

7. Service Specification

Route: 492

Contract Reference: QC50603

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	492
Terminus Points	Sidcup Station, Jubilee Way and Bluewater Bus Station
Contract Basis	Incentivised
Commencement Date	23 rd January 2016
Vehicle Type	87 capacity, dual door, double deck buses
Current Maximum Approved Dimensions	10.2 metres long and 2.55 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 78.00%
Extension Threshold	Departing on Time Threshold - 82.00%
Minimum Operated Mileage Standard	No less than 98.00%

The Date of Tender for this ITT is: No later than 12 Noon on Monday 2nd March 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, the Corporation expects to implement a change to the existing service prior to the commencement of the new Route Agreement for Route No. 492.

- Subject to confirmation, it is expected that the special Christmas Saturdays and Sundays reliability schedules specified below will be introduced from Christmas 2015.
- The special Christmas Saturdays reliability schedule would operate on 28th November and 5th, 12th, 19th, 24th, 29th, 30th and 31st December 2015.
- The special Christmas Sundays reliability schedule would operate on 29th November and 6th, 13th and 20th December 2015.

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:

- Special Christmas Saturdays and Sundays reliability schedules with an additional bus to increase running time are specified to mitigate shopping traffic delays in the run up to and over the Christmas period.
- A special Christmas Saturdays reliability schedule is specified to operate on the four Saturdays before Christmas and on the weekdays over the Christmas period (i.e. the days on which a Saturday level of service operates).
- A special Christmas Sundays reliability schedule is specified to operate on the four Sundays before Christmas.
- Tenderers are asked to confirm where the additional vehicle (which should be to LBSL specification) will be sourced from.
- The special Christmas Saturdays and Sundays reliability schedules apply to **four Saturdays and four Sundays for each year of the contract. In addition, the weekday dates of operation** for the special Christmas Saturdays reliability schedule for each year of the contract are as follows:

2016 - 28th, 29th & 30th December (3 days)

2017 - 27th, 28th & 29th December (3 days)

2018 - 24th, 27th, 28th & 31 December (4 days)

2019 - 24th, 27th, 30th and 31st December (4 days)

2020 - 24th, 29th, 30th and 31st December (4 days)

- **Tenderers must identify the cost of the special Christmas Saturdays reliability schedule separately.**
- **Tenderers must identify the cost of the special Christmas Sundays reliability schedule separately.**

Requirements for Registration:

The section of Route No. 492 between Bluewater Shopping Centre and the Kent County Boundary at Chastilian Road (near the junction of Station Road) will need to be registered with the Traffic Commissioner for the London and the South East of England 56 days before the operation commences. The registration should be sent to:

Office of the Traffic Commissioner
(London and the South East of England)
Hillcrest House
386 Harehills Lane
Leeds
LS9 6NF

Copies of the registration should be sent to:

Transport Integration
Kent County Council
PO Box 441
Aylesford
Kent
ME6 9HJ

and to:

Bus and Coach Licensing Team
Consultation
TfL Surface Transport
11th Floor, Zone G8
Palestra
197 Blackfriars Road
London
SE1 8NJ
e-mail: lsp@tfl.gov.uk

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

Tenderers are also encouraged to offer two axle vehicles with a longer wheelbase and increased capacity, subject to route constraints. Tenders offering such vehicles will be welcomed and carefully considered by the Corporation. Triaxle vehicles are not being considered by the Corporation at this time.

Tenderers should note that if they are supplying an alternative price based on using existing vehicles, these must be refurbished in line with the revised specification dated 1st March 2014. This applies to all contracts awarded from Tranche 471 onwards.

2) NOTES

Operators should provide the following prices:

- 1. Annual diesel price - based on minimum 5 year contract.**
- 2. Annual hybrid price - based on minimum 5 year contract.**
- 3. Annual hybrid price - with upfront payment of capital difference between diesel and hybrid for 5 year contract.**

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

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE AND SPECIAL CHRISTMAS SATURDAYS RELIABILITY SCHEDULE REQUIREMENTS & PINCHPOINTS

Sidcup Station, Jubilee Way to Bluewater Bus Station		Bluewater Bus Station to Sidcup Station, Jubilee Way			
First departure no later than 0630.		First departure no later than 0530.			
0625 - 2015	Every 30 minutes	0525 - 2015	Every 30 minutes		
2016 - 0020	Every 60 minutes	2016 - 0020	Every 60 minutes		
Last departure no earlier than 0015.		Last departure no earlier than 0015.			
Pinchpoints					
Dartford Station, Home Gardens	0710 - 0910	30 minutes	North Cray, Ellenborough Road	0715 - 0915	30 minutes
	1500 - 1630	30 minutes		1500 - 1630	30 minutes

Tenderers must identify the cost of the special Christmas Saturdays reliability schedule separately.

3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE AND SPECIAL CHRISTMAS SATURDAYS RELIABILITY SCHEDULE REQUIREMENTS & PINCHPOINTS

Sidcup Station, Jubilee Way to Bluewater Bus Station		Bluewater Bus Station to Sidcup Station, Jubilee Way			
First departure no later than 0630.		First departure no later than 0530.			
0625 - 2015	Every 30 minutes	0525 - 1915	Every 30 minutes		
2016 - 0020	Every 60 minutes	1916 - 0020	Every 60 minutes		
Last departure no earlier than 0015.		Last departure no earlier than 0015.			
Pinchpoints					
Dartford Station, Home Gardens	0845 - 1115	30 minutes	North Cray, Ellenborough Road	0840 - 1140	30 minutes

Tenderers must identify the cost of the special Christmas Saturdays reliability schedule separately.

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

Sidcup Station, Jubilee Way to Bluewater Bus Station		Bluewater Bus Station to Sidcup Station, Jubilee Way			
First departure no later than 0805.		First departure no later than 0755.			
0800 - 2015	Every 30 minutes	0750 - 0855	Every 60 minutes		
2016 - 0020	Every 60 minutes	0856 - 2015	Every 30 minutes		
		2016 - 0020	Every 60 minutes		
Last departure no earlier than 0015.		Last departure no earlier than 0015.			
Pinchpoints					
Dartford Station, Home Gardens	0950 - 1150	30 minutes	North Cray, Ellenborough Road	1010 - 1140	30 minutes

Tenderers must identify the cost of the special Christmas Sundays reliability schedule separately.

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

4) OPERATIONAL CONSIDERATIONS

- 4.1) Route No. 492 can suffer from unpredictable traffic delays in the Woolwich and Bexleyheath areas.
- 4.2) Congestion around Bluewater can be particularly heavy in the Christmas shopping period and Tenderers should submit separate proposals to improve schedule robustness in that period.

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 492: Sidcup Station - Bluewater, Shopping Centre

Date of Structural Change: 23 January 2016.

Date of Service Change: 23 January 2016.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Bluewater, Shopping Centre: Jubilee Way, Faraday Avenue, Hatherley Crescent, Station Road, Sidcup High Street, Sidcup Hill, Foots Cray High Street, Maidstone Road, North Cray Road, Bexley High Street, Bourne Road, Gravel Hill, Bexleyheath Broadway, Arnsberg Way, Geddes Place, Mayplace Road West, Mayplace Road East, Manor Road, Old Road, Crayford High Street, Crayford Road, Station Road, Chastilian Road, Princes Road, Shepherds Lane, West Hill, Highfield Road North, Westgate Road, Home Gardens, East Hill, The Brent, London Road, St Clements Way, Bluewater Parkway, Lime Tree Avenue, Bluewater Access Road, Bluewater Bus Station.

Towards Sidcup Station: Bluewater Bus Station, Bluewater Access Road, Bluewater Parkway, St Clements Way, London Road, The Brent, East Hill, Dartford High Street, Market Street, Market Street (North Side), Market Street, Lowfield Street, Instone Road, Highfield Road, West Hill, Shepherds Lane, Princes Road, Chastilian Road, Station Road, Crayford Road, Roman Way, London Road, Crayford High Street, Old Road, Manor Road, Mayplace Road East, Mayplace Road West, Market Place, Friswell Place, Arnsberg Way, Bexleyheath Broadway, Gravel Hill, Bourne Road, Bexley High Street, North Cray Road, Maidstone Road, Foots Cray High Street, Sidcup Hill, Sidcup High Street, Station Road, Hatherley Crescent, Faraday Avenue, Jubilee Way, Bus Turning Circle, Jubilee 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.

SIDCUP STATION, JUBILEE WAY

Public stand for two buses on north side of Jubilee Way, commencing 24 metres east of the station car park entrance and extending 22 metres west.

Buses proceed from Jubilee Way via Bus Turning Circle and Jubilee Way to stand, departing to Jubilee Way. Set down in Jubilee Way, at Stop E (35756 - Sidcup Station #, Last Stop on LOR: 36002 - Sidcup Station #) and pick up in Jubilee Way, at Stop F (BP2296 - Sidcup Station #, First Stop on LOR: BP2296 - Sidcup Station #).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route 492 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:	Sidcup Station.

FOOTS CRAY, CRAY ROAD (from BLUEWATER, SHOPPING CENTRE)

Public stand for two buses on west side of Cray Road, commencing 18 metres south of centre line of Suffolk Road at party wall of nos. 43/45 and extending 30 metres southwards. Buses proceed from Foots Cray High Street via Cray Road to stand, departing via Cray Road to Foots Cray High Street. Set down in Foots Cray High Street, at Stop FM (BP942 - Five Arches Business Estate, Last Stop on LOR: BP942 - Five Arches Business Estate) and pick up in Foots Cray High Street, at Stop FC (18923 - Rectory Lane, First Stop on LOR: 18923 - Rectory 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:	Foots Cray.

BEXLEY VILLAGE, BOURNE ROAD

From Bluewater, Shopping Centre.

Buses proceed from Bourne Road via Bexley High Street, North Cray Road and Bexley High Street departing to Bourne Road. Set down in Bourne Road, at Stop G (16696 - Bexley Library, Last Stop on LOR: 16696 - Bexley Library) and pick up in Bourne Road, at Stop F (16695 - Bexley Library, First Stop on LOR: 16695 - Bexley Library).

From Sidcup Station.

Buses proceed from Bourne Road departing to Bourne Road. Set down in Bourne Road, at Stop H (14378 - Hartford Road, Last Stop on LOR: 14378 - Hartford Road) and pick up in Bourne Road, at Stop J (14379 - Hartford Road, First Stop on LOR: 14379 - Hartford Road).

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

BEXLEYHEATH SHOPPING CENTRE, GEDDES PLACE (from BLUEWATER, SHOPPING CENTRE)

Private stand for three buses in marked bays in parking area between Geddes Place and Arnsberg Way, commencing at east kerb line of Geddes Place.

Buses proceed from Mayplace Road West via Arnsberg Way and Geddes Place South Bay to stand, departing via Geddes Place South Bay and Geddes Place to Mayplace Road West. Set down in Geddes Place South Bay, at Alighting Point (40020 - Geddes Place, Last Stop on LOR: 29545 - Tower Road) and pick up in Mayplace Road West, at Stop S (29461 - Mayplace Rd West / Bexleyheath Clock Twr, First Stop on LOR: 29461 - Mayplace Rd West / Bexleyheath Clock Twr).

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: Bexleyheath, Shopping Centre.

CRAYFORD, ROMAN WAY

Public stand for one bus on south east side of Roman Way (formerly Stadium Road), in rear of bay alongside Sainsbury's car park, commencing at a point 85 metres south west of the centre line of Crayford Road.

From Bluewater, Shopping Centre.

Buses proceed from Roman Way direct to stand, departing via Roman Way and London Road to Crayford Road. Set down in Roman Way, at Alighting Point (R0075 - Crayford Bridge / Sainsbury's, Last Stop on LOR: 37371 - Crayford Bridge / Sainsbury's) and pick up in Crayford Road, at Stop D (28236 - Crayford Bridge, First Stop on LOR: 28236 - Crayford Bridge).

From Sidcup Station.

Buses proceed from Roman Way direct to stand, departing to Roman Way. Set down in Roman Way, at Alighting Stop (R0075 - Crayford Bridge / Sainsbury's and pick up in Roman Way, at Stop N (37371 - Crayford Bridge / Sainsbury's, First Stop on LOR: 37371 - Crayford Bridge / Sainsbury's).

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:	Crayford.

DARTFORD, HOME GARDENS (from Sidcup Station)

Public stand for one bus on north side of Home Gardens, between bus stops C and D. Buses proceed from Home Gardens direct to stand, departing via Home Gardens, Dartford High Street and Market Street to Market Street (North Side). Set down in Home Gardens, D (BP3355 - Dartford Station #, Last Stop on LOR: BP3355 - Dartford Station #) and pick up in Market Street (north Side), L (BP3354 - Market Street, First Stop on LOR: BP3354 - Market Street).

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:	Dartford.
OTHER INFORMATION:	-Buses must use front of bay only.

DARTFORD, INSTONE ROAD (from BLUEWATER, SHOPPING CENTRE)

Buses proceed from Instone Road via Highfield Road, Highfield Road North and Westgate Road departing to Home Gardens. Set down in Instone Road, at Stop R (BP3357 - Instone Road, Last Stop on LOR: BP3357 - Instone Road) and pick up in Home Gardens, at Stop D (BP3355 - Dartford Station #, First Stop on LOR: BP3355 - Dartford Station #).

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

BLUEWATER BUS STATION

Private stand for eight buses shared with Kent County Council and Arriva commercial services in centre of bus station in Bluewater Bus Station.

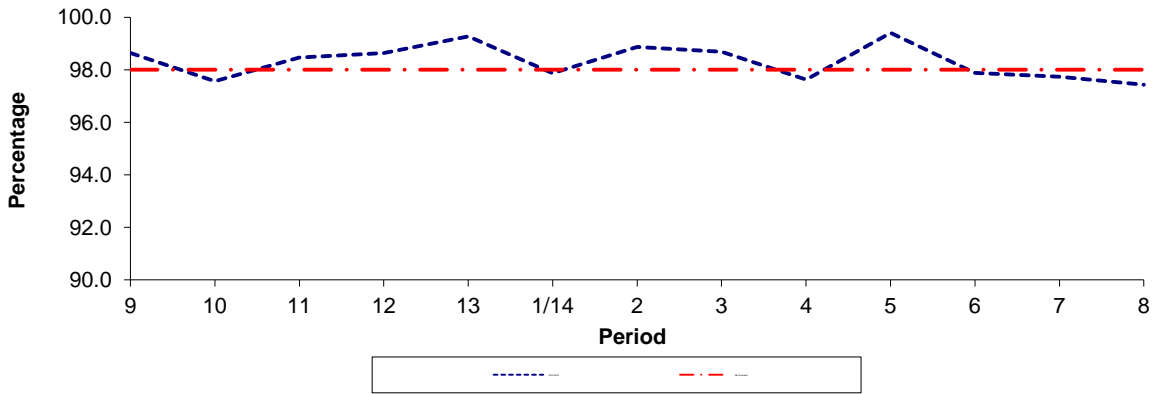
Buses proceed from Bluewater Bus Station direct to stand, departing to Bluewater Bus Station. Set down in Bluewater Bus Station, at Stop 7 (OC741 - Bluewater Shopping Centre, Last Stop on LOR: OC741 - Bluewater Shopping Centre) and pick up in Bluewater Bus Station, at Stop 10 (OC459 - Bluewater Shopping Centre, First Stop on LOR: OC459 - Bluewater Shopping Centre).

AVAILABILITY: At any time.
OPERATING RESTRICTIONS: No more than 2 buses on Route 492 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: Bluewater.

PART B - PERFORMANCE STATISTICS

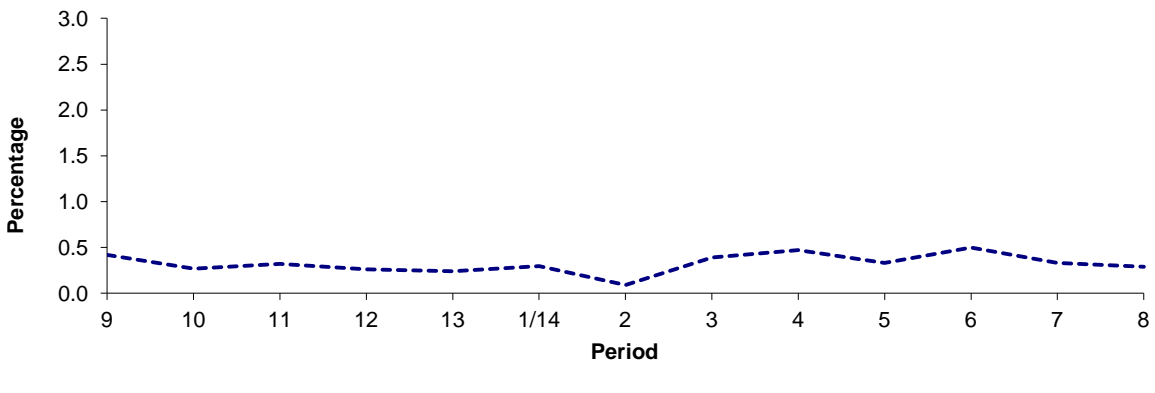
Route 492

Mileage Operated



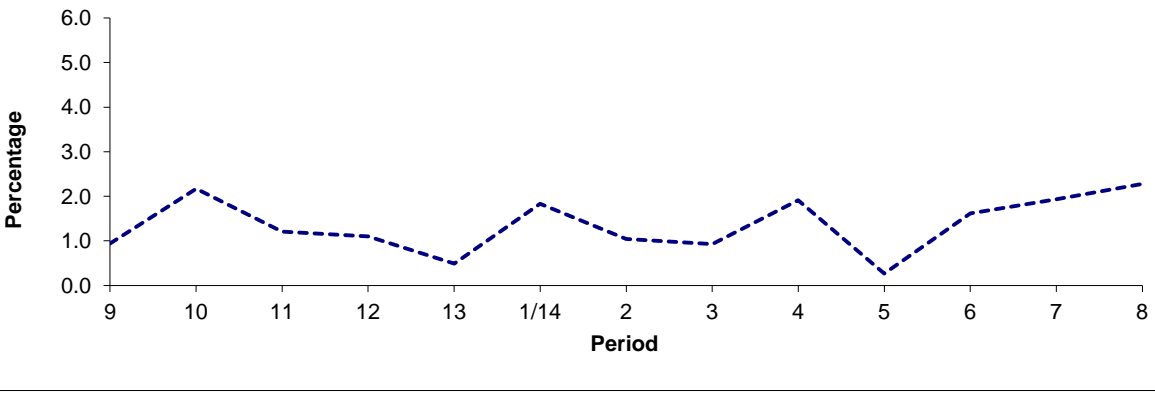
Period	9	10	11	12	13	1/14	2	3	4	5	6	7	8
2013/2014	98.64	97.56	98.47	98.64	99.27	97.87	98.87	98.68	97.62	99.40	97.88	97.74	97.43
Min Standard	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00

Deductible Mileage



Period	9	10	11	12	13	1/14	2	3	4	5	6	7	8
2013/2014	0.42	0.27	0.32	0.26	0.24	0.30	0.09	0.39	0.47	0.33	0.50	0.33	0.29

Non Deductible Mileage

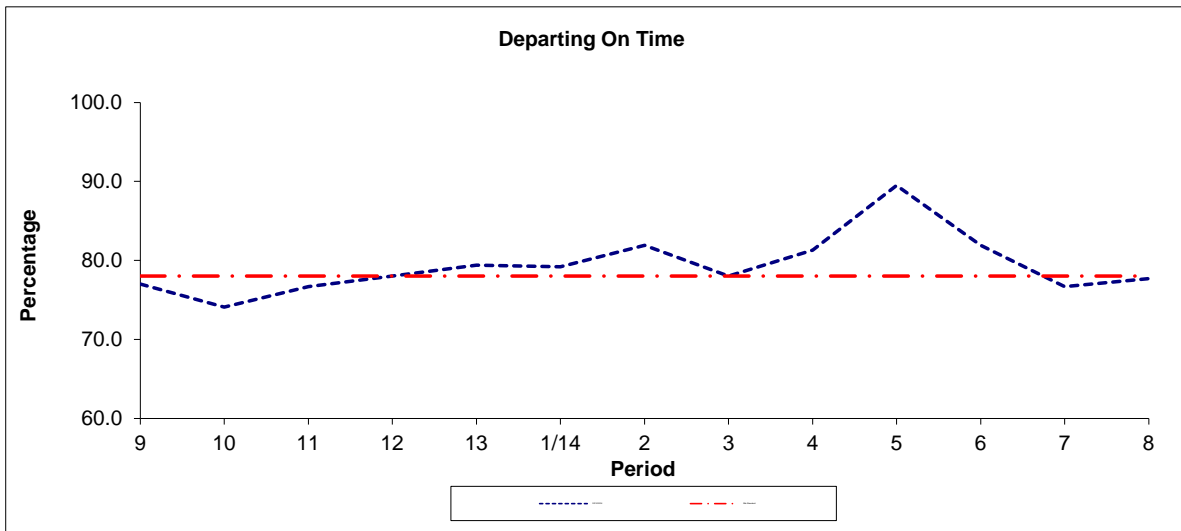


Period	9	10	11	12	13	1/14	2	3	4	5	6	7	8
2013/2014	0.94	2.17	1.21	1.10	0.49	1.83	1.04	0.93	1.91	0.27	1.62	1.93	2.28

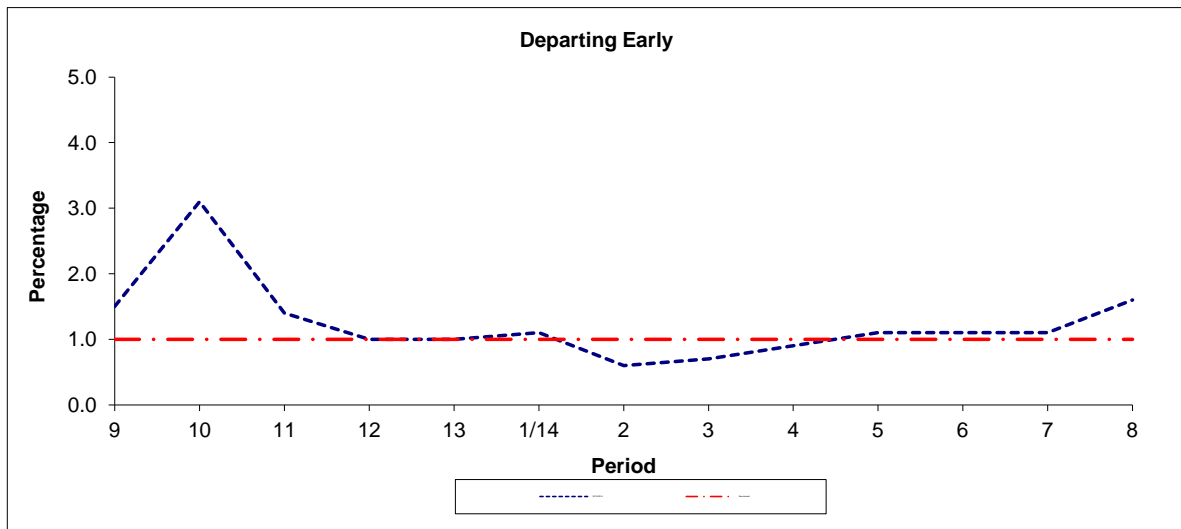
Note : Mileage is based on 4 weeks data

PART B - PERFORMANCE STATISTICS

Route 492



Period	9	10	11	12	13	1/14	2	3	4	5	6	7	8
2013/2014	77.0	74.1	76.7	78.0	79.4	79.2	81.9	78.0	81.3	89.5	81.9	76.7	77.7
Min Standard	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0



Period	9	10	11	12	13	1/14	2	3	4	5	6	7	8
2013/2014	1.5	3.1	1.4	1.0	1.0	1.1	0.6	0.7	0.9	1.1	1.1	1.1	1.6
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 492 - FULL iBUS RESULTS BY TIME OF DAY
 QUARTER 3 13/14 TO QUARTER 2 14/14 (14/09/13 - 12/09/14)**

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	8,778.	96.0	99.2	90.4	0.7	0.2	8.7
0700 - 1000	30,108.	99.5	98.0	79.9	2.1	1.5	16.5
1000 - 1300	29,113.	98.3	98.3	82.8	1.8	0.9	14.5
1300 - 1600	29,561.	99.0	97.3	79.7	3.0	1.3	16.0
1600 - 1900	30,164.	94.9	92.8	67.3	7.7	1.9	23.2
1900 - 2200	23,386.	99.7	94.3	75.5	5.8	1.0	17.7
2200 - 2400	9,839.	102.0	98.5	88.9	1.5	0.7	9.0
Summary	160,949.	98.3	96.5	77.5	3.9	1.3	17.3

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	1,524.	102.8	99.6	97.5	0.5	1.1	0.9
0700 - 1000	6,115.	97.8	99.1	86.3	1.0	0.6	12.1
1000 - 1300	5,786.	97.7	97.9	83.2	2.1	1.4	13.4
1300 - 1600	5,931.	99.3	95.3	75.1	4.9	2.2	17.8
1600 - 1900	6,325.	98.1	98.6	89.2	1.5	1.1	8.1
1900 - 2200	4,177.	100.2	97.1	78.1	3.0	0.8	18.1
2200 - 2400	1,975.	102.4	99.5	90.4	0.5	0.9	8.2
Summary	31,833.	99.0	97.8	82.8	2.6	1.3	13.3

SUNDAY AND 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	31.	103.2	100.0	100.0	0.0	0.0	0.0
0700 - 1000	3,419.	99.2	99.0	93.8	1.2	0.6	4.4
1000 - 1300	6,478.	97.8	97.9	87.1	2.3	0.6	10.0
1300 - 1600	6,481.	99.7	96.7	79.5	3.5	1.2	15.8
1600 - 1900	6,753.	99.1	98.6	89.4	1.4	0.9	8.2
1900 - 2200	4,964.	99.6	99.2	92.4	0.8	1.2	5.7
2200 - 2400	2,189.	100.8	99.4	95.9	0.6	1.6	1.9
Summary	30,315.	99.2	98.2	87.8	1.9	1.0	9.3

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	10,333.	97.0	99.3	91.2	0.7	0.3	7.8
0700 - 1000	39,642.	99.2	98.3	81.1	2.0	1.4	15.6
1000 - 1300	41,377.	98.1	98.2	83.3	1.9	0.9	13.8
1300 - 1600	41,973.	99.1	96.9	79.0	3.3	1.4	16.3
1600 - 1900	43,242.	96.0	94.5	71.6	6.5	1.7	20.2
1900 - 2200	32,527.	99.7	95.4	77.7	4.9	1.0	16.4
2200 - 2400	14,003.	101.9	98.8	90.0	1.3	0.8	7.9
Summary	223,097.	98.5	96.9	79.1	3.6	1.3	16.1

Transport for London - QSI Points and Live Mileage List

Route 492
 Service change 34081
 Date 03/09/2013

Reason for Issue

QSI Points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
SIDCSNJ	BP2296	Sidcup Station		
	25696	Hatherley Crescent / Sidcup Station	243	0.15
	15183	Station Road / Crescent Road	325	0.20
SIDCPS	16653	Sidcup High Street / Station Road	511	0.32
	25480	Church Road	406	0.25
	3930	Knoll Road	470	0.29
	20320	Middleton Avenue	353	0.22
FOOTPO	18923	Rectory Lane	270	0.17
	3375	Five Arches Business Estate	166	0.10
	24637	Palm Avenue	215	0.13
	29286	Ruxley Corner	176	0.11
	24132	Barton Road	307	0.19
NTHCER	21820	Ellenborough Road	466	0.29
	6002	Parsonage Lane / North Cray Church	779	0.48
	14377	Bunkers Hill / The White Cross	586	0.36
	21822	Mount Mascall Farm	597	0.37
	21826	North Cray Road / Vicarage Road	522	0.32
BXLYLB	16695	Bexley Library	639	0.40
	14378	Hartford Road	289	0.18
	34278	Gravel Hill Close	672	0.42
	14380	Broomfield Road	376	0.23
	13510	Halcot Avenue	179	0.11
	6323	Bexleyheath / Civic Centre	446	0.28
BEXHSC	29461	Mayplace Rd West / Bexleyheath Clock Tow	381	0.24
	6279	Forrester's Crescent	334	0.21
	23609	Mayplace Road East / Pinnacle Hill	222	0.14
	23607	Mayplace Road East / Barnehurst Road	388	0.24
	23605	Mayplace Road East / Manor Way	470	0.29
	23603	Woodside Road	306	0.19
	21697	Manor Road / Manor Close	228	0.14
	40050	Old Road / Perry Street	402	0.25
	40052	Crayford High Street	363	0.23
CRAYPO	28236	Crayford Bridge	165	0.10
	23118	Crayford Town Hall	120	0.07
	23116	Crayford Station	365	0.23
	23355	Royston Road	178	0.11
	23114	Station Road / Chastilian Road	234	0.15
	60002	North Road	326	0.20
CHASSR	60004	Seaton Road	355	0.22
	60005	Princes Road	455	0.28
	BP3293	Shepherds Lane / Havelock Road	306	0.19
	BP3292	Somerset Road	355	0.22
	BP3294	Dartford Grammar School For Girls	221	0.14
	BP3295	Dartford Grammar School For Boys	279	0.17
	28178	West Hill / Shepherds Lane	198	0.12
	6360	Priory Hill	192	0.12
DARTHG	BP3355	Dartford Station	685	0.43
	BP3353	Hanau Bridge	300	0.19
	OC720	Livingston Hospital	627	0.39
	OC722	Park Road	297	0.18
	OC440	The Brent	213	0.13
	OC441	Brentfield Road	105	0.07
	OC725	Milestone Road	350	0.22
	OC735	Stone House Hospital	330	0.21
	OC442	Welsh Tavern	262	0.16
	OC726	Elm Road	757	0.47
HRNXBL	OC727	The Bull	270	0.17
	OC728	Winston Close	459	0.29
	OC729	Waterstone Park	547	0.34
BLUEBS	OC741	Bluewater Shopping Centre	1808	1.12
Total Route Mileage - Out Direction			22846	14.20
			Metres	Miles

TRANCHE 506**End of Bexleyheath Diversion**

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BLUEBS	OC459	Bluewater Shopping Centre		
	OC730	London Road / Waterstone Park	2069	1.29
	OC731	Winston Close	381	0.24
HRNXBL	OC732	The Bull	518	0.32
	OC733	Elm Road	249	0.15
	OC734	Welsh Tavern	703	0.44
	OC437	Brent School	380	0.24
	OC438	Milestone Road	329	0.20
	OC723	Brentfield Road	296	0.18
	OC439	St Vincents Road	239	0.15
	OC724	Park Road	157	0.10
	OC721	Livingston Hospital	276	0.17
DARTMS	BP3354	Market Street	738	0.46
DARTIR	BP3357	Instone Road	319	0.20
	BP3356	Dartford Magistrates Court	342	0.21
	20835	West Hill / Shepherds Lane	394	0.24
	BP3297	Dartford Grammar School For Boys	197	0.12
	BP3296	Dartford Grammar School For Girls	349	0.22
	BP3299	Somerset Road	211	0.13
	BP3298	Shepherds Lane / Havelock Road	248	0.15
	60006	Princes Road	411	0.26
CHASSR	60003	Seaton Road	423	0.26
	60001	Chastilian Road / North Road	352	0.22
	23115	Chastilian Road / Station Road	212	0.13
	23354	Royston Road	271	0.17
	23117	Crayford Station	257	0.16
CRAYTH	6347	Crayford Town Hall	323	0.20
	37371	Crayford Bridge / Sainsbury's	165	0.10
	40051	Crayford High Street	383	0.24
	23602	Old Road / Perry Street	350	0.22
	23698	Manor Road / Manor Close	330	0.21
	23604	Woodside Road	365	0.23
	23606	Mayplace Road East / Manor Way	352	0.22
	23608	Mayplace Road East / Barnehurst Road	358	0.22
	23610	Mayplace Road East / Pinnacle Hill	242	0.15
	23611	Erith Road	217	0.13
	29545	Tower Road	247	0.15
BEXHSC	11121	Market Place / Bexleyheath Clock Tower	277	0.17
	6324	Bexleyheath / Civic Centre	578	0.36
	16697	Halcot Avenue	393	0.24
	14381	Broomfield Road	176	0.11
	34277	Gravel Hill Close	426	0.26
	14379	Hartford Road	604	0.38
BXLYLB	16696	Bexley Library	298	0.19
	6001	North Cray Road / Vicarage Road	448	0.28
	21823	Mount Mascal Farm	741	0.46
	14376	Bunkers Hill / The White Cross	679	0.42
	R0481	Parsonage Lane / North Cray Church	581	0.36
NTHCER	R0482	Ellenborough Road	651	0.40
	21819	Barton Road	449	0.28
	24134	Ruxley Corner	405	0.25
	BP942	Five Arches Business Estate	375	0.23
FOOTPO	18922	Sidcup Hill / Cray Road	333	0.21
	33556	Middleton Avenue	283	0.18
	3929	Knoll Road	338	0.21
	15008	Church Road	419	0.26
SIDCPS	14960	Sidcup High Street / Station Road	349	0.22
	15182	Crescent Road	602	0.37
	25848	Sidcup Station / Station Road	160	0.10
SIDCSNJ	36002	Sidcup Station	586	0.36
Total Route Mileage - Back Direction			23804	14.79
			Metres	Miles