95	0.61	6.57	78.5	20.8	0.6	0.1	0.3	60
1300 - 1600	47,254.	98.6	6.03	0.66	6.68	76.9	21.9	1.0	0.2	0.5	64
1600 - 1900	47,835.	95.8	5.91	1.30	7.21	73.6	23.3	2.6	0.6	1.7	58
1900 - 2200	36,701.	101.4	7.38	0.79	8.17	64.6	31.4	3.5	0.5	0.8	79
2200 - 2400	18,483.	100.7	10.00	0.23	10.23	50.1	44.1	5.5	0.2	0.0	83
Summary	268,886.	98.4	6.30	0.86	7.16	73.6	24.1	2.0	0.4	0.9	83

SATURDAY

Time Period	Expected Buses	On AVL (%)		Excess Waiting Time (EWT) (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	2,977.	99.7	12.47	0.31	12.77	54.6	34.6	9.7	1.2	3.2	61
0700 - 1000	9,574.	99.4	6.26	0.31	6.57	78.5	21.1	0.4	0.0	0.1	36
1000 - 1300	10,005.	98.1	6.00	0.58	6.58	77.9	21.4	0.6	0.1	0.3	45
1300 - 1600	9,915.	95.8	6.00	1.25	7.25	73.7	23.1	2.7	0.6	1.7	53
1600 - 1900	9,209.	98.6	6.29	0.85	7.13	72.8	25.3	1.5	0.4	0.8	59
1900 - 2200	5,931.	101.0	9.41	0.45	9.86	52.6	40.9	5.8	0.8	0.2	75
2200 - 2400	3,792.	100.4	10.00	0.21	10.21	50.1	44.8	4.9	0.2	0.0	43
Summary	51,403.	98.6	6.82	0.74	7.56	71.1	26.2	2.3	0.4	0.8	75

SUNDAY AND BANK HOLIDAYS

	Expected		Scheduled Waiting Time	Excess Waiting Time	Actual Waiting Time	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
Time Period	Buses	On AVL (%)		(EWT) (mins)		(%)	(%)	(%)	(%)	(%)	(mins)
0500 - 0700	2,442.	99.3	14.91	0.17	15.08	39.8	29.7	26.9	3.6	3.3	61
0700 - 1000	5,107.	102.1	13.03	0.09	13.12	42.7	39.1	16.4	1.8	0.0	61
1000 - 1300	6,531.	98.6	9.88	0.48	10.36	49.9	42.6	7.0	0.4	0.1	97
1300 - 1600	6,567.	99.3	9.89	0.70	10.58	50.0	40.8	7.9	1.3	0.3	69
1600 - 1900	6,728.	97.7	9.79	0.57	10.36	50.5	43.1	5.7	0.7	0.2	65
1900 - 2200	6,503.	100.8	9.99	0.16	10.15	50.2	44.0	5.6	0.2	0.0	42
2200 - 2400	4,350.	101.3	10.00	0.10	10.10	50.4	45.1	4.5	0.0	0.0	41
Summary	38,228.	99.7	10.28	0.44	10.72	49.3	42.1	7.8	0.8	0.2	97

ALL DAYS

Time Period	Expected Buses	On AVL (%)		Excess Waiting Time (EWT) (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	28,558.	97.0	7.95	0.49	8.44	70.8	25.5	3.3	0.4	0.8	61
0700 - 1000	62,623.	98.9	6.26	0.85	7.10	74.8	22.4	2.3	0.5	1.0	61
1000 - 1300	64,068.	98.2	6.39	0.59	6.99	75.2	23.3	1.3	0.1	0.3	97
1300 - 1600	63,736.	98.3	6.41	0.75	7.16	73.7	24.0	2.0	0.3	0.6	69
1600 - 1900	63,772.	96.4	6.32	1.18	7.50	71.3	25.3	2.8	0.6	1.5	65
1900 - 2200	49,135.	101.3	7.91	0.68	8.59	61.6	33.9	4.0	0.5	0.6	79
2200 - 2400	26,625.	100.8	10.00	0.21	10.21	50.2	44.3	5.3	0.2	0.0	83
Summary	358,517.	98.5	6.74	0.80	7.54	71.1	26.0	2.5	0.4	0.8	97

Transport for London - QSI Points and Live Mileage List

Route E9 19540 Service change

25 November 2009 Date

QSI Points are highlighted.

