

7. Service Specification

Route: R4

Contract Reference: QC54504

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	R4
Terminus Points	Paul's Cray Hill, Augustine Road and Locksbottom, Princess Royal University Hospital, South.
Contract Basis	Incentivised
Commencement Date	3 rd December 2016
Vehicle Type	45 capacity, single door, single deck, minimum 8.9m long
Current Maximum Approved Dimensions	8.8 metres long and 2.4 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard	Departing on Time - No less than 82.00%
Extension Threshold	Departing on Time Threshold - 88.00%
Minimum Operated Mileage Standard	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. R4.

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. R4.

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. R4:

Towards Paul's Cray Hill, Augustine Road - (Locksbottom) Starts Hill Road, Tubbenden Lane, Beechcroft Road, Southlands Avenue, Northlands Avenue, Tubbenden Drive, Tubbenden Lane, Chelsfield Lane, Renton Drive, Rookesley Road, Somerden Road, Waldenhurst Road, Cockmannings Road, Grigg's Cross, Chelsfield Road, Station Road, Main Road, Chalk Pit Avenue, Edmunds Avenue and Augustine Road.

Towards Locksbottom, Princess Royal University Hospital, South - (Paul's Cray) Augustine Road, Chalk Pit Avenue, Main Road, Station Road, Chelsfield Road, Grigg's Cross, Cockmannings Road, Waldenhurst Road, Somerden Road, Rookesley Road, Renton Road, Chelsfield Road, Tubbenden Lane, Tubbenden Drive, Northlands Avenue, Southlands Avenue, Beechcroft Road and Tubbenden 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

Paul's Cray Hill, Augustine Road to Locksbottom, Princess Royal University Hospital, South		Locksbottom, Princess Royal University Hospital, South to Paul's Cray Hill, Augustine Road			
First departure no later than 0550.		First departure no later than 0620.			
0545 - 1920	Every 20 minutes	0615 - 1940	Every 20 minutes		
1921 - 1945	Every 30 minutes	1941 - 2105	Every 30 minutes		
1946 - 2350	Every 60 minutes	2106 - 0010	Every 60 minutes		
Last departure no earlier than 2345.		Last departure no earlier than 0005.			
Pinchpoints					
Orpington Station	0725 - 0905	20 minutes	Orpington, War Memorial	0715 - 0915	20 minutes
	1455 - 1635	20 minutes		1500 - 1640	20 minutes

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

Paul's Cray Hill, Augustine Road to Locksbottom, Princess Royal University Hospital, South		Locksbottom, Princess Royal University Hospital, South to Paul's Cray Hill, Augustine Road			
First departure no later than 0550.		First departure no later than 0620.			
0545 - 1920	Every 20 minutes	0615 - 1840	Every 20 minutes		
1921 - 1945	Every 30 minutes	1841 - 2105	Every 30 minutes		
1946 - 2350	Every 60 minutes	2106 - 0010	Every 60 minutes		
Last departure no earlier than 2345.		Last departure no earlier than 0005.			
Pinchpoints					
Orpington Station	0925 - 1105	20 minutes	Orpington, War Memorial	0920 - 1100	20 minutes

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

Paul's Cray Hill, Augustine Road to Locksbottom, Princess Royal University Hospital, South		Locksbottom, Princess Royal University Hospital, South to Paul's Cray Hill, Augustine Road			
First departure no later than 0645.		First departure no later than 0705.			
0640 - 2350	Every 60 minutes	0700 - 0010	Every 60 minutes		
Last departure no earlier than 2345.		Last departure no earlier than 0005.			
Pinchpoints					
Orpington Station	1010 - 1210	60 minutes	Orpington, War Memorial	1020 - 1220	60 minutes

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. R4 can suffer unpredictable traffic delays in the Orpington area.
- 4.2) Smaller buses are used on Route No. R4 due to highway constraints in the Derry Downs 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 R4: Pauls Cray Hill - Locksbottom, Princess Royal University Hospital

Date of Structural Change: 3 December 2016.

