

## 7. Service Specification

Route: 371

Contract Reference: QC52506

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.

<b>Terminus Points</b>	Kingston, Kingston Hall Road and Richmond, Manor Road, Sainsburys
<b>Contract Basis</b>	Incentivised
<b>Commencement Date</b>	2 <sup>nd</sup> July 2016
<b>Vehicle Type</b>	60 capacity, dual door, single deck, minimum 10.8m long
<b>Vehicle Type (Schooldays Journeys)</b>	87 capacity, dual door, double deck buses
<b>Current Maximum Approved Dimensions</b>	10.6 metres long and 2.55 metres wide
<b>New Vehicles Mandatory</b>	Yes
<b>Hybrid Price Required</b>	Yes
<b>Sponsored Route</b>	No
<b>Advertising Rights</b>	Operator
<b>Minimum Performance Standard</b>	Average Excess Wait Time - No more than 0.90 minutes
<b>Extension Threshold</b>	Average Excess Wait Time Threshold - 0.85minutes
<b>Minimum Operated Mileage Standard</b>	No less than 98.00%

The Date of Tender for this ITT is:

No later than 12 Noon on Monday 3<sup>rd</sup> 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, 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. 371.

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. 371.

### **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

Kingston, Kingston Hall Road to Richmond, Sainsbury's, Manor Road		Richmond, Sainsbury's, Manor Road to Kingston, Kingston Hall Road	
First departure no later than 0515.		First departure no later than 0525.	
0510 - 0615	Every 15 minutes	0520 - 0610	Every 15 minutes
0616 - 0655	Every 10 minutes	0611 - 0650	Every 10 minutes
0656 – 1905*	Every 8-9 minutes (7 buses per hour)	0651 – 1900**	Every 8-9 minutes (7 buses per hour)
1906 - 2015	Every 10 minutes	1901 - 2000	Every 10 minutes
2016 - 0105	Every 15 minutes	2001 - 0105	Every 15 minutes
Last departure no earlier than 0100.		Last departure no earlier than 0100.	
<b>Pinchpoints</b>			
Petersham, Dysart Arms	0715 - 0915 1530 - 1630	9 minutes 9 minutes	Ham, Tudor Drive
			0710 - 0905 1505 - 1635
			9 minutes 9 minutes

\* Ex Kingston, Kingston Hall Road, the departure at approximately 0747 should operate with an 87 capacity, dual door, double deck bus.

\*\* Ex Richmond, Sainsbury's, Manor Road, the departure at approximately 1446 should operate with an 87 capacity, dual door, double deck bus.

#### 3.2) MONDAY TO FRIDAY SCHOOLDAYS SCHEDULE REQUIREMENTS

Ham, Ashburnham Road, Grey Court School to Richmond, Sainsbury's, Manor Road		Richmond, Sainsbury's, Manor Road to Ham, Ashburnham Road, Grey Court School	
1507^	One journey	0752^	One journey

^ 87 capacity, dual door, double deck buses are specified to operate these journeys.

The journeys shown in Section 3.2 are specifically designed to meet the start and finish times of Grey Court School in the Richmond area.

### 3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

#### 3.3) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Kingston, Kingston Hall Road to Richmond, Sainsbury's, Manor Road		Richmond, Sainsbury's, Manor Road to Kingston, Kingston Hall Road			
First departure no later than 0515.		First departure no later than 0525.			
0510 - 0615	Every 20 minutes	0520 - 0610	Every 20 minutes		
0616 - 0755	Every 15 minutes	0611 - 0755	Every 15 minutes		
0756 - 0855	Every 10 minutes	0756 - 0855	Every 10 minutes		
0856 - 1805	Every 8-9 minutes (7 buses per hour)	0856 - 1805	Every 8-9 minutes (7 buses per hour)		
1806 - 1915	Every 12 minutes	1806 - 1915	Every 12 minutes		
1916 - 0105	Every 15 minutes	1916 - 0105	Every 15 minutes		
Last departure no earlier than 0100.		Last departure no earlier than 0100.			
<b>Pinchpoints</b>					
Petersham, Dysart Arms	0925 - 1125	9 minutes	Ham, Tudor Drive	0920 - 1120	9 minutes

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

Kingston, Kingston Hall Road to Richmond, Sainsbury's, Manor Road		Richmond, Sainsbury's, Manor Road to Kingston, Kingston Hall Road			
First departure no later than 0625.		First departure no later than 0625.			
0620 - 0945	Every 20 minutes	0620 - 0925	Every 20 minutes		
0946 - 1000	Every 15 minutes	0926 - 0955	Every 15 minutes		
1001 - 1800	Every 12 minutes	0956 - 1815	Every 12 minutes		
1801 - 0105	Every 15 minutes	1816 - 0105	Every 15 minutes		
Last departure no earlier than 0100.		Last departure no earlier than 0100.			
<b>Pinchpoints</b>					
Petersham, Dysart Arms	1020 - 1220	12 minutes	Ham, Tudor Drive	1015 - 1215	12 minutes

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

### 4) OPERATIONAL CONSIDERATIONS

4.1) Route No. 371 can suffer from unpredictable delays in the Kingston 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 371: Kingston Hall Road - Richmond, Manor Road, Sainsburys**

**Date of Structural Change:** 2 July 2016.

**Date of Service Change:** 2 July 2016.

**Reason for Issue:** New tender.

#### **STREETS TRAVERSED**

**Towards Richmond, Manor Road, Sainsburys:** Kingston Hall Road, Kingston High Street, Eden Street, Clarence Street, Cromwell Road, Queen Elizabeth Road, London Road, Park Road, Tudor Drive, Dukes Avenue, Broughton Avenue, Ashburnham Road, Ham Street, Sandy Lane, Petersham Road, Star And Garter Hill, Queen's Road, Marchmont Road, Kings Road, Mount Ararat Road, Church Road, Sheen Road, The Square, Eton Street, Paradise Road, Church Terrace, Wakefield Road, Lewis Road, Red Lion Street, Hill Street, George Street, The Square, The Quadrant, Kew Road, Richmond Circus, Lower Mortlake Road, Manor Circus, Manor Road, Sainsbury's Access Road.

**Towards Kingston Hall Road:** Sainsbury's Access Road, Manor Road, Manor Circus, Lower Mortlake Road, Richmond Circus, Kew Road, The Quadrant, The Square, Sheen Road, Church Road, Mount Ararat Road, Kings Road, Marchmont Road, Queen's Road, Star And Garter Hill, Petersham Road, Sandy Lane, Ham Street, Ashburnham Road, Broughton Avenue, Dukes Avenue, Tudor Drive, Park Road, London Road, Fairfield North, Wheatfield Way, Clarence Street, Eden Street, Kingston High Street, Kingston Hall Road.

## **AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS**

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

### **KINGSTON, KINGSTON HALL ROAD**

Public stand for six buses on north side of Kingston Hall Road commencing 4 metres west of a point opposite alley leading to Kent Road and extending 66 metres west.

Buses proceed from Kingston Hall Road direct to stand, departing via Kingston Hall Road and College Roundabout to Kingston Hall Road. Set down in Kingston Hall Road, at Alighting Point (BP1685 - Kingston Hall Road, Last Stop on LOR: BP1685 - Kingston Hall Road) and pick up in Kingston Hall Road, at Stop UK (BP1646 - Kingston Hall Road, First Stop on LOR: BP1646 - Kingston Hall Road).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 371 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:	Kingston.

### **HAM, DUKES AVENUE**

Public stand for two buses on north side of Dukes Avenue, commencing at lamp standard No 5 extending 20 metres west.

#### **From Kingston Hall Road.**

Buses proceed from Dukes Avenue via Dysart Avenue, Lammas Road, Beaufort Road, Riverside Drive and Dukes Avenue to stand, departing to Dukes Avenue. Set down in Dukes Avenue, at Stop V (33735 - Dysart Avenue, Last Stop on LOR: R0167 - Richmond Road) and pick up in Dukes Avenue, at Stop P (33736 - Dysart Avenue, First Stop on LOR: 33736 - Dysart Avenue).

#### **From Richmond, Manor Road, Sainsburys.**

Buses proceed from Dukes Avenue direct to stand, departing via Dukes Avenue, Dysart Avenue, Lammas Road, Beaufort Road and Riverside Drive to Broughton Avenue. Set down in Dukes Avenue, at Stop P (33736 - Dysart Avenue, Last Stop on LOR: 33736 - Dysart Avenue) and pick up in Broughton Avenue, at Stop W (33734 - Lock Road, First Stop on LOR: 33734 - Lock Road).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Ham.

### **RICHMOND HILL (from Kingston Hall Road)**

Public stand for two buses in layby on west side of Queen's Road, adjacent to Black Horse public house. Commencing at entrance to Marshgate Primary School extending 22 metres south.

Buses proceed from Queen's Road via Bus Turning Circle to stand, departing via Bus Turning Circle to Queen's Road. Set down in Queen's Road (35886 - Park Road, Last Stop on LOR: 35886 - Park Road) and pick up in Queen's Road (BP2385 - Park Road, First Stop on LOR: BP2385 - Park Road).

AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: Unscheduled curtailments only  
MEAL RELIEFS: No meal relief vehicles to stand at any time.  
FERRY VEHICLES: No ferry vehicles to park on stand at any time.  
BLIND DISPLAY: Richmond Hill.

### **RICHMOND STATION (from Kingston Hall Road)**

Buses proceed from The Quadrant via Kew Road and Richmond Circus departing to Kew Road. Set down in The Quadrant, at Stop C (16350 - Richmond Station # <>, Last Stop on LOR: 16350 - Richmond Station # <>) and pick up in Kew Road, at Stop D (20703 - Richmond Station <> #, First Stop on LOR: 20703 - Richmond Station <> #).

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

### **RICHMOND, MANOR ROAD, SAINSBURYS**

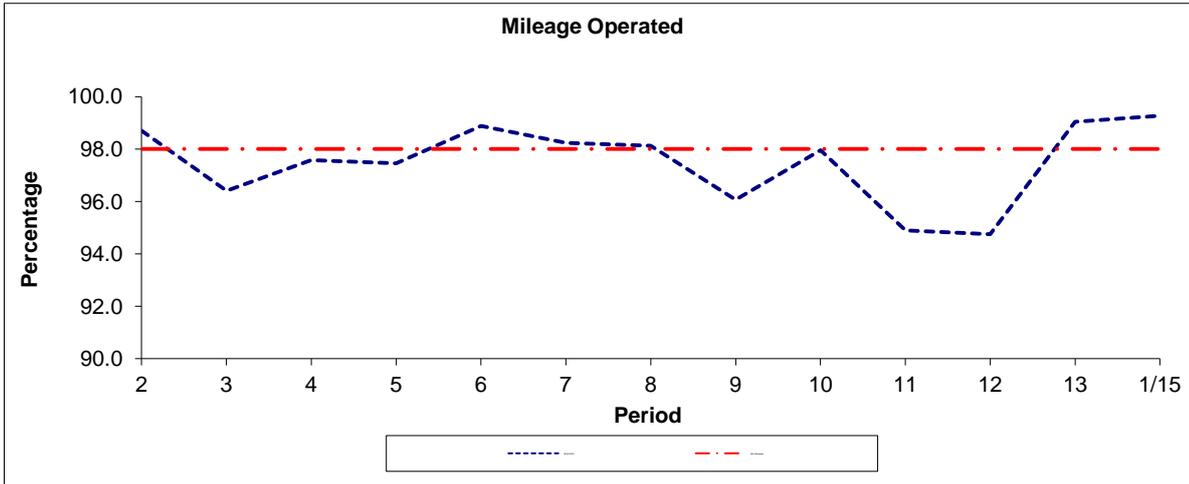
Private stand for one bus on island on east side of car park access road within ground of Sainsbury's Supermarket.

