

7. Service Specification

Route: R2

Contract Reference: QC54502

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	R2
Terminus Points	Option 1: Petts Wood Station, Station Square and Biggin Hill Valley, East Hill Option 2: Orpington, Walnuts Centre and Biggin Hill Valley, East Hill
Contract Basis	Incentivised
Commencement Date	3 rd December 2016
Vehicle Type	55 capacity, dual door, single deck, minimum 10.2m long
Current Maximum Approved Dimensions	10.2 metres long and 2.5 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard - Option 1	Departing on Time - No less than 82.00%
Minimum Performance Standard - Option 2	Departing on Time - No less than 86.00%
Extension Threshold - Option 1	Departing on Time Threshold - 85.00%
Extension Threshold - Option2	Departing on Time Threshold - 88.00%
Minimum Operated Mileage Standard - Option 1 & 2	No less than 98.00%

The Date of Tender for this ITT is: No later than 12 Noon on Tuesday 29th March 2016.

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. R2.

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:

Two options are proposed:

Option 1

- No changes are proposed

Option 2

- Route No. R2 is re-structured to operate between Orpington, Walnuts Centre and Biggin Hill Valley, East Hill.
- Route No. R2 is re-routed to operate from Orpington, Walnuts Centre via the existing line of routing of Route No. R7 to Station Road to re-join normal line of routing.
- The section of routing between Petts Wood Station, Station Square and Orpington, Walnuts Centre is withdrawn.
- **Please see Section 5 for a full list of streets traversed and standing arrangements.**

Option 1

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 No. R2:

Towards **Petts Wood**: (Biggin Hill) Melody Road, East Hill, Kings Road, Norheads Lane, (Tillingbourne Green) Austin Road, Amherst Drive, Sefton Road, Sherborne Road, Church Hill Road.

Towards **Biggin Hill**: (Tillingbourne Green) Church Hill Road, Sherborne Road, Sefton Road, Amherst Drive, Austin Road.

Option 2

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 No. R2:

Towards **Biggin Hill Valley, East Hill** : Spring Gardens, Melody Road and East Hill.

Towards **Orpington, Walnuts Centre**: East Hill, Kings Lane and Norheads Lane

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

OPTION 1

Petts Wood Station, Station Square to Biggin Hill Valley, East Hill			Biggin Hill Valley, East Hill to Petts Wood Station, Station Square		
First departure no later than 0705.			First departure no later than 0630.		
0700 - 2110	Every 30 minutes		0625 - 2030	Every 30 minutes	
Last departure no earlier than 2105.			Last departure no earlier than 2025.		
Pinchpoints					
Keston, Mark	0735 - 0905	30 minutes	Orpington Station, Crofton Road	0725 - 0925	30 minutes
	1505 - 1635	30 minutes		1500 - 1630	30 minutes

OPTION 2

Orpington, Walnuts Centre to Biggin Hill Valley, East Hill			Biggin Hill Valley, East Hill to Orpington, Walnuts Centre		
First departure no later than 0720.			First departure no later than 0630.		
0715 - 2110	Every 30 minutes		0625 - 2030	Every 30 minutes	
Last departure no earlier than 2105.			Last departure no earlier than 2025.		
Pinchpoints					
Kenston, Church	0735 - 0905	30 minutes	Kenston, Church	0725 - 0925	30 minutes
	1505 - 1635	30 minutes		1500 - 1630	30 minutes

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - Continued

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

OPTION 1

Petts Wood Station, Station Square to Biggin Hill Valley, East Hill		Biggin Hill Valley, East Hill to Petts Wood Station, Station Square			
First departure no later than 0705.		First departure no later than 0630.			
0700 - 2110	Every 30 minutes	0625 - 2030	Every 30 minutes		
Last departure no earlier than 2105.		Last departure no earlier than 2025.			
Pinchpoints					
Keston, Mark	0935 - 1105	30 minutes	Orpington Station, Crofton Road	0930 - 1100	30 minutes

OPTION 2

Orpington, Walnuts Centre to Biggin Hill Valley, East Hill		Biggin Hill Valley, East Hill to Orpington, Walnuts Centre			
First departure no later than 0720.		First departure no later than 0630.			
0715 - 2110	Every 30 minutes	0625 - 2030	Every 60 minutes		
Last departure no earlier than 2105.		Last departure no earlier than 2025.			
Pinchpoints					
Kenston, Church	0935 - 1105	30 minutes	Kenston, Church	0930 - 1100	30 minutes

4) OPERATIONAL CONSIDERATIONS

4.1) Route No. R2 can suffer from unpredictable traffic delays in the Orpington 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 R2: Petts Wood Station - Biggin Hill Valley, East Hill

Date of Structural Change: 3 December 2016.

Date of Service Change: 3 December 2016.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Biggin Hill Valley, East Hill: Station Square, Petts Wood Road, Poverest Road, Church Hill Wood, Sherborne Road, Sefton Road, Amherst Drive, Sidmouth Road, Austin Road, Poverest Road, Kent Road, Lower Road, Orpington High Street, Orpington War Memorial, Station Road, Crofton Road, Farnborough Common, Croydon Road, Westerham Road, Leaves Green Road, Main Road, Lebanon Gardens, Stock Hill, Sunningvale Avenue, Norheads Lane, Kings Road, Spring Gardens, Melody Road, East Hill.

Towards Petts Wood Station: East Hill, Kings Road, Norheads Lane, Sunningvale Avenue, Stock Hill, Lebanon Gardens, Main Road, Leaves Green Road, Westerham Road, Croydon Road, Farnborough Common, Crofton Road, Station Road, Orpington War Memorial, Orpington High Street, Chislehurst Road, Goodmead Road, Perry Hall Road, Orpington High Street, Lower Road, Kent Road, Poverest Road, Austin Road, Sidmouth Road, Amherst Drive, Sefton Road, Sherborne Road, Church Hill Wood, Poverest Road, Petts Wood Road, Station Square.

AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS

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

PETTS WOOD, STATION SQUARE

Public stand in two sections for up to 4 buses:

1 - outside Carrick House on west side of Station Square (western arm) extending 19 metres south.

2 - offside opposite Carrick House on east side of Station Square (western arm) extending 17 metres south.

Buses proceed from Station Square direct to stand, departing to Station Square. Set down in Station Square, at Stop D (35572 - Station Square / Petts Wood Station #, Last Stop on LOR: 35572 - Station Square / Petts Wood Station #) and pick up in Station Square, at Stop D (35572 - Station Square / Petts Wood Station #, First Stop on LOR: 35572 - Station Square / Petts Wood Station #).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route R2 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:	Petts Wood.
OTHER INFORMATION:	Council toilet facilities available 0800-2000 daily.

ORPINGTON, PERRY HALL ROAD (from BIGGIN HILL VALLEY, EAST HILL)

Public stand for 2 buses on north side of Perry Hall Road commencing level with car park entrance to Kelsey House and extending 26 metres west.

Buses proceed from Goodmead Road via Perry Hall Road to stand, departing via Perry Hall Road to Orpington High Street. Set down in Goodmead Road, at Stop D (34274 - Goodmead Road, Last Stop on LOR: 34274 - Goodmead Road) and pick up in Orpington High Street, at Stop P (35743 - High Street / Carlton Parade, First Stop on LOR: 35743 - High Street / Carlton Parade).

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:	Orpington.

ORPINGTON STATION (from Petts Wood 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 Road via Station Approach and Orpington Bus Station to stand, departing via Orpington Bus Station and Station Approach to Station Road. Set down in Station Road, at Stop J (13953 - Tubbenden Lane, Last Stop on LOR: 13953 - Tubbenden Lane) and pick up in Station Road, at Stop H (18952 - Tubbenden Lane, First Stop on LOR: 18952 - Tubbenden Lane).

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:	Orpington Station.

LOCKSBOTTOM, PALLANT WAY

Public stand for up to 2 buses on south side of Pallant Way (southern arm) adjacent to Sainsbury's car park.

From Biggin Hill Valley, East Hill.

Buses proceed from Crofton Road via Pallant Way to stand, departing via Pallant Way to Crofton Road. Set down in Crofton Road, at Stop HJ (18942 - Locksbottom / St Michael's Church, Last Stop on LOR: 18942 - Locksbottom / St Michael's Church) and pick up in Crofton Road, at Stop HK (18943 - Locksbottom / St Michael's Church, First Stop on LOR: 18943 - Locksbottom / St Michael's Church).

From Petts Wood Station.

Buses proceed from Crofton Road via Pallant Way to stand, departing via Pallant Way to Crofton Road. Set down in Crofton Road, at Stop HL (18945 - Crofton Road / Starts Hill Road, Last Stop on LOR: 18945 - Crofton Road / Starts Hill Road) and pick up in Crofton Road, at Stop HN (18944 - Crofton Road / Starts Hill Road, First Stop on LOR: 18944 - Crofton Road / Starts Hill 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:	Locksbottom.

BIGGIN HILL AIRPORT (from Petts Wood Station)

Buses proceed from Main Road departing to Main Road. Set down in Main Road, at Stop P (40146 - Main Road / Sunningvale Avenue, Last Stop on LOR: 40146 - Main Road / Sunningvale Avenue) and pick up in Main Road, at Stop B (40145 - Main Road / Sunningvale Avenue, First Stop on LOR: 40145 - Main Road / Sunningvale Avenue).

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

BIGGIN HILL VALLEY, EAST HILL

Public stand for one bus on south side of East Hill, commencing 10 metres east of Alexandra Road, 40 metres west of Whitby Close, outside side wall of No.1 Alexandra Road.

Buses proceed from East Hill direct to stand, departing to East Hill. Set down in East Hill (H1188 - Hail & Ride Melody Road, Last Stop on LOR: H1188 - Hail & Ride Melody Road) and pick up in East Hill (H1188 - Hail & Ride Melody Road, First Stop on LOR: H1188 - Hail & Ride Melody Road).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route R2 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: Biggin Hill Valley.
OTHER INFORMATION: No toilet facilities available.

