

7. Service Specification

Route: 160 & 660

Contract Reference: QC74802

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.

Terminus Points – Route No. 160	Catford and Sidcup Station, Jubilee Way
Terminus Points – Route No. 660	Bromley Road, Daneby Road to Bexley Road, Riefeld Road
Contract Basis	Incentivised
Commencement Date	18 th September 2021
Vehicle Type	87 capacity, dual door, double deck
Current Maximum Approved Dimensions	10.2 metres long and 2.55 metres wide
New Vehicles Mandatory	Yes
Hybrid Price Required	Yes
Electric Price Required (for double deck vehicles)	Yes - Please note
Sponsored Route	No
Advertising Rights	Operator
Minimum Performance Standard – Route No. 160	Departing on Time - No less than 78.00%
Extension Threshold – Route No. 160	Departing on Time Threshold - 81.00%
Minimum Operated Mileage Standard – Route No. 160	No less than 98.00%
Departing on Time – Route No. 660	No less than 100.00%
Departing Early – Route No. 660	No more than 0.00%
Deductible Lost Mileage – Route No. 660	No more than 0.00%
Non Deductible Lost Mileage – Route No. 660	No more than 0.00%

The Date of Tender for this ITT is:

No later than 12 Noon on Tuesday 8th September 2020

Tenderers should refer to section 3 of Part A for the Service Specification Explanatory Notes and Appendix B of section 5 for the Example Service Specification of the ITT document.

SERVICE SPECIFICATION

- 1) SERVICE SPEC - ROUTE SPECIFICATION INFORMATION
- 2) NOTES
- 3) SCHEDULE REQUIREMENTS & PINCHPOINTS
- 4) OPERATIONAL CONSIDERATIONS
- 5) ROUTE RECORD, CURRENT PERFORMANCE, QSI BY TIME OF DAY, IBUS MILEAGE & QSI POINTS

2) NOTES

Proposed Changes:

At this time, no changes are proposed to the existing service for introduction prior to the commencement of the new Route Agreement for Route No. 160 & 660.

Tenderers should note that there are no changes proposed as part of this Service Specification for Route No. 160 & 660

Tenderers should refer to Route No. 660 schedules dated 03/09/2018 rather than the current emergency schedules.

- Tenderers should note that Route Nos. 160 & 660 are contracted as a single route and thus bids must be submitted on this basis.

Operators should provide the following prices:

1. Annual diesel-electric hybrid price - based on minimum 5 year contract.
2. Annual electric price - based on a minimum 5 year contract. Tenderers should outline the strategy they would adopt for recharging these vehicles, together with any other operational and infrastructure assumptions, within the tender submission.

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

1. Alternative Zero Emission vehicles (e.g. hydrogen).
2. Vehicles that offer genuine increased capacity and are certified as such.
3. Existing vehicles. Costs must include upgrading to EURO VI Emissions Standards where required. Please note that existing diesel vehicles will **NOT** be considered for routes which are already operated by hybrids. For routes already operated by Zero Emission vehicles, no other type will be considered.

If submitting bids based on electric vehicles, Tenderers are reminded of the revised charging equipment specification requirements applicable from Tranche 726.

The welfare of bus drivers during their working day is essential, and appropriate locations for sign-on and sign-off as well as meal reliefs should be identified within the bid. These locations should have appropriate facilities available for drivers at the beginning and end of shifts to carry out their duties (including fitness for duty). For breaks and periods of rest between work there should be appropriate toilet provision (including the availability, condition and cleanliness of the facilities) and suitable locations to take a break. Whilst the obligation to provide suitable facilities remains with the bus operator, if there are any risks in not being able to supply these, the bus operator must make TfL aware in their tender or at any later stage when this becomes apparent.

3) SCHEDULE REQUIREMENTS & PINCHPOINTS

3.1) MONDAY TO FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

ROUTE NO. 160

Catford, Thomas Lane to Sidcup Station, Jubilee Way			Sidcup Station, Jubilee Way to Catford Bridge Station		
First departure no later than 0530.			First departure no later than 0520.		
0525 - 0630	Every 20 minutes		0515 - 0600	Every 20 minutes	
0631 - 1930	Every 15 minutes		0601 - 1930	Every 15 minutes	
1931 - 2130	Every 20 minutes		1931 - 2130	Every 20 minutes	
2131 - 0020	Every 30 minutes		2131 - 0020	Every 30 minutes	
Last departure no earlier than 0015.			Last departure no earlier than 0015.		
Pinchpoints					
Chislehurst, War Memorial	0705 - 0905	15 minutes	Eltham High Street, Boots	0700 - 0900	15 minutes
	1500 - 1640	15 minutes		1455 - 1625	15 minutes

3.1) MONDAY TO FRIDAY (EXCEPT WEDNESDAYS) SCHOOLDAYS SCHEDULE REQUIREMENTS

ROUTE NO. 660

Bromley Road, Daneby Road to Bexley Road, Riefield Road		Bexley Road, Riefield Road to Bromley Road, Daneby Road	
0739	One journey	1540	One journey

3.2) WEDNESDAYS SCHOOLDAYS SCHEDULE REQUIREMENTS

ROUTE NO. 660

Bromley Road, Daneby Road to Bexley Road, Riefield Road		Bexley Road, Riefield Road to Bromley Road, Daneby Road	
0739	One journey	1420	One journey

The timetable for Route No. 660 is specifically designed to meet the start and finish times of Stationers' Crown Woods Academy in the Bexley area.

3.2) SATURDAY AND GOOD FRIDAY SCHEDULE REQUIREMENTS & PINCHPOINTS

ROUTE NO. 160

Catford, Thomas Lane to Sidcup Station, Jubilee Way		Sidcup Station, Jubilee Way to Catford Bridge Station			
First departure no later than 0530.		First departure no later than 0520.			
0525 - 0730	Every 30 minutes	0515 - 0745	Every 30 minutes		
0731 - 0810	Every 20 minutes	0746 - 0825	Every 20 minutes		
0811 - 1855	Every 15 minutes	0826 - 1855	Every 15 minutes		
1856 - 2015	Every 20 minutes	1856 - 2015	Every 20 minutes		
2016 - 0020	Every 30 minutes	2016 - 0020	Every 30 minutes		
Last departure no earlier than 0015.		Last departure no earlier than 0015.			
Pinchpoints					
Chislehurst, War Memorial	0845 - 1100	15 minutes	Eltham High Street, Boots	0850 - 1105	15 minutes

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

ROUTE NO. 160

Catford, Thomas Lane to Sidcup Station, Jubilee Way		Sidcup Station, Jubilee Way to Catford Bridge Station			
First departure no later than 0645.		First departure no later than 0645.			
0640 - 0940	Every 30 minutes	0640 - 0940	Every 30 minutes		
0941 - 1820	Every 20 minutes	0941 - 1920	Every 20 minutes		
1821 - 0020	Every 30 minutes	1921 - 0020	Every 30 minutes		
Last departure no earlier than 0015.		Last departure no earlier than 0015.			
Pinchpoints					
Chislehurst, War Memorial	1025 - 1125	20 minutes	Eltham High Street, Boots	1015 - 1115	20 minutes

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

4) OPERATIONAL CONSIDERATIONS

None applicable.

**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 160: Catford, Thomas Lane - Sidcup Station

Date of Structural Change: 18 September 2021.

Date of Service Change: 18 September 2021.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Sidcup Station: Thomas Lane, Catford Road, Rushey Green, Brownhill Road, Plassy Road, Sangley Road, Sandhurst Road, Verdant Lane, St Mildreds Road, Westhorpe Avenue, Yorkshire Grey Roundabout, Middle Park Avenue, Kingsground, Eltham Hill, Eltham High Street, Southend Crescent, Footscray Road, Southwood Road, Green Lane, Edgebury, Belmont Lane, Green Lane, Heathfield Lane, Loop Road, Centre Common Road, Bromley Lane, Perry Street, Frogna Corner, Chislehurst Road, Elm Road, Station Road, Hatherley Crescent, Faraday Avenue, Jubilee Way, Bus Turning Circle, Jubilee Way.

Towards Catford, Thomas Lane: Jubilee Way, Faraday Avenue, Hatherley Crescent, Station Road, Elm Road, Chislehurst Road, Frogna Corner, Perry Street, Bromley Lane, Centre Common Road, Chislehurst High Street, Albany Road, Green Lane, Belmont Lane, Edgebury, Green Lane, Southwood Road, Footscray Road, Southend Crescent, Eltham High Street, Eltham Hill, Kingsground, Middle Park Avenue, Yorkshire Grey Roundabout, Westhorpe Avenue, St Mildreds Road, Verdant Lane, Sandhurst Road, Sangley Road, Rushey Green, Catford Road, Doggett 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.

CATFORD, THOMAS LANE

Public stand for three buses on east side of Thomas Lane, commencing 25 metres south of the south kerbline of Holbeach Road and extending 25 metres south.

Buses proceed from Thomas Lane via Holbeach Road and Doggett Road to stand, departing to Thomas Lane. Set down in Doggett Road, at Stop AA (40089 - Catford Bridge Station # and pick up in Thomas Lane, at Stop Q (40090 - Thomas Lane, First Stop on LOR: 40090 - Thomas Lane).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 2 buses on Route 160 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:	Catford Bridge.

HITHER GREEN, SANDHURST ROAD (from SIDCUP STATION)

Buses proceed from Sandhurst Road via Torridon Road and Brownhill Road departing to St Mildreds Road. Set down in Sandhurst Road, at Stop V (43008 - Minard Road, Last Stop on LOR: 43008 - Minard Road) and pick up in St Mildreds Road, at Stop J (17483 - Parkcroft Road, First Stop on LOR: 17483 - Parkcroft Road).

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

ELTHAM GREEN, MIDDLE PARK AVENUE (from SIDCUP STATION)

Buses proceed from Middle Park Avenue via Yorkshire Grey Roundabout departing to Middle Park Avenue. Set down in Middle Park Avenue, at stop WK (12225 - Middle Park Avenue / Westhorpe Avenue, Last Stop on LOR: 12225 - Middle Park Avenue / Westhorpe Avenue) and pick up in Middle Park Avenue, at stop EO (12226 - Eltham Green School, First Stop on LOR: 12226 - Eltham Green School).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Turning Point Only - Buses must not stand
BLIND DISPLAY:	Eltham, Yorkshire Grey.

ELTHAM, HIGH STREET

Public stand for 3 buses on north side of Eltham High Street opposite Marlowe Gardens commencing 4 metres west of lamp standard No. 89 and extending 36 metres west.

From Catford, Thomas Lane.

Buses proceed from Eltham High Street direct to stand, departing via Eltham High Street, Southend Crescent and Footscray Road to Eltham High Street. Set down in Eltham High Street, at Stop Q (12924 - Eltham High Street / Pound Place, Last Stop on LOR: 12924 - Eltham High Street / Pound Place) and pick up in Eltham High Street, at Stop P (20548 - Eltham High Street / St Mary's Place, First Stop on LOR: 20548 - Eltham High Street / St Mary's Place).

From Sidcup Station.

Buses proceed from Footscray Road via Eltham High Street to stand, departing via Eltham High Street to Southend Crescent. Set down in Footscray Road, at Stop FGat Stop FG (3379 - Footscray Road / Southend Crescent, Last Stop on LOR: 3379 - Footscray Road / Southend Crescent) and pick up in Southend Crescent, at Stop B (34443 - Southend Crescent / Wythens Walk, First Stop on LOR: 34443 - Southend Crescent / Wythens Walk).

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:	Eltham, High Street.

NEW ELTHAM STATION

Buses proceed out of service from Footscray Road. Set down in Footscray Road, at Stop J (1680 - New Eltham Station # / Footscray Road, Last Stop on LOR: 1680 - New Eltham Station # / Footscray Road).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Unscheduled curtailments only
BLIND DISPLAY:	New Eltham Station.

CHISLEHURST, GORDON ARMS (from SIDCUP STATION)

Public stand for up to 3 buses on east side of Green Lane commencing 3 metres south of lamp standard No. G3617 and extending 31 metres north.

Buses proceed from Albany Road via Green Lane to stand, departing via Green Lane and Heathfield Lane to Loop Road. Set down in Albany Road, at Stop B (19918 - Albany Road / Green Lane, Last Stop on LOR: 19918 - Albany Road / Green Lane) and pick up in Loop Road, at Stop M (27780 - Loop Road, First Stop on LOR: 27780 - Loop Road).

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

CHISLEHURST, WAR MEMORIAL (from Catford, Thomas Lane)

Private stand for 2 buses on south side of Pound Way between the two arms of Royal Parade.

Buses proceed from Centre Common Road via Bromley Lane and Pound Way to stand, departing via Pound Way and Royal Parade to Centre Common Road. Set down in Centre Common Road, at Stop P (17523 - Centre Common Road / War Memorial, Last Stop on LOR: 17523 - Centre Common Road / War Memorial) and pick up in Centre Common Road, at Stop N (17522 - Centre Common Road / War Memorial, First Stop on LOR: 17522 - Centre Common Road / War Memorial).

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

SIDCUP QUEEN MARY'S HOSPITAL (from Catford, Thomas Lane)

Buses proceed from Chislehurst Road via Frogna Avenue departing to Chislehurst Road. Set down in Chislehurst Road, at Stop HJ (16648 - Queen Mary's Hospital, Last Stop on LOR: 16648 - Queen Mary's Hospital) and pick up in Chislehurst Road, at Stop HH (16649 - Queen Mary's Hospital, First Stop on LOR: 16649 - Queen Mary's Hospital).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	Turning Point Only - Buses must not stand
BLIND DISPLAY:	Queen Mary's Hospital.

SIDCUP STATION, JUBILEE WAY

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

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

AVAILABILITY: At any time.

OPERATING RESTRICTIONS: No more than 2 buses on Route 160 should be scheduled to stand at any one time.

MEAL RELIEFS: No meal relief vehicles to stand at any time.

FERRY VEHICLES: No ferry vehicles to park on stand at any time.

BLIND DISPLAY: Sidcup Station.

OTHER INFORMATION: South Eastern Trains toilet facilities available 0600-2000 daily.