Buses proceed from Sainsbury's Access Road direct to stand, departing to Sainsbury's Access Road. Set down in Sainsbury's Access Road, at Stop SU (BP5362 - Manor Road / Sainsbury's, Last Stop on LOR: BP5362 - Manor Road / Sainsbury's) and pick up in Sainsbury's Access Road, at Stop SU (BP5362 - Manor Road / Sainsbury's, First Stop on LOR: BP5362 - Manor Road / Sainsbury's).

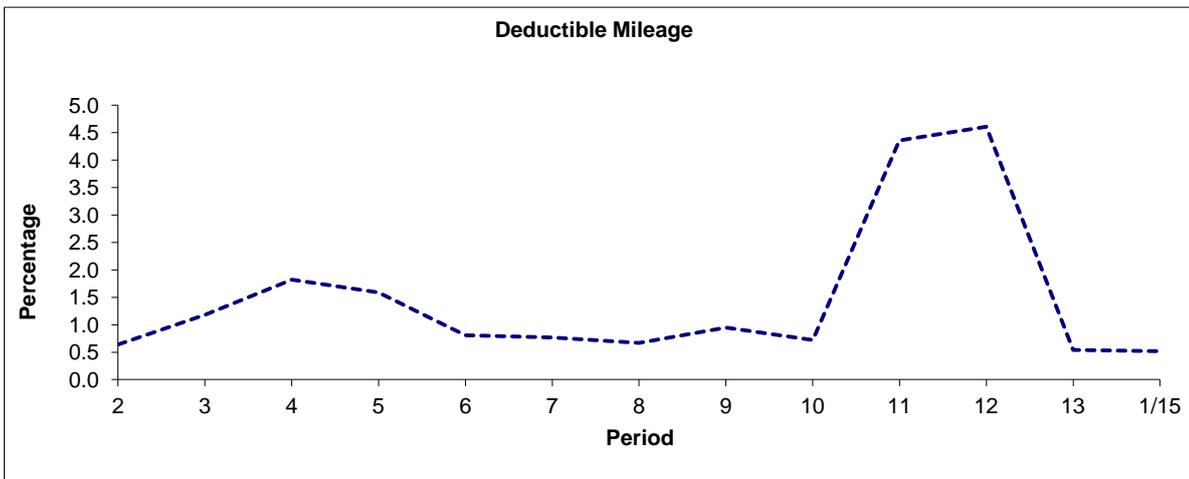
AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: No more than 2 buses on Route 371 should be scheduled to stand at any one time.  
MEAL RELIEFS: No meal relief vehicles to stand at any time.  
FERRY VEHICLES: No ferry vehicles to park on stand at any time.  
BLIND DISPLAY: Richmond, Manor Circus.  
OTHER INFORMATION: Toilet facilities to be confirmed.

**PART B - PERFORMANCE STATISTICS**

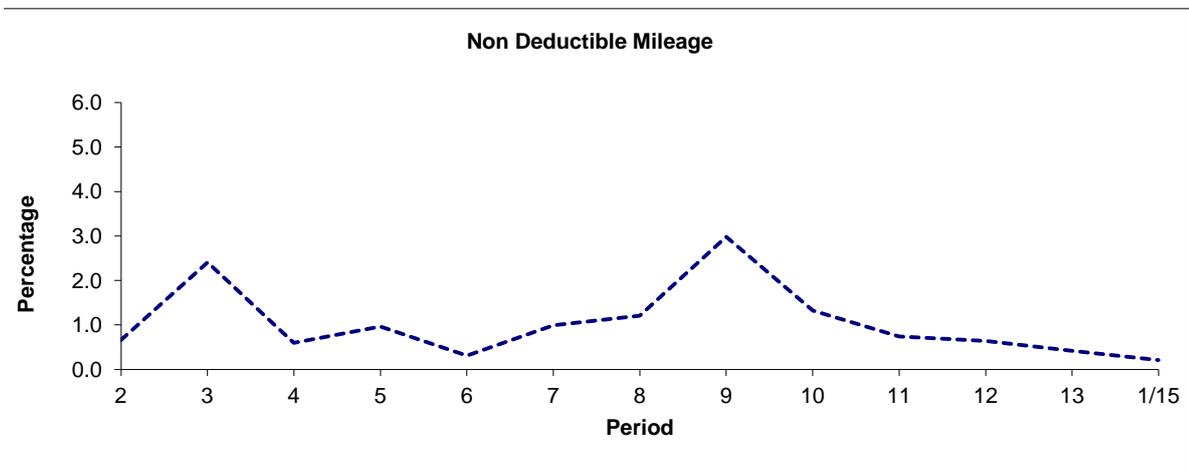
**Route 371**



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014/2015	98.70	96.41	97.58	97.45	98.88	98.24	98.12	96.07	97.96	94.90	94.75	99.04	99.27
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	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014/2015	0.64	1.18	1.82	1.59	0.81	0.77	0.67	0.95	0.72	4.36	4.61	0.54	0.52

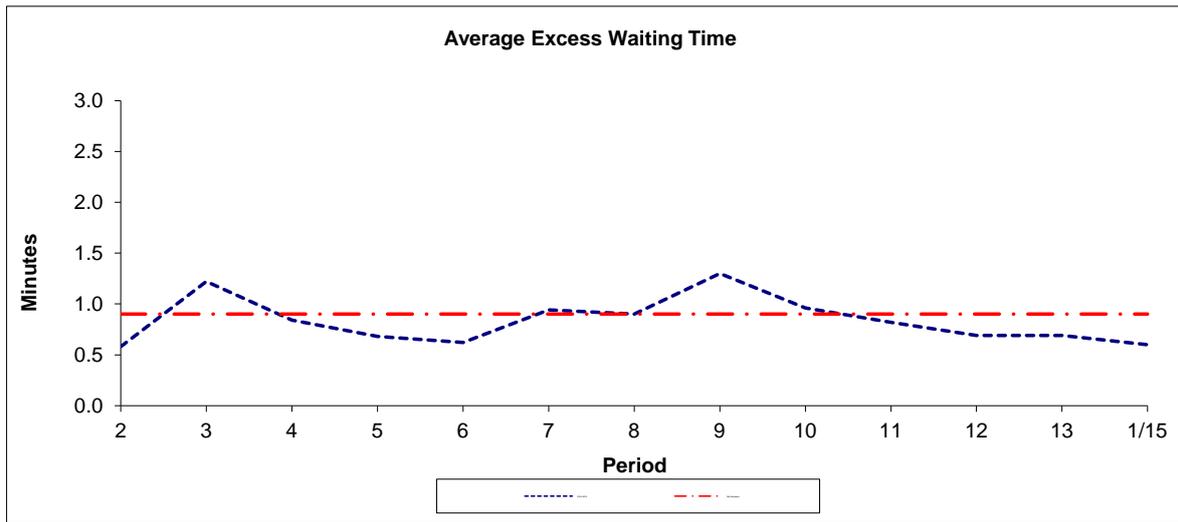


Period	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014/2015	0.66	2.41	0.60	0.96	0.31	0.99	1.21	2.98	1.32	0.74	0.64	0.42	0.21

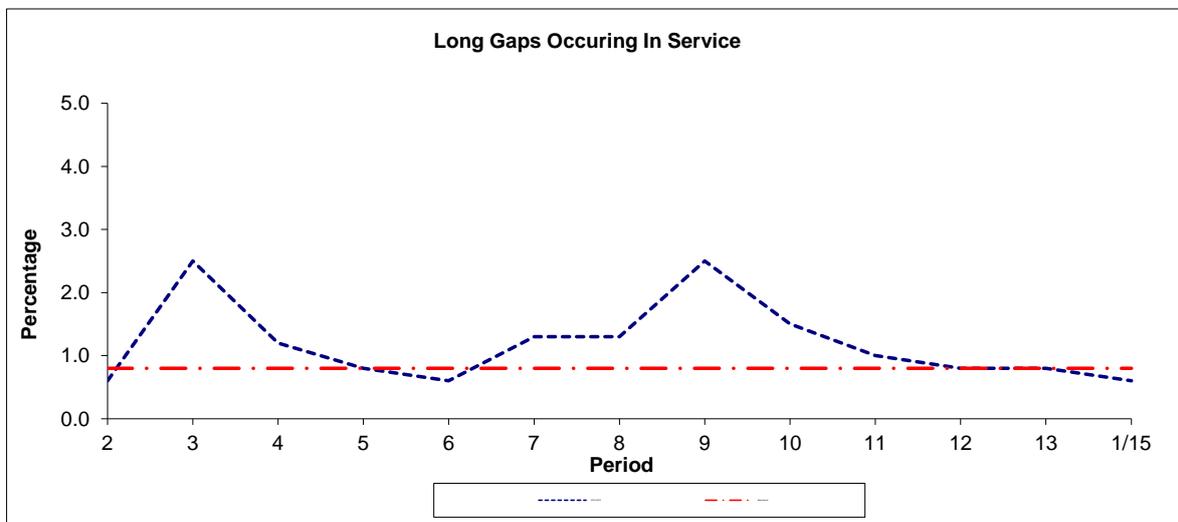
**Note :** Mileage is based on 4 weeks data  
 Deductible mileage performance adversely affected by industrial action by drivers in periods 11 and 12.

**PART B - PERFORMANCE STATISTICS**

**Route 371**



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014-2015	0.58	1.22	0.84	0.68	0.62	0.94	0.90	1.30	0.96	0.82	0.69	0.69	0.60
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	2	3	4	5	6	7	8	9	10	11	12	13	1/15
2014-2015	0.6	2.5	1.2	0.8	0.6	1.3	1.3	2.5	1.5	1.0	0.8	0.8	0.6
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 371 - FULL iBUS RESULTS BY TIME OF DAY  
 QUARTERS 1 TO 4 2014/15 (01/04/14 - 31/03/15)**

**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	29,640.	98.8	6.74	<b>0.32</b>	7.07	80.0	19.6	0.4	0.0	0.2	34
0700 - 1000	87,512.	97.6	4.36	<b>0.75</b>	5.11	90.2	9.2	0.5	0.0	1.0	56
1000 - 1300	88,072.	97.2	4.30	<b>0.82</b>	5.13	89.8	9.7	0.4	0.0	1.1	43
1300 - 1600	88,873.	97.1	4.28	<b>1.08</b>	5.37	87.6	11.5	0.8	0.2	1.9	70
1600 - 1900	88,233.	96.3	4.28	<b>1.13</b>	5.41	87.4	11.6	0.9	0.1	2.0	55
1900 - 2200	61,085.	101.0	5.90	<b>0.70</b>	6.60	76.4	22.1	1.2	0.3	0.9	74
2200 - 2400	33,738.	98.8	7.40	<b>0.40</b>	7.80	66.4	32.4	1.1	0.1	0.1	46
<b>Summary</b>	<b>477,153.</b>	<b>97.8</b>	<b>4.69</b>	<b>0.89</b>	<b>5.58</b>	<b>86.1</b>	<b>13.1</b>	<b>0.7</b>	<b>0.1</b>	<b>1.4</b>	<b>74</b>

**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	4,496.	99.6	9.00	<b>0.18</b>	9.17	65.0	33.4	1.5	0.1	1.1	42
0700 - 1000	14,132.	98.4	5.71	<b>0.42</b>	6.13	83.2	16.5	0.3	0.0	0.1	40
1000 - 1300	18,384.	97.5	4.32	<b>0.74</b>	5.06	90.3	9.2	0.4	0.1	1.0	40
1300 - 1600	18,494.	96.7	4.30	<b>1.10</b>	5.40	87.1	12.0	0.8	0.1	1.9	49
1600 - 1900	17,310.	98.3	4.54	<b>0.97</b>	5.52	86.3	12.7	0.8	0.1	1.5	63
1900 - 2200	11,121.	99.3	6.96	<b>0.63</b>	7.59	68.2	29.9	1.8	0.2	0.4	45
2200 - 2400	7,082.	97.9	7.39	<b>0.43</b>	7.83	66.0	33.0	0.9	0.1	0.1	39
<b>Summary</b>	<b>91,019.</b>	<b>98.0</b>	<b>5.10</b>	<b>0.80</b>	<b>5.90</b>	<b>83.4</b>	<b>15.7</b>	<b>0.8</b>	<b>0.1</b>	<b>1.1</b>	<b>63</b>

**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	1,465.	102.7	9.94	<b>-0.20</b>	9.75	76.0	21.9	2.0	0.1	5.1	33
0700 - 1000	8,836.	100.1	9.88	<b>0.14</b>	10.02	53.0	41.9	4.8	0.3	0.0	48
1000 - 1300	14,430.	98.8	6.18	<b>0.50</b>	6.68	78.5	20.5	0.9	0.1	0.3	38
1300 - 1600	14,626.	98.6	5.95	<b>0.90</b>	6.85	76.5	21.6	1.7	0.3	0.9	47
1600 - 1900	14,130.	100.1	6.18	<b>0.59</b>	6.77	75.7	23.3	0.9	0.1	0.3	42
1900 - 2200	11,945.	99.0	7.36	<b>0.41</b>	7.77	66.6	32.2	1.1	0.1	0.1	52
2200 - 2400	7,835.	100.2	7.48	<b>0.28</b>	7.77	66.5	32.6	0.8	0.1	0.1	36
<b>Summary</b>	<b>73,267.</b>	<b>99.4</b>	<b>6.77</b>	<b>0.55</b>	<b>7.32</b>	<b>72.5</b>	<b>25.9</b>	<b>1.5</b>	<b>0.1</b>	<b>0.4</b>	<b>52</b>

**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	35,601.	99.1	7.11	<b>0.29</b>	7.40	78.2	21.2	0.6	0.0	0.5	42
0700 - 1000	110,480.	97.9	4.74	<b>0.69</b>	5.43	87.9	11.4	0.7	0.1	0.9	56
1000 - 1300	120,886.	97.4	4.52	<b>0.77</b>	5.29	88.6	10.8	0.5	0.1	1.0	43
1300 - 1600	121,993.	97.2	4.46	<b>1.07</b>	5.53	86.3	12.6	0.9	0.2	1.8	70
1600 - 1900	119,673.	97.0	4.49	<b>1.06</b>	5.55	86.2	12.8	0.9	0.1	1.8	63
1900 - 2200	84,151.	100.5	6.20	<b>0.66</b>	6.86	74.3	24.2	1.3	0.3	0.8	74
2200 - 2400	48,655.	98.9	7.41	<b>0.39</b>	7.80	66.4	32.5	1.0	0.1	0.1	46
<b>Summary</b>	<b>641,439.</b>	<b>98.0</b>	<b>4.94</b>	<b>0.85</b>	<b>5.78</b>	<b>84.5</b>	<b>14.6</b>	<b>0.8</b>	<b>0.1</b>	<b>1.2</b>	<b>74</b>

641,439.

