

## 7. Service Specification

Route: R5 & R10

QC42903

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 - Route No. R5</b>	Orpington Station to Orpington Station (Clockwise)
<b>Terminus Points - Route No. R10</b>	Orpington Station to Orpington Station (Anti Clockwise)
<b>Contract Basis</b>	Incentivised
<b>Commencement Date</b>	7 <sup>th</sup> December 2013
<b>Vehicle Type</b>	45 capacity, single door, single deck
<b>Current Maximum Approved Dimensions</b>	8.8 metres long and 2.4 metres wide
<b>New Vehicles Mandatory</b>	Yes
<b>Hybrid Price Required</b>	No
<b>Sponsored Route</b>	No
<b>Minimum Performance Standard</b>	Departing on Time - No less than 82.00%
<b>Extension Threshold</b>	Departing on Time Threshold - 86.00%
<b>Advertising Rights</b>	Operator
<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 17<sup>th</sup> December 2012

*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
- 4) OPERATIONAL CONSIDERATIONS
- 5) ROUTE RECORD, CURRENT PERFORMANCE, QSI BY TIME OF DAY,  
IBUS MILEAGE & QSI POINTS

## 2) NOTES

### **Performance and Threshold measurement:**

It is anticipated that sufficient QSI surveys for Performance and Threshold measurement will be available at or shortly after the commencement of the new contract for Route Nos. R5 & R10. When they are available, full incentive provisions will be introduced from the start of the next payment quarter using the Departing on Time standard above. However, until sufficient QSI surveys are available the contract will operate without QIC payments or deductions, nor will the extension threshold be available.

### **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 Nos. R5 & R10.

Tenderers should note that there are no changes proposed as part of this Service Specification for Route Nos. R5 & R10.

- Tenderers should note that Route Nos. R5 & R10 are contracted as a single route and thus bids must be submitted on this basis.

### **Hail & ride operation:**

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 Nos. R5 & R10:

#### **Route No. R5**

(**Cudham/Knockholt**) Rushmore Hill, Halstead Lane, Knockholt Road, Shoreham Lane, Clarks Lane, Station Road, Shoreham Lane, Knockholt Road, Halstead Lane, Main Road, Cudham Lane South and Cudham Lane North.

#### **Route No. R10**

(**Cudham/Knockholt**) Cudham Lane North, Cudham Lane South, Main Road, Halstead Lane, Knockholt Road, Shoreham Lane, Clarks Lane, Station Road, Shoreham Lane, Knockholt Road, Halstead Lane and Rushmore Hill.

### **Requirements for Registration:**

The section of Route Nos. R5 & R10 between the Kent County Boundary at Rushmore Hill Nursery and the Kent County Boundary at Cudham Lane South / Knockholt Main Road will need to be registered with the Traffic Commissioner for the South Eastern and Metropolitan Traffic Areas 56 days before the operation commences. The registration should be sent to:

Copies of the registration should be sent to:

The South Eastern and Metropolitan Traffic Area Office  
Hillcrest House  
386 Harehills Lane  
Leeds  
LS9 6NF

Copies of the registration should be sent to:

Local Bus Planner  
Transport Integration  
Kent County Council  
Gibson Drive, Kings Hill,  
West Malling,  
Kent,  
ME19 4QG

and to

Bus and Coach Licensing Manager,  
Consultation Delivery  
TfL Surface Transport  
11<sup>th</sup> Floor, Zone G8  
Palestra  
197 Blackfriars Road  
London  
SE1 8NJ  
e-mail: [lsp@tfl.gov.uk](mailto:lsp@tfl.gov.uk)

The cost of this and any future variation to this registration are to be met by the Operator.

### 3) SCHEDULE REQUIREMENTS

#### 3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS

##### Route No. R5

Orpington Station to Orpington Station (Clockwise)	
0619*, 0820, 1020, 1219, 1419, 1630, 1832, 2033	Eight journeys

##### Route No. R10

Orpington Station to Orpington Station (Anti Clockwise)	
0719*, 0920, 1120, 1319, 1524, 1730, 1932	Seven journeys

\* This trip is not required to serve Orpington, Walnuts Centre

#### 3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS

##### Route No. R5

Orpington Station to Orpington Station (Clockwise)	
0623, 0823, 1019, 1219, 1419, 1631, 1833, 2033	Eight journeys

##### Route No. R10

Orpington Station to Orpington Station (Anti Clockwise)	
0723, 0920, 1119, 1319, 1525, 1731, 1932	Seven journeys

### 4) OPERATIONAL CONSIDERATIONS

- 4.1) When compiling schedules Tenderers are asked to consider passengers making connections to other services at the following location: Orpington Rail Station.
- 4.2) Route Nos. R5 & R10 can suffer unpredictable traffic delays in the Orpington area.
- 4.3) Smaller buses are used on the route due to highway constraints.

### 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 R5: Orpington Station - Knockholt

**Date of Structural Change:** 7 December 2013.

**Date of Service Change:** 7 December 2013.

**Reason for Issue:** New contract.

### **STREETS TRAVERSED**

**Towards Knockholt:** Orpington Bus Station, Station Approach, Station Road, Orpington War Memorial, Orpington High Street, Homefield Rise, Orpington High Street, Orpington War Memorial, Sevenoaks Road, Green Street Green High Street.

**Towards Orpington Station:** Green Street Green High Street, Rose & Crown Roundabout, Sevenoaks Road, Rushmore Hill, Halstead Lane, Knockholt Road, Shoreham Lane, Clarks Lane, Station Road, Shoreham Lane, Knockholt Road, Halstead Lane, Main Road, Harrow Road, Main Road, Cudham Lane South, Cudham Lane North, Rose & Crown Roundabout, Green Street Green High Street, Sevenoaks Road, Orpington War Memorial, Orpington High Street, Homefield Rise, Gravel Pit Way, Spur Road, Orpington War Memorial, Station Road, Station Approach.

**Special Journey towards Orpington Station between Sevenoaks Road and Station Road:** Before 0900 on Mondays to Fridays, buses run from Sevenoaks Road direct to Station Road, Orpington. operate from Sevenoaks Road, then via Orpington War Memorial rejoining line of route at Station 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.

### **ORPINGTON STATION**

Private stand for 8 buses standing abreast in marked bays on north side of Orpington Bus Station on east side of Orpington Station.

Buses proceed from Station Approach via Orpington Bus Station to stand, departing to Orpington Bus Station. Set down in Station Approach, at Stop G (R0398 - Orpington Station #, Last Stop on LOR: R0398 - Orpington Station #) and pick up in Orpington Bus Station, at Stop E (26966 - Orpington Bus Station #, First Stop on LOR: 26966 - Orpington Bus Station #).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route R5 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:	Orpington Station.
OTHER INFORMATION:	Toilets available at Rail Station from 04:30 to 00:45.

### **GREEN STREET GREEN, QUEENS HEAD**

Buses proceed from Green Street Green High Street direct to stand, departing to Green Street Green High Street. Set down in Green Street Green High Street, at Stop G (8204 - High Street / Green Street Green, Last Stop on LOR: 8204 - High Street / Green Street Green) and pick up in Green Street Green High Street, at Stop G (8204 - High Street / Green Street Green, First Stop on LOR: 8204 - High Street / Green Street Green).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	None.
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:	Knockholt.
OTHER INFORMATION:	Blind display for this turning point IS Knockholt to facilitate correct iBus operation.

# **LONDON BUSES - ROUTE DESCRIPTION**

## **ROUTE R10: Orpington Station - Knockholt**

**Date of Structural Change:** 7 December 2013.

**Date of Service Change:** 7 December 2013.

**Reason for Issue:** New contract.

### **STREETS TRAVERSED**

**Towards Knockholt:** Orpington Bus Station, Station Approach, Station Road, Orpington War Memorial, Orpington High Street, Homefield Rise, Orpington High Street, Orpington War Memorial, Sevenoaks Road, Green Street Green High Street.

**Towards Orpington Station:** Green Street Green High Street, Rose & Crown Roundabout, Cudham Lane North, Cudham Lane South, Main Road, Halstead Lane, Knockholt Road, Shoreham Lane, Clarks Lane, Station Road, Shoreham Lane, Knockholt Road, Halstead Lane, Rushmore Hill, Sevenoaks Road, Rose & Crown Roundabout, Green Street Green High Street, Sevenoaks Road, Orpington War Memorial, Orpington High Street, Homefield Rise, Gravel Pit Way, Spur Road, Orpington War Memorial, Station Road, Station Approach.

**Special Journey towards Orpington Station between Sevenoaks Road and Station Road:** Before 0900 on Mondays to Fridays, buses run from Sevenoaks Road direct to Station Road, Orpington. operate from Sevenoaks Road, then via Orpington War Memorial rejoining line of route at Station 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.

### **ORPINGTON STATION**

Private stand for 8 buses standing abreast in marked bays on north side of Orpington Bus Station on east side of Orpington Station.

Buses proceed from Station Approach via Orpington Bus Station to stand, departing to Orpington Bus Station. Set down in Station Approach, at Stop G (R0398 - Orpington Station #, Last Stop on LOR: R0398 - Orpington Station #) and pick up in Orpington Bus Station, at Stop E (26966 - Orpington Bus Station #, First Stop on LOR: 26966 - Orpington Bus Station #).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route R10 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:	Orpington Station.
OTHER INFORMATION:	Toilets available at Rail Station from 04:30 to 00:45.

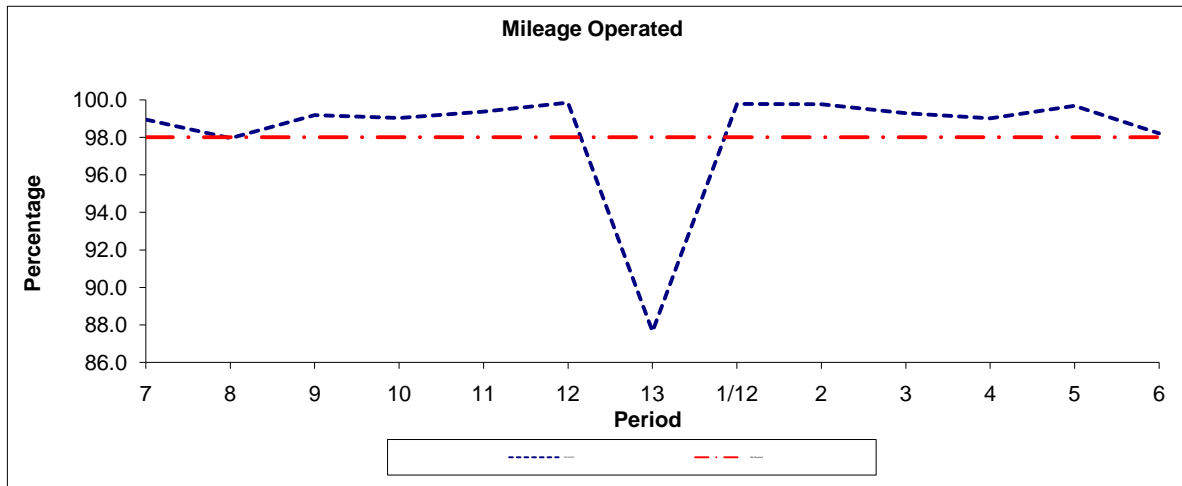
### **GREEN STREET GREEN, QUEENS HEAD (from ORPINGTON STATION)**

Buses proceed from Green Street Green High Street departing to Green Street Green High Street. Set down in Green Street Green High Street, at Stop G (8204 - High Street / Green Street Green, Last Stop on LOR: 8204 - High Street / Green Street Green) and pick up in Green Street Green High Street, at Stop G (8204 - High Street / Green Street Green, First Stop on LOR: 8204 - High Street / Green Street Green).