LONDON BUSES - ROUTE DESCRIPTION

ROUTE R2: Orpington, Walnuts Centre - Biggin Hill Valley, East Hill

Date of Structural Change: 4 December 2016.

Date of Service Change: 4 December 2016.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Biggin Hill Valley, East Hill: Gravel Pit Way, Spur Road, Orpington War Memorial, Station Road, Crofton Road, Farnborough Common, Croydon Road, Westerham Road, Leaves Green Road, Main Road, Lebanon Gardens, Stock Hill, Sunningvale Avenue, Norheads Lane, Kings Road, Spring Gardens, Melody Road, East Hill.

Towards Orpington, Walnuts Centre: East Hill, Kings Road, Norheads Lane, Sunningvale Avenue, Stock Hill, Lebanon Gardens, Main Road, Leaves Green Road, Westerham Road, Croydon Road, Farnborough Common, Crofton Road, Station Road, Orpington War Memorial, Orpington High Street, Homefield Rise, Gravel Pit Way.

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, GRAVEL PIT WAY

Public stand for two buses in bay on east side of Gravel Pit Way at Stop Q. Buses proceed from Gravel Pit Way direct to stand, departing to Gravel Pit Way. Set down in Gravel Pit Way, at stop Q (37348 - Orpington Police Station, Last Stop on LOR: 12239 - High Street / Orpington War Memorial) and pick up {Not Specified}, Q (37348 - Orpington Police Station, First Stop on LOR: 13953 - Tubbenden Lane).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route R2 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, Walnuts Centre.
OTHER INFORMATION:	London Borough Public toilet facilities available 0700 - 2000 Monday to Saturday and 0800 - 1800 Sunday.

ORPINGTON STATION (from ORPINGTON, WALNUTS CENTRE)

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 Road via Station Approach and Orpington Bus Station to stand, departing via Orpington Bus Station and Station Approach to Station Road. Set down in Station Road, at Stop J (13953 - Tubbenden Lane, Last Stop on LOR: 13953 - Tubbenden Lane) and pick up in Station Road, at Stop H (18952 - Tubbenden Lane, First Stop on LOR: 18952 - Tubbenden Lane).

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:	Orpington Station.

LOCKSBOTTOM, PALLANT WAY

Public stand for up to 2 buses on south side of Pallant Way (southern arm) adjacent to Sainsbury's car park.

From Biggin Hill Valley, East Hill.

Buses proceed from Crofton Road via Pallant Way to stand, departing via Pallant Way to Crofton Road. Set down in Crofton Road, at Stop HJ (18942 - Locksbottom / St Michael's Church, Last Stop on LOR: 18942 - Locksbottom / St Michael's Church) and pick up in Crofton Road, at Stop HK (18943 - Locksbottom / St Michael's Church, First Stop on LOR: 18943 - Locksbottom / St Michael's Church).

From Orpington, Walnuts Centre.

Buses proceed from Crofton Road via Pallant Way to stand, departing via Pallant Way to Crofton Road. Set down in Crofton Road, at Stop HL (18945 - Crofton Road / Starts Hill Road, Last Stop on LOR: 18945 - Crofton Road / Starts Hill Road) and pick up in Crofton Road, at Stop HN (18944 - Crofton Road / Starts Hill Road, First Stop on LOR: 18944 - Crofton Road / Starts Hill 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:	Locksbottom.

BIGGIN HILL AIRPORT (from ORPINGTON, WALNUTS CENTRE)

Buses proceed from Main Road departing to Main Road. Set down in Main Road, at Stop P (40146 - Main Road / Sunningvale Avenue, Last Stop on LOR: 40146 - Main Road / Sunningvale Avenue) and pick up in Main Road, at Stop B (40145 - Main Road / Sunningvale Avenue, First Stop on LOR: 40145 - Main Road / Sunningvale Avenue).

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

BIGGIN HILL VALLEY, EAST HILL

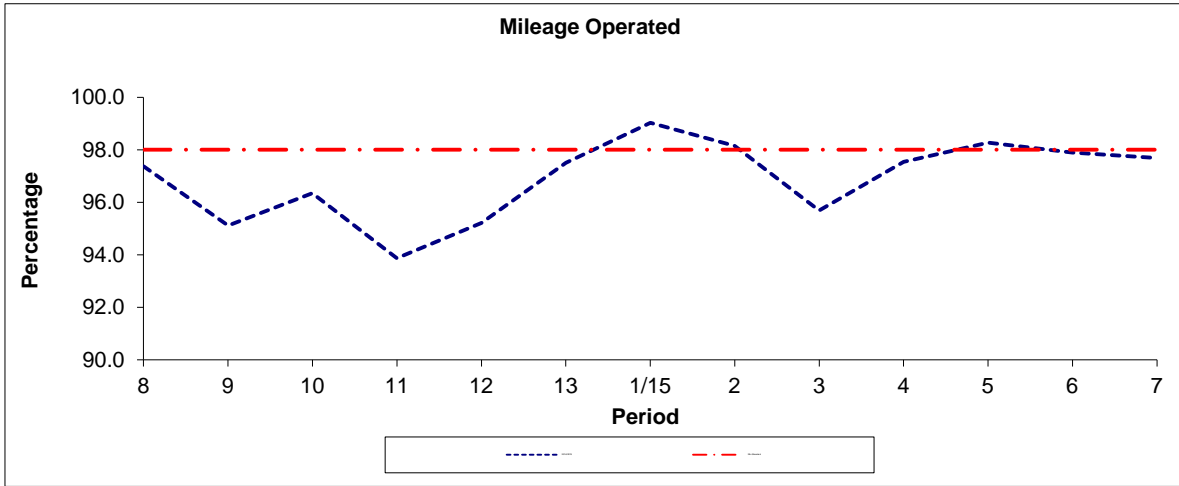
Public stand for one bus on south side of East Hill, commencing 10 metres east of Alexandra Road, 40 metres west of Whitby Close, outside side wall of No.1 Alexandra Road.