Date of Service Change: 3 December 2016.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Locksbottom, Princess Royal University Hospital: Augustine Road, Chalk Pit Avenue, Main Road, Station Road, Mill Brook Road, St. Mary Cray High Street, Chelsfield Road, Grigg's Cross, Cockmannings Road, Waldenhurst Road, Somerden Road, Rookesley Road, Renton Drive, Chelsfield Lane, Petten Grove, Tintagel Road, Ramsden Road, Court Road (Orpington By-Pass), Orpington High Street, Orpington War Memorial, Station Road, Station Approach, Orpington Bus Station, Station Approach, Station Road, Tubbenden Lane, Tubbenden Drive, Northlands Avenue, Southlands Avenue, Beechcroft Road, Tubbenden Lane, Farnborough Way, Starts Hill Road, Crofton Road, Farnborough Common, Private Road In Princess Royal University Hospital.

Towards Pauls Cray Hill: Private Road In Princess Royal University Hospital, Farnborough Common, Crofton Road, Starts Hill Road, Farnborough Way, Tubbenden Lane, Beechcroft Road, Southlands Avenue, Northlands Avenue, Tubbenden Drive, Tubbenden Lane, Station Road, Station Approach, Orpington Bus Station, Station Approach, Station Road, Orpington War Memorial, Orpington High Street, Chislehurst Road, Goodmead Road, Perry Hall Road, Orpington High Street, Court Road (Orpington By-Pass), Ramsden Road, Tintagel Road, Petten Grove, Chelsfield Lane, Renton Drive, Rookesley Road, Somerden Road, Waldenhurst Road, Cockmannings Road, Grigg's Cross, Chelsfield Road, St. Mary Cray High Street, Mill Brook Road, Station Road, Main Road, Chalk Pit Avenue, Edmunds Avenue, Augustine 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.

PAULS CRAY HILL, AUGUSTINE ROAD

Public stand for 2 buses on west side of Augustine Road commencing 1 metre south of No.20 and extending 19 metres south.

Buses proceed from Augustine Road direct to stand, departing to Augustine Road. Set down in Augustine Road (H1153 - Hail & Ride Augustine Road, Last Stop on LOR: H1153 - Hail & Ride Augustine Road) and pick up in Augustine Road (H1153 - Hail & Ride Augustine Road, First Stop on LOR: H1153 - Hail & Ride Augustine Road).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route R4 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: Pauls Cray Hill.

COCKMANNINGS ESTATE, WALDENHURST ROAD (from LOCKSBOTTOM, PRINCESS ROYAL UNIVERSITY HOSPITAL)

Public stand for one bus on west side of Waldenhurst Road, between Somerden Road and Cockmannings Road.

Buses proceed from Waldenhurst Road direct to stand, departing via Waldenhurst Road, Cockmannings Road, Rookesley Road, Renton Drive and Chelsfield Lane to Petten Grove. Set down in Waldenhurst Road (H0199 - Hail & Ride Somerden Road, Last Stop on LOR: H0199 - Hail & Ride Somerden Road) and pick up in Petten Grove, at Stop P (BP3243 - Brow Crescent, First Stop on LOR: BP3243 - Brow Crescent).

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: Cockmannings.

RAMSDEN ESTATE, RYE CRESCENT (from LOCKSBOTTOM, PRINCESS ROYAL UNIVERSITY HOSPITAL)

Public stand for three buses on east side of Rye Crescent commencing 30 metres north of junction with Quilter Road and extending 35 metres north.

Buses proceed from Petten Grove via Rye Crescent to stand, departing via Rye Crescent, Quilter Road and Rye Crescent to Petten Grove. Set down in Petten Grove, at Stop D (40174 - Brow Crescent, Last Stop on LOR: 40174 - Brow Crescent) and pick up in Petten Grove, at Stop P (BP3243 - Brow Crescent, First Stop on LOR: BP3243 - Brow Crescent).

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: Ramsden Estate.

ORPINGTON, PERRY HALL ROAD (from LOCKSBOTTOM, PRINCESS ROYAL UNIVERSITY HOSPITAL)

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, Perry Hall Road.

ORPINGTON, GRAVEL PIT WAY

Public stand for two buses in bay on east side of Gravel Pit Way at Stop Q.

From Locksbottom, Princess Royal University Hospital.

Buses proceed from Orpington High Street via Homefield Rise and Gravel Pit Way to stand, departing via Gravel Pit Way, Spur Road and Orpington War Memorial to Station Road. Set down in Orpington High Street, at Stop R (12239 - High Street / Orpington War Memorial, Last Stop on LOR: 12239 - High Street / Orpington War Memorial) and pick up in Station Road, at Stop U (13953 - Tubbenden Lane, First Stop on LOR: 13953 - Tubbenden Lane).

From Pauls Cray Hill.

Buses proceed from Orpington High Street via Homefield Rise and Gravel Pit Way to stand, departing via Gravel Pit Way, Spur Road and Orpington War Memorial to Orpington High Street. Set down in Orpington High Street, at Stop U (12442 - Walnuts Centre, Last Stop on LOR: 12442 - Walnuts Centre) and pick up in Orpington High Street, at Stop R (12239 - High Street / Orpington War Memorial, First Stop on LOR: 12239 - High Street / Orpington War Memorial).

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, Walnuts Centre.

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.

From Locksbottom, Princess Royal University Hospital.

Buses proceed from Station Approach via Orpington Bus Station to stand, departing via Orpington Bus Station to Station Approach. Set down in Station Approach, at Stop G (R0398 - Orpington Station #, Last Stop on LOR: R0398 - Orpington Station #) and pick up in Station Approach, at Stop D (22398 - Orpington Bus Station #).

From Pauls Cray Hill.

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:	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 (from Pauls Cray Hill)

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

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.

LOCKSBOTTOM, PRINCESS ROYAL UNIVERSITY HOSPITAL, SOUTH

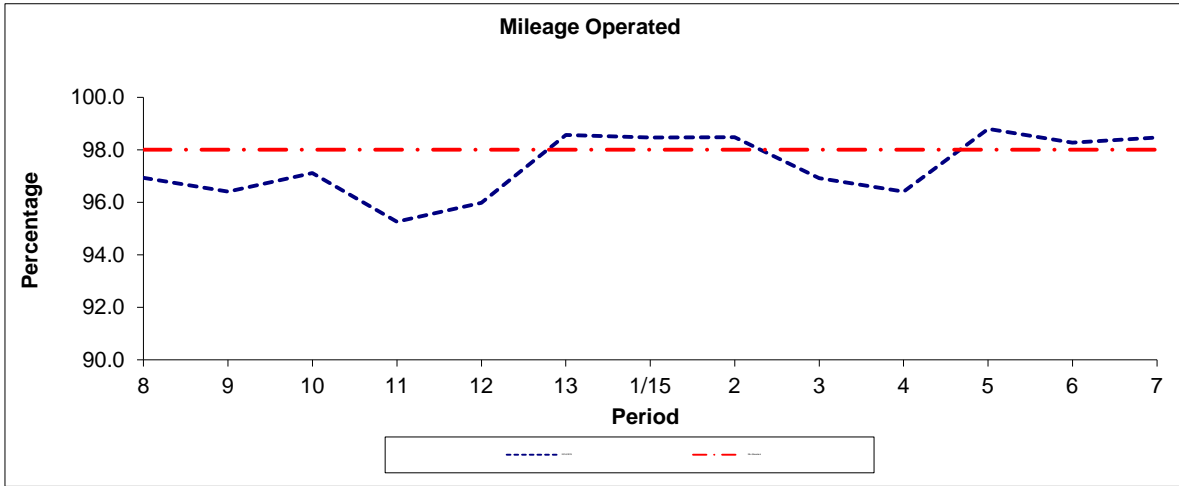
Private stand for 2 buses in grounds of Princess Royal University Hospital at southern end of private road in front of Hospital Entrance C and adjacent to staff car park No. 3.

Buses proceed from Private Road In Princess Royal University Hospital direct to stand, departing to Private Road In Princess Royal University Hospital. Set down in Private Road In Princess Royal University Hospital, at Stop HB (BP4333 - Princess Royal University Hospital, Last Stop on LOR: BP4333 - Princess Royal University Hospital) and pick up in Private Road In Princess Royal University Hospital, at Stop HB (BP4333 - Princess Royal University Hospital, First Stop on LOR: BP4333 - Princess Royal University Hospital).

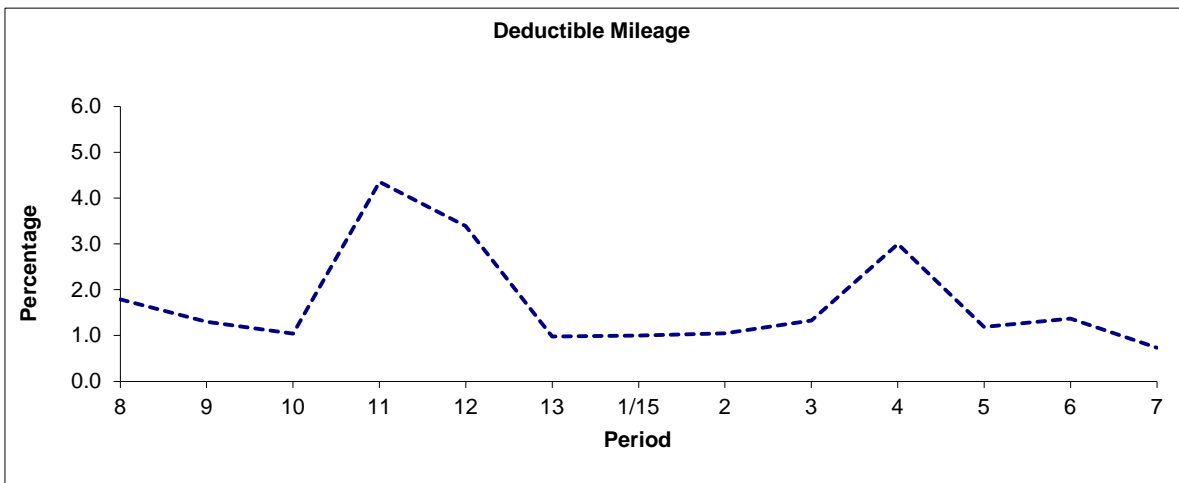
AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 1 bus on Route R4 should be scheduled to stand at any one time.
MEAL RELIEFS: No meal relief vehicles to stand at any time.
FERRY VEHICLES: No ferry vehicles to park on stand at any time.
BLIND DISPLAY: Princess Royal Hospital.

PART B - PERFORMANCE STATISTICS

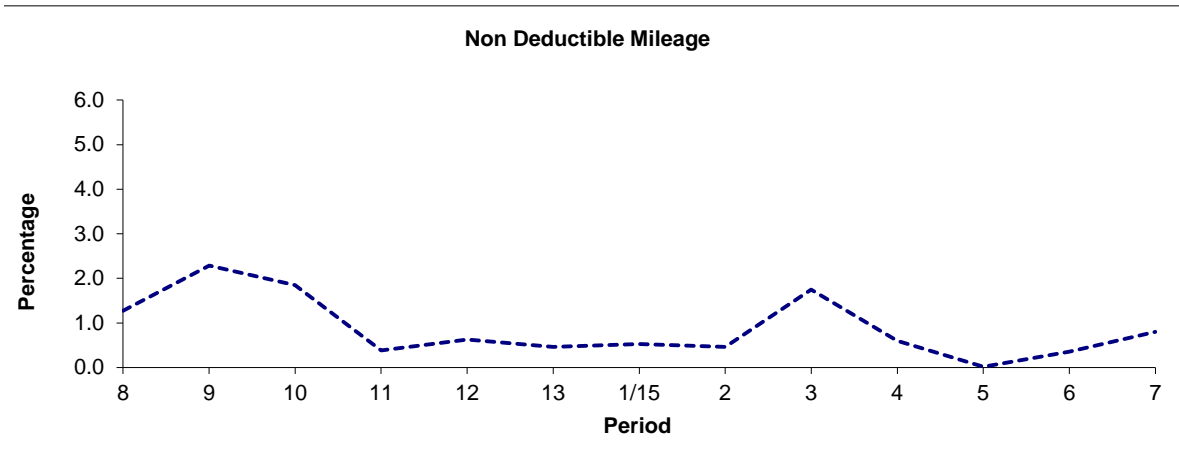
Route R4



Period	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	96.94	96.41	97.12	95.26	95.98	98.56	98.47	98.49	96.92	96.41	98.79	98.27	98.47
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	1.79	1.30	1.04	4.35	3.39	0.98	1.00	1.05	1.33	3.00	1.19	1.37	0.73

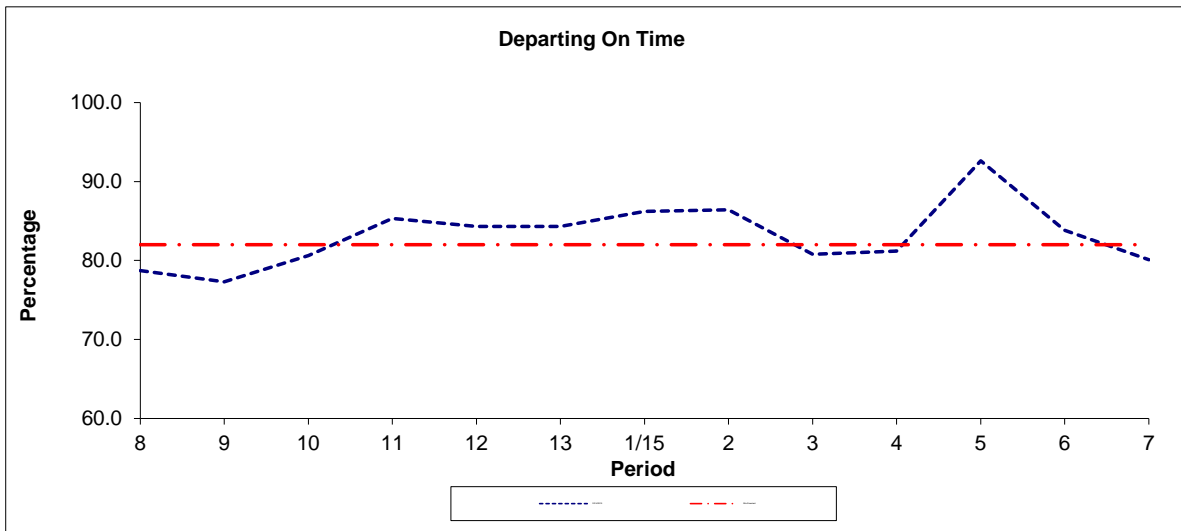


Period	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	1.28	2.29	1.84	0.38	0.63	0.46	0.53	0.46	1.75	0.60	0.02	0.36	0.80

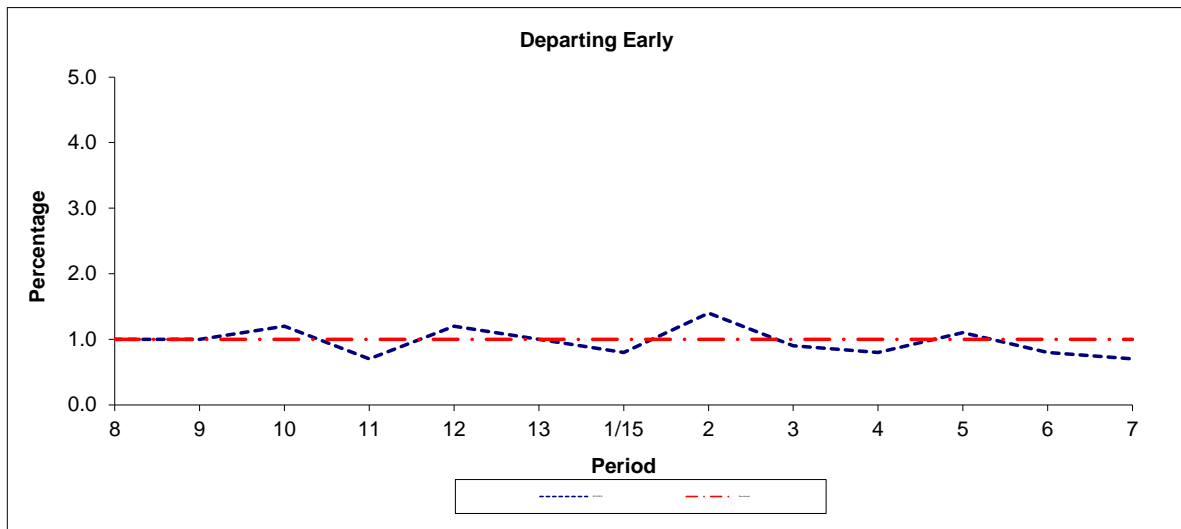
Note : Mileage is based on 4 weeks data
 Deductible Mileage was adversely affected by industrial action in periods 11 and 12 14/15.

PART B - PERFORMANCE STATISTICS

Route R4 (Both Options)



Period	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	78.7	77.3	80.6	85.3	84.3	84.3	86.2	86.4	80.8	81.2	92.6	83.8	80.1
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	8	9	10	11	12	13	1/15	2	3	4	5	6	7
2014/2015	1.00	1.00	1.20	0.70	1.20	1.00	0.80	1.40	0.90	0.80	1.10	0.80	0.70
Benchmark	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

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

**ROUTE R4 - 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	9,324.	8,630.	92.6	96.7	90.6	4.3	0.1	5.0
07:00 - 10:00	31,342.	30,669.	97.9	96.7	83.4	3.4	0.8	12.4
10:00 - 13:00	31,015.	30,464.	98.2	97.8	85.7	2.3	0.7	11.3
13:00 - 16:00	30,829.	29,764.	96.5	97.1	82.3	3.2	1.2	13.3
16:00 - 19:00	30,661.	30,051.	98.0	94.2	71.1	6.1	1.1	21.8
19:00 - 22:00	19,163.	19,205.	100.2	98.4	88.9	1.6	0.7	8.8
22:00 - 24:00	6,980.	6,990.	100.1	99.3	94.9	0.7	0.8	3.6
All Locations	159,314.	155,773.	97.8	96.8	82.0	3.5	0.9	13.6

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	1,863.	1,762.	94.6	97.7	93.1	2.1	0.2	4.6
07:00 - 10:00	6,841.	6,787.	99.2	98.4	95.5	1.8	0.7	2.0
10:00 - 13:00	6,413.	6,267.	97.7	98.1	82.4	2.0	1.2	14.4
13:00 - 16:00	6,536.	6,448.	98.7	97.7	82.7	2.4	1.2	13.7
16:00 - 19:00	6,653.	6,602.	99.2	99.3	93.9	0.7	1.3	4.1
19:00 - 22:00	3,797.	3,813.	100.4	99.0	90.0	1.1	1.5	7.5
22:00 - 24:00	1,456.	1,470.	101.0	99.9	97.2	0.1	1.2	1.4
All Locations	33,559.	33,149.	98.8	98.5	88.4	1.6	1.2	8.8

SUNDAY AND BANK HOLIDAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	253.	216.	85.4	98.4	85.9	2.2	0.0	11.9
07:00 - 10:00	2,483.	2,518.	101.4	98.8	92.3	1.4	0.2	6.0
10:00 - 13:00	2,485.	2,432.	97.9	97.0	86.4	3.1	1.6	8.9
13:00 - 16:00	2,520.	2,507.	99.5	96.7	86.1	3.3	1.4	9.2
16:00 - 19:00	2,603.	2,586.	99.3	98.0	86.9	1.9	1.1	10.2
19:00 - 22:00	2,535.	2,539.	100.2	98.8	94.0	1.2	1.2	3.6
22:00 - 24:00	1,641.	1,640.	99.9	99.6	96.6	0.4	1.7	1.3
All Locations	14,520.	14,438.	99.4	98.1	88.7	2.3	1.2	7.8

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	11,440.	10,608.	92.7	96.9	90.6	4.0	0.1	5.2
07:00 - 10:00	40,666.	39,974.	98.3	97.1	84.8	3.2	0.8	11.2
10:00 - 13:00	39,913.	39,163.	98.1	97.8	85.2	2.3	0.9	11.5
13:00 - 16:00	39,885.	38,719.	97.1	97.2	82.8	3.1	1.2	12.9
16:00 - 19:00	39,917.	39,239.	98.3	95.3	75.2	5.1	1.1	18.6
19:00 - 22:00	25,495.	25,557.	100.2	98.5	89.7	1.4	0.9	8.0
22:00 - 24:00	10,077.	10,100.	100.2	99.5	95.5	0.6	1.0	3.0
All Locations	207,393.	203,360.	98.1	97.2	83.4	3.2	1.0	12.4

Transport for London - QSI Points and Live Mileage List

v2.0 - Mileage directly imported from Caesar

TRANCHE 545

Route R4 (Option1)

Service change 25791

Date 03/12/2011

Reason for Issue

New Contract

QSI Points are highlighted

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
PCHLAR	H1153	Augustine Road		
	HC7	Hail & Ride Section	1009	0.63
SMCYVL	R0394	Mill Brook Road	197	0.12
	37359	Blacksmiths Lane	271	0.17
	40212	The Temple	349	0.22
	40210	Reynolds Cross / Red Lion	250	0.16
	H0470	Audley Walk	242	0.15
CCKMRR	OC616	Rookesley Road	576	0.36
	HC8	Hail & Ride Section	1450	0.90
RAMERC	BP3243	Brow Crescent	298	0.19
	BP3244	Ramsden Road	228	0.14
	BP1250	Tintagel Road	165	0.10
	BP1253	Dyke Drive	176	0.11
	BP1254	Ramsden Road / Court Road	214	0.13
	BP1255	Court Road / Green Lane	369	0.23
ORPNCP	35743	High Street / Carlton Parade	275	0.17
	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
	R0398	Orpington Station	219	0.14
ORPNSN	26966	Orpington Bus Station		
	H1271	Curzon Road		
	H1125	Tubbenden Drive	226	0.14
	H1126	Borkwood Way	87	0.05
NLAVHR	H1127	Harley Gardens	177	0.11
	H1128	South Drive	351	0.22
	H1129	Downsway	300	0.19
FRNBTL	H1130	Beechcroft Road	236	0.15
	HC9	Hail & Ride Section	83	0.05
FRNBWY	37351	Farnborough Way	508	0.32
	HC10	Hail & Ride Section	1474	0.92
	18945	Crofton Road / Starts Hill Road	163	0.10
LBOTSM	18943	Locksbottom / St Michael's Church	318	0.20
LBOTHPS	BP4333	Princes Royal University Hospital	598	0.37
Total Route Mileage - Out Direction			13921	8.65
			Metres	Miles

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
LBOTHPS	BP4333	Princes Royal University Hospital		
LBOTSM	18942	Locksbottom / St Michael's Church	521	0.32
	18944	Crofton Road / Starts Hill Road	370	0.23
	HC11	Hail & Ride Section	1034	0.64
FRNBWY	R0504	Farnborough Way	563	0.35
FRNBTL	H1120	Beechcroft Road	565	0.35
	H1121	Downsway	245	0.15
	H1122	South Drive	237	0.15
NLAVHR	H1123	Harley Gardens	353	0.22
	H1124	Borkwood Way	175	0.11
	HC12	Hail & Ride Section	1311	0.81
	R0398	Orpington Station	379	0.24
ORPNSN	22398	Orpington Bus Station		
	18952	Tubbenden Lane		
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
ORPNCP	12445	Carlton Parade	382	0.24
	BP1246	Court Road / Green Lane	238	0.15
	BP1247	Ramsden Road / Kynaston Road	363	0.23
	BP1348	Dyke Drive	213	0.13
	40175	Ramsden Road	282	0.18
RAMERC	40174	Brow Crescent	251	0.16
	H0199	Walden Road	1308	0.81
CCKMRR	OC664		474	0.29
	H0197	Rutland Way	235	0.15
	HC13	Hail & Ride Section	349	0.22
	40209	Reynolds Cross / Red Lion	178	0.11
	40211	The Temple	235	0.15
	R0397	Blacksmiths Lane	369	0.23
SMCYVL	BP3237	Station Road	348	0.22
	HC14	Hail & Ride Section	1391	0.86
PCHLAR	H1153	Augustine Road	74	0.05
Total Route Mileage - Back Direction			14384	8.94
			Metres	Miles