LONDON BUSES - ROUTE DESCRIPTION

ROUTE 660: Catford Bus Garage - Avery Hill, Crown Woods School

Date of Structural Change: 18 September 2021.

Date of Service Change: 18 September 2021.

Reason for Issue: New Tender.

STREETS TRAVERSED

Towards Avery Hill, Crown Woods School: Bromley Road, Rushey Green, Brownhill Road, St Mildreds Road, Westhorne Avenue, Yorkshire Grey Roundabout, Middle Park Avenue, Kingsground, Eltham Hill, Eltham High Street, Bexley Road.

Towards Catford Bus Garage: Bexley Road, Avery Hill Road, Circumnavigate Roundabout At Junction With Halfway Street, Avery Hill Road, Bexley Road, Eltham High Street, Eltham Hill, Kingsground, Middle Park Avenue, Yorkshire Grey Roundabout, Westhorne Avenue, St Mildreds Road, Brownhill Road, Plassy Road, Sangley Road, Bromley 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.

CATFORD BUS GARAGE

Buses proceed out of service from Bromley Road. Buses depart from out of service to Bromley Road. Set down in Bromley Road (BP4534 - Catford Garage, Last Stop on LOR: BP4534 - Catford Garage) and pick up in Bromley Road, at Stop BC (33056 - Newquay Road, First Stop on LOR: 33056 - Newquay Road).

AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	No more than 1 bus on Route 660 should be scheduled to stand at any one time.
BLIND DISPLAY:	Bellingham, Catford Bus Garage.
OTHER INFORMATION:	No toilet facilities available.

AVERY HILL, BEXLEY ROAD

Buses proceed out of service from Bexley Road. Buses depart from out of service to Bexley Road. Set down in Bexley Road, at Stop AY (BP3597 - Bexley Road / Crown Woods School, Last Stop on LOR: BP3597 - Bexley Road / Crown Woods School) and pick up in Bexley Road, at Stop AY (BP3597 - Bexley Road / Crown Woods School, First Stop on LOR: BP3597 - Bexley Road / Crown Woods School).

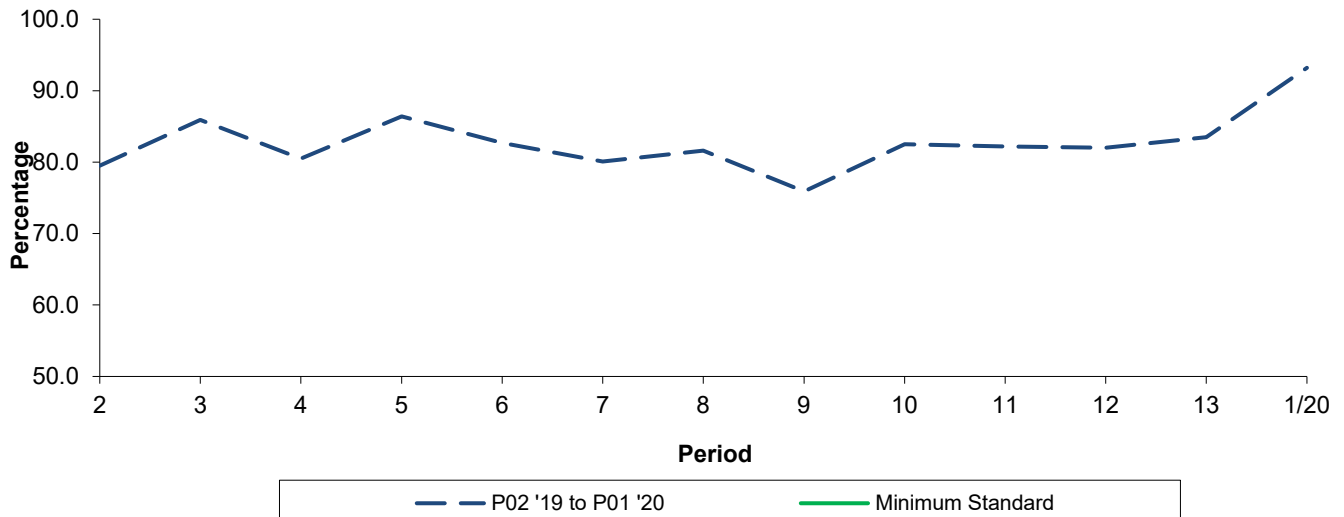
AVAILABILITY:	At any time.
OPERATING RESTRICTIONS:	None.
BLIND DISPLAY:	Crown Woods School.
OTHER INFORMATION:	Turning point only - Buses must not wait longer than is necessary to pick up and set down passengers at these stops.

Period Trend Performance Graphs

Route 160

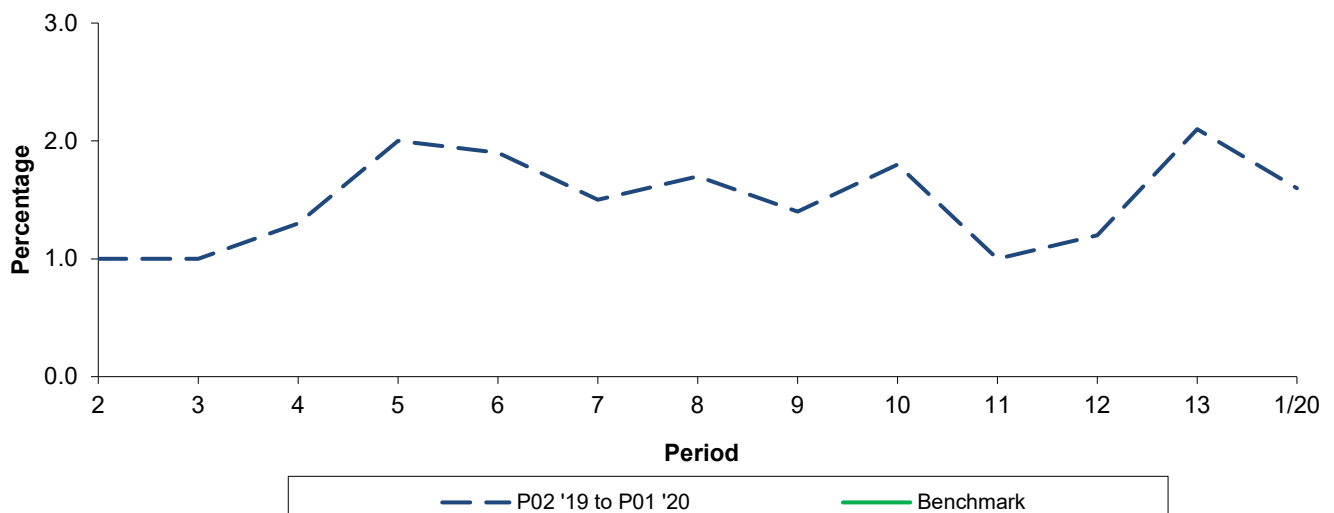
Reliability Performance

Low Frequency - On-Time (%)



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	79.50	85.90	80.50	86.40	82.70	80.10	81.60	75.90	82.50	82.20	82.00	83.50	93.20
Minimum Standard													

Low Frequency - Early (%)