Buses proceed from East Hill direct to stand, departing to East Hill. Set down in East Hill (H1188 - Hail & Ride Melody Road, Last Stop on LOR: H1188 - Hail & Ride Melody Road) and pick up in East Hill (H1188 - Hail & Ride Melody Road, First Stop on LOR: H1188 - Hail & Ride Melody Road).

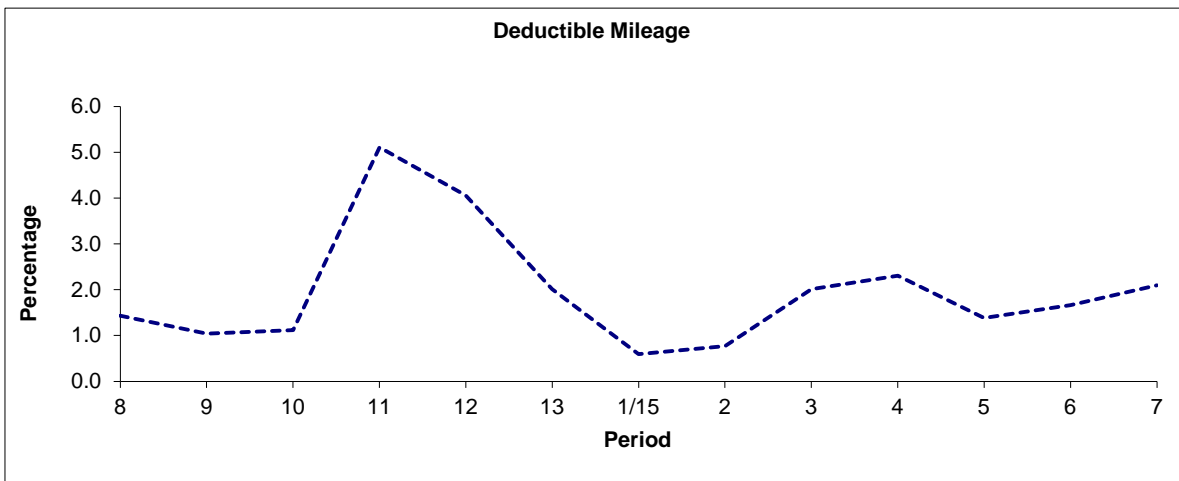
AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route R2 should be scheduled to stand at any one time.
MEAL RELIEFS: No meal relief vehicles to stand at any time.
FERRY VEHICLES: No ferry vehicles to park on stand at any time.
BLIND DISPLAY: Biggin Hill Valley.
OTHER INFORMATION: No toilet facilities available.

PART B - PERFORMANCE STATISTICS

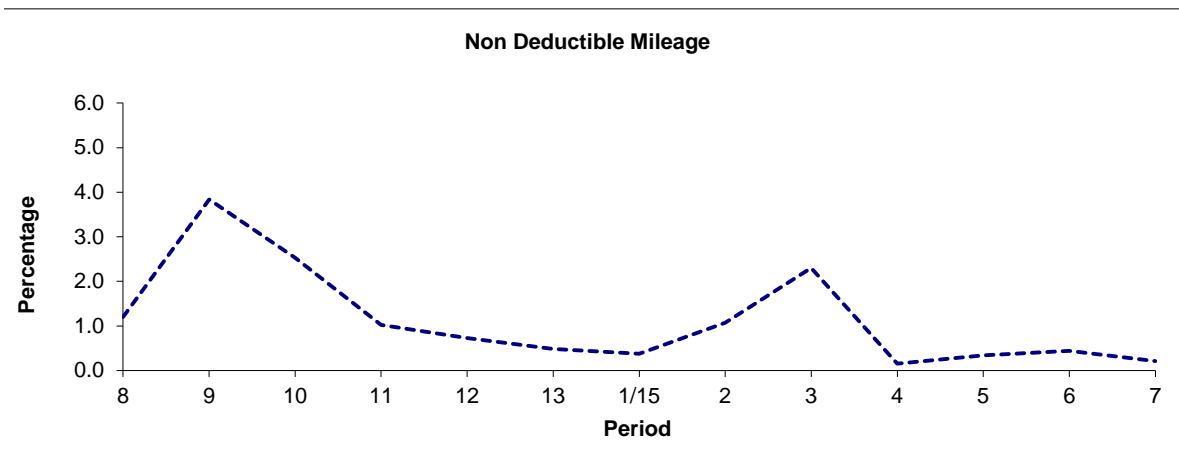
Route R2



Period	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	97.37	95.12	96.35	93.87	95.21	97.51	99.03	98.16	95.69	97.55	98.28	97.90	97.69
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	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	1.43	1.04	1.12	5.11	4.06	2.01	0.59	0.77	2.01	2.30	1.38	1.66	2.10

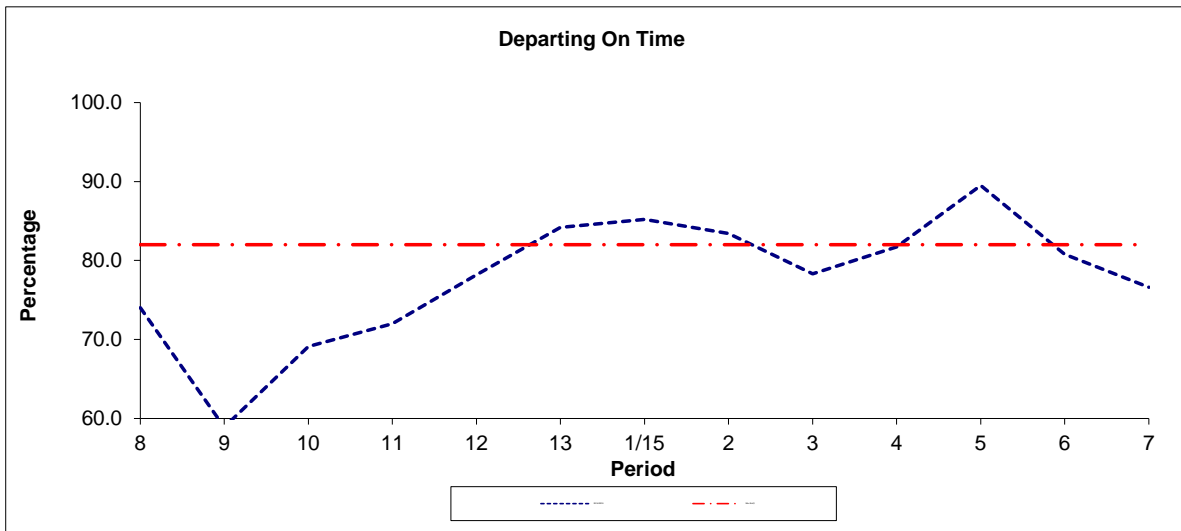


Period	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	1.20	3.84	2.53	1.02	0.73	0.48	0.38	1.07	2.30	0.15	0.34	0.44	0.21

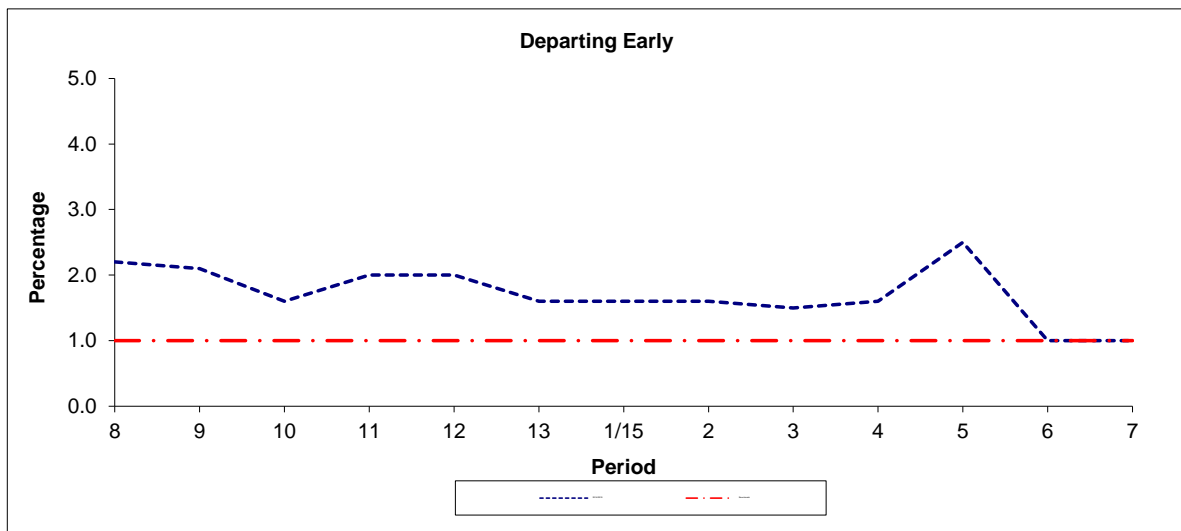
Note : Mileage is based on 4 weeks data
 Deductible Mileage was adversely affected by industrial action in periods 11 and 12 14/15.

