

WEST MIDLANDS FRANCHISE

SERVICE LEVEL COMMITMENT
Train Service Requirement (TSR1)
(October 2017)

Version 2- 15/09/16

BASE FOR WEST MIDLANDS Franchise from October 2017

APPENDIX 1 to Schedule 1.1

Part 1 - Service Level Commitment – General Provisions

1. CONSTRUCTION

The following provisions of this Part 1 to this Appendix 1 shall apply in respect of the Service Level Commitment set out in Part 2 to this Appendix 1.

2. DAYS AND TIMES OF DAY

- 2.1 Except to the extent the context otherwise requires, references to a day mean the period commencing at 0200 on one day and ending at 0159 on the following day and references to Weekdays and particular days of the week shall be construed accordingly.
- 2.2 References to periods of times and periods of days include the times and days such periods start and finish.
- 2.3 All references to time are to the twenty-four hour clock.

3. SERVICES

- 3.1 Except where expressly indicated to the contrary, references to services, all services or any part or any proportion of services are to be construed as references to the Passenger Services (or the relevant part or proportion thereof) required to be included by the Franchisee in its Timetable pursuant to paragraph 10.2 of Schedule 1.1 of the National Rail Franchise Terms and do not include such Additional Passenger Services as the Franchisee may be permitted to provide from time to time under this Franchise Agreement
- 3.2 Except where expressly indicated to the contrary, where an interval or frequency is specified for a service, such specification shall apply at the departure point for the relevant service.
- 3.3 Except where expressly indicated to the contrary, all services are to run in both directions and the requirements of the Service Level Commitment (including any interval between services, frequency of service or stopping pattern) are to apply in each direction.

- 3.4 Except where expressly indicated to the contrary, references to “Summer” shall mean that period in any year from the last Saturday in May until the third Saturday in September and “Winter” is defined as any period other than “Summer.”

4. STATIONS

- 4.1 Except where expressly indicated to the contrary and subject always to compliance with the other provisions of the Service Level Commitment (including any maximum Journey Times) nothing in the Service Level Commitment shall prevent services which are required to be included by, or on behalf of, the Franchisee in the Timetable pursuant to [Schedule 1.1 of the National Rail Franchise Terms] calling at any stations which are not specified in the Service Level Commitment or any relevant part of it.
- 4.2 At present there are a number of request stops in this version of the Service Level Commitment. Should the franchisee require to change a station to a request stop then approval should be sought from the DfT Rail Group.

5. CONNECTIONS

- 5.1 Except where expressly indicated to the contrary, a service which is required to be included in the Timetable shall be provided so as to enable travel between the stations specified without passengers being required to change train. Where a service may be provided by a Connection or where a Connection is required to be provided between two services, the two relevant services must be provided without a further change of train being required.
- 5.2 Except where expressly indicated to the contrary, where Connections are required to be provided by the Franchisee, the Franchisee shall ensure that the interval or waiting period between the two relevant services is of a sufficient duration to allow passengers a reasonable period of time to transfer between such services. For certain locations guidance on these times can be found in the Network Rail Rules of the Plan or in the station index of the National Rail timetable.
- 5.3 Except where expressly indicated to the contrary, where services are subject to maximum Journey Times, such Journey Times shall not apply where the services are required to be, or may be, provided by Connections.

6. PEAK AND OFF-PEAK

- 6.1 Peak means, in relation to any service a Weekday Service (except Christmas and Bank Holidays) which arrives at London Euston or Birmingham New Street or Birmingham Snow Hill, between 0700 and 0959 (the “Morning” Peak) and departs from London Euston or Birmingham New Street or Birmingham Snow Hill, between 1600 and 1859 (the “Evening” Peak).
- 6.2. Off-Peak means in relation to any service any period which is not Peak.

7. BANK HOLIDAYS

The level of service required to be included in the Timetable for the following days shall, except to the extent the DfT otherwise agrees, be as follows:

24 December:	A reduced or altered service may be operated after 1300 with a shutdown after 2200.
Christmas Day and Boxing Day:	No services are required to be operated;
Weekdays falling between Christmas and New Year:	Saturday service to operate;
New Year's Day:	Sunday service to operate, unless otherwise shown in the Service Level Commitment; and
Other Bank Holidays:	Saturday service to operate. No service is required to operate on Route S on Bank Holidays

New Years Eve

Currently, no additional services are run in conjunction with Transport for London (TfL) on New Years Eve and into New Year's morning. TfL may seek to introduce such services in the future.