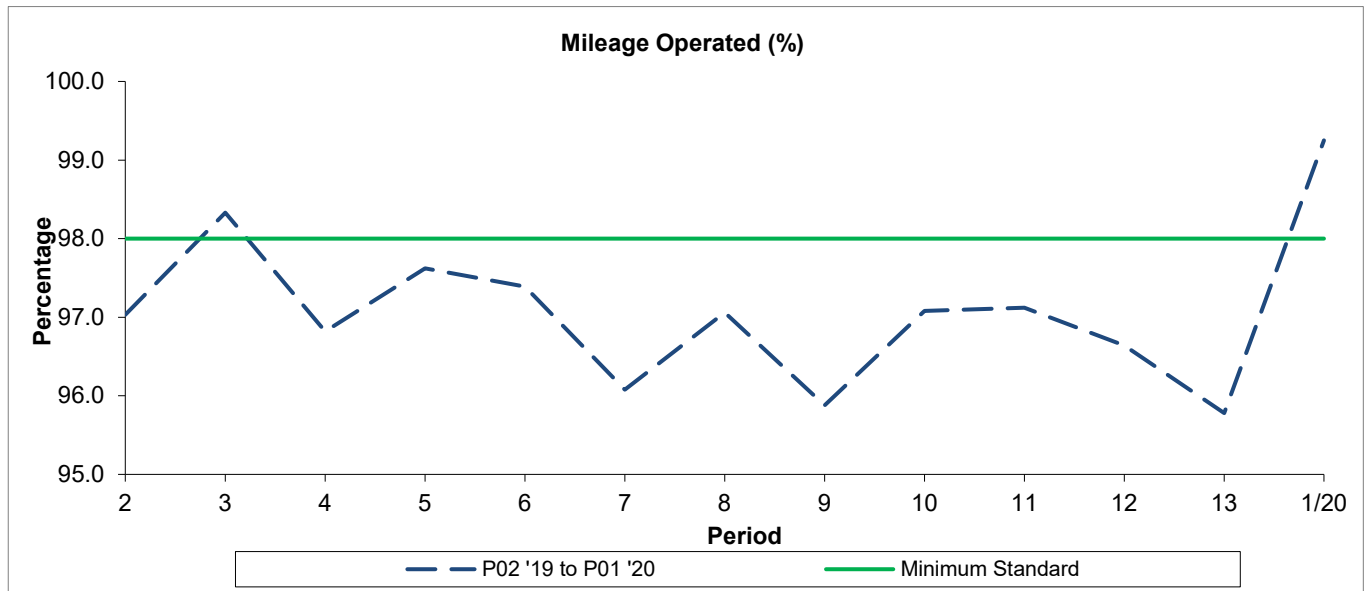
Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	1.00	1.00	1.30	2.00	1.90	1.50	1.70	1.40	1.80	1.00	1.20	2.10	1.60
Benchmark													

Minimum Standards and Benchmarks are those applicable under the new contract.

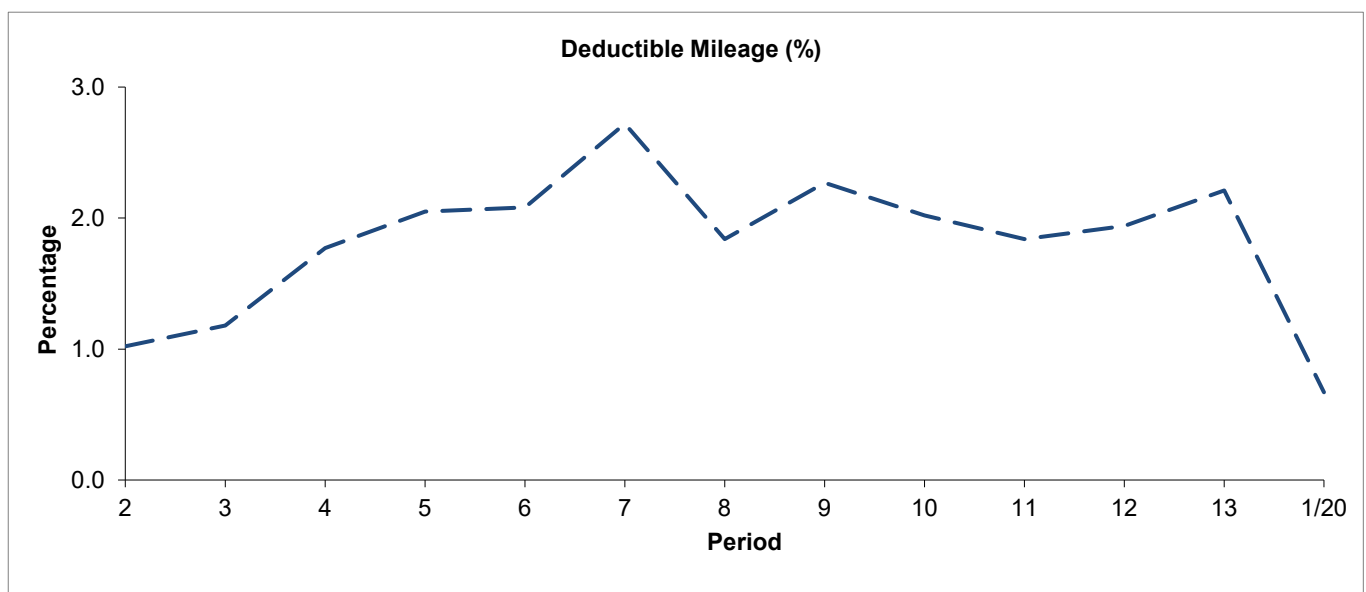
Period Trend Performance Graphs

Route 160

Mileage Performance



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	97.03	98.33	96.82	97.62	97.39	96.08	97.06	95.88	97.08	97.12	96.64	95.78	99.25
Minimum 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