PART B - PERFORMANCE STATISTICS

Route R2 \$



Period	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	74.0	58.9	69.1	72.0	78.2	84.2	85.2	83.4	78.3	81.7	89.5	80.8	76.6
Min Std \$	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	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	2.2	2.1	1.6	2.0	2.0	1.6	1.6	1.6	1.5	1.6	2.5	1.0	1.0
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).
 \$ The Minimum Standard shown is applicable under Option 1 of the new contract. A Minimum Standard of 86% On Time applies under Option 2.

**ROUTE R2 - FULL iBUS RESULTS BY TIME OF DAY
 QUARTER 3 14/15 TO QUARTER 2 15/16 (13/09/14 - 18/0915)**

MONDAY - FRIDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	1,876.	1,649.	87.9	94.6	79.0	5.2	0.0	15.8
07:00 - 10:00	23,681.	22,757.	96.1	93.4	66.5	7.3	1.9	24.2
10:00 - 13:00	25,562.	25,042.	98.0	97.2	87.5	2.9	1.4	8.2
13:00 - 16:00	25,526.	24,629.	96.5	97.4	84.3	2.9	1.9	10.9
16:00 - 19:00	24,495.	23,825.	97.3	92.0	67.0	8.7	1.8	22.5
19:00 - 22:00	21,571.	21,413.	99.3	96.6	83.0	3.5	1.8	11.7
22:00 - 24:00	0.	16.						
All Locations	122,711.	119,331.	97.2	95.3	76.4	5.4	1.7	16.5

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	437.	402.	92.0	97.3	83.5	2.8	0.7	13.0
07:00 - 10:00	5,164.	5,099.	98.7	98.8	88.8	1.1	1.7	8.5
10:00 - 13:00	5,210.	5,155.	98.9	98.7	83.3	1.5	1.3	13.9
13:00 - 16:00	5,340.	5,238.	98.1	97.1	82.9	3.0	2.1	11.9
16:00 - 19:00	5,397.	5,324.	98.6	98.7	91.4	1.3	1.8	5.4
19:00 - 22:00	4,372.	4,382.	100.2	98.2	86.0	1.8	1.5	10.7
22:00 - 24:00	0.	1.						
All Locations	25,920.	25,601.	98.8	98.3	86.1	1.9	1.7	10.3

PUBLIC HOLIDAYS (NO SUNDAY SERVICE)

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	1.	1.	100.0	100.0	100.0	0.0	0.0	0.0
07:00 - 10:00	75.	76.	101.3	100.0	88.2	0.0	6.1	5.6
10:00 - 13:00	79.	79.	100.0	100.0	93.7	0.0	6.3	0.0
13:00 - 16:00	80.	79.	98.8	100.0	90.9	0.0	9.1	0.0
16:00 - 19:00	81.	78.	96.3	96.3	86.9	3.4	6.3	3.4
19:00 - 22:00	79.	76.	96.2	88.6	62.8	14.9	0.0	22.3
All Locations	395.	389.	98.5	97.0	86.4	3.0	5.9	4.7

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	2,314.	2,052.	88.7	95.1	79.5	5.0	0.1	15.5
07:00 - 10:00	28,920.	27,932.	96.6	94.4	68.5	6.7	1.9	22.9
10:00 - 13:00	30,851.	30,276.	98.1	97.5	86.8	2.6	1.4	9.2
13:00 - 16:00	30,946.	29,946.	96.8	97.3	84.1	2.9	1.9	11.0
16:00 - 19:00	29,973.	29,227.	97.5	93.2	70.1	7.7	1.8	20.3
19:00 - 22:00	26,022.	25,871.	99.4	96.9	83.4	3.3	1.7	11.6
22:00 - 24:00	0.	17.						
All Locations	149,026.	145,321.	97.5	95.8	77.7	4.9	1.7	15.6

