

## 7. Service Specification

Route: N199

Contract Reference: QC53307

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>	N199
<b>Terminus Points</b>	Trafalgar Square and St. Mary Cray Station
<b>Contract Basis</b>	Incentivised
<b>Commencement Date</b>	17 <sup>th</sup> September 2016
<b>Vehicle Type</b>	87 capacity, dual door, double deck
<b>Current Maximum Approved Dimensions</b>	10.5 metres long and 2.55 metres wide
<b>New Vehicles Mandatory</b>	No
<b>Hybrid Price Required</b>	Yes
<b>Sponsored Route</b>	No
<b>Advertising Rights</b>	Operator
<b>Departing On Time - Route No. N199</b>	Departing on Time - No less than 82.00%
<b>Minimum Operated Mileage Standard - Route No. N199</b>	No less than 99.00%

The Date of Tender for this ITT is: No later than 12 Noon on 28<sup>th</sup> September 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
- 4) OPERATIONAL CONSIDERATIONS
- 5) ROUTE RECORD, 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. N199.

- From September 2015 a new night service Route No. N199 is specified between Trafalgar Square and St. Mary Cray Station.
- The weekday night service is specified with a frequency of every 30 minutes.
- The weekend night service is specified with a frequency of every 20 minutes.
- Route No. N199 should interwork with Route No. 199 to form a seamless 24 hour service between Canada Water Bus Station and Catford Bus Garage.

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. N199.

- **Joint bids with Route No. 199 are encouraged**

**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.**

**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.**

**Full iBus Monitoring was introduced on all night routes with effect from 1 April 2014.**

**Tenderers are therefore advised that on contracts where there is a night service both the day and night elements will be incentivised from the commencement of the Route Agreement in accordance with clause 46 of Annex B Terms and Conditions, using the Minimum Performance Standard(s) specified in Part 1 of the ITT.**

### 3) SCHEDULE REQUIREMENTS

#### 3.1) SUNDAY NIGHTS/MONDAYS MORNINGS TO THURSDAY NIGHTS/FRIDAY MORNINGS

Trafalgar Square, Duncannon Street to St. Mary Cray Station		St. Mary Cray Station to Trafalgar Square, Charing Cross Station	
First departure no later than 0105.		First departure no later than 0015.	
0100 - 0440	Every 30 minutes	0010 - 0350	Every 30 minutes
Last departure no earlier than 0435.		Last departure no earlier than 0345.	

Lewisham Bus Station to St. Mary Cray Station	
0120	One Journey

Trafalgar Square, Duncannon Street to Bellingham, Catford Bus Garage	
0435	One Journey

**Please identify the cost of the Nightly element of this service separately.**

#### 3.2) FRIDAY NIGHTS/SATURDAYS MORNINGS

Trafalgar Square, Duncannon Street to St. Mary Cray Station		St. Mary Cray Station to Trafalgar Square, Charing Cross Station	
First departure no later than 0025.		First departure no later than 0015.	
0020 - 0410	Every 20 minutes	0010 - 0340	Every 20 minutes
Last departure no earlier than 0405.		Last departure no earlier than 0335.	

Bellingham, Catford Bus Garage to Trafalgar Square , Duncannon Street	
0013 & 0033	Two Journeys

Lewisham Bus Station to St. Mary Cray Station	
0056	One Journey

Trafalgar Square , Duncannon Street to Bellingham, Catford Bus Garage	
0425 & 0445	Two Journeys

**Please identify the cost of the Nightly element of this service separately.**

### 3) SCHEDULE REQUIREMENTS - continued

#### 3.3) SATURDAYS NIGHTS/SUNDAYS MORNINGS

Trafalgar Square, Duncannon Street to St. Mary Cray Station		St. Mary Cray Station to Trafalgar Square, Charing Cross Station	
First departure no later than 0025.		First departure no later than 0015.	
0020 - 0510	Every 20 minutes	0010 - 0420	Every 20 minutes
Last departure no earlier than 0505.		Last departure no earlier than 0415	

Bellingham, Catford Bus Garage to Trafalgar Square , Duncannon Street	
0035	One Journey

Lewisham Bus Station to St. Mary Cray Station	
0055	One Journey

St. Mary Cray Station to Lewisham Bus Station	
0435, 0455, 0515	Three Journeys

**Please identify the cost of the Nightly element of this service separately.**

#### **4) OPERATIONAL CONSIDERATIONS**

- 4.1) Route No. N199 should interwork with Route No. 199 to form a seamless 24 hour service between Canada Water Bus Station and Catford Bus Garage.
- 4.2) As a result of a higher number of passenger at Trafalgar Square, loading times may be longer.
- 4.3) London Underground (LU) propose to introduce the continuous operation of LU services from first train on Friday morning to last train on Sunday night i.e. for 67 hours over the weekend. This will be on the full length of the Victoria and Jubilee lines and parts of the Central, Northern and Piccadilly lines. Trains will operate every 10 minutes. The proposal is scheduled to start on Friday 11<sup>th</sup> September 2015. This is known as Night Tube. The introduction of Night Tube will have a significant impact on night bus demand.

#### **5) ROUTE RECORD, IBUS MILEAGE & QSI POINTS**

- 5.1) ROUTE RECORD  
As per Busnet printout.
- 5.2) IBUS MILEAGE & QSI POINTS  
As per current print out.

# **LONDON BUSES - ROUTE DESCRIPTION**

## **ROUTE N199: Trafalgar Square - St Mary Cray Station**

**Date of Structural Change:** 12 September 2015.

**Date of Service Change:** 12 September 2015.

**Reason for Issue:** New Route.

### **STREETS TRAVERSED**

**Towards St Mary Cray Station:** Duncannon Street, Strand, Aldwych, Strand, Fleet Street, Ludgate Circus, Ludgate Hill, St Paul's Churchyard, Cannon Street, Friday Street, Queen Victoria Street, Cannon Street, King William Street, London Bridge, Duke Street Hill, Tooley Street, Jamaica Road, Lower Road, Surrey Quays Road, Canada Water Bus Station, Surrey Quays Road, Lower Road, Surrey Quays Shopping Centre Access Road, Deal Porters Wa, Redriff Road, Lower Road, Plough Way, Grove Street, Oxestalls Road, Evelyn Street, Creek Road, Greenwich Church Street, College Approach, King William Walk, Nelson Road, Greenwich High Road, Greenwich South Street, Lewisham Road, Loampit Vale, Lewisham High Street, Lee Bridge, Lewis Grove, Lewisham High Street, Rushey Green, Bromley Road, Bromley Hill, London Road, Tweedy Road, Kentish Way, Elmfield Road, Bromley High Street, Masons Hill, Bromley Common, Crown Lane Spur, Crown Lane, Southborough Lane, Franks Wood Avenue, Queensway, Towncourt Lane, Crofton Lane, Crofton Road, Station Road, Orpington High Street, Chislehurst Road, Goodmead Road, Perry Hall Road, Orpington High Street, Cray Avenue, Station Approach, Chipperfield Road.

**Towards Trafalgar Square:** Chipperfield Road, Leeson's Hill, Sevenoaks Way, Cray Avenue, Orpington High Street, Orpington War Memorial, Station Road, Crofton Road, Crofton Lane, Towncourt Lane, Queensway, Franks Wood Avenue, Southborough Lane, Crown Lane, Crown Lane Spur, Bromley Common, Masons Hill, Bromley High Street, Elmfield Road, Kentish Way, Widmore Road, East Street, West Street, College Road, Tweedy Road, London Road, Bromley Hill, Bromley Road, Rushey Green, Lewisham High Street, Lewis Grove, Lee Bridge, Lewisham High Street, Lewisham Road, Greenwich South Street, Greenwich High Road, Greenwich Church Street, Creek Road, Evelyn Street, Oxestalls Road, Grove Street, Plough Way, Plough Way Bus Gate, Rotherhithe New Road, Rotherhithe Old Road, Lower Road, Surrey Quays Road, Canada Water Bus Station, Surrey Quays Road, Lower Road, St Olav's Square, Jamaica Road, Tooley Street, Duke Street Hill, London Bridge, King William Street, Cannon Street, St Paul's Churchyard, Ludgate Hill, Ludgate Circus, Fleet Street, Strand.

## **AUTHORISED STANDS, CURTAILMENT POINTS, & BLIND DESCRIPTIONS**

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

### **TRAFALGAR SQUARE, NORTHUMBERLAND AVENUE, SOUTH SIDE**

Public stand for four buses on south side of Northumberland Avenue in 2 parts:

1. For two buses commencing at a point 16 metres east of the centre-line of Great Scotland Yard, extending 25 metres east;
2. For two buses commencing at a point 55 metres west of centre-line of Whitehall Place, extending 25 metres east.

Buses proceed from Strand via Charing Cross, Whitehall, Whitehall Place and Northumberland Avenue to stand, departing via Northumberland Avenue, Charing Cross, Trafalgar Square (South Side) and Trafalgar Square (East Side) to Duncannon Street. Set down in Strand, at stop K (146 - Trafalgar Square / Charing Cross Stn <># and pick up in Duncannon Street, at stop G (148 - Trafalgar Square / Charing Cross Stn <>#.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	None.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Trafalgar Square.

### **ALDWYCH, EAST ARM (from ST MARY CRAY STATION)**

Public offside stand for 6 buses on south side of Aldwych (east arm) commencing 10 metres west of Melbourne Place and extending 67 metres west. Overflow public stand for 3 buses on south side of Strand commencing 10 metres east of Surrey Street and extending 36 metres east.

Buses proceed from Strand via Aldwych to stand, departing via Aldwych to Strand. Set down in Strand, at stop R (34323 - Aldwych / Somerset House and pick up in Strand, at stop L (20438 - The Royal Courts Of Justice.

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:	Aldwych.



## **LONDON BRIDGE STATION (from ST MARY CRAY STATION)**

Buses proceed from Tooley Street via Duke Street Hill, Borough High Street, St Thomas Street and Stainer Street departing to Tooley Street. Set down in Tooley Street, at Stop S (2197 - London Bridge Station # <> and pick up in Tooley Street, at Stop H (33599 - Hay's Galleria).

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

## **CANADA WATER BUS STATION**

### From St Mary Cray Station.

Buses proceed from Canada Water Bus Station departing to Canada Water Bus Station. Set down in Canada Water Bus Station, at stop D (BP2390 - Canada Water Bus Station <> # and pick up in Canada Water Bus Station, at stop B2 (BP4336 - Canada Water Bus Station).

### From Trafalgar Square.

Buses proceed from Canada Water Bus Station departing to Canada Water Bus Station. Set down in Canada Water Bus Station, at stop A (BP2392 - Canada Water Bus Station and pick up in Canada Water Bus Station, at stop C (BP2391 - Canada Water Bus Station).

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

## **SURREY QUAYS STATION**

### From St Mary Cray Station.

Buses proceed from Rotherhithe Old Road departing to Lower Road. Set down in Rotherhithe Old Road, at stop S (33453 - Surrey Quays Station # and pick up in Lower Road, at stop M (25994 - Lower Road / Surrey Quays Station <>).

### From Trafalgar Square.

Buses proceed from Lower Road via Rotherhithe New Road departing to Rotherhithe Old Road. Set down in Lower Road, at stop M (25994 - Lower Road / Surrey Quays Station <> and pick up in Rotherhithe Old Road, at stop S (33453 - Surrey Quays Station #).

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

## **DEPTFORD CHURCH STREET**

### From St Mary Cray Station.

Buses proceed from Creek Road via Deptford Church Street departing to Creek Road. Set down in Creek Road, at stop H (25912 - Macmillan Students Village and pick up in Creek Road, at stop D (R0724 - Macmillan Students Village.

### From Trafalgar Square.

Buses proceed from Creek Road via Deptford Church Street and Creek Road departing to Evelyn Street. Set down in Creek Road, at stop C (25913 - Deptford High Street and pick up in Evelyn Street, at stop A (25915 - Deptford High Street.

AVAILABILITY:

At any time.

OPERATING RESTRICTIONS:

**Turning Point Only - Buses must not stand**

BLIND DISPLAY:

Deptford.

## **GREENWICH, CUTTY SARK**

### From St Mary Cray Station.

Buses proceed from Greenwich Church Street via College Approach and King William Walk departing to Nelson Road. Set down in Greenwich Church Street, at stop B (25906 - Greenwich Church Street and pick up in Nelson Road, at stop E (40015 - Greenwich Town Centre / Nelson Road.

### From Trafalgar Square.

Buses proceed from Creek Road via Greenwich Church Street, College Approach, King William Walk and Nelson Road departing to Greenwich Church Street. Set down in Creek Road, at stop A (BP2672 - Greenwich Town Centre / Cutty Sark Stn [dlr] and pick up in Greenwich Church Street, at stop B (25906 - Greenwich Church Street.

AVAILABILITY:

At any time.

OPERATING RESTRICTIONS:

**Turning Point Only - Buses must not stand**

BLIND DISPLAY:

Greenwich, Cutty Sark.

## **LEWISHAM HIGH STREET (from ST MARY CRAY STATION)**

Buses proceed from Lewisham High Street via Loampit Vale Roundabout departing to Lewisham High Street. Set down in Lewisham High Street, at stop P (BP1119 - Lewisham Clock Tower and pick up in Lewisham High Street, at stop J (BP1117 - Lewisham Police Station.

AVAILABILITY:

At any time.

OPERATING RESTRICTIONS:

**Turning Point Only - Buses must not stand**

BLIND DISPLAY:

Lewisham.

### **LEWISHAM, MOLESWORTH STREET [NORTH] (from Trafalgar Square)**

Public stand for 10 buses on east side of Molesworth Street commencing at lamp standard no.22 in line with a point opposite the southern kerb line of exit road from office block, and extending 118 metres north.

Buses proceed from Loampit Vale Roundabout via Molesworth Street to stand, departing via Molesworth Street to Lewisham High Street. Set down in Molesworth Street, at stop Q (BP393 - Molesworth Street and pick up in Lewisham High Street, at stop V (BP1114 - Lewisham Centre.

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:	Lewisham, Shopping Centre.

### **CATFORD BUS GARAGE**

Private stand on forecourt of Stagecoach's Catford Bus Garage.

From St Mary Cray Station.

Buses proceed from direct to stand, departing to . Set down {Not Specified} and pick up {Not Specified}.

From Trafalgar Square.

Buses proceed from direct to stand, departing to . Set down {Not Specified} and pick up {Not Specified}.

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:	Bellingham, Catford Bus Garage.

### **BROMLEY SOUTH, WESTMORELAND ROAD (from Trafalgar Square)**

Public stand for 2 buses on east side of Simpsons Road commencing opposite and 3 metres north of lamp standard No S71/1 and extending 22 metres north. Overflow public stand for 2 buses prior to main stand on south side of Simpsons Road commencing 4 metres west of lamp standard No. S71/6 and extending 20 metres east.

Buses proceed from Bromley High Street via Westmoreland Road and Simpson's Road to stand, departing via Simpson's Road and Westmoreland Road to Bromley High Street. Set down in Bromley High Street, at Stop Z (40104 - Bromley South Station # and pick up in Bromley High Street, at Stop U (14797 - Bromley South Station #.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Bromley South.

### **PETTS WOOD STATION, WEST APPROACH (from Trafalgar Square)**

Public stand for up to 2 buses on north side of West Approach commencing opposite and 2 metres west of lamp standard No. 18W2 and extending 18.5 metres west.

Buses proceed from Queensway via West Approach to stand, departing via West Approach, Bus Turning Circle and West Approach to Queensway. Set down in Queensway, at stop B (33222 - Queensway / Petts Wood Station# and pick up in Queensway, at stop C (33221 - Queensway / Petts Wood Station #.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Petts Wood.

### **ORPINGTON, PERRY HALL ROAD (from Trafalgar Square)**

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

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

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only.
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	Orpington, Perry Hall Road.

### **ST. MARY CRAY STATION**

Public stand for one bus on west side of Chipperfield Road commencing 1 metre south of lamp standard No. PS26 and extending 12 metres south.

Buses proceed from Chipperfield Road direct to stand, departing to Chipperfield Road. Set down in Chipperfield Road, at Stop SA (26141 - St Mary Cray Station # and pick up in Chipperfield Road, at Stop SA (26141 - St Mary Cray Station #.

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	None
MEAL RELIEFS:	No meal relief vehicles to stand at any time.
FERRY VEHICLES:	No ferry vehicles to park on stand at any time.
BLIND DISPLAY:	St. Mary Cray Station.

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

v2.0 - Mileage directly imported from Caesar

## TRANCHE 533

Trafalgar Sq - St.Mary Cray via Canada Water Bus Stn

Route N199

Service change 31968

Date 14/11/2012

Reason for Issue

End of Tooley Street diversion

QSI Points are highlighted.

		OUT DIRECTION			
Timing Point Code	Stop Number	Stop Name	Metres	Miles	
TFSQDS	148	Trafalgar Square / Charing Cross Stn			
AWCHWA	7853	Southampton Street	356	0.22	
	14628	Aldwych	341	0.21	
	20438	The Royal Courts Of Justice	347	0.22	
	3177	Fetter Lane	422	0.26	
	969	Ludgate Circus	238	0.15	
LUDGCS	14501	Ludgate Hill / Old Bailey	240	0.15	
	8601	St Paul's Cathedral	315	0.20	
	8551	Mansion House Station	200	0.12	
	8553	Cannon Street Station	280	0.17	
	BP140	Monument Station	492	0.31	
	LONBLBY	BP892	London Bridge	313	0.19
	2198	London Bridge Station	153	0.10	
	33599	Hay's Galleria	229	0.14	
	R0049	Abbots Lane	205	0.13	
	BP4909	City Hall	131	0.08	
	25936	Tower Bridge Road / City Hall	153	0.10	
	654	Tower Bridge Police Station	173	0.11	
	33841	Dockhead	386	0.24	
	25932	Jamaica Road / Abbey Street	223	0.14	
	1204	Bermondsey Station	281	0.17	
	25928	Drummond Road	213	0.13	
BERMSN	25926	Southwark Park	380	0.24	
	R0741	Neptune Street / St Olaves Estate	300	0.19	
	25924	Surrey Quays Road	150	0.09	
CANWBS	BP4336	Canada Water Bus Station	710	0.44	
	25923	Rotherhithe Police Station	488	0.30	
SROQSC	40069	Surrey Quays Shopping Centre	412	0.26	
	13688	Surrey Quays Station	93	0.06	
	25984	Lower Road / Surrey Quays Station	192	0.12	
	40072	Yeoman Street	371	0.23	
	R0442	Dunnage Crescent	382	0.24	
	BP3882	Grove Street / Plough Way	162	0.10	
	R0443	Windlass Place	243	0.15	
	R0444	Riverside Youth Club	137	0.09	
	R0445	Deptford Park School	217	0.13	
	2227	Evelyn Street / Grinstead Road	184	0.11	
	915	Deptford Fire Station	280	0.17	
	25916	Abinger Grove	246	0.15	
	BP5455	Sayes Court Estate	265	0.16	
	25913	Deptford High Street	250	0.16	
	R0724	Macmillan Students Village	238	0.15	
	25909	Creekside	306	0.19	
	25907	Creek Road / Norman Road	202	0.13	
	BP2672	Greenwich Twn Ctr / Cutty Sark Stn	223	0.14	
GNCHNR	40015	Greenwich Town Centre / Nelson Road	360	0.24	
	13823	Greenwich High Road / Royal Hill	233	0.14	
	13821	Greenwich Station	125	0.08	
	26010	Ashburnham Grove	422	0.26	
	26012	Greenwich South Street / Blackheath Ro	175	0.11	
	26014	Sparta Street	256	0.16	
	26016	Morden Hill	262	0.16	
	26018	Blackheath Rise	208	0.13	
LEWSLR	281	Lewisham Station	322	0.20	
	BP1117	Lewisham Police Station	185	0.11	
	BP1116	Lewisham Centre	337	0.21	
	26285	Morley Road	285	0.18	
	34265	Ladywell Leisure Centre	237	0.15	
	26283	Lewisham Park	316	0.20	
	26281	Lewisham Hospital	144	0.09	
	925	George Lane	259	0.16	
	26279	Rosenthal Road	298	0.19	
	1992	The Catford Centre	415	0.26	
	26276	Bromley Road / Lewisham Town Hall	153	0.10	
CATFTHB	26274	Inchmery Road	481	0.30	
	1998	Newquay Road	254	0.16	
	TL GR	29810	Catford Bus Garage	276	0.17
	26273	Bellingham Road	100	0.06	
	2000	Catford Police Station	329	0.20	
	BP600	Southend Lane	202	0.13	
	2004	Bromley Road / the Pond	270	0.17	
	26269	Old Bromley Road	506	0.31	
DNHMDW	26267	Bromley Road / Downham Way	253	0.16	
	4747	Ashgrove Road	219	0.14	
	18189	Bromley Hill Cemetery	416	0.26	
	27962	Bromley Court Hotel	293	0.18	
	3922	Park Avenue	308	0.19	
	18191	Warner Road	272	0.17	
	18193	Farwig Lane	292	0.18	
	BP056	Bromley / Magistrates Court	291	0.18	
	BP051	Bromley / the Greyhound	237	0.15	
	BP050	Bromley / Market Square	146	0.09	
	BP053	Bromley Town Hall	213	0.13	
	BP055	Bromley Civic Centre	190	0.12	
	40234	Bromley High Street / the Mall	598	0.37	
BROMSS	40104	Bromley South Station	164	0.10	
	14457	Cromwell Avenue	273	0.17	
	19276	Bertha James Day Centre	410	0.25	
	3912	Homesdale Road	129	0.08	
	18196	Southlands Road	577	0.36	
	BOCMCR	1242	Bromley Common / the Crown	358	0.22
	36645	Crown Lane Spur	264	0.16	
	11752	Southborough Library	473	0.29	
	16996	The Fairway	495	0.31	
	25472	Southborough Lane / Blackbrook Lane	308	0.19	
	27602	Oxhathw Crescent / West Arm	434	0.27	
	27604	Southborough Lane / Baptist Church	342	0.21	
	R0557	Crescent Drive	235	0.15	
PTWDQW	33222	Queensway / Petts Wood Station	412	0.26	
	33224	Jersey Drive	504	0.31	
	33225	Crofton School	462	0.29	
	33228	Place Farm Avenue	332	0.21	
	33230	St Thomas Drive	541	0.34	
	33231	Crofton Lane / Crofton Road	242	0.15	
	18948	Pound Court Drive	275	0.17	
	18950	Orpington Station	566	0.35	
	18952	Tubbenden Lane	215	0.13	
	12239	High Street / Orpington War Memorial	547	0.34	
	R0520	Walnuts Centre	313	0.19	
R0514	High Street / Broomhill Road	228	0.14		
ORPNPH	34274	Goodwood Road	467	0.29	
	12445	Carlton Parade	382	0.24	
	19000	Kent Road	607	0.38	
	18998	Nugent Retail Park	524	0.33	
	26143	St Mary Cray / Station Approach	441	0.27	
SMCYSN	26141	St Mary Cray Station	332	0.21	
Total Route Mileage - Out Direction			35132	21.83	
			Metres	Miles	

BACK DIRECTION						
Timing Point Code	Stop Number	Stop Name	Metres	Miles		
SMCYSN	26141	St Mary Cray Station				
	BP3238	Cray Avenue	357	0.22		
	18997	Nugent Retail Park	535	0.33		
	18999	Stanley Way	344	0.21		
	19001	Kent Road	206	0.13		
ORPNPH	35743	High Street / Carlton Parade	917	0.57		
	12444	High Street / Church Hill	352	0.22		
	12442	Walnuts Centre	287	0.18		
	12240	High Street / Orpington War Memorial	360	0.22		
	13953	Tubbenden Lane	612	0.38		
	18951	Orpington Station	335	0.21		
	18949	Pound Court Drive	574	0.36		
	3231	Crofton Lane / Crofton Road	306	0.19		
	33229	St Thomas Drive	188	0.12		
	33227	Place Farm Avenue	385	0.24		
	33226	Crofton School	230	0.14		
	33223	Jersey Drive	544	0.34		
PTWDQW	33221	Queensway / Petts Wood Station	566	0.35		
	27606	Petts Wood Library	202	0.13		
	29841	Crescent Drive	305	0.19		
	27605	Oxhathw Crescent / East Arm	240	0.15		
	27603	Oxhathw Crescent / West Arm	332	0.21		
	27601	Southborough Lane / Blackbrook Lane	458	0.28		
	19695	The Fairway	204	0.13		
	19697	Southborough Library	527	0.33		
	40060	Newton Terrace	371	0.23		
	19773	Bromley Common / the Crown	339	0.21		
	18197	Southlands Road	455	0.28		
	3911	Homesdale Road	298	0.19		
	19277	Bertha James Day Centre	394	0.24		
	BP067	Cromwell Avenue	300	0.19		
BROMSS	14797	Bromley South Station	276	0.17		
	BP042	Elmfield Road / the Glades	351	0.22		
	BP054	Bromley Civic Centre	379	0.24		
	40105	Bromley Town Hall	285	0.18		
	R0558	Bromley / Market Square	161	0.10		
	BP052	Bromley / the Greyhound	159	0.10		
	18195	Bromley / Magistrates Court	200	0.12		
	18194	Farwig Lane	408	0.25		
	18192	Warner Road	259	0.16		
	3619	Park Avenue	376	0.23		
	27961	Bromley Court Hotel	213	0.13		
	18190	Bromley Hill Cemetery	248	0.15		
	4748	Ashgrove Road	398	0.25		
	DNHMDW	26268	Bromley Road / Downham Way	313	0.19	
	2005	Old Bromley Road	234	0.15		
	4749	Bromley Road / the Pond	228	0.14		
	BP661	Southend Lane	376	0.23		
	7566	Catford Police Station	258	0.16		
	1999	Bellingham Road	216	0.13		
	TL GR	33056	Newquay Road	460	0.29	
	2127	Inchmery Road	213	0.13		
	1995	Bargery Road	230	0.14		
CATFTHB	14625	Bromley Road / Lewisham Town Hall	390	0.24		
	R0567	The Catford Centre	388	0.24		
	26278	Rosenthal Road	263	0.16		
	26280	George Lane	293	0.18		
	R0401	Lewisham Hospital	164	0.10		
	4752	Lewisham Park	175	0.11		
	26284	Ladywell Leisure Centre	332	0.21		
	BP1114	Lewisham Centre	549	0.34		
	BP1119	Lewisham Clock Tower	228	0.14		
LEWSLR	BP049	Lewisham Station	361	0.23		
	R0640	Blackheath Rise	347	0.22		
	26015	Morden Hill	168	0.10		
	26013	Sparta Street	278	0.17		
	26011	Greenwich South Street / Blackheath Roa	263	0.16		
	26009	Ashburnham Grove	237	0.15		
	26007	Greenwich Station	217	0.13		
	26709	Greenwich High Road / Roan Street	274	0.17		
GNCHCH	25906	Greenwich Church Street	223	0.14		
	25908	Creek Road / Norman Road	341	0.21		
	25910	Creekside	253	0.16		
	25912	Macmillan Students Village	260	0.16		
	25915	Deptford High Street	427	0.27		
	25917	Abinger Grove	342	0.21		
	25918	Deptford Fire Station	268	0.17		
	R0446	Deptford Park School	433	0.27		
	35611	Riverside Youth Club	210	0.13		
	35607	Windlass Place	163	0.11		
	BP3881	Grove Street / Plough Way	209	0.13		
	R0441	Dunnage Crescent	172	0.11		
	40073	Yeoman Street	378	0.23		
SROYSN	33453	Surrey Quays Station	582	0.36		
	2216	Rotherhithe Police Station	386	0.24		
	BP2393	Canada Water Bus Station	1348	0.84		
	622	Neptune Street / St Olaves Estate	499	0.31		
	25927	Southwark Park	307	0.19		
	25929	Drummond Road	303	0.19		
BERMSN	BP2447	Bermondsey Station	226	0.14		
	33850	St James's Road	193	0.12		
	33905	Jamaica Road / Abbey Street	243	0.15		
	33906	Dockhead	175	0.11		
	BP3963	Tanner Street	181	0.11		
	BP3964	Tower Bridge Magistrates Court	233	0.14		
	BP3965	Tooley Street / City Hall	270	0.17		
	2197	London Bridge Station	467	0.29		
LONBSC	978	London Bridge	226	0.14		
	2123	Monument Station	324	0.20		
	8552	Cannon Street Station	328	0.20		
	1152	St Paul's Churchyard	572	0.36		
	8602	St Paul's Cathedral	193	0.12		
	LUDGCS	8581	City Thameslink Stn / Ludgate Circus	289	0.18	
	202	Shoe Lane	222	0.14		
	8570	Fetter Lane	117	0.07		
	3178	Chancery Lane	149	0.09		
	AWOHLG	24462	The Royal Courts Of Justice	246	0.15	
	34323	Allday's / Somerset House	226	0.14		
	14627	Savoy Street	322	0.20		
	7852	Bedford Street	229	0.14		
	TFSQCC	146	Trafalgar Square / Charing Cross Stn	273	0.17	
Total Route Mileage - Back Direction			35518	22.07		
				Metres	Miles	