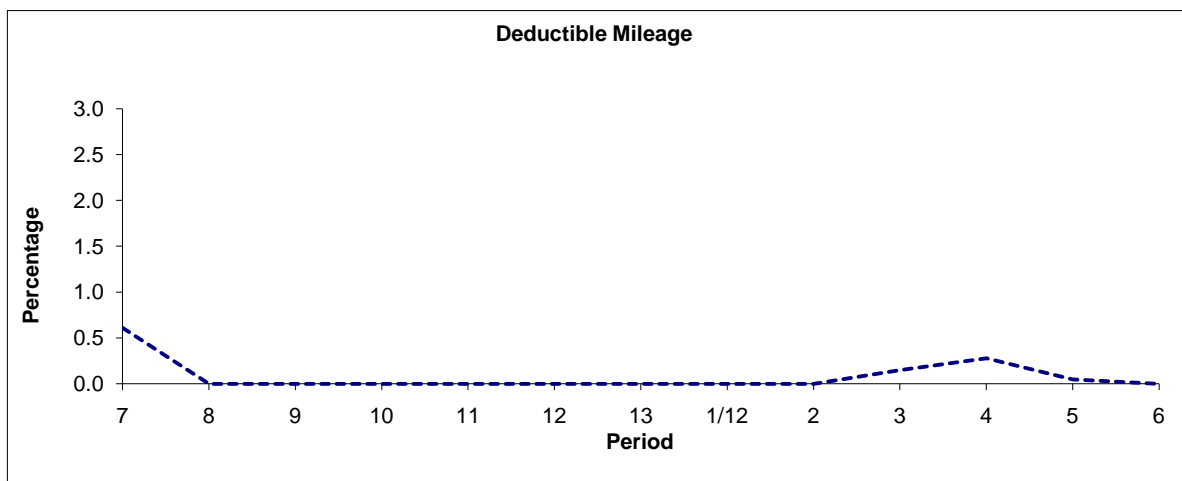
AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	<b>Turning Point Only - Buses must not stand</b>
BLIND DISPLAY:	Knockholt.
OTHER INFORMATION:	Blind display for this turning point IS Knockholt to facilitate correct iBus operation.

## PART B - PERFORMANCE STATISTICS

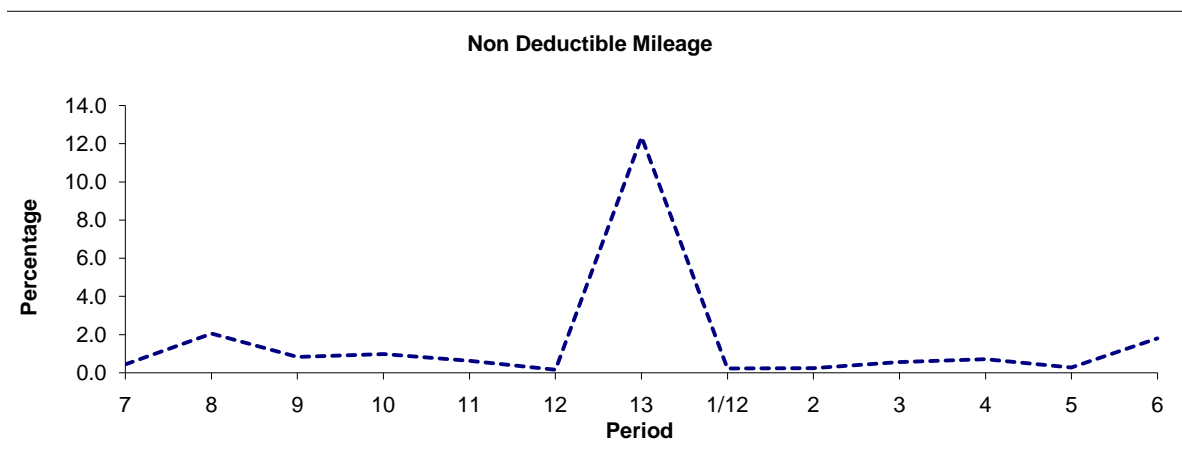
### Route R5



Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	98.94	97.94	99.17	99.02	99.37	99.84	87.65	99.77	99.75	99.28	99.01	99.67	98.20
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	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.28	0.05	0.00

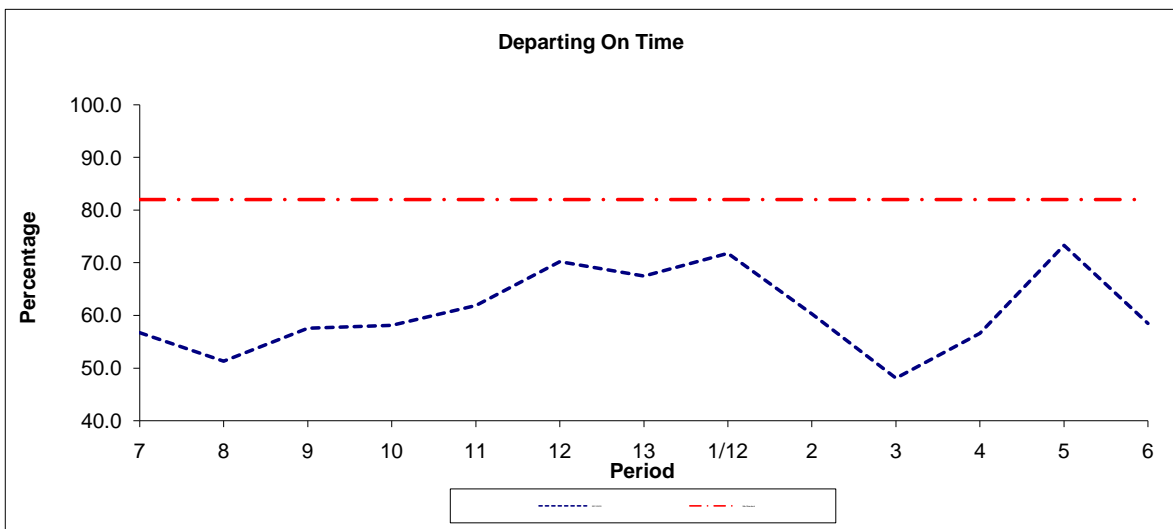


Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	0.45	2.06	0.83	0.98	0.63	0.16	12.35	0.23	0.25	0.57	0.71	0.28	1.80