Transport for London - QSI Points and Live Mileage List

Route R2 (Option1)
 Service change 23518
 Date 3 November 2009

TRANCHE 545

QSI Points are highlighted

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
PTWDS S	PTWDS S	PETTS WOOD, STATION SQUARE		
PTWDS S	35572	Station Square / Petts Wood Station	0	0.00
	26911	Woodland Way	197	0.12
	26909	Cross Way	326	0.20
	26907	Petts Wood Road	351	0.22
CHISPW	40245	Ladywood Avenue	309	0.19
	BP 2290	Poverest Road / Chislehurst Road	189	0.12
	BP 2289	Poverest Road / Church Hill Wood	271	0.17
	H1216	0	146	0.09
	H1218	0	474	0.29
	H1220	0	226	0.14
AMHDDR	H1221	0	258	0.16
	H1222	0	370	0.23
	H1223	0	203	0.13
	H1225	0	397	0.25
	BP 2287	Marion Crescent	223	0.14
KRCAXR	BP 142	Kent Road	412	0.26
	40208	Lower Road / The Royal Albert	430	0.27
	35743	High Street / Carlton Parade	414	0.26
	12444	High Street / Church Hill	352	0.22
	12442	Walnuts Centre	287	0.18
ORPNWM	12240	High Street/Orpington War Memorial	360	0.22
	13953	Tubbenden Lane	612	0.38
ORPNSC	18951	Orpington Station	335	0.21
	18949	Pound Court Drive	574	0.36
	20133	Crofton Road/Crofton Lane	344	0.21
	18947	Oakwood Road/St Paul's Church	177	0.11
	20132	Glyndebourne Park	614	0.38
	18945	Crofton Road/Starts Hill Road	505	0.31
LBOTSM	18943	Locksbottom / St Michael's Church	318	0.20
	R0600	Keston Park Close	610	0.38
KESTMK	R0599	Croydon Road/The Keston Mark	419	0.26
	BP 2381	Rushley Close	370	0.23
	40123	Rolinsden Way	292	0.18
	40125	Fishponds Road	241	0.15
	46127	Westerham Road / Keston Common	421	0.26
	40130	Westerham Road / Heathfield Road	322	0.20
KESTCH	40131	Downe Road / Keston Church	1136	0.71
	40133	Blackness Lane	415	0.26
	R0507	Leaves Green / Ashmore Lane	472	0.29
LEVGKA	40136	Leaves Green / The Kings Arms	383	0.24
	40139	Biggin Hill Airport / Passenger Terminal	488	0.30
	40142	Hanbury Drive	434	0.27
	40143	Main Road / Saltbox Hill	520	0.32
	40146	Main Road / Sunningvale Avenue	473	0.29
BIGHBH	40147	Biggin Hill / Black Horse	747	0.46
BIGHLG	40149	Biggin Hill Post Office	559	0.35
	40166	Norheads Lane / Stock Hill	639	0.40
	40167	Kings Road / Norheads Lane	373	0.23
	40168	Biggin Hill Valley	494	0.31
	H0174	Melody Road / Spring Gardens	558	0.35
	H0248	Melody Road / Sonnet Walk	146	0.09
BIGHEH	H1188	0	200	0.12
BIGHEH S	BIGHEH S	Biggin Hill Valley, East Hill	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION			20386 metres	12.67 miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BIGHEH S	BIGHEH S	Biggin Hill Valley, East Hill		
BIGHEH	H1188	0	0	0.00
	H0175	East Hill	97	0.06
	H0250	Sonnet Walk	152	0.09
	H0247	Spring Gardens	236	0.15
	H0458	Rosehill Road	238	0.15
	H0459	Rosehill Road	136	0.08
	H0460	Biggin Hill Valley	185	0.11
	H0461	Kings Road / Norheads Lane	182	0.11
	H0462	Norheads Lane	358	0.22
BIGHLG	40165	Biggin Hill Post Office	681	0.42
	40150	Maple Leaf Close	226	0.14
BIGHBH	40148	Biggin Hill / Black Horse	404	0.25
	40145	Main Road / Sunningvale Avenue	795	0.49
	40144	Main Road / Saltbox Hill	468	0.29
	40141	Hanbury Drive	373	0.23
	40140	Biggin Hill Airport / Passenger Terminal	369	0.23
LEVGKA	40135	Leaves Green / The Kings Arms	670	0.42
	40137	Leaves Green/Ashmore Lane	356	0.22
	40134	Blackness Lane	512	0.32
KESTCH	40132	Keston Church	650	0.40
	40129	Westerham Rd/Heathfield Rd	901	0.56
	40128	Westerham Rd/Keston Common	290	0.18
	40126	Fishponds Road	430	0.27
	40124	Rolinsden Way	309	0.19
	40122	Westerham Road / The Keston Mark	424	0.26
KESTMK	R0606	Croydon Road/The Keston Mark	142	0.09
	R0608	Keston Park Close	482	0.30
	R0615	Locksbottom / Farnborough Common	263	0.16
LBOTSM	18942	Locksbottom / St Michael's Church	299	0.19
	18944	Crofton Road / Starts Hill	370	0.23
	20099	Glyndebourne Park	418	0.26
	18946	Oakwood Road/St Paul's Church	607	0.38
	33231	Crofton Lane / Crofton Road	417	0.26
	18948	Pound Court Drive	275	0.17
ORPNSC	18950	Orpington Station	566	0.35
	18952	Tubbenden Lane	215	0.13
ORPNWM	12239	High Street/Orpington War Memorial	547	0.34
	R0520	Walnuts Centre	313	0.19
	R0514	High Street / Broomhill Road	228	0.14
	34274	Goodmead Road	467	0.29
	12445	High Street / Carlton Parade	382	0.24
	40207	Lower Road / The Royal Albert	190	0.12
KRCAXR	BP 139	Kent Road	559	0.35
	BP 2294	Marion Crescent	436	0.27
	H1224	0	193	0.12
AMHDDR	H1219	0	951	0.59
	H1217	0	942	0.59
	BP 2292	Poverest Road / Church Hill Wood	234	0.15
CHISPW	BP 2291	Poverest Road / Chislehurst Road	193	0.12
	26906	Ladywood Avenue	206	0.13
	26908	Petts Wood Road	355	0.22
	26910	Cross Way	407	0.25
	26912	Woodland Way	243	0.15
PTWDS S	35572	Station Square / Petts Wood Station	279	0.17
PTWDS S	PTWDS S	PETTS WOOD, STATION SQUARE	0	0.00
TOTAL ROUTE MILEAGE - BACK DIRECTION			20621 metres	12.81 miles