It is at the discretion of the train operator to enter into such arrangements with TfL and determine the operational arrangements for such additional services on New Years Eve.

8. SERVICE INTERVALS

8.1 Except where expressly indicated to the contrary, where the Franchisee is required to include within the Timetable, services for a specified period (which period shall commence and end with an Early Service or Late Service), with a specified interval between each such service during such period, then the following shall apply:

(a) the minimum number of services to be included in the Timetable in such period shall be determined in accordance with the following formula:

$$S = \frac{TM}{IM}$$

where:

S is the minimum number of services to be included in the Timetable;

TM is the total minutes in the specified period; and

IM is the number of minutes in the specified interval, rounded down to the nearest whole number;

- (b) the interval between any two services during such period may be extended by:
- (i) five minutes; or,
 - (ii) if greater, an amount of minutes equivalent to one-sixth of the specified interval between each service rounded down to the nearest whole number,
- subject to the other provisions of this paragraph 8.1 and such extension not exceeding ten minutes;

- (c) the interval between any two services may be reduced, subject to the other provisions of this paragraph 8.1, the interval between each service required in accordance with paragraph 8.1(a) for such period, by such amount as the Franchisee may determine;

- (d) the interval between services during such specified period shall be such that, for any period which occurs during such specified period and has a duration equivalent to:

$$((4 \times SI) + E) \text{ minutes}$$

where:

SI is equal to the specified interval between such services; and

E is equal to the extension permitted to such interval under paragraph 8.1(b), at least four services shall be included in the Timetable in such period; and

- (e) the intervals between the start of such period of time and the first service in such period (save where such period of time starts with an Early Service) and between the last service in such period and the end of such period (save where such period of time ends with a Late Service) shall each be no more than the interval between each service specified for such period and (save where such period of time starts and/or ends with an Early Service/Late Service) one of such intervals shall be no more than half such interval between each service.

- 8.2 Except where expressly indicated to the contrary, where one period ends and another period begins immediately thereafter and services are specified at different intervals for each such period, the maximum interval between the last service in the first period and the first service in the second period shall be the longer of the maximum intervals allowed for each such period.

9. ENGINEERING ACCESS

- 9.1 The principles and cyclical programme developed for engineering access will be incorporated into both the Track Access Agreement (TAA) and Engineering Access Statement (EAS) for the West Midlands franchise.

10 Part 2 Service Level Commitment

Section 1 – West Midlands Snow Hill Services

- Route A:** Birmingham Snow Hill – Whitlocks End / Henley-in-Arden / Stratford-upon-Avon
- Route B:** Birmingham Snow Hill – Dorridge/Leamington Spa/Stratford-upon-Avon
- Route C:** (left blank)
- Route D:** Birmingham Snow Hill – Stourbridge Junction – Kidderminster/Bromsgrove – Worcester/Great Malvern
- Route E:** Stourbridge Junction – Stourbridge Town

Section 2 – Trent Valley Services

- Route AA:** Stone – Barlaston – Wedgwood - Stoke-on-Trent
(Rail Replacement bus service)
- Route AB** Stafford – Norton Bridge – Stone *(Rail Replacement bus service)*
- Route F:** Coventry - Nuneaton
- Route G:** London Euston - Rugby - Nuneaton – Stafford – Stone - Stoke-on-Trent Crewe

Section 3 – West Midlands New Street Local Services

- Route H:** Birmingham New Street - Wolverhampton
- Route I:** Northampton - Rugby - Birmingham New Street
- Route J1:** Birmingham New Street - Walsall/Hednesford – Rugeley Trent Valley
- Route J2:** Birmingham New Street - Walsall
- Route K:** Wolverhampton - Walsall
- Route L:** Lichfield Trent Valley - Blake Street – Birmingham New Street - Longbridge – Redditch

Route M: Birmingham New Street – Worcester – Great Malvern / Hereford (via Bromsgrove)

Route M2: (left blank, now incorporated into Route M)

Section 4 – West Midlands Inter Urban Services

Route N: Coventry – Leamington Spa

Route O: Birmingham New Street/Wolverhampton - Wellington/Shrewsbury

Route P: Birmingham New Street - Crewe – Liverpool Lime Street

Section 5 – WCML Commuter: London to Northampton

Route Q: London Euston – Northampton

Section 6 – WCML Branch Line Services

Route R: Watford Junction - St Albans Abbey

Route S: Bedford – Bletchley

**Route A BIRMINGHAM SNOW HILL – WHITLOCKS END / HENLEY-IN-
ARDEN / STRATFORD-UPON-AