

## 7. Service Specification

Route: 428

Contract Reference: QC63105

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>Route Number</b>                                     | 428  |
| <b>Terminus Points - Option 1</b>                       | Erith, Bexley Road/Cross Street and Bluewater Bus Station                          |
| <b>Terminus Points - Option 2</b>                       | Erith, Bexley Road/Cross Street and Dartford Station, Home Gardens                 |
| <b>Terminus Points - Option 3</b>                       | Erith, Bexley Road/Cross Street and Crayford, Roman Way, Sainsbury's               |
| <b>Contract Basis</b>                                   | Incentivised   |
| <b>Commencement Date</b>                                | 26 <sup>th</sup> January 2019  |
| <b>Vehicle Type</b>                                     | 87 capacity, dual door, double deck vehicles, subject to a satisfactory route test |
| <b>Current Maximum Approved Dimensions</b>              | 10.7 metres long and 2.4 metres wide   |
| <b>New Vehicles Mandatory</b>                           | Yes  |
| <b>Hybrid Price Required</b>                            | Yes  |
| <b>Sponsored Route - Options 1 &amp; 2</b>              | Yes  |
| <b>Sponsored Route - Option 3</b>                       | No   |
| <b>Advertising Rights</b>                               | Operator   |
| <b>Minimum Performance Standard - Option 1</b>          | Departing on Time - No less than 82%   |
| <b>Extension Threshold - Option 1</b>                   | Departing on Time Threshold - 85%  |
| <b>Minimum Performance Standard - Options 2 &amp; 3</b> | Departing on Time - No less than 86%   |
| <b>Extension Threshold - Options 2 &amp; 3</b>          | Departing on Time Threshold - 88%  |
| <b>Minimum Operated Mileage Standard</b>                | No less than 98%   |

The Date of Tender for this ITT is: No later than 12 Noon on Monday 2<sup>nd</sup> July 2018.

*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. 428.

- The special Christmas Saturdays reliability schedule will operate on 1<sup>st</sup>, 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup>, 24<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup> and 31<sup>st</sup> December 2018.

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:

Three structural options are specified as follows:

### **Option 1**

- No changes are proposed to the structure of the route.
- A special Christmas Saturdays reliability schedule with an additional bus to increase running time to mitigate shopping traffic delays in the run up to and over the Christmas period operates on the four Saturdays before Christmas every year.
- Tenderers are asked to confirm where the additional vehicle (which should be to LBSL specification) will be sourced from.
- **Tenderers must identify the cost of the special Christmas Saturdays reliability schedule separately.**

### **Option 2**

- Route No. 428 is re-structured to operate between Erith, Bexley Road/Cross Street and Dartford Station, Home Gardens.
- Ex Dartford Station, Home Gardens, Route No. 428 will operate from Home Gardens to Overy Liberty to re-join line of routeing.
- The section of routeing between Dartford Station, Home Gardens/Dartford, Market Street and Bluewater Bus Station is withdrawn.
- **Please see Section 5 for a full list of streets traversed and standing arrangements.**
- Departures ex Dartford Station, Home Gardens are forward projected from Bluewater Bus Station.

### **Option 3**

- Route No. 428 is re-structured to operate between Erith, Bexley Road/Cross Street and Crayford, Roman Way, Sainsbury's.
- Ex Erith, Bexley Road/Cross Street, Route No. 428 is re-routed from Crayford Road to terminate at Roman Way.
- The section of routeing between Crayford Post Office/Crayford, Roman Way, Sainsbury's and Bluewater Bus Station is withdrawn.
- **Please see Section 5 for a full list of streets traversed and standing arrangements.**
- Departures ex Crayford, Roman Way Roman Way, Sainsbury's are forward projected from Bluewater Bus Station.

## 2) NOTES - continued

### **Proposed Changes (continued:**

#### **Options 2 & 3**

- The special Christmas Saturdays reliability schedule is withdrawn.

#### **Options 1, 2 & 3**

- The Mondays to Fridays schooldays journeys are withdrawn.
- Conversion of Route No. 428 from 55 capacity, dual door, single deck vehicles to new 87 capacity, dual door, double deck vehicles is specified, subject to a satisfactory route test.

#### **Limited Stop Sections for Option 1 only:**

Route No. 428 has the following limited stop sections:

- Ex Erith, Bexley Road/Cross Street, between Dartford Station, Home Gardens and Bluewater Bus Station stopping only at Hanau Bridge and Darent Valley Hospital between these points.
- Ex Bluewater Bus Station, between Bluewater Bus Station and Dartford, Market Street stopping only at Darent Valley Hospital between these points.

## 2) NOTES - continued

### **Requirements for Registration for Options 1 & 2 only:**

The section of Route No. 428 between Bluewater Bus Station (Option 1)/Dartford Station, Home Gardens (Option 2) and the Kent County Boundary on Crayford Road (at the junction with Princes Road) will need to be registered with the Office of the Traffic Commissioner (South East and Metropolitan) 42 days before the operation commences. The registration should be sent to:

The Office of the Traffic Commissioner (South East and Metropolitan)  
Hillcrest House  
386 Harehills Lane  
LEEDS  
LS9 6NF

A copy of the registration should be sent to:

Bus Service Licensing and Permitting  
TfL Service Planning  
10<sup>th</sup> Floor, Zone G8  
Palestra  
197 Blackfriars Road  
London  
SE1 8NJ  
e-mail: [lsp@tfl.gov.uk](mailto:lsp@tfl.gov.uk)

**Please note that 28 days before registering the service with the Office of the Traffic Commissioner, the draft registration form and accompanying local authority pro-forma must be sent to Kent County Council for completion. The contact details are:**

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

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

2) **NOTES - continued**

**Operators should provide the following prices:**

- 1. Annual diesel-electric hybrid price - based on minimum 5 year contract.**

**Tenderers are encouraged to offer alternative vehicle options in accordance with Part 9 of their tender, including but not limited to:**

- 1. New two door, single staircase vehicles inspired by the New Routemaster in respect of both their external and internal design, to the appropriate specification agreed between TfL and the manufacturers.**
- 2. Vehicles that offer genuine increased capacity on two axles and are certified as such.**
- 3. Modifications to reduce emissions and fuel consumption (including energy storage, engine stop/start, extended zero-emission range and/or energy efficient components)**
- 4. Existing vehicles. Separate costs must be provided both excluding and including the cost of upgrading to Euro VI standards. The inclusive costs should be on a per bus per annum basis.**

### 3) SCHEDULE REQUIREMENTS & PINCHPOINTS

#### 3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

##### OPTION 1

|  |                  |            |  |                  |            |
|--|------------------|------------|--|------------------|------------|
| Erith, Bexley Road/Cross Street to Bluewater Bus Station |                  |            | Bluewater Bus Station to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0525.                      |                  |            | First departure no later than 0510.                      |                  |            |
| 0520 - 0555  | Every 30 minutes |            | 0505 - 0610  | Every 30 minutes |            |
| 0556 - 0635  | Every 20 minutes |            | 0611 - 0630  | Every 20 minutes |            |
| 0636 - 1845  | Every 15 minutes |            | 0631 - 1900  | Every 15 minutes |            |
| 1846 - 1925  | Every 20 minutes |            | 1901 - 1940  | Every 20 minutes |            |
| 1926 - 2400  | Every 30 minutes |            | 1941 - 2345  | Every 30 minutes |            |
| Last departure no earlier than 2355.                     |                  |            | Last departure no earlier than 2340.                     |                  |            |
| <b>Pinchpoints</b>                                       |                  |            |  |                  |            |
| Dartford Station, Home Gardens                           | 0700 - 0915      | 15 minutes | Slade Green, Howbury Lane/Whitehall Lane                 | 0700 - 0900      | 15 minutes |
|  | 1525 - 1655      | 15 minutes |  | 1510 - 1640      | 15 minutes |

##### OPTION 2

|   |                  |            |   |                  |            |
|---|------------------|------------|---|------------------|------------|
| Erith, Bexley Road/Cross Street to Dartford Station, Home Gardens |                  |            | Dartford Station, Home Gardens to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0525.                               |                  |            | First departure no later than 0525.                               |                  |            |
| 0520 - 0555   | Every 30 minutes |            | 0520 - 0625   | Every 30 minutes |            |
| 0556 - 0635   | Every 20 minutes |            | 0626 - 0645   | Every 20 minutes |            |
| 0636 - 1845   | Every 15 minutes |            | 0646 - 1915   | Every 15 minutes |            |
| 1846 - 1925   | Every 20 minutes |            | 1916 - 1955   | Every 20 minutes |            |
| 1926 - 2400   | Every 30 minutes |            | 1956 - 2400   | Every 30 minutes |            |
| Last departure no earlier than 2355.                              |                  |            | Last departure no earlier than 2355.                              |                  |            |
| <b>Pinchpoints</b>  |                  |            |   |                  |            |
| Crayford, Jolly Farmers   | 0650 - 0905      | 15 minutes | Slade Green, Howbury Lane/Whitehall Lane                          | 0700 - 0900      | 15 minutes |
|   | 1505 - 1635      | 15 minutes |   | 1510 - 1640      | 15 minutes |

### 3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

#### OPTION 3

|   |                  |            |   |                  |            |
|---|------------------|------------|---|------------------|------------|
| Erith, Bexley Road/Cross Street to Crayford, Roman Way, Sainsbury's |                  |            | Crayford, Roman Way, Sainsbury's to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0525.                                 |                  |            | First departure no later than 0530.                                 |                  |            |
| 0520 - 0555   | Every 30 minutes |            | 0525 - 0630   | Every 30 minutes |            |
| 0556 - 0635   | Every 20 minutes |            | 0631 - 0650   | Every 20 minutes |            |
| 0636 - 1845   | Every 15 minutes |            | 0651 - 1920   | Every 15 minutes |            |
| 1846 - 1925   | Every 20 minutes |            | 1921 - 2000   | Every 20 minutes |            |
| 1926 - 2400   | Every 30 minutes |            | 2001 - 0005   | Every 30 minutes |            |
| Last departure no earlier than 2355.                                |                  |            | Last departure no earlier than 2400.                                |                  |            |
| <b>Pinchpoints</b>  |                  |            |   |                  |            |
| Slade Green, Howbury Lane/Whitehall Lane                            | 0645 - 0900      | 15 minutes | Slade Green, Howbury Lane/Whitehall Lane                            | 0700 - 0900      | 15 minutes |
|   | 1500 - 1630      | 15 minutes |   | 1510 - 1640      | 15 minutes |

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

#### OPTION 1

|  |                  |            |  |                  |            |
|--|------------------|------------|--|------------------|------------|
| Erith, Bexley Road/Cross Street to Bluewater Bus Station |                  |            | Bluewater Bus Station to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0525.                      |                  |            | First departure no later than 0510.                      |                  |            |
| 0520 - 0725  | Every 30 minutes |            | 0505 - 0810  | Every 30 minutes |            |
| 0726 - 0825  | Every 20 minutes |            | 0811 - 0910  | Every 20 minutes |            |
| 0826 - 1815  | Every 15 minutes |            | 0911 - 1830  | Every 15 minutes |            |
| 1816 - 1855  | Every 20 minutes |            | 1831 - 1910  | Every 20 minutes |            |
| 1856 - 2400  | Every 30 minutes |            | 1911 - 2345  | Every 30 minutes |            |
| Last departure no earlier than 2355.                     |                  |            | Last departure no earlier than 2340.                     |                  |            |
| <b>Pinchpoints</b>                                       |                  |            |  |                  |            |
| Dartford Station, Home Gardens                           | 0850 - 1120      | 15 minutes | Slade Green, Howbury Lane/Whitehall Lane                 | 0840 - 0940      | 20 minutes |
|  |                  |            |  | 0941 - 1110      | 15 minutes |

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

### 3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued

#### OPTION 2

|   |                  |            |   |                  |            |
|---|------------------|------------|---|------------------|------------|
| Erith, Bexley Road/Cross Street to Dartford Station, Home Gardens |                  |            | Dartford Station, Home Gardens to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0525.                               |                  |            | First departure no later than 0525.                               |                  |            |
| 0520 - 0725   | Every 30 minutes |            | 0520 - 0825   | Every 30 minutes |            |
| 0726 - 0825   | Every 20 minutes |            | 0826 - 0925   | Every 20 minutes |            |
| 0826 - 1815   | Every 15 minutes |            | 0926 - 1845   | Every 15 minutes |            |
| 1816 - 1855   | Every 20 minutes |            | 1846 - 1925   | Every 20 minutes |            |
| 1856 - 2400   | Every 30 minutes |            | 1926 - 2400   | Every 30 minutes |            |
| Last departure no earlier than 2355.                              |                  |            | Last departure no earlier than 2355.                              |                  |            |
| <b>Pinchpoints</b>  |                  |            |   |                  |            |
| Crayford, Jolly Farmers   | 0835 - 1105      | 15 minutes | Slade Green, Howbury Lane/Whitehall Lane                          | 0840 - 0940      | 20 minutes |
|   |                  |            |   | 0941 - 1110      | 15 minutes |

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

#### OPTION 3

|   |                  |            |   |                  |            |
|---|------------------|------------|---|------------------|------------|
| Erith, Bexley Road/Cross Street to Crayford, Roman Way, Sainsbury's |                  |            | Crayford, Roman Way, Sainsbury's to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0525.                                 |                  |            | First departure no later than 0530.                                 |                  |            |
| 0520 - 0725   | Every 30 minutes |            | 0525 - 0830   | Every 30 minutes |            |
| 0726 - 0825   | Every 20 minutes |            | 0831 - 0930   | Every 20 minutes |            |
| 0826 - 1815   | Every 15 minutes |            | 0931 - 1850   | Every 15 minutes |            |
| 1816 - 1855   | Every 20 minutes |            | 1851 - 1930   | Every 20 minutes |            |
| 1856 - 2400   | Every 30 minutes |            | 1931 - 0005   | Every 30 minutes |            |
| Last departure no earlier than 2355.                                |                  |            | Last departure no earlier than 2400.                                |                  |            |
| <b>Pinchpoints</b>  |                  |            |   |                  |            |
| Slade Green, Howbury Lane/Whitehall Lane                            | 0830 - 1100      | 15 minutes | Slade Green, Howbury Lane/Whitehall Lane                            | 0840 - 0940      | 20 minutes |
|   |                  |            |   | 0941 - 1110      | 15 minutes |

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

**3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued**

**3.3) SUNDAY AND PUBLIC HOLIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS**

**OPTION 1**

|  |                  |            |  |                  |            |
|--|------------------|------------|--|------------------|------------|
| Erith, Bexley Road/Cross Street to Bluewater Bus Station |                  |            | Bluewater Bus Station to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0655.                      |                  |            | First departure no later than 0610.                      |                  |            |
| 0650 - 2400  | Every 30 minutes |            | 0605 - 2345  | Every 30 minutes |            |
| Last departure no earlier than 2355.                     |                  |            | Last departure no earlier than 2340.                     |                  |            |
| <b>Pinchpoints</b>                                       |                  |            |  |                  |            |
| Dartford Station, Home Gardens                           | 1020 - 1150      | 30 minutes | Slade Green, Howbury Lane/Whitehall Lane                 | 1010 - 1140      | 30 minutes |

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

**OPTION 2**

|   |                  |            |   |                  |            |
|---|------------------|------------|---|------------------|------------|
| Erith, Bexley Road/Cross Street to Dartford Station, Home Gardens |                  |            | Dartford Station, Home Gardens to Erith, Bexley Road/Cross Street |                  |            |
| First departure no later than 0655.                               |                  |            | First departure no later than 0625.                               |                  |            |
| 0650 - 2400   | Every 30 minutes |            | 0620 - 2400   | Every 30 minutes |            |
| Last departure no earlier than 2355.                              |                  |            | Last departure no earlier than 2355.                              |                  |            |
| <b>Pinchpoints</b>  |                  |            |   |                  |            |
| Crayford, Jolly Farmers   | 1005 - 1135      | 30 minutes | Slade Green, Howbury Lane/Whitehall Lane                          | 1010 - 1140      | 30 minutes |

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

**3) SCHEDULE REQUIREMENTS & PINCHPOINTS - continued**

**OPTION 3**

|   |                  |   |  |             |            |
|---|------------------|---|--|-------------|------------|
| Erith, Bexley Road/Cross Street to Crayford, Roman Way, Sainsbury's |                  | Crayford, Roman Way, Sainsbury's to Erith, Bexley Road/Cross Street |  |             |            |
| First departure no later than 0655.                                 |                  | First departure no later than 0630.                                 |  |             |            |
| 0650 - 2400   | Every 30 minutes | 0625 - 0005   | Every 30 minutes                         |             |            |
| Last departure no earlier than 2355.                                |                  | Last departure no earlier than 2400.                                |  |             |            |
| <b>Pinchpoints</b>  |                  |   |  |             |            |
| Slade Green, Howbury Lane/Whitehall Lane                            | 1000 - 1130      | 30 minutes  | Slade Green, Howbury Lane/Whitehall Lane | 1010 - 1140 | 30 minutes |

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

**4) OPERATIONAL CONSIDERATIONS**

- 4.1) Route No. 428 can suffer from unpredictable traffic delays in the Dartford and Bluewater Shopping Centre areas.
- 4.2) For Option 1 only - Congestion around Bluewater can be particularly heavy in the Christmas shopping period, and Tenderers are invited to submit separate proposals to improve control and/or 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 428: Erith, Bexley Road - Bluewater, Shopping Centre

**Date of Structural Change:** 26 January 2019.

**Date of Service Change:** 26 January 2019.

**Reason for Issue:** New Tender. No change to structure.

### **STREETS TRAVERSED**

**Towards Bluewater, Shopping Centre:** Bexley Road, Queens Road, South Road, Northend Road, Bridge Road, Whitehall Lane, Howbury Lane, Thames Road, Crayford Way, Crayford Road, Dartford Road, West Hill, Highfield Road North, Westgate Road, Home Gardens, East Hill, The Brent, Watling Street, Darenth Wood Road, Private Road In Darent Valley Hospital Grounds, Darenth Wood Road, Watling Street, Bean Lane, St Clements Way, Bluewater Parkway, Lime Tree Avenue, Bluewater Access Road, Bluewater Bus Station.

**Towards Erith, Bexley Road:** Bluewater Bus Station, Bluewater Access Road, Bluewater Parkway, St Clements Way, St Clements Way Slip Road, Watling Street, Darenth Wood Road, Private Road In Darent Valley Hospital Grounds, Darenth Wood Road, Watling Street, The Brent, East Hill, Overy Liberty, Dartford High Street, Market Street, Market Street (North Side), Market Street, Lowfield Street, Instone Road, Highfield Road, West Hill, Dartford Road, Crayford Road, Roman Way, London Road, Crayford Way, Thames Road, Howbury Lane, Whitehall Lane, Bridge Road, Northend Road, South Road, Queens Road, James Watt Way, Erith High Street, Pier Road, Colebrook Street, Wharfside Close, Bexley 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.

### **ERITH, BEXLEY ROAD**

Private stand for up to 3 buses in lay-bay on south side of Bexley Road commencing level with steps to Shopping Centre and extending approximately 30 metres eastwards. Buses proceed from Bexley Road direct to stand, departing to Bexley Road. Set down in Bexley Road, at Alighting Point (BP2250 - Erith Town Centre / Riverside, Last Stop on LOR: BP2250 - Erith Town Centre / Riverside) and pick up in Bexley Road, at Stop G (BP2114 - Erith Town Centre / Cross Street, First Stop on LOR: BP2114 - Erith Town Centre / Cross Street).

AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: No more than 2 buses on Route 428 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: Erith.

### **SLADE GREEN (from BLUEWATER, SHOPPING CENTRE)**

Buses proceed from Howbury Lane via Whitehall Lane, Bridge Road, Northend Road and Perry Street Roundabout departing to Thames Road. Set down in Howbury Lane, at Stop C (21598 - Howbury Lane / Slade Green Station #, Last Stop on LOR: 21598 - Howbury Lane / Slade Green Station #) and pick up in Thames Road (21601 - Shearwood Crescent, First Stop on LOR: 21601 - Shearwood Crescent).

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

### **CRAYFORD, ROMAN WAY (from Erith, Bexley Road)**

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.

Buses proceed from Crayford Road via Roman Way to stand, departing to Roman Way. Set down in Roman Way, at Alighting Point (R0075 - Crayford Bridge / Sainsbury's, Last Stop on LOR: 21603 - Waterside) 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.

### **CRAYFORD, ROMAN WAY (from BLUEWATER, SHOPPING CENTRE)**

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.

Buses proceed from Roman Way direct to stand, departing via Roman Way and London Road to Crayford Road. Set down in Roman Way (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).

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 Erith, Bexley Road)**

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, Overy Liberty, Dartford High Street and Market Street to Market Street (North Side). Set down in Home Gardens, at Stop D (BP3355 - Dartford Station #, Last Stop on LOR: BP3355 - Dartford Station #) and pick up in Market Street (north Side), at Stop 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.

### **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.

### **DARENT VALLEY HOSPITAL (from Erith, Bexley Road)**

Buses proceed from Private Road In Darent Valley Hospital Grounds departing to Private Road In Darent Valley Hospital Grounds. Set down in Private Road In Darent Valley Hospital Grounds (OC738 - Darent Valley Hospital, Last Stop on LOR: OC738 - Darent Valley Hospital) and pick up in Private Road In Darent Valley Hospital Grounds (OC739 - Darent Valley Hospital, First Stop on LOR: OC739 - Darent Valley Hospital).

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

### **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 9 (OC737 - Bluewater Shopping Centre, First Stop on LOR: OC737 - Bluewater Shopping Centre).

AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: No more than 2 buses on Route 428 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.

# LONDON BUSES - ROUTE DESCRIPTION

## ROUTE 428: Erith, Bexley Road - Dartford, Home Gardens

**Date of Structural Change:** 27 January 2019.

**Date of Service Change:** 27 January 2019.

**Reason for Issue:** New Tender and route restructured to operate between Erith, Bexley Road and Dartford, Home Gardens.

### **STREETS TRAVERSED**

**Towards Dartford, Home Gardens:** Bexley Road, Queens Road, South Road, Northend Road, Bridge Road, Whitehall Lane, Howbury Lane, Thames Road, Crayford Way, Crayford Road, Dartford Road, West Hill, Highfield Road North, Westgate Road, Home Gardens.

**Towards Erith, Bexley Road:** Home Gardens, Overy Liberty, Dartford High Street, Market Street, Market Street (North Side), Market Street, Lowfield Street, Instone Road, Highfield Road, West Hill, Dartford Road, Crayford Road, Roman Way, London Road, Crayford Way, Thames Road, Howbury Lane, Whitehall Lane, Bridge Road, Northend Road, South Road, Queens Road, James Watt Way, Erith High Street, Pier Road, Colebrook Street, Wharfside Close, Bexley 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.

### **ERITH, BEXLEY ROAD**

Private stand for up to 3 buses in lay-bay on south side of Bexley Road commencing level with steps to Shopping Centre and extending approximately 30 metres eastwards. Buses proceed from Bexley Road direct to stand, departing to Bexley Road. Set down in Bexley Road, at Alighting Point (BP2250 - Erith Town Centre / Riverside, Last Stop on LOR: BP2250 - Erith Town Centre / Riverside) and pick up in Bexley Road, at Stop G (BP2114 - Erith Town Centre / Cross Street, First Stop on LOR: BP2114 - Erith Town Centre / Cross Street).

AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: No more than 2 buses on Route 428 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: Erith.

### **SLADE GREEN (from DARTFORD, HOME GARDENS)**

Buses proceed from Howbury Lane via Whitehall Lane, Bridge Road, Northend Road and Perry Street Roundabout departing to Thames Road. Set down in Howbury Lane, at Stop C (21598 - Howbury Lane / Slade Green Station #, Last Stop on LOR: 21598 - Howbury Lane / Slade Green Station #) and pick up in Thames Road (21601 - Shearwood Crescent, First Stop on LOR: 21601 - Shearwood Crescent).

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

### **CRAYFORD, ROMAN WAY (from Erith, Bexley Road)**

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.

Buses proceed from Crayford Road via Roman Way to stand, departing to Roman Way. Set down in Roman Way, at Alighting Point (R0075 - Crayford Bridge / Sainsbury's, Last Stop on LOR: 21603 - Waterside) 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.

### **CRAYFORD, ROMAN WAY (from DARTFORD, HOME GARDENS)**

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.

Buses proceed from Roman Way direct to stand, departing via Roman Way and London Road to Crayford Road. Set down in Roman Way (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).

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**

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 to Home Gardens. Set down in Home Gardens, at Stop D (BP3355 - Dartford Station #, Last Stop on LOR: BP3355 - Dartford Station #) and pick up in Home Gardens, at Stop D (BP3355 - Dartford Station #, First Stop on LOR: BP3354 - Market Street).

AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: No more than 2 buses on Route 428 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: Dartford.

# LONDON BUSES - ROUTE DESCRIPTION

## ROUTE 428: Erith, Bexley Road - Crayford, Roman Way

**Date of Structural Change:** 28 January 2019.

**Date of Service Change:** 28 January 2019.

**Reason for Issue:** New Tender and route restructured to operate between Erith, Bexley Road and Crayford, Roman Way.

### STREETS TRAVERSED

**Towards Crayford, Roman Way:** Bexley Road, Queens Road, South Road, Northend Road, Bridge Road, Whitehall Lane, Howbury Lane, Thames Road, Crayford Way, Crayford Road, Roman Way.

**Towards Erith, Bexley Road:** Roman Way, London Road, Crayford Way, Thames Road, Howbury Lane, Whitehall Lane, Bridge Road, Northend Road, South Road, Queens Road, James Watt Way, Erith High Street, Pier Road, Colebrook Street, Wharfside Close, Bexley 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.

### ERITH, BEXLEY ROAD

Private stand for up to 3 buses in lay-bay on south side of Bexley Road commencing level with steps to Shopping Centre and extending approximately 30 metres eastwards. Buses proceed from Bexley Road direct to stand, departing to Bexley Road. Set down in Bexley Road, at Alighting Point (BP2250 - Erith Town Centre / Riverside, Last Stop on LOR: BP2250 - Erith Town Centre / Riverside) and pick up in Bexley Road, at Stop G (BP2114 - Erith Town Centre / Cross Street, First Stop on LOR: BP2114 - Erith Town Centre / Cross Street).

|                         |   |
|-------------------------|---|
| AVAILABILITY:           | At any time.  |
| OPERATING RESTRICTIONS: | No more than 2 buses on Route 428 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:          | Erith.  |

### **SLADE GREEN (from CRAYFORD, ROMAN WAY)**

Buses proceed from Howbury Lane via Whitehall Lane, Bridge Road, Northend Road and Perry Street Roundabout departing to Thames Road. Set down in Howbury Lane, at Stop C (21598 - Howbury Lane / Slade Green Station #, Last Stop on LOR: 21598 - Howbury Lane / Slade Green Station #) and pick up in Thames Road (21601 - Shearwood Crescent, First Stop on LOR: 21601 - Shearwood Crescent).

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

### **CRAYFORD, ROMAN WAY**

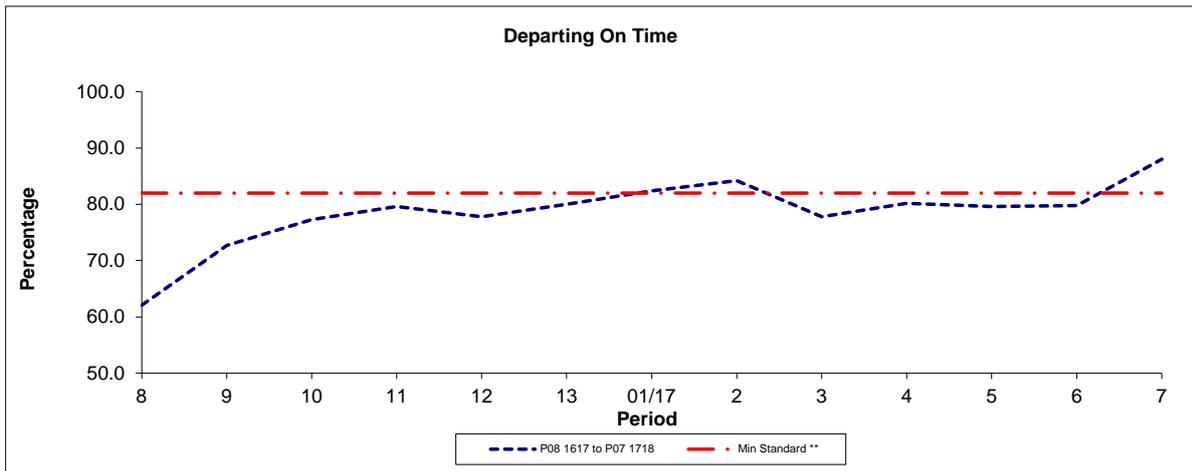
Public stand for one bus on south east side of Roman Way (formerly Stadium Road), in rear of bay alongside Sainsbury's car park, commencing at a point 85 metres south west of the centre line of Crayford Road.

Buses proceed from Roman Way direct to stand, departing to Roman Way. Set down in Roman Way (R0075 - Crayford Bridge / Sainsbury's, Last Stop on LOR: 21603 - Waterside) and pick up in Roman Way, at Stop N (37371 - Crayford Bridge Sainsbury's, First Stop on LOR: 37371 - Crayford Bridge Sainsbury's).

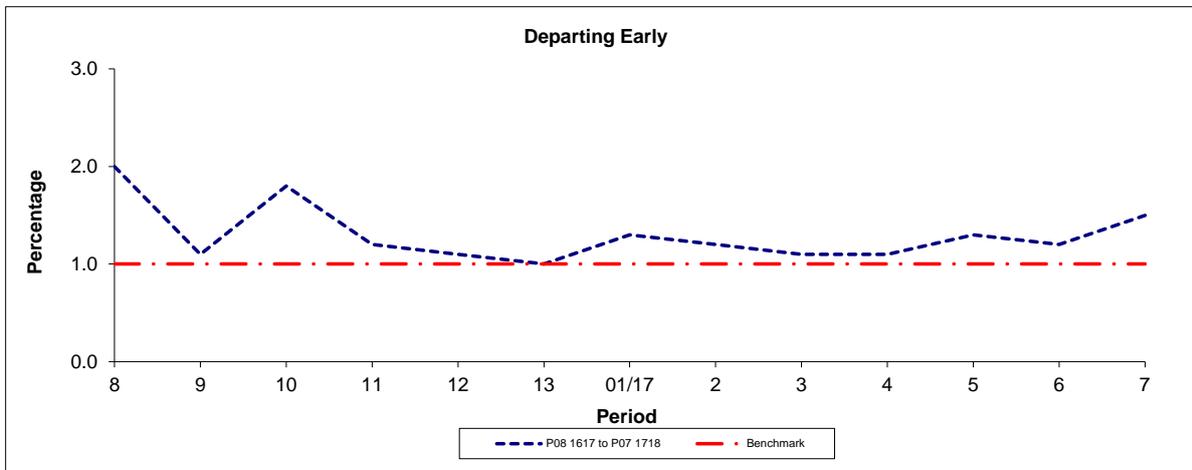
AVAILABILITY: At any time.  
OPERATING RESTRICTIONS: No more than 1 bus on Route 428 should be scheduled to stand at any one time.  
MEAL RELIEFS: No meal relief vehicles to stand at any time.  
FERRY VEHICLES: No ferry vehicles to park on stand at any time.  
BLIND DISPLAY: Crayford.

**PART B - PERFORMANCE STATISTICS**

**Route 428**



| Period               | 8    | 9    | 10   | 11   | 12   | 13   | 01/17 | 2    | 3    | 4    | 5    | 6    | 7    |
|----------------------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| P08 1617 to P07 1718 | 62.1 | 72.7 | 77.3 | 79.6 | 77.8 | 80.0 | 82.4  | 84.2 | 77.8 | 80.2 | 79.6 | 79.8 | 88.0 |
| 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 |

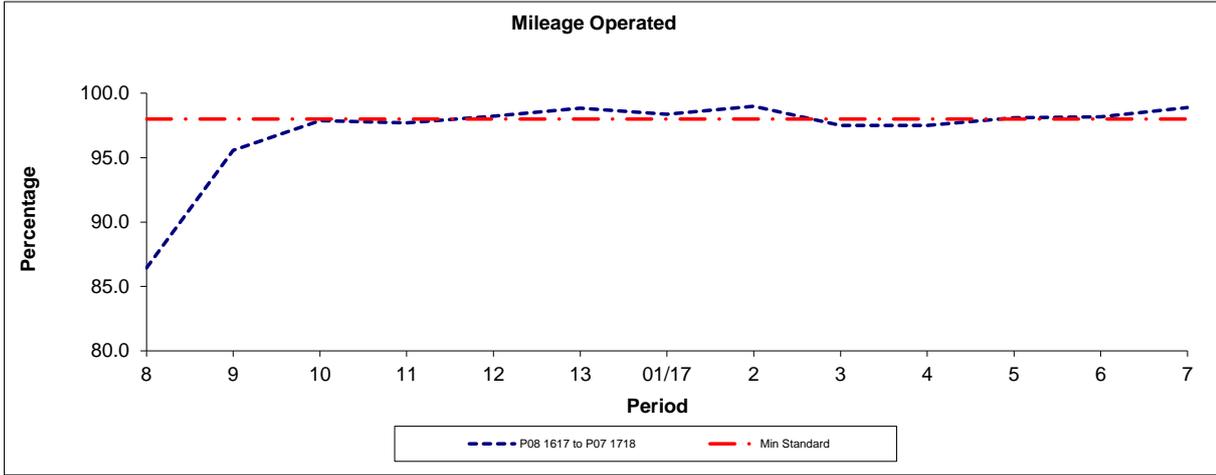


| Period               | 8   | 9   | 10  | 11  | 12  | 13  | 01/17 | 2   | 3   | 4   | 5   | 6   | 7   |
|----------------------|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|
| P08 1617 to P07 1718 | 2.0 | 1.1 | 1.8 | 1.2 | 1.1 | 1.0 | 1.3   | 1.2 | 1.1 | 1.1 | 1.3 | 1.2 | 1.5 |
| 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 |

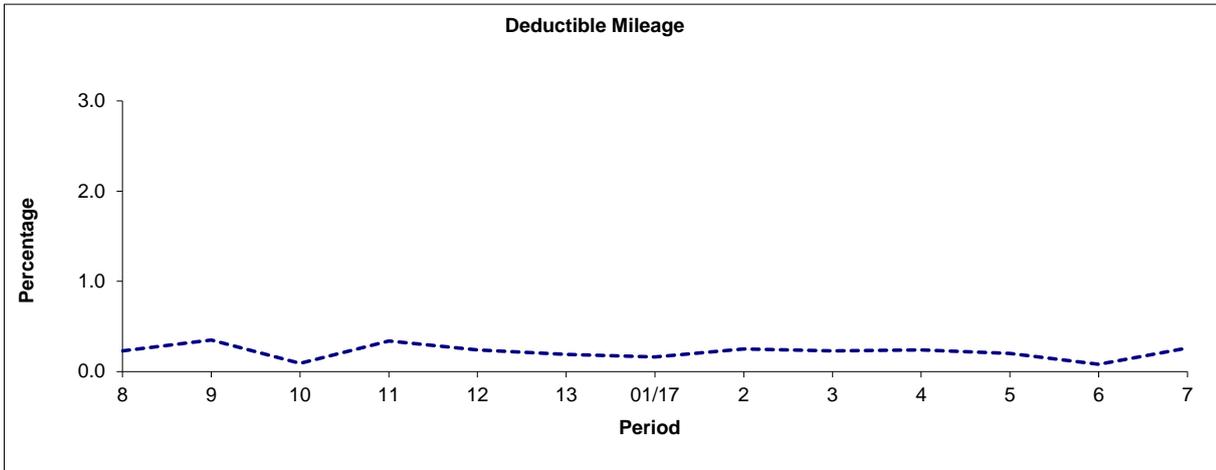
Note : Reliability is actual performance under full iBus (4 weeks data).  
 Minimum Standards are those applicable under option 1 of the new contract. A minimum standard of 86% On Time applies under options 2 and 3. The early running benchmark applies to all three options.

**PART B - PERFORMANCE STATISTICS**

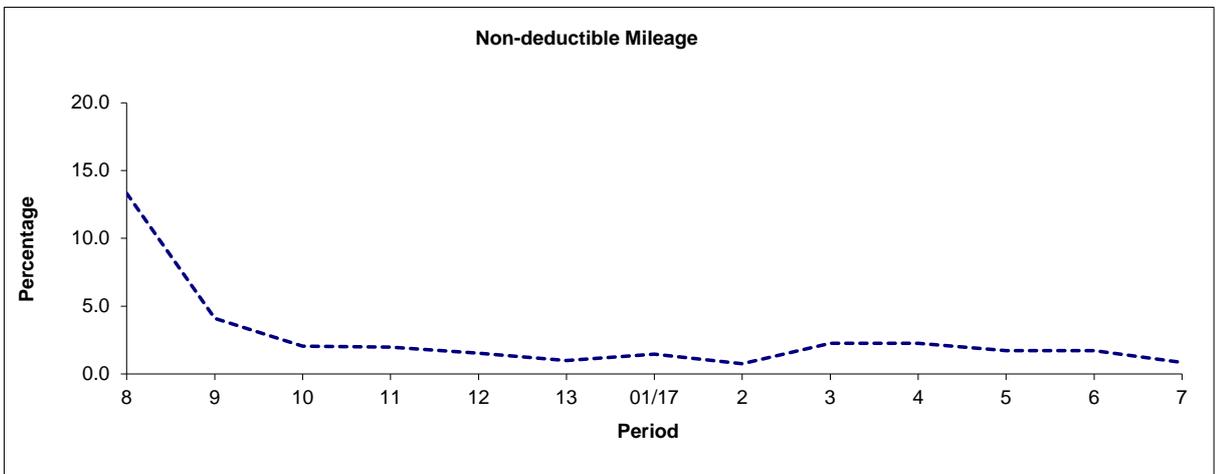
**Route 428**



| Period               | 8     | 9     | 10    | 11    | 12    | 13    | 01/17 | 2     | 3     | 4     | 5     | 6     | 7     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| P08 1617 to P07 1718 | 86.44 | 95.56 | 97.87 | 97.69 | 98.22 | 98.83 | 98.37 | 98.99 | 97.51 | 97.51 | 98.10 | 98.18 | 98.90 |
| 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   | 01/17 | 2    | 3    | 4    | 5    | 6    | 7    |
|----------------------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| P08 1617 to P07 1718 | 0.23 | 0.35 | 0.09 | 0.34 | 0.24 | 0.19 | 0.16  | 0.25 | 0.23 | 0.24 | 0.20 | 0.08 | 0.26 |



| Period               | 8     | 9    | 10   | 11   | 12   | 13   | 01/17 | 2    | 3    | 4    | 5    | 6    | 7    |
|----------------------|-------|------|------|------|------|------|-------|------|------|------|------|------|------|
| P08 1617 to P07 1718 | 13.33 | 4.10 | 2.04 | 1.97 | 1.54 | 0.98 | 1.47  | 0.76 | 2.26 | 2.26 | 1.71 | 1.73 | 0.84 |

Note: Mileage is based on 4 weeks data

**ROUTE 428 - FULL iBUS RESULTS BY TIME OF DAY**  
**QUARTER 3 16/17 TO QUARTER 2 17/18 (17/09/16 - 15/09/17)**

**MONDAY - FRIDAY**

| Time Range                   | Expected Buses | Observed Buses | Observed Buses (%) | Linked Buses (%) | On Time (%) | Non Arrival / Not Linked (%) | Early (%)  | Late (%)    |
|------------------------------|----------------|----------------|--------------------|------------------|-------------|------------------------------|------------|-------------|
| 05:00 - 07:00                | 12,430         | 11,916         | 95.9               | 98.1             | 88.7        | 2.0                          | 0.6        | 8.7         |
| 07:00 - 10:00                | 37,818         | 36,130         | 95.5               | 93.3             | 75.6        | 7.3                          | 1.3        | 15.8        |
| 10:00 - 13:00                | 36,276         | 34,575         | 95.3               | 94.8             | 79.6        | 5.8                          | 1.0        | 13.6        |
| 13:00 - 16:00                | 36,460         | 34,299         | 94.1               | 91.7             | 73.6        | 9.2                          | 1.3        | 15.9        |
| 16:00 - 19:00                | 36,260         | 33,017         | 91.1               | 88.3             | 61.8        | 12.7                         | 1.6        | 23.9        |
| 19:00 - 22:00                | 20,919         | 20,621         | 98.6               | 94.0             | 81.5        | 7.1                          | 1.1        | 10.3        |
| 22:00 - 24:00                | 12,166         | 12,012         | 98.7               | 97.7             | 93.6        | 2.2                          | 1.9        | 2.3         |
| <b>All Locations Summary</b> | <b>192,329</b> | <b>182,570</b> | <b>94.9</b>        | <b>93.0</b>      | <b>74.5</b> | <b>8.3</b>                   | <b>1.3</b> | <b>15.9</b> |

**SATURDAY**

| Time Range                   | Expected Buses | Observed Buses | Observed Buses (%) | Linked Buses (%) | On Time (%) | Non Arrival / Not Linked (%) | Early (%)  | Late (%)   |
|------------------------------|----------------|----------------|--------------------|------------------|-------------|------------------------------|------------|------------|
| 05:00 - 07:00                | 2,229          | 2,163          | 97.0               | 97.6             | 93.8        | 2.0                          | 1.5        | 2.7        |
| 07:00 - 10:00                | 6,524          | 6,445          | 98.8               | 98.9             | 92.5        | 1.2                          | 0.8        | 5.5        |
| 10:00 - 13:00                | 7,761          | 7,539          | 97.1               | 96.3             | 83.2        | 4.1                          | 1.4        | 11.3       |
| 13:00 - 16:00                | 7,791          | 7,580          | 97.3               | 95.5             | 83.8        | 5.0                          | 2.0        | 9.3        |
| 16:00 - 19:00                | 7,821          | 7,780          | 99.5               | 97.3             | 87.2        | 2.9                          | 2.2        | 7.6        |
| 19:00 - 22:00                | 4,319          | 4,286          | 99.2               | 97.7             | 89.8        | 2.9                          | 1.4        | 5.9        |
| 22:00 - 24:00                | 2,558          | 2,553          | 99.8               | 99.4             | 94.8        | 0.6                          | 2.0        | 2.6        |
| <b>All Locations Summary</b> | <b>39,003</b>  | <b>38,346</b>  | <b>98.3</b>        | <b>97.2</b>      | <b>87.1</b> | <b>3.3</b>                   | <b>1.7</b> | <b>7.9</b> |

**SUNDAYS & BANK HOLIDAYS**

| Time Range                   | Expected Buses | Observed Buses | Observed Buses (%) | Linked Buses (%) | On Time (%) | Non Arrival / Not Linked (%) | Early (%)  | Late (%)    |
|------------------------------|----------------|----------------|--------------------|------------------|-------------|------------------------------|------------|-------------|
| 05:00 - 07:00                | 605            | 610            | 100.8              | 97.9             | 88.5        | 2.2                          | 0.2        | 9.2         |
| 07:00 - 10:00                | 4,311          | 4,216          | 97.8               | 97.3             | 90.9        | 3.0                          | 1.2        | 4.8         |
| 10:00 - 13:00                | 4,357          | 4,220          | 96.9               | 96.1             | 76.3        | 4.8                          | 1.3        | 17.6        |
| 13:00 - 16:00                | 4,225          | 4,217          | 99.8               | 95.9             | 73.2        | 6.2                          | 0.9        | 19.7        |
| 16:00 - 19:00                | 4,114          | 4,094          | 99.5               | 97.6             | 80.9        | 3.9                          | 0.5        | 14.7        |
| 19:00 - 22:00                | 4,214          | 4,212          | 100.0              | 98.2             | 88.3        | 2.0                          | 0.9        | 8.8         |
| 22:00 - 24:00                | 2,860          | 2,859          | 100.0              | 99.0             | 92.2        | 1.1                          | 1.7        | 5.1         |
| <b>All Locations Summary</b> | <b>24,686</b>  | <b>24,428</b>  | <b>99.0</b>        | <b>97.2</b>      | <b>80.7</b> | <b>4.1</b>                   | <b>0.9</b> | <b>14.2</b> |

**ALL DAYS**

| Time Range                   | Expected Buses | Observed Buses | Observed Buses (%) | Linked Buses (%) | On Time (%) | Non Arrival / Not Linked (%) | Early (%)  | Late (%)    |
|------------------------------|----------------|----------------|--------------------|------------------|-------------|------------------------------|------------|-------------|
| 05:00 - 07:00                | 15,264         | 14,689         | 96.2               | 98.0             | 89.2        | 2.0                          | 0.6        | 8.1         |
| 07:00 - 10:00                | 48,653         | 46,791         | 96.2               | 94.4             | 77.7        | 6.6                          | 1.2        | 14.4        |
| 10:00 - 13:00                | 48,394         | 46,334         | 95.7               | 95.1             | 79.8        | 5.4                          | 1.1        | 13.7        |
| 13:00 - 16:00                | 48,476         | 46,096         | 95.1               | 92.7             | 75.0        | 8.3                          | 1.4        | 15.4        |
| 16:00 - 19:00                | 48,195         | 44,891         | 93.1               | 90.6             | 66.7        | 10.7                         | 1.6        | 21.1        |
| 19:00 - 22:00                | 29,452         | 29,119         | 98.9               | 95.2             | 83.4        | 5.9                          | 1.2        | 9.5         |
| 22:00 - 24:00                | 17,584         | 17,424         | 99.1               | 98.2             | 93.6        | 1.8                          | 1.9        | 2.7         |
| <b>All Locations Summary</b> | <b>256,018</b> | <b>245,344</b> | <b>95.8</b>        | <b>94.1</b>      | <b>76.7</b> | <b>7.2</b>                   | <b>1.3</b> | <b>14.7</b> |

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

Route: 428 Option 1

Service change: 42880

Date: 20/08/2016

|                  |
|------------------|
| Reason for Issue |
|------------------|

QSI Points are highlighted

| OUT DIRECTION                       |             |                                       |        |       |
|-------------------------------------|-------------|---------------------------------------|--------|-------|
| Timing Point Code                   | Stop Number | Stop Name                             | Metres | Miles |
| ERITBR                              | BP2114      | Eri th Town Centre /Cross S treet     |        |       |
|                                     | 22343       | Larner Road                           | 784    | 0.49  |
|                                     | 3962        | Peareswood Road                       | 327    | 0.20  |
|                                     | 22450       | Northend Road /Colyers Lane           | 229    | 0.14  |
|                                     | 21597       | Bridge Road /Northend Road            | 371    | 0.23  |
|                                     | 5886        | Dale View                             | 288    | 0.18  |
| SLDGHL                              | 21599       | Whitehall Lane /S lade Green S tation | 328    | 0.20  |
|                                     | 23663       | Lincoln Road                          | 270    | 0.17  |
|                                     | 21601       | S hearwood Crescent                   | 417    | 0.26  |
|                                     | 23874       | Kennet Road                           | 247    | 0.15  |
|                                     | BP5099      | Mayplace Avenue                       | 384    | 0.24  |
| CRAYJF                              | 10719       | The Jolly Farmers Open Space          | 524    | 0.33  |
|                                     | 41001       | Village Green Road                    | 291    | 0.18  |
|                                     | 10716       | The Rise                              | 274    | 0.17  |
|                                     | 21603       | Waterside                             | 447    | 0.28  |
| CRAYPO                              | 28236       | Crayford Bridge                       | 248    | 0.15  |
|                                     | 23118       | Crayford Town Hall                    | 120    | 0.07  |
|                                     | 6348        | Heath Road                            | 531    | 0.33  |
|                                     | 6350        | Maiden Lane                           | 252    | 0.16  |
|                                     | 6352        | Bird In Hand                          | 176    | 0.11  |
|                                     | 6354        | Havelock Road                         | 221    | 0.14  |
|                                     | 6356        | West Hill School                      | 385    | 0.24  |
|                                     | 28178       | West Hill /S hepherds Lane            | 377    | 0.23  |
|                                     | 6360        | Priory Hill                           | 192    | 0.12  |
| DARTHG                              | BP3355      | Dartford S tation                     | 679    | 0.42  |
|                                     | BP3353      | Hanau Bridge                          | 304    | 0.19  |
| DRNVHP                              | OC738       | Darent Valley Hospital                | 3488   | 2.17  |
| BLUEBS                              | OC741       | Bluewater S hopping Centre            | 3532   | 2.19  |
| Total Route Mileage - Out Direction |             |                                       | 15686  | 9.75  |
|                                     |             |                                       | Metres | Miles |

**TRANCHE 631**

Erith - Bluewater

Route permanently rerouted

| BACK DIRECTION                       |             |                                    |        |       |
|--------------------------------------|-------------|------------------------------------|--------|-------|
| Timing Point Code                    | Stop Number | Stop Name                          | Metres | Miles |
| BLUEBS                               | OC737       | Bluewater Shopping Centre          |        |       |
| DRNVHP                               | OC739       | Darent Valley Hospital             | 3366   | 2.09  |
| DARTMS                               | BP3354      | Market Street                      | 3601   | 2.24  |
| DARTIR                               | BP3357      | Instone Road                       | 323    | 0.20  |
|                                      | BP3356      | Dartford Magistrates Court         | 338    | 0.21  |
|                                      | 20835       | West Hill / Shepherds Lane         | 398    | 0.25  |
|                                      | 6357        | West Hill School                   | 398    | 0.25  |
|                                      | 6355        | Havelock Road                      | 263    | 0.16  |
|                                      | 6351        | Maiden Lane                        | 506    | 0.31  |
|                                      | 6349        | Heath Road                         | 412    | 0.26  |
|                                      | 6347        | Crayford Town Hall                 | 386    | 0.24  |
| CRAYSY                               | 37371       | Crayford Bridge Sainsbury's        | 165    | 0.10  |
|                                      | 21602       | Waterside                          | 491    | 0.31  |
|                                      | 10715       | Village Green Road                 | 530    | 0.33  |
|                                      | 10717       | Stanham Place                      | 357    | 0.22  |
| CRAYJF                               | 10720       | Mill Place                         | 276    | 0.17  |
|                                      | BP5046      | Medway Road                        | 422    | 0.26  |
|                                      | 21600       | Shearwood Crescent                 | 514    | 0.32  |
|                                      | 24008       | Lincoln Road                       | 449    | 0.28  |
| SLDGHL                               | 21598       | Howbury Lane / Slade Green Station | 211    | 0.13  |
|                                      | 5885        | Dale View                          | 290    | 0.18  |
|                                      | BP1335      | Whitehall Lane / Bridge Road       | 228    | 0.14  |
|                                      | 10729       | Bridge Road / Northend Road        | 90     | 0.06  |
|                                      | R0536       | Northend Road / Colyers Lane       | 427    | 0.27  |
|                                      | 22342       | Larner Road                        | 524    | 0.33  |
|                                      | 31473       | James Watt Way                     | 546    | 0.34  |
|                                      | BP2115      | Erith Health Centre                | 136    | 0.08  |
|                                      | BP4476      | Colebrook Street                   | 169    | 0.11  |
| ERITBR                               | BP2250      | Erith Town Centre / Riverside      | 145    | 0.09  |
| Total Route Mileage - Back Direction |             |                                    | 15961  | 9.92  |
|                                      |             |                                    | Metres | Miles |

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

Route: 428 Option 2

Service change: 42880

Date: 20/08/2016

Reason for Issu

QSI Points are highlighted

| OUT DIRECTION                       |             |                                       |        |       |
|-------------------------------------|-------------|---------------------------------------|--------|-------|
| Timing Point Code                   | Stop Number | Stop Name                             | Metres | Miles |
| ERITBR                              | BP 2114     | E rith Town Centre / Cross S treet    |        |       |
|                                     | 22343       | L arner Road                          | 784    | 0.49  |
|                                     | 3962        | P eareswood Road                      | 327    | 0.20  |
|                                     | 22450       | N orthend Road / Colyers Lane         | 229    | 0.14  |
|                                     | 21597       | B ridge Road / Northend Road          | 371    | 0.23  |
|                                     | 5886        | D ale View                            | 288    | 0.18  |
| SLDGHL                              | 21599       | Whitehall Lane / Slade Green S tation | 328    | 0.20  |
|                                     | 23663       | L incoln Road                         | 270    | 0.17  |
|                                     | 21601       | S hearwood Crescent                   | 417    | 0.26  |
|                                     | 23874       | K ennet Road                          | 247    | 0.15  |
|                                     | BP 5099     | M ayplace Avenue                      | 384    | 0.24  |
| CRAYJF                              | 10719       | The Jolly Farmers Open S pace         | 524    | 0.33  |
|                                     | 41001       | V illage Green Road                   | 291    | 0.18  |
|                                     | 10716       | T he Rise                             | 274    | 0.17  |
|                                     | 21603       | W aterside                            | 447    | 0.28  |
| CRAYPO                              | 28236       | Crayford Bridge                       | 248    | 0.15  |
|                                     | 23118       | Crayford Town Hall                    | 120    | 0.07  |
|                                     | 6348        | H eath Road                           | 531    | 0.33  |
|                                     | 6350        | M aiden Lane                          | 252    | 0.16  |
|                                     | 6352        | B ird In Hand                         | 176    | 0.11  |
|                                     | 6354        | H avelock Road                        | 221    | 0.14  |
|                                     | 6356        | W est Hill S chool                    | 385    | 0.24  |
|                                     | 28178       | W est Hill / S hepherds Lane          | 377    | 0.23  |
|                                     | 6360        | P riority Hill                        | 192    | 0.12  |
| DARTHG                              | BP 3355     | Dartford S tation                     | 679    | 0.42  |
| Total Route Mileage - Out Direction |             |                                       | 8362   | 5.20  |
|                                     |             |                                       | Metres | Miles |

**TRANCHE 631**

Erith - Dartford

ue

Route permanently rerouted

| BACK DIRECTION                       |             |                                    |             |             |
|--------------------------------------|-------------|------------------------------------|-------------|-------------|
| Timing Point Code                    | Stop Number | Stop Name                          | Metres      | Miles       |
| DARTHG                               | BP3355      | Dartford Station                   |             |             |
| DARTMS                               | BP3354      | Market Street                      | <b>TBA</b>  | <b>TBA</b>  |
| DARTIR                               | BP3357      | Instone Road                       | 323         | 0.20        |
|                                      | BP3356      | Dartford Magistrates Court         | 338         | 0.21        |
|                                      | 20835       | West Hill / Shepherds Lane         | 398         | 0.25        |
|                                      | 6357        | West Hill School                   | 398         | 0.25        |
|                                      | 6355        | Havelock Road                      | 263         | 0.16        |
|                                      | 6351        | Maiden Lane                        | 506         | 0.31        |
|                                      | 6349        | Heath Road                         | 412         | 0.26        |
|                                      | 6347        | Crayford Town Hall                 | 386         | 0.24        |
| CRAYSY                               | 37371       | Crayford Bridge Sainsbury's        | 165         | 0.10        |
|                                      | 21602       | Waterside                          | 491         | 0.31        |
|                                      | 10715       | Village Green Road                 | 530         | 0.33        |
|                                      | 10717       | Stanham Place                      | 357         | 0.22        |
| CRAYJF                               | 10720       | Mill Place                         | 276         | 0.17        |
|                                      | BP5046      | Medway Road                        | 422         | 0.26        |
|                                      | 21600       | Shearwood Crescent                 | 514         | 0.32        |
|                                      | 24008       | Lincoln Road                       | 449         | 0.28        |
| SLDGHL                               | 21598       | Howbury Lane / Slade Green Station | 211         | 0.13        |
|                                      | 5885        | Dale View                          | 290         | 0.18        |
|                                      | BP1335      | Whitehall Lane / Bridge Road       | 228         | 0.14        |
|                                      | 10729       | Bridge Road / Northend Road        | 90          | 0.06        |
|                                      | R0536       | Northend Road / Colyers Lane       | 427         | 0.27        |
|                                      | 22342       | Larner Road                        | 524         | 0.33        |
|                                      | 31473       | James Watt Way                     | 546         | 0.34        |
|                                      | BP2115      | Erith Health Centre                | 136         | 0.08        |
|                                      | BP4476      | Colebrook Street                   | 169         | 0.11        |
| ERITBR                               | BP2250      | Erith Town Centre / Riverside      | 145         | 0.09        |
| Total Route Mileage - Back Direction |             |                                    | <b>9157</b> | <b>5.69</b> |
|                                      |             |                                    | Metres      | Miles       |

**Total Route Mileage in red font is a planning estimate & not an ibus calculation and is to be confirmed.**

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

Route: 428 Option 3

Service change: 42880

Date: 20/08/2016

Reason for Issu

QSI Points are highlighted

| OUT DIRECTION                       |             |                                       |        |       |
|-------------------------------------|-------------|---------------------------------------|--------|-------|
| Timing Point Code                   | Stop Number | Stop Name                             | Metres | Miles |
| ERITBR                              | BP2114      | E rith Town Centre / Cross S treet    |        |       |
|                                     | 22343       | L arner Road                          | 784    | 0.49  |
|                                     | 3962        | P eareswood Road                      | 327    | 0.20  |
|                                     | 22450       | N orthend Road / Colyers Lane         | 229    | 0.14  |
|                                     | 21597       | B ridge Road / Northend Road          | 371    | 0.23  |
|                                     | 5886        | D ale View                            | 288    | 0.18  |
| SLDGHL                              | 21599       | Whitehall Lane / Slade Green S tation | 328    | 0.20  |
|                                     | 23663       | L incoln Road                         | 270    | 0.17  |
|                                     | 21601       | S hearwood Crescent                   | 417    | 0.26  |
|                                     | 23874       | K ennet Road                          | 247    | 0.15  |
|                                     | BP5099      | M ayplace Avenue                      | 384    | 0.24  |
| CRAYJF                              | 10719       | The Jolly Farmers Open S pace         | 524    | 0.33  |
|                                     | 41001       | V illage Green Road                   | 291    | 0.18  |
|                                     | 10716       | The Rise                              | 274    | 0.17  |
|                                     | 21603       | W aterside                            | 447    | 0.28  |
| CRAYSY                              | R0075       | Crayford Bridge Sainsbury's           | TBA    | TBA   |
| Total Route Mileage - Out Direction |             |                                       | 5552   | 3.45  |
|                                     |             |                                       | Metres | Miles |

**Total Route Mileage in red font is a planning estimate & not an ibus calculation and is to be confirmed.**

**TRANCHE 631**

Erith - Crayford

ue

Route permanently rerouted

| BACK DIRECTION                       |             |                                    |        |       |
|--------------------------------------|-------------|------------------------------------|--------|-------|
| Timing Point Code                    | Stop Number | Stop Name                          | Metres | Miles |
| CRAYSY                               | 37371       | Crayford Bridge Sainsbury's        |        |       |
|                                      | 21602       | Waterside                          | 491    | 0.31  |
|                                      | 10715       | Village Green Road                 | 530    | 0.33  |
|                                      | 10717       | Stanham Place                      | 357    | 0.22  |
| CRAYJF                               | 10720       | Mill Place                         | 276    | 0.17  |
|                                      | BP5046      | Medway Road                        | 422    | 0.26  |
|                                      | 21600       | Shearwood Crescent                 | 514    | 0.32  |
|                                      | 24008       | Lincoln Road                       | 449    | 0.28  |
| SLDGHL                               | 21598       | Howbury Lane / Slade Green Station | 211    | 0.13  |
|                                      | 5885        | Dale View                          | 290    | 0.18  |
|                                      | BP1335      | Whitehall Lane / Bridge Road       | 228    | 0.14  |
|                                      | 10729       | Bridge Road / Northend Road        | 90     | 0.06  |
|                                      | R0536       | Northend Road / Colyers Lane       | 427    | 0.27  |
|                                      | 22342       | Larner Road                        | 524    | 0.33  |
|                                      | 31473       | James Watt Way                     | 546    | 0.34  |
|                                      | BP2115      | Erith Health Centre                | 136    | 0.08  |
|                                      | BP4476      | Colebrook Street                   | 169    | 0.11  |
| ERITBR                               | BP2250      | Erith Town Centre / Riverside      | 145    | 0.09  |
| Total Route Mileage - Back Direction |             |                                    | 5805   | 3.61  |
|                                      |             |                                    | Metres | Miles |