		OUT DIRECTION		
Fiming Point Code	Stop Number	Stop Name	Metres	Miles
0000	•	RNHILL ESTATE, WELLBECK AVENUI		WIIIOO
BARNWA	BP1636	Welbeck Avenue	- 0	0.00
Druutti.	H0828	Bevin Road	335	0.21
YEADAR	H0827	Morrison Close	156	0.10
	HC49	Hail & Ride Section	165	0.10
	17221	Gurney Road	192	0.12
	16151	Kingshill Avenue	499	0.31
YEADWH	14723	Tangmere Gardens	365	0.23
	15785	Church Road	339	0.21
	14889	Wayfarer Road	386	0.24
	20494	Broadmead Road	440	0.27
	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
GNFDRL	33862	Clifton Road	247	0.15
	17025	Greenford Avenue	619	0.38
	17026	Cuckoo Avenue	232	0.14
	25078	Gurnell Leisure Centre	508	0.32
RSREAR	15678	Ruislip Road East	416	0.26
	15681	Scotch Common	381	0.24
	20387	Kent Gardens	373	0.23
PHLNQW	20385	Pitshanger Library	385	0.24
	20383	St Barnabas Church	327	0.20
	20380	Fairlea Place	372	0.23
	10580	Montpelier Road	317	0.20
	15689	Marchwood Crescent	146	0.09
	15691	Castlebar Road	389	0.24
EALBHX2	R0747	Ealing Broadway Station	454	0.28
	EALBHX2S a	lling Broadway, Haven Green, Stand >	0	0.00
			9920	6.16
TO	metres	miles		

BACK DIRECTION							
Timing Point							
Code	Stop Number	Stop Name	Metres	Miles			
EALBHX2S	EALBHX2S	Ealing Broadway, Haven Green, Stand X2					
EALBHGE	CW25	Haven Green/Ealing Broadway Stn	0	0.00			
	15690	Castlebar Road	283	0.18			
	15688	Marchwood Crescent	369	0.23			
	20379	Montpelier Road	216	0.13			
	20381	Fairlea Place	317	0.20			
	20382	St Barnabas Church	178	0.11			
PHLNQW	20384	Pitshanger Library	417	0.26			
	20386	Kent Gardens	288	0.18			
	20388	Scotch Common	552	0.34			
RSREAR	15679	Ruislip Road East	271	0.17			
	25079	Gurnell Leisure Centre	568	0.35			
	17027	Cuckoo Avenue	321	0.20			
	17024	Greenford Avenue	272	0.17			
GNFDRL	BP095	Clifton Road	679	0.42			
GNFDBY	2032	Greenford Broadway	257	0.16			
	15299	Pembroke Road	390	0.24			
	15792	Beechwood Avenue	429	0.27			
RSRDFM	15790	Greenford Sports Centre	409	0.25			
	15788	Adrienne Avenue	234	0.15			
	20495	Broadmead Road	496	0.31			

Wayfarer Road

Hughenden Gardens

Gurney Road

Ayles Road Greenway

Chatsworth Road

Hail & Ride Section

Welbeck Avenue

BARNWA S BARNHILL ESTATE, WELLBECK AVENUE

14890

14724 17219

17220

H0826

H0825

HC50

BP1636

BARNWA

TRANCHE 519

TOTAL ROUTE MILEAGE - BACK DIRECTION	10208	6.34
TOTAL ROOTE MILLAGE - BACK BIRLOTON	metres	miles

468

320

421

313

441

92

231

0

0.29

0.20

0.26

0.19

0.27

0.06

0.14

0.00