**Transport for London - QSI Points and Live Mileage List**

**TRANCHE 525**

Route 371  
 Service change 15443 Reason for Issue  
 Date 15 February 2011

Extension to Richmond, Manor Road Sainsbury's

QSI Points are highlighted

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
KINGKH S	KINGKH S	ISTON, KINGSTON HALL ROAD		
KINGKH	BP1646	Kingston Hall Road	0	0.00
	BP496	Guildhall	307	0.19
	R0700	Eden Street	420	0.26
KINGCB	BP1094	Cromwell Road Bus Station	341	0.21
	BP272	Tiffin School / London Road	414	0.26
NORBCH	19542	Norbiton Church	210	0.13
	BP5304	Gordon Road	350	0.22
	36894	Audric Close	277	0.17
	37293	Alexandra Road	392	0.24
KGRDPR	25361	Bockhampton Road	326	0.20
	25359	Latchmere Road	294	0.18
	25357	Wingfield Road	225	0.14
	25355	Latchmere Lane	181	0.11
	25353	The Cardinal	338	0.21
HAM TD	25352	Barnfield Avenue	286	0.18
	R0167	Richmond Road	479	0.30
	33735	Dysart Avenue	322	0.20
	33734	Lock Road	382	0.24
	33730	Mariner Gardens	319	0.20
HAM AG	R0897	Ashburnham Road	423	0.26
	33727	Ham Street	366	0.23
	33737	Clifford Road	534	0.33
	15714	Petersham / Fox & Duck	544	0.34
PETEDA	573	The Dysart	423	0.26
RHILSG	35978	American University	612	0.38
	35885	Chisholm Road	234	0.15
	35886	Park Road	353	0.22
	35887	Marchmont Road	247	0.15
RICHKR	35906	King's Road	236	0.15
	35882	St. Matthias Church	278	0.17
	35880	The Vineyard	268	0.17
	35878	Meadows Hall	220	0.14
	1751	Eton Street	370	0.23
RICHBS	36782	Richmond Bus Station	468	0.29
	29982	George Street	339	0.21
RICHSN	16350	The Quadrant		
	16239	Richmond Circus		
	16242	Sheendale Road	212	0.13
	9347	Manor Circus	317	0.20
RICHSY	BP5362	Manor Road / Sainsburys	351	0.22
RICHSY S	RICHSY S	Richmond, Manor Road, Sainsb	0	0.00
<b>TOTAL ROUTE MILEAGE - OUT DIRECTION</b>			13473 metres	8.37 miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
RICHSY S	RICHSY S	Richmond, Manor Road, Sainsburys		
RICHSY	BP5362	Manor Road / Sainsburys	0	0.00
	FW54	Manor Road / North Sheen Stati	127	0.08
	R0293	Manor Circus	239	0.15
	16241	Sheendale Road	206	0.13
	16240	Richmond Circus	363	0.23
RICHSN	20703	Richmond Station		
	16351	The Quadrant		
	4506	Eton Street	170	0.11
	35877	Meadows Hall	329	0.20
	35879	The Vineyard	223	0.14
	35881	St. Matthias Church	276	0.17
RICHKR	BP2383	Kings Road	301	0.19
	BP2384	Marchmont Road	224	0.14
	BP2385	Park Road	262	0.16
	BP2386	Cambrian Road	237	0.15
RHILSG	BP2387	American University	260	0.16
PETEDA	578	The Dysart	709	0.44
	15715	Sandpits Road	522	0.32
	33738	Clifford Road	427	0.27
	33728	Ham Street	625	0.39
HAM AG	33729	Ashburnham Road	318	0.20
	33731	Mariner Gardens	487	0.30
	33733	Lock Road	335	0.21
	33736	Dysart Avenue	250	0.16
	BP5796	Northweald Lane		
	25349	Richmond Road		
HAM TD	25351	Barnfield Avenue	406	0.25
	25354	The Cardinal	305	0.19
	25356	Latchmere Lane	152	0.09
	25358	Wingfield Road	319	0.20
	25360	Kelvedon Close	309	0.19
KGRDPR	BP035	Kings Road	251	0.16
	BP034	Alexandra Road	281	0.17
	BP036	Brunswick Road	282	0.18
	4479	Manor Gate Road	248	0.15
	BP5305	Gordon Road	242	0.15
NORBCH	R0277	Norbiton Church	243	0.15
	BP387	Tiffin School / London Road	171	0.11
	R0701	Eden Street	540	0.34
	BP488	St James's Road	252	0.16
	BP479	Guildhall	138	0.09
	BP1685	Kingston Hall Road	239	0.15
KINGKH S	KINGKH S	ISTON, KINGSTON HALL ROAD	0	0.00
<b>TOTAL ROUTE MILEAGE - BACK DIRECTION</b>			12308 metres	7.65 miles