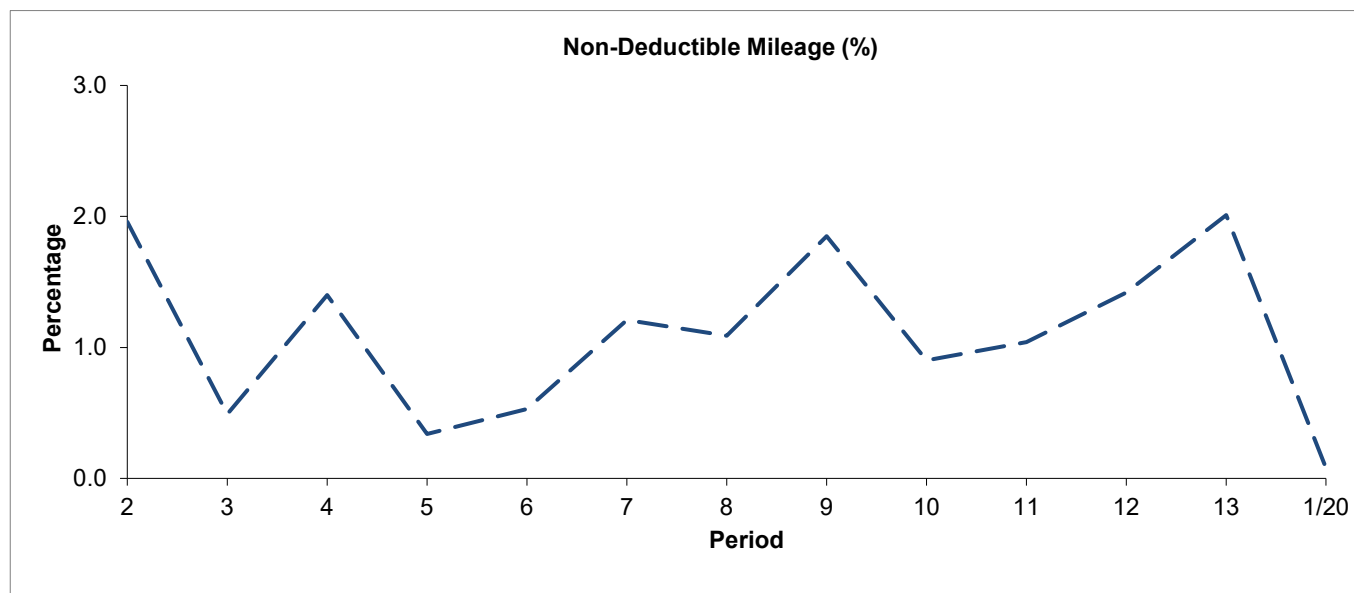


Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	1.02	1.18	1.77	2.05	2.08	2.72	1.84	2.27	2.02	1.84	1.94	2.21	0.67

Period Trend Performance Graphs

Route 160

Mileage Performance



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	1.96	0.49	1.40	0.34	0.53	1.21	1.09	1.85	0.90	1.04	1.42	2.01	0.08

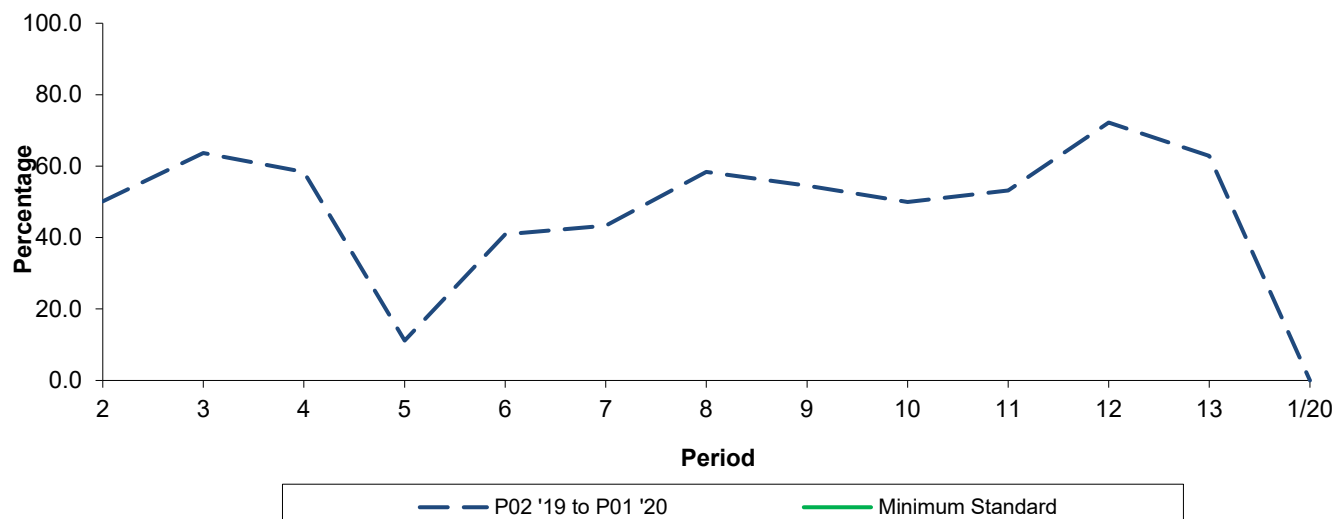
Mileage Performance figures are based on four weeks data

Period Trend Performance Graphs

Route 660

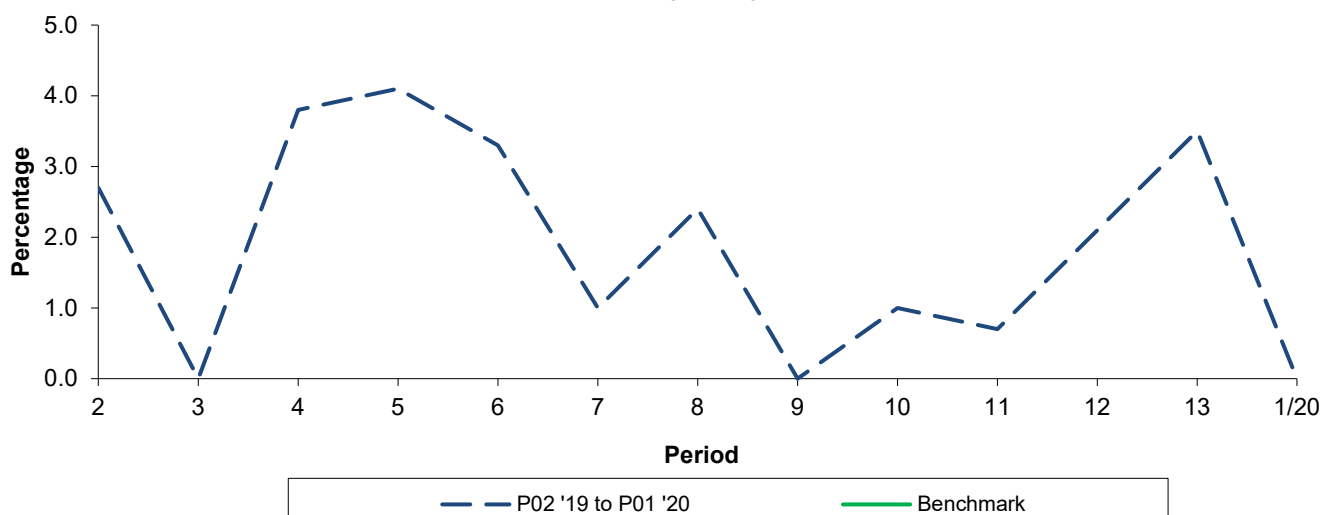
Reliability Performance

Low Frequency - On-Time (%)



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	50.10	63.70	58.40	11.20	40.90	43.30	58.40	54.50	50.00	53.20	72.20	62.90	0.00
Minimum Standard													

Low Frequency - Early (%)



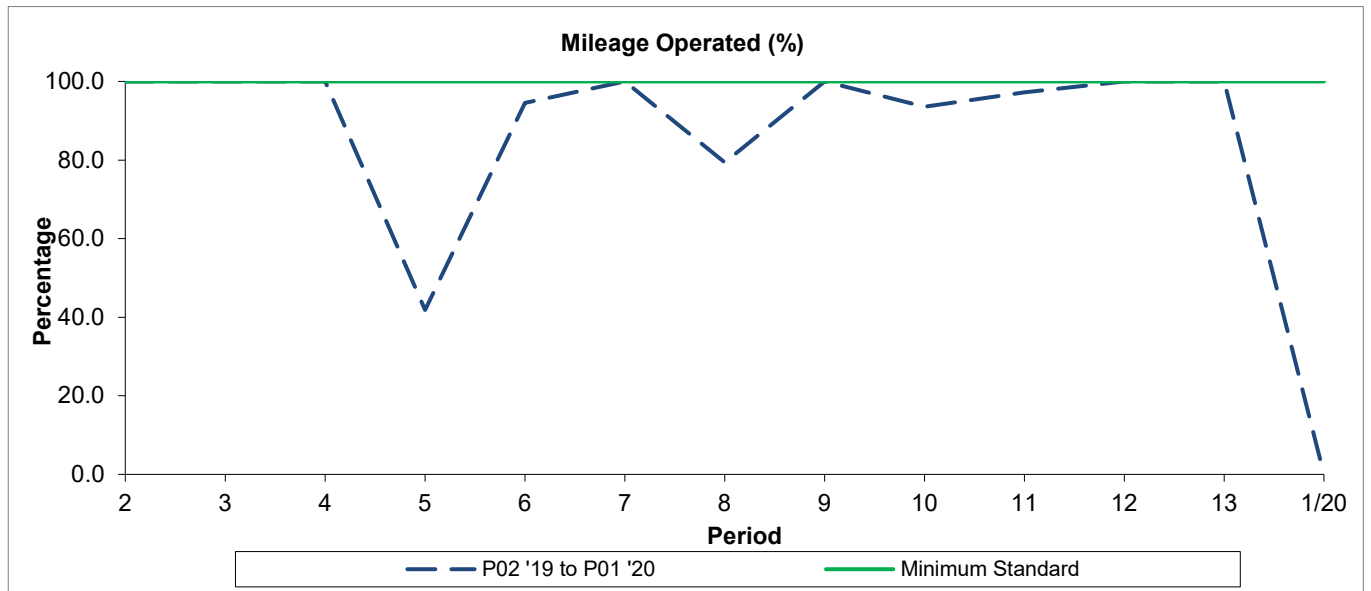
Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	2.70	0.00	3.80	4.10	3.30	1.00	2.40	0.00	1.00	0.70	2.10	3.50	0.00
Benchmark													

Minimum Standards and Benchmarks are those applicable under the new contract.

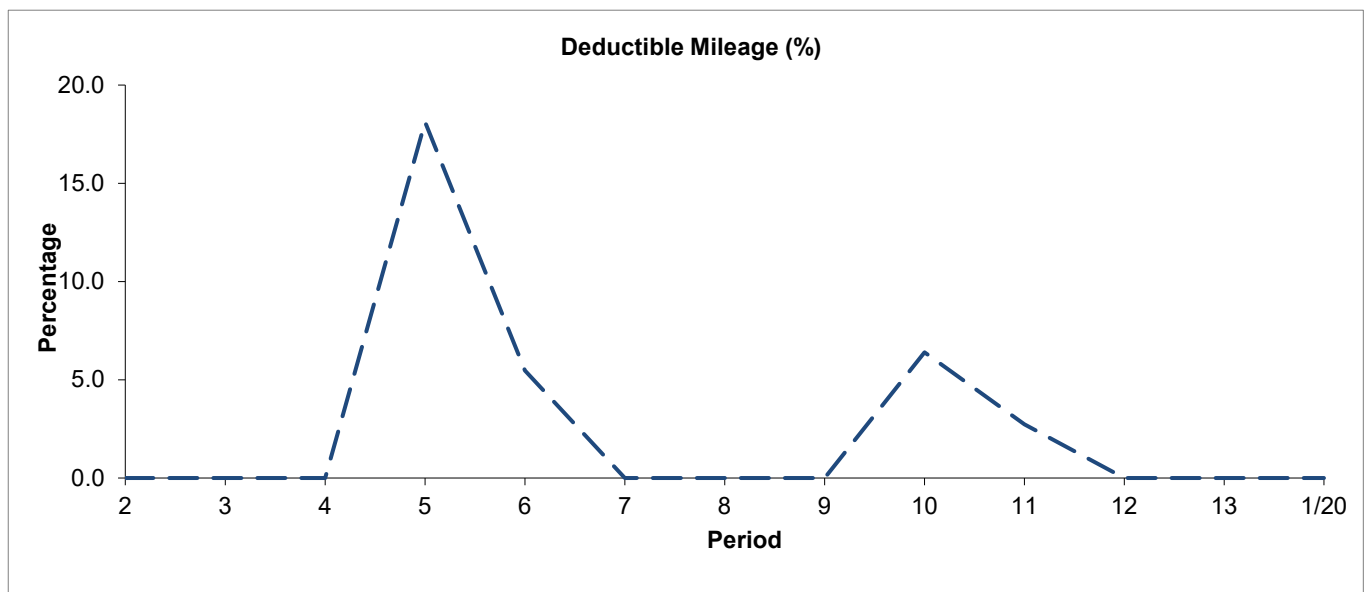
Period Trend Performance Graphs

Route 660

Mileage Performance



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	100.00	100.00	100.00	41.88	94.53	100.00	79.37	100.00	93.60	97.26	100.00	100.00	0.00
Minimum Standard	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

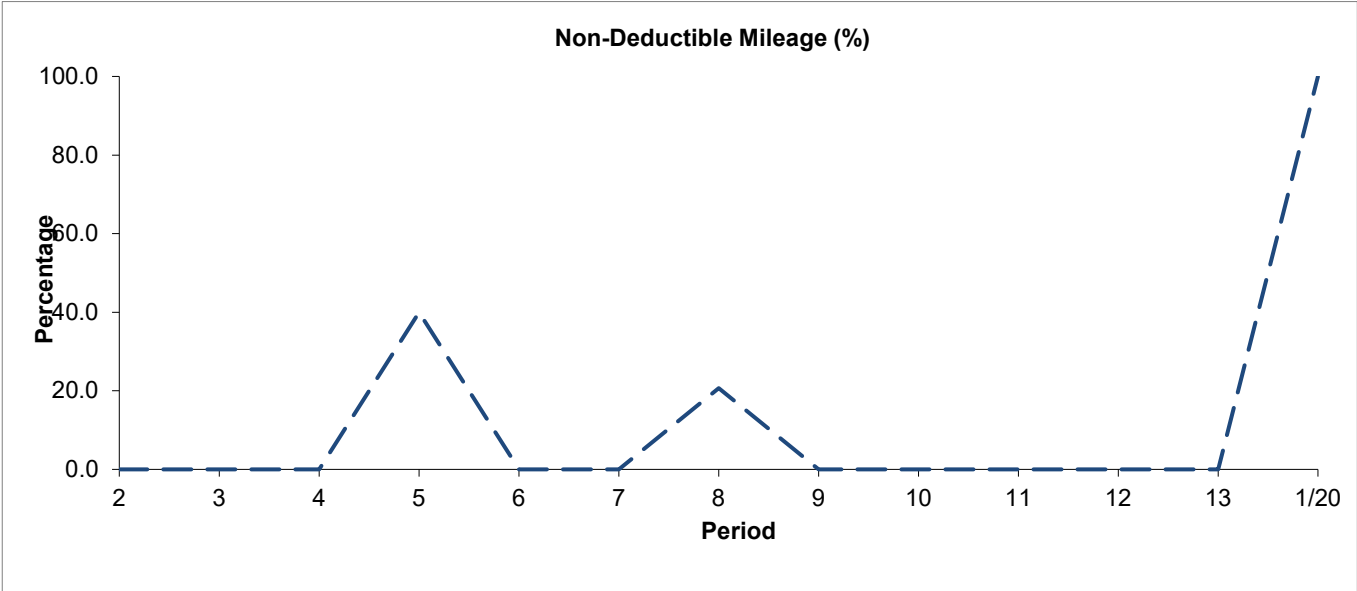


Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	0.00	0.00	0.00	18.12	5.47	0.00	0.00	0.00	6.40	2.74	0.00	0.00	0.00

Period Trend Performance Graphs

Route 660

Mileage Performance



Period	2	3	4	5	6	7	8	9	10	11	12	13	1/20
P02 '19 to P01 '20	0.00	0.00	0.00	40.00	0.00	0.00	20.63	0.00	0.00	0.00	0.00	0.00	100.00

Mileage Performance figures are based on four weeks data

ROUTE 160 - FULL iBUS RESULTS BY TIME OF DAY

QUARTERS 01/19 to 04/19 (01/04/2019 to 31/03/2020)

MONDAY - FRIDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	23,199	22,398	96.5	97.3	90.6	2.7	0.4	6.2
07:00 - 10:00	54,103	52,118	96.3	94.7	77.4	5.4	1.5	15.7
10:00 - 13:00	53,741	52,062	96.9	95.9	83.1	4.1	1.1	11.7
13:00 - 16:00	54,866	52,553	95.8	94.9	80.3	5.3	1.7	12.7
16:00 - 19:00	54,290	51,907	95.6	92.4	74.6	7.8	2.1	15.5
19:00 - 22:00	45,999	44,697	97.2	96.6	87.9	3.6	1.3	7.1
22:00 - 24:00	18,300	18,170	99.3	98.2	91.9	1.8	0.8	5.4
All Locations Summary	304,498	293,905	96.5	95.2	80.5	5.3	1.5	12.7

SATURDAY

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	2,790	2,697	96.7	97.5	93.7	2.5	0.1	3.7
07:00 - 10:00	8,835	8,552	96.8	96.9	87.4	3.0	0.5	9.1
10:00 - 13:00	10,992	10,652	96.9	96.6	83.5	3.5	1.6	11.4
13:00 - 16:00	10,934	10,619	97.1	95.3	84.1	4.8	1.7	9.5
16:00 - 19:00	11,152	10,893	97.7	97.3	87.6	2.7	1.3	8.4
19:00 - 22:00	7,812	7,713	98.7	97.6	88.8	2.5	1.2	7.5
22:00 - 24:00	3,690	3,676	99.6	98.4	90.1	1.5	0.5	7.9
All Locations Summary	56,205	54,802	97.5	96.8	86.3	3.3	1.3	9.1

SUNDAY AND BANK HOLIDAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	443	422	95.3	96.2	95.0	4.0	0.0	1.0
07:00 - 10:00	6,180	5,993	97.0	98.2	92.3	1.9	0.4	5.4
10:00 - 13:00	9,073	8,784	96.8	97.2	87.5	2.8	1.5	8.2
13:00 - 16:00	9,328	9,254	99.2	98.1	85.8	1.9	1.1	11.2
16:00 - 19:00	9,191	9,142	99.5	98.3	88.0	1.8	1.1	9.0
19:00 - 22:00	6,892	6,772	98.3	98.0	88.9	2.0	0.7	8.5
22:00 - 24:00	4,049	4,025	99.4	98.7	94.3	1.3	1.5	2.8
All Locations Summary	45,156	44,392	98.3	98.0	88.4	2.1	1.1	8.5

ALL DAYS

Time Range	Expected Buses	Observed Buses	Observed Buses (%)	Linked Buses (%)	On Time (%)	Non Arrival / Not Linked (%)	Early (%)	Late (%)
05:00 - 07:00	26,432	25,517	96.5	97.3	91.1	2.8	0.4	5.7
07:00 - 10:00	69,118	66,663	96.4	95.3	78.9	5.1	1.4	14.7
10:00 - 13:00	73,806	71,498	96.9	96.2	83.7	3.9	1.2	11.2
13:00 - 16:00	75,128	72,426	96.4	95.4	81.4	4.8	1.6	12.1
16:00 - 19:00	74,633	71,942	96.4	93.9	77.4	6.6	1.9	14.0
19:00 - 22:00	60,703	59,182	97.5	96.9	88.2	3.3	1.2	7.3
22:00 - 24:00	26,039	25,871	99.4	98.3	91.9	1.7	0.9	5.5
All Locations Summary	405,859	393,099	96.9	95.8	82.0	4.7	1.5	11.8

Transport for London - Live Mileage List

Route: 160

Service Change: 41166

Date: 17/09/2016

Catford, Tho

Reason for Issue

QSI points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
CATFTL	40090	Thomas Lane		
CATFTH	8409	Catford Road / Lewisham Town Hall	343	0.21
	34081	Plassy Road	363	0.23
	20543	Holy Cross School	419	0.26
	17749	Sangley Road / St Fillans Road	268	0.17
	43004	Sandhurst Road / St Andrews Church	648	0.40
	43005	Minard Road	164	0.10
VERLSR	43007	Sandhurst Road / Verdant Lane	154	0.10
	17483	Parkcroft Road	660	0.41
STMRBR	17485	Baring Road	355	0.22
	17488	Woodyates Road	628	0.39
	17490	Horn Park Lane	332	0.21
	17491	Sidcup Road	391	0.24
	17493	Westthorne Avenue / Eltham Road	332	0.21
	12226	Eltham Green School	332	0.21
	17495	Churchbury Road	363	0.23
	44029	Campfield Road	202	0.13
MDPKKG	17497	Newmarket Green	305	0.19
	17499	Kingsground / Eltham Palace Road	378	0.23
	17501	Kingsground / Eltham Hill	472	0.29
	26667	Sherard Road	103	0.06
ELTMHB	16674	Eltham High Street / Roper Street	390	0.24
	12924	Eltham High Street / Pound Place	379	0.24
ELTMSC	34443	Southend Crescent / Wythens Walk	421	0.26
	34029	Holy Trinity Church	231	0.14
	18984	Halons Road	166	0.10
	20043	Inca Drive	236	0.15
	2300	Green Lane	236	0.15
	19140	Footscray Rugby Club	276	0.17
NELTSNF	1680	New Eltham Station / Footscray Road	434	0.27
	20618	New Eltham Station / Southwood Road	269	0.17
	18981	Fiveways	416	0.26
	25277	William Barefoot Drive	336	0.21
	18979	Montbelle Road	292	0.18
	BP2854	Edgebury / Domonic Drive	570	0.35
	27956	Edgebury Primary School	511	0.32
CHISBP	27957	Chislehurst / Gordon Arms	468	0.29
	27780	Loop Road	475	0.30
CHISWM	17523	Centre Common Road / War Memorial	533	0.33
	24961	Bromley Lane / Chislehurst War Memorial	183	0.11
	16642	Ashfield Lane	522	0.32
	16646	Beaverwood Road	571	0.35
	18739	Leas Green	344	0.21
	16648	Queen Mary's Hospital	512	0.32
	16650	The Green	364	0.23
SIDCPS	16652	Carlton Road	313	0.19
	15182	Crescent Road	571	0.35
	25848	Sidcup Station / Station Road	160	0.10
SIDCSNJ	36002	Sidcup Station	586	0.36
Total Route Mileage - Out Direction			17977	11.17
			Metres	Miles

mas Lane - Sidcup Station	Tranche 748
New Contract	

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
SIDCSNJ	BP2296	Sidcup Station		
	25696	Hatherley Crescent / Sidcup Station	243	0.15
	15183	Station Road / Crescent Road	325	0.20
SIDCPS	20437	Carlton Road	580	0.36
	16651	The Green	138	0.09
	16649	Queen Mary's Hospital	552	0.34
	18738	Leas Green	516	0.32
	16647	Beaverwood Road	305	0.19
	R0396	Ashfield Lane	702	0.44
	24843	Bromley Lane / Chislehurst War Memorial	245	0.15
CHISWM	17522	Centre Common Road / War Memorial	381	0.24
	17524	Chislehurst / Ashfield Lane	425	0.26
	17526	Chislehurst Sainsbury's	296	0.18
	27850	St Patrick's Church	199	0.12
	19918	Albany Road / Green Lane	195	0.12
CHISBP	R0528	Chislehurst / Gordon Arms	165	0.10
	27955	Edgebury Primary School	472	0.29
	18976	Mainridge Road	619	0.38
	18978	Montbelle Road	398	0.25
	25276	William Barefoot Drive	365	0.23
	18980	Fiveways	260	0.16
	19720	New Eltham Station / Southwood Road	560	0.35
NELTSNF	18982	New Eltham Station / Footscray Road	225	0.14
	19139	Footscray Rugby Club	287	0.18
	3298	Green Lane	406	0.25
	R0562	Halons Road	308	0.19
	3379	Footscray Road / Southend Crescent	220	0.14
	BP2660	Southend Crescent / Southend Close	221	0.14
ELTMHS	16667	Eltham High Street / Foots Cray Road	331	0.21
	20548	Eltham High Street / Pound Place	282	0.18
ELTMHB	3381	Eltham High Street / Well Hall Road	275	0.17
	26668	Eltham Church / High Street	139	0.09
	17502	Kingsground / Eltham Hill	326	0.20
	17500	Kingsground / Eltham Palace Road	519	0.32
MDPKKG	17498	Newmarket Green	399	0.25
	44030	Campfield Road	201	0.12
	17496	Churchbury Road	187	0.12
	34711	Eltham Green School	308	0.19
	12225	Middle Park Avenue / Westthorne Avenue	99	0.06
	R0550	Westthorne Avenue / Eltham Road	248	0.15
	17492	Sidcup Road	302	0.19
	17489	Alwold Crescent	474	0.29
	17487	Woodyates Road	258	0.16
STMRBR	17486	Baring Road	637	0.40
	17484	Parkcroft Road	341	0.21
VERLSR	43006	Sandhurst Road / Verdant Lane	664	0.41
	43008	Minard Road	146	0.09
	34231	Sandhurst Road / St Andrews Church	246	0.15
	17748	Sandhurst Road / St Fillans Road	477	0.30
	20542	Holy Cross School	317	0.20
CATFTH	110	Catford Road / Lewisham Town Hall	574	0.36
CATFBG	40089	Catford Bridge Station	248	0.15
Total Route Mileage - Back Direction			17606	10.94
			Metres	Miles

Transport for London - Live Mileage List

Route: 660

Service Change: 41222

Date: 17/09/2016

Catford Bus Garage
School

Reason for Issue

QSI points are highlighted.

OUT DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BRRDDR	33056	Newquay Road		
	2127	Inchmery Road	213	0.13
	1995	Bargery Road	257	0.16
CATFTHB	14625	Bromley Road / Lewisham Town Hall	363	0.23
	34080	Brownhill Road / The Catford Centre	351	0.22
	17477	Laleham Road	404	0.25
	17479	Brownhill Road / St Fillans Road	289	0.18
	17481	Torridon Road	475	0.30
	17483	Parkcroft Road	672	0.42
	17485	Baring Road	355	0.22
STMRBR	17488	Woodyates Road	628	0.39
	17490	Horn Park Lane	332	0.21
	17491	Sidcup Road	391	0.24
	17493	Westthorne Avenue / Eltham Road	332	0.21
	12226	Eltham Green School	332	0.21
	17495	Churchbury Road	363	0.23
	44029	Campfield Road	202	0.13
	17497	Newmarket Green	305	0.19
MDPKKG	17499	Kingsground / Eltham Palace Road	378	0.23
	17501	Kingsground / Eltham Hill	472	0.29
	26667	Sherard Road	103	0.06
ELTMHB	14710	Eltham High Street / Roper Street	421	0.26
	R0554	Eltham High Street / Pound Place	364	0.23
	16666	Eltham High Street / Westmount Road	189	0.12
	16668	Bexley Road / Glenesk Road	409	0.25
BXRDRR	BP3597	Bexley Road / Crown Woods School	659	0.41
Total Route Mileage - Out Direction			9259	5.75
			Metres	Miles

3 - Avery Hill, Crown Woods	Tranche 748
New Contract	

BACK DIRECTION				
Timing Point Code	Stop Number	Stop Name	Metres	Miles
BXRDRR	BP3597	Bexley Road / Crown Woods School		
	16671	University Of Greenwich / Mansion Site	2063	1.28
	16669	Bexley Road / Glenesk Road	520	0.32
	16667	Eltham High Street / Fooks Cray Road	367	0.23
	20548	Eltham High Street / Pound Place	282	0.18
ELTMHB	3381	Eltham High Street / Well Hall Road	275	0.17
	26668	Eltham Church / High Street	139	0.09
	17502	Kingsground / Eltham Hill	326	0.20
	17500	Kingsground / Eltham Palace Road	519	0.32
MDPKKG	17498	Newmarket Green	399	0.25
	44030	Campfield Road	201	0.12
	17496	Churchbury Road	187	0.12
	34711	Eltham Green School	308	0.19
	R0550	Westhorpe Avenue / Eltham Road	346	0.21
	17492	Sidcup Road	302	0.19
	17489	Alwold Crescent	474	0.29
	17487	Woodyates Road	258	0.16
STMRBR	17486	Baring Road	637	0.40
	17484	Parkcroft Road	341	0.21
	14432	Brownhill Road / Wellmeadow Road	362	0.22
	17482	Torridon Road	425	0.26
	BP3538	Stainton Road	203	0.13
	17480	Brownhill Road / St Fillans Road	328	0.20
	17478	Laleham Road	261	0.16
	34081	Plassy Road	280	0.17
CATFTHB	26276	Bromley Road / Lewisham Town Hall	397	0.25
	26274	Inchmery Road	481	0.30
	1998	Newquay Road	254	0.16
BRRDDR	BP4534	Catford Garage	249	0.15
Total Route Mileage - Back Direction			11184	6.95
			Metres	Miles