Transport for London - QSI Points and Live Mileage List

Route R2 (Option 2)
 Service change 23518
 Date 3 November 2009

TRANCHE 545

Biggin Hill - Orpington

QSI Points are highlighted

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
ORPNWC	37348	Orpington Police Station		
	10690	Spur Road / Orpington War Memorial	252	0.16
	13953	Tubbenden Lane	557	0.35
ORPNSC	18951	Orpington Station	335	0.21
	18949	Pound Court Drive	574	0.36
	20133	Crofton Road/Crofton Lane	344	0.21
	18947	Oakwood Road/St Paul's Church	177	0.11
	20132	Glyndebourne Park	614	0.38
	18945	Crofton Road/Starts Hill Road	505	0.31
LBOTSM	18943	Locksbottom / St Michael's Church	318	0.20
	R0600	Keston Park Close	610	0.38
KESTMK	R0599	Croydon Road/The Keston Mark	419	0.26
	BP2381	Rushley Close	370	0.23
	40123	Rolinsden Way	292	0.18
	40125	Fishponds Road	241	0.15
	46127	Westerham Road / Keston Common	421	0.26
	40130	Westerham Road / Heathfield Road	322	0.20
KESTCH	40131	Downe Road / Keston Church	1136	0.71
	40133	Blackness Lane	415	0.26
	R0507	Leaves Green / Ashmore Lane	472	0.29
LEVGKA	40136	Leaves Green / The Kings Arms	383	0.24
	40139	Biggin Hill Airport / Passenger Terminal	488	0.30
	40142	Hanbury Drive	434	0.27
	40143	Main Road / Saltbox Hill	520	0.32
	40146	Main Road / Sunningvale Avenue	473	0.29
BIGHBH	40147	Biggin Hill / Black Horse	747	0.46
BIGHLG	40149	Biggin Hill Post Office	559	0.35
	40166	Norheads Lane / Stock Hill	639	0.40
	40167	Kings Road / Norheads Lane	373	0.23
	40168	Biggin Hill Valley	494	0.31
	H0174	Melody Road / Spring Gardens	558	0.35
	H0248	Melody Road / Sonnet Walk	146	0.09
BIGHEH	H1188	0	200	0.12
BIGHEH S	BIGHEH S	Biggin Hill Valley, East Hill	0	0.00
TOTAL ROUTE MILEAGE - OUT DIRECTION			14388 metres	8.94 miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BIGHEH S	BIGHEH S	Biggin Hill Valley, East Hill		
BIGHEH	H1188	0	0	0.00
	H0175	East Hill	97	0.06
	H0250	Sonnet Walk	152	0.09
	H0247	Spring Gardens	236	0.15
	H0458	Rosehill Road	238	0.15
	H0459	Rosehill Road	136	0.08
	H0460	Biggin Hill Valley	185	0.11
	H0461	Kings Road / Norheads Lane	182	0.11
	H0462	Norheads Lane	358	0.22
BIGHLG	40165	Biggin Hill Post Office	681	0.42
	40150	Maple Leaf Close	226	0.14
BIGHBH	40148	Biggin Hill / Black Horse	404	0.25
	40145	Main Road / Sunningvale Avenue	795	0.49
	40144	Main Road / Saltbox Hill	468	0.29
	40141	Hanbury Drive	373	0.23
	40140	Biggin Hill Airport / Passenger Terminal	369	0.23
LEVGKA	40135	Leaves Green / The Kings Arms	670	0.42
	40137	Leaves Green/Ashmore Lane	356	0.22
	40134	Blackness Lane	512	0.32
KESTCH	40132	Keston Church	650	0.40
	40129	Westerham Rd/Heathfield Rd	901	0.56
	40128	Westerham Rd/Keston Common	290	0.18
	40126	Fishponds Road	430	0.27
	40124	Rolinsden Way	309	0.19
	40122	Westerham Road / The Keston Mark	424	0.26
KESTMK	R0606	Croydon Road/The Keston Mark	142	0.09
	R0608	Keston Park Close	482	0.30
	R0615	Locksbottom / Farnborough Common	263	0.16
LBOTSM	18942	Locksbottom / St Michael's Church	299	0.19
	18944	Crofton Road / Starts Hill	370	0.23
	20099	Glyndebourne Park	418	0.26
	18946	Oakwood Road/St Paul's Church	607	0.38
	33231	Crofton Lane / Crofton Road	417	0.26
	18948	Pound Court Drive	275	0.17
ORPNSC	18950	Orpington Station	566	0.35
	18952	Tubbenden Lane	215	0.13
	12239	High Street / Orpington War Memorial	557	0.35
	40232	Orpington / Walnuts Centre	302	0.19
ORPNWC	37348	Orpington Police Station	48	0.03
TOTAL ROUTE MILEAGE - BACK DIRECTION			14403 metres	8.95 miles