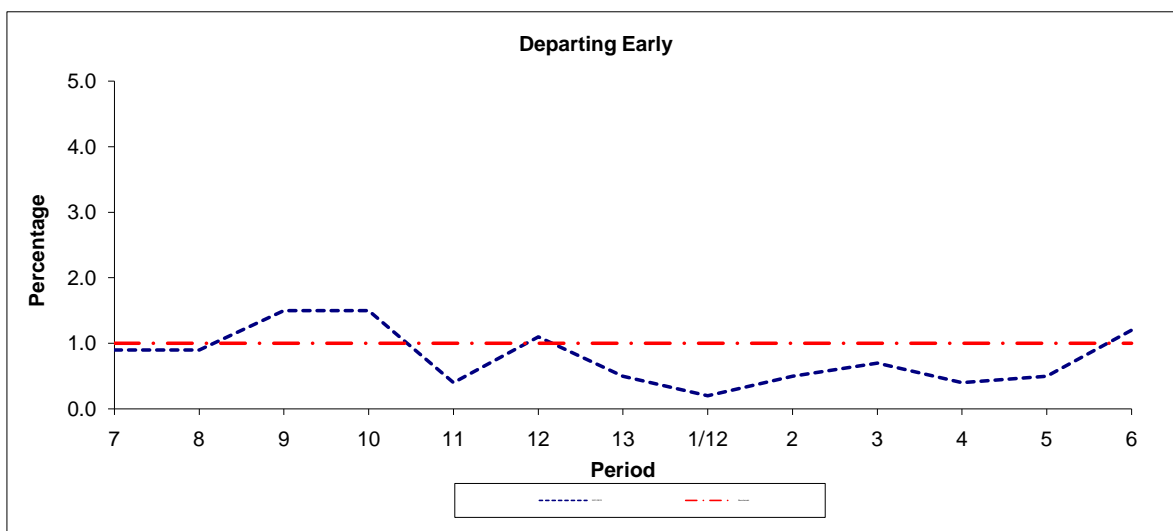
**Note :** Mileage is based on 4 weeks data

## PART B - PERFORMANCE STATISTICS

### Route R5



Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	56.7	51.3	57.6	58.1	61.9	70.2	67.5	71.8	60.3	48.1	56.6	73.3	58.5
Min Standard	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0

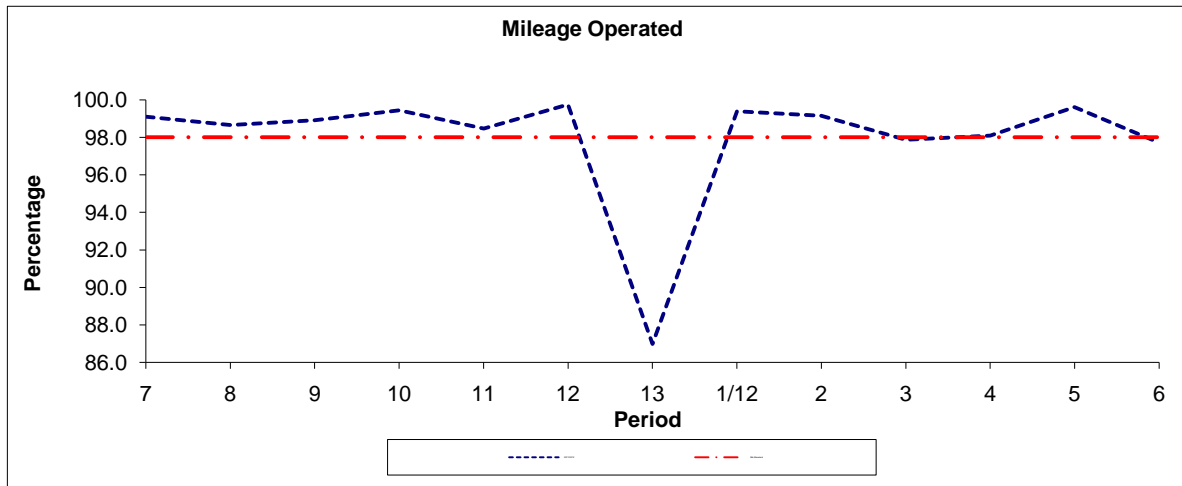


Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	0.9	0.9	1.5	1.5	0.4	1.1	0.5	0.2	0.5	0.7	0.4	0.5	1.2
Benchmark	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

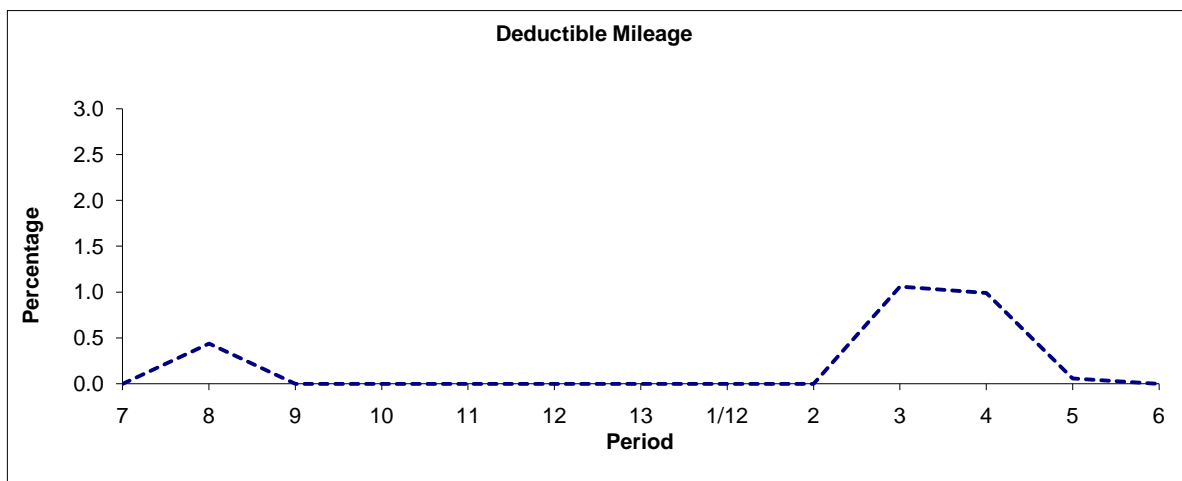
**Note :** Reliability is actual performance under full iBus (4 weeks data).  
Minimum Standards and Benchmarks are those applicable under the new contract.

## PART B - PERFORMANCE STATISTICS

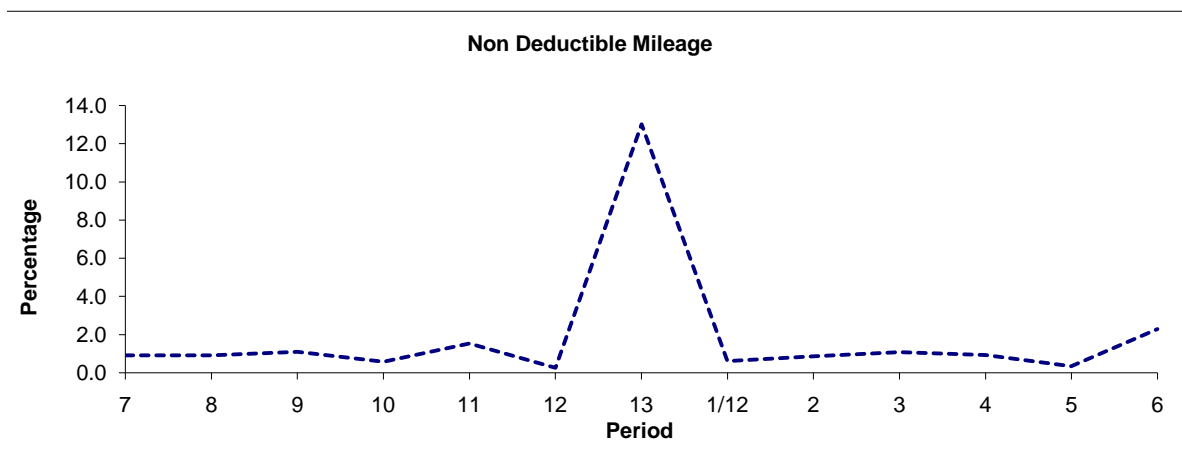
### Route R10



Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	99.09	98.65	98.91	99.43	98.46	99.74	86.99	99.38	99.14	97.86	98.08	99.60	97.71
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	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	0.99	0.06	0.00

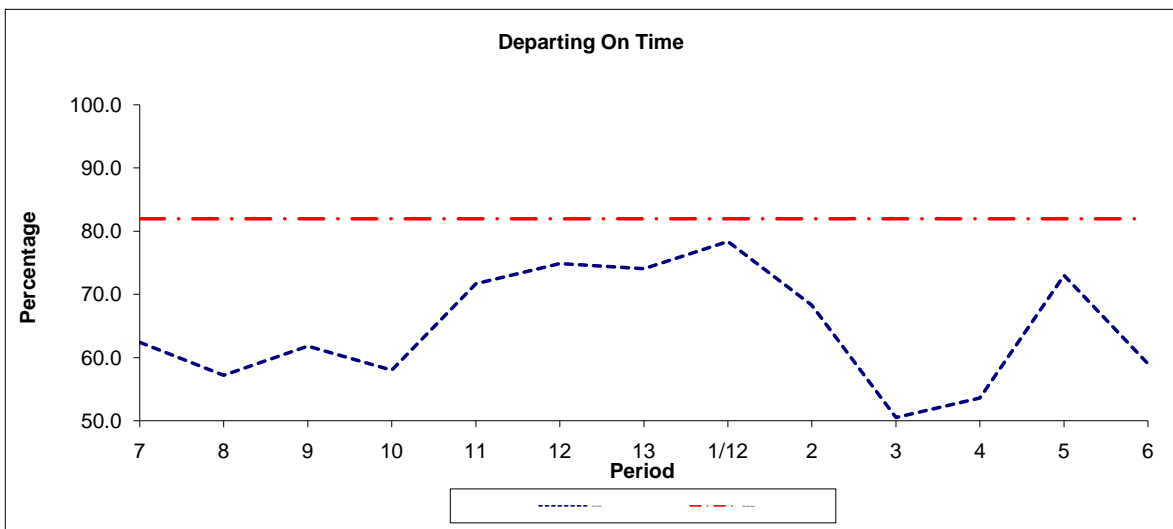


Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	0.91	0.91	1.09	0.57	1.54	0.26	13.01	0.62	0.86	1.08	0.93	0.34	2.29

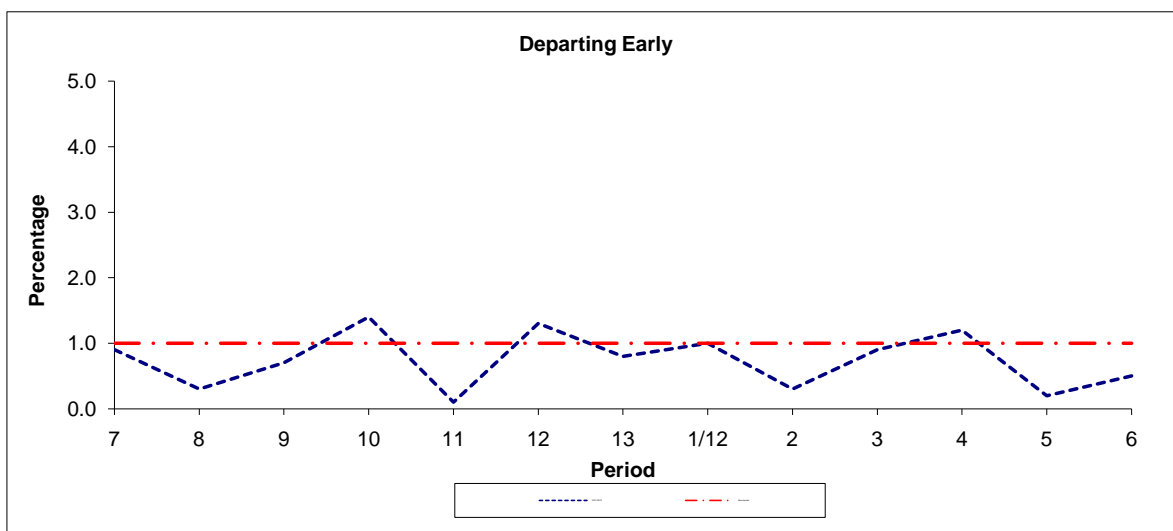
**Note :** Mileage is based on 4 weeks data  
 Performance affected by industrial action in p3 2012/13.

## PART B - PERFORMANCE STATISTICS

### Route R10



Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	62.4	57.2	61.8	58.0	71.7	74.9	74.1	78.4	68.3	50.5	53.6	73.0	59.0
Min Standard	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0



Period	7	8	9	10	11	12	13	1/12	2	3	4	5	6
2011/2012	0.9	0.3	0.7	1.4	0.1	1.3	0.8	1.0	0.3	0.9	1.2	0.2	0.5
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.

## ROUTE R5 - FULL iBUS RESULTS BY TIME OF DAY

### QUARTER 3 2011/12 TO QUARTER 2 2012/13

#### MONDAY - FRIDAY

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0500 - 0700	1,661.	93.0	99.2	95.6	1.1	0.5	2.8
0700 - 1000	1,922.	101.5	91.8	60.6	9.1	1.0	29.2
1000 - 1300	3,329.	91.4	86.7	62.6	12.9	0.5	24.1
1300 - 1600	2,371.	98.4	89.0	50.5	11.5	0.1	37.8
1600 - 1900	3,219.	91.4	92.5	56.3	8.1	0.3	35.3
1900 - 2200	2,515.	103.0	94.6	78.8	5.7	2.5	13.0
<b>Summary</b>	<b>15,017.</b>	<b>95.9</b>	<b>91.6</b>	<b>60.8</b>	<b>9.4</b>	<b>0.7</b>	<b>29.1</b>

#### SATURDAY

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0500 - 0700	295.	101.7	99.0	96.2	1.0	1.3	1.6
0700 - 1000	495.	94.1	95.2	86.7	2.4	1.2	9.7
1000 - 1300	691.	87.6	84.2	46.2	15.2	0.7	37.8
1300 - 1600	483.	96.3	79.9	34.4	23.0	0.0	42.6
1600 - 1900	660.	92.9	92.7	73.7	6.5	0.9	18.8
1900 - 2200	523.	96.9	94.3	85.2	4.7	3.5	6.7
<b>Summary</b>	<b>3,147.</b>	<b>93.9</b>	<b>90.1</b>	<b>60.2</b>	<b>12.1</b>	<b>1.0</b>	<b>26.7</b>

#### BANK HOLIDAYS

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0500 - 0700	19.	100.0	100.0	100.0	0.0	0.0	0.0
0700 - 1000	31.	90.3	90.3	95.1	4.9	0.0	0.0
1000 - 1300	44.	90.9	93.2	87.3	5.3	0.0	7.3
1300 - 1600	31.	100.0	96.8	59.9	1.8	0.0	38.4
1600 - 1900	43.	90.7	90.7	69.3	7.0	9.7	14.1
1900 - 2200	32.	96.9	96.9	92.4	2.1	5.5	0.0
<b>Summary</b>	<b>200.</b>	<b>94.0</b>	<b>94.0</b>	<b>77.8</b>	<b>4.2</b>	<b>2.9</b>	<b>15.1</b>

#### ALL DAYS

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0500 - 0700	1,975.	94.4	99.1	95.6	1.1	0.6	2.7
0700 - 1000	2,448.	99.9	92.4	63.9	8.3	1.0	26.7
1000 - 1300	4,064.	90.7	86.3	59.8	13.2	0.5	26.4
1300 - 1600	2,885.	98.1	87.6	48.0	13.3	0.1	38.6
1600 - 1900	3,922.	91.6	92.5	58.4	7.9	0.4	33.2
1900 - 2200	3,070.	101.9	94.5	79.8	5.6	2.7	12.0
<b>Summary</b>	<b>18,364.</b>	<b>95.6</b>	<b>91.4</b>	<b>60.8</b>	<b>9.8</b>	<b>0.8</b>	<b>28.6</b>

## ROUTE R10 - FULL iBUS RESULTS BY TIME OF DAY

### QUARTER 3 2011/12 TO QUARTER 2 2012/13

#### MONDAY - FRIDAY

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0700 - 1000	2,975.	88.6	93.4	76.2	4.8	0.5	18.5
1000 - 1300	2,319.	108.8	89.5	54.1	11.4	0.3	34.1
1300 - 1600	2,973.	90.9	91.5	64.4	8.7	0.9	26.0
1600 - 1900	2,581.	105.4	92.1	59.3	7.6	0.5	32.6
1900 - 2200	1,873.	97.7	94.7	74.2	5.4	0.3	20.1
<b>Summary</b>	<b>12,721.</b>	<b>97.5</b>	<b>92.2</b>	<b>64.9</b>	<b>7.7</b>	<b>0.5</b>	<b>26.9</b>

#### SATURDAY

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0700 - 1000	667.	91.3	96.0	90.0	3.9	3.2	2.9
1000 - 1300	485.	99.6	79.4	39.6	20.7	0.0	39.7
1300 - 1600	594.	88.2	85.0	52.8	17.7	0.4	29.0
1600 - 1900	528.	103.8	93.9	79.0	6.2	2.4	12.5
1900 - 2200	389.	97.9	97.2	88.1	2.7	1.5	7.7
<b>Summary</b>	<b>2,663.</b>	<b>95.6</b>	<b>90.3</b>	<b>64.2</b>	<b>12.4</b>	<b>1.3</b>	<b>22.1</b>

#### BANK HOLIDAYS

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0700 - 1000	38.	94.7	100.0	100.0	0.0	0.0	0.0
1000 - 1300	28.	107.1	100.0	100.0	0.0	0.0	0.0
1300 - 1600	35.	94.3	100.0	97.6	0.0	0.0	2.4
1600 - 1900	31.	106.5	100.0	80.5	0.0	19.5	0.0
1900 - 2200	22.	100.0	100.0	93.7	0.0	6.3	0.0
<b>Summary</b>	<b>154.</b>	<b>100.0</b>	<b>100.0</b>	<b>94.0</b>	<b>0.0</b>	<b>5.3</b>	<b>0.7</b>

#### ALL DAYS

Time Period	Expected Buses	On AVL (%)	Linked (%)	Departing On Time (%)	Non Arrival / Not Linked (%)	Departing 8 - 2.5 mins Early (%)	Departing 5 - 15 mins Late (%)
0700 - 1000	3,680.	89.1	94.0	77.5	4.7	0.7	17.1
1000 - 1300	2,832.	107.2	87.9	51.9	13.0	0.2	34.8
1300 - 1600	3,602.	90.4	90.5	62.8	10.1	0.8	26.3
1600 - 1900	3,140.	105.1	92.5	61.7	7.4	0.9	30.0
1900 - 2200	2,284.	97.7	95.2	76.3	5.0	0.6	18.2
<b>Summary</b>	<b>15,538.</b>	<b>97.2</b>	<b>91.9</b>	<b>65.0</b>	<b>8.3</b>	<b>0.7</b>	<b>26.1</b>

Route	R5
Service change	21961
Date	3 November 2009

TRANCHE 429

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
GSTGQH H	GSTGQH H	Green Street Green, Queens Head, Hesitation Point		
GSTGQH	8204	High Street/ Green Street Green	0	0.00
	40224	Sevenoaks Rd/Green Street Green	377	0.23
	R0393	The Hillside	1210	0.75
PB0TRH	10694	Pratts Bottom / Sevenoaks Road	609	0.38
HLSTCL	BP5088	Halstead / Meadow	3856	2.40
	BP5086	Halstead / The Cock	1307	0.81
	BP5087	Halstead / Meadow	531	0.33
	BP5089	Knockholt Pound / Park Corner	863	0.54
KN0CPD	BP5091	Knockholt Pound / Three Horseshoes	413	0.26
CUDMBA	H0231	Knockholt / The Crown	1593	0.99
	H0301	Brasted Lane	260	0.16
	H0552	Scotts Lodge	1445	0.90
	H0553	Cudham Forge	1968	1.22
	H0554	Church Hill	644	0.40
	H0555	Mace Lane	560	0.35
	H0556	Snag Lane	1286	0.80
GSTGQH	H1019	Cudham Park Road	347	0.22
	H0557	Long Stop	737	0.46
	8239	High Street/ Green Street Green	1059	0.66
GSTGMB	19010	Glentrammon Road	470	0.29
ORPNWC	19008	Crescent Way	456	0.28
	19006	Sevenoaks Road / Cloonmore Avenue	328	0.20
	40239	Sevenoaks Road / Orpington Hospital	248	0.15
	19004	Sevenoaks Road / Tower Road	295	0.18
	19002	Hillcrest Road	447	0.28
	10705	Sevenoaks Road / Orpington War Memorial	132	0.08
	12239	High Street/Orpington War Memorial	184	0.11
	40232	Orpington Police Station	313	0.19
ORPNWSN	13953	Tubbenden Lane	857	0.53
	R0398	Orpington Station	219	0.14
ORPNWSN S	ORPNWSN S	ORPNWSN STATION	0	0.00

TOTAL ROUTE MILEAGE - BACK DIRECTION	23014	14.30
	metres	miles

\*\* It is intended to reinstate the QSI point at Orpington Station at a future date.

Transport for London - QSI Points and Mileage List

Route R5 not via Orp  
Service change 21961  
Date 3 November 2009

QSI Points are highlighted in blue.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ORPNSN S	ORPNSN S	ORPINGTON STATION		
ORPNSN	26966	Orpington Bus Station **	0	0.00
	18952	Tubbenden Lane	275	0.17
	12239	High Street/Orpington War Memorial	547	0.34
ORPNWC	40232	Orpington Police Station	313	0.19
	12240	High Street/Orpington War Memorial	606	0.38
	31173	Hillcrest Road	317	0.20
	19005	Sevenoaks Road / Tower Road	398	0.25
	19007	Sevenoaks Road / Orpington Hospital	397	0.25
	BP4868	Sevenoaks Road / Cloonmore Avenue	262	0.16
	19009	Crescent Way	280	0.17
GSTGMB	19011	Glentrammon Road	507	0.32
GSTGQH	8204	High Street/ Green Street Green	480	0.30
GSTGQH H	GSTGQH H	Green Street Green, Queens Head, Hesitation Point	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION			4382 metres	2.72 miles

\*\* It is intended to reinstate the QSI point at Orpington Station at a future date.

TRANCHE 429

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
GSTGQH H	GSTGQH H	Green Street Green, Queens Head, Hesitation Point		
GSTGQH	8204	High Street/ Green Street Green	0	0.00
	40224	Sevenoaks Rd/Green Street Green	377	0.23
	R0393	The Hillside	1210	0.75
PBOTRH	10694	Pratts Bottom / Sevenoaks Road	609	0.38
	BP5088	Halstead / Meadow	3856	2.40
HLSTCL	BP5086	Halstead / The Cock	1307	0.81
	BP5087	Halstead / Meadow	531	0.33
	BP5089	Knockholt Pound / Park Corner	863	0.54
KNOCPD	BP5091	Knockholt Pound / Three Horseshoes	413	0.26
	H0231	Knockholt / The Crown	1593	0.99
	H0301	Brasted Lane	260	0.16
	H0552	Scotts Lodge	1445	0.90
CUDMBA	H0553	Cudham Forge	1968	1.22
	H0554	Church Hill	644	0.40
	H0555	Mace Lane	560	0.35
	H0556	Snag Lane	1286	0.80
	H1019	Cudham Park Road	347	0.22
	H0557	Long Stop	737	0.46
GSTGQH	8239	High Street/ Green Street Green	1059	0.66
GSTGMB	19010	Glentrammon Road	470	0.29
	19008	Crescent Way	456	0.28
	19006	Sevenoaks Road / Cloonmore Avenue	328	0.20
	40239	Sevenoaks Road / Orpington Hospital	248	0.15
	19004	Sevenoaks Road / Tower Road	295	0.18
	19002	Hillcrest Road	447	0.28
	10705	Sevenoaks Road / Orpington War Memorial	132	0.08
	13953	Tubbenden Lane	552	0.34
ORPNSN	R0398	Orpington Station	219	0.14
ORPNSN S	ORPNSN S	ORPINGTON STATION	0	0.00
TOTAL ROUTE MILEAGE - BACK DIRECTION			22212 metres	13.80 miles

Transport for London - QSI Points and Mileage List

Route R10  
Service change 21969  
Date 3 November 2009

QSI Points are highlighted in blue.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ORPNSN S	ORPNSN S	ORPINGTON STATION		
ORPNSN	26966	Orpington Bus Station **	0	0.00
	18952	Tubbenden Lane	275	0.17
	12239	High Street/Orpington War Memorial	547	0.34
ORPNWC	40232	Orpington Police Station	313	0.19
	12240	High Street/Orpington War Memorial	606	0.38
	31173	Hillcrest Road	317	0.20
	19005	Sevenoaks Road / Tower Road	398	0.25
	19007	Sevenoaks Road / Orpington Hospital	397	0.25
	BP4868	Sevenoaks Road / Cloonmore Avenue	262	0.16
	19009	Crescent Way	280	0.17
	GSTGMB	Glentrammon Road	507	0.32
GSTGQH	8204	High Street/ Green Street Green	480	0.30
GSTGQH H	GSTGQH H	Green Street Green, Queens Head, Hesitation Point	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION			4382 metres	2.72 miles

\*\* It is intended to reinstate the QSI point at Orpington Station at a future date.

TRANCHE 429

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
GSTGQH H	GSTGQH H	Green Street Green, Queens Head, Hesitation Point		
GSTGQH	8204	High Street/ Green Street Green	0	0.00
CUDMBA	H1114	0	4531	2.82
	H1115	0	2449	1.52
	H1016	Acremead	523	0.32
	H1116	0	786	0.49
	H1117	0	980	0.61
KNOCPD	BP5092	Knockholt Pound / Three Horseshoes	655	0.41
	BP5090	Knockholt Pound / Park Corner	298	0.19
	BP5088	Halstead / Meadow	848	0.53
HLSTCL	BP5086	Halstead / The Cock	1307	0.81
	BP5087	Halstead / Meadow	531	0.33
PBOTRH	BP4315	Pratts Bottom / Sevenoaks Road	3930	2.44
	40225	Charmwood Lane	685	0.43
	40223	Sevenoaks Road / Green Street Green	1126	0.70
GSTGQH	8239	High Street/ Green Street Green	423	0.26
GSTGMB	19010	Glentrammon Road	470	0.29
	19008	Crescent Way	456	0.28
	19006	Sevenoaks Road / Cloonmore Avenue	328	0.20
	40239	Sevenoaks Road / Orpington Hospital	248	0.15
	19004	Sevenoaks Road / Tower Road	295	0.18
	19002	Hillcrest Road	447	0.28
	10705	Sevenoaks Road / Orpington War Memorial	132	0.08
	12239	High Street/Orpington War Memorial	184	0.11
ORPNWC	40232	Orpington Police Station	313	0.19
	13953	Tubbenden Lane	857	0.53
ORPNSN	R0398	Orpington Station	219	0.14
ORPNSN S	ORPNSN S	ORPINGTON STATION	0	0.00
TOTAL ROUTE MILEAGE - BACK DIRECTION			23021 metres	14.30 miles

Transport for London - QSI Points and Mileage List

Route R10 not via Orpington  
Service change 21969  
Date 3 November 2009

QSI Points are highlighted in blue.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ORPNSN S	ORPNSN S	ORPINGTON STATION		
ORPNSN	26966	Orpington Bus Station **	0	0.00
	18952	Tubbenden Lane	275	0.17
	12239	High Street/Orpington War Memorial	547	0.34
ORPNWC	40232	Orpington Police Station	313	0.19
	12240	High Street/Orpington War Memorial	606	0.38
	31173	Hillcrest Road	317	0.20
	19005	Sevenoaks Road / Tower Road	398	0.25
	19007	Sevenoaks Road / Orpington Hospital	397	0.25
	BP4868	Sevenoaks Road / Cloonmore Avenue	262	0.16
	19009	Crescent Way	280	0.17
GSTGMB	19011	Glentrammon Road	507	0.32
GSTGQH	8204	High Street/ Green Street Green	480	0.30
GSTGQH H	GSTGQH H	Green Street Green, Queens Head, Hesitation Point	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION			4382 metres	2.72 miles

\*\* It is intended to reinstate the QSI point at Orpington Station at a future date.

TRANCHE 429

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
GSTGQH H	GSTGQH H	Green Street Green, Queens Head, Hesitation Point		
GSTGQH	8204	High Street/ Green Street Green	0	0.00
CUDMBA	H1114	0	4531	2.82
	H1115	0	2449	1.52
	H1016	Acremead	523	0.32
	H1116	0	786	0.49
	H1117	0	980	0.61
KNOCPD	BP5092	Knockholt Pound / Three Horseshoes	655	0.41
	BP5090	Knockholt Pound / Park Corner	298	0.19
	BP5088	Halstead / Meadway	848	0.53
HLSTCL	BP5086	Halstead / The Cock	1307	0.81
	BP5087	Halstead / Meadway	531	0.33
PBOTRH	BP4315	Pratts Bottom / Sevenoaks Road	3930	2.44
	40225	Charmwood Lane	685	0.43
	40223	Sevenoaks Road / Green Street Green	1126	0.70
GSTGQH	8239	High Street/ Green Street Green	423	0.26
GSTGMB	19010	Glentrammon Road	470	0.29
	19008	Crescent Way	456	0.28
	19006	Sevenoaks Road / Cloonmore Avenue	328	0.20
	40239	Sevenoaks Road / Orpington Hospital	248	0.15
	19004	Sevenoaks Road / Tower Road	295	0.18
	19002	Hillcrest Road	447	0.28
	10705	Sevenoaks Road / Orpington War Memorial	132	0.08
	13953	Tubbenden Lane	552	0.34
ORPNSN	R0398	Orpington Station	219	0.14
ORPNSN S	ORPNSN S	ORPINGTON STATION	0	0.00
TOTAL ROUTE MILEAGE - BACK DIRECTION			22219 metres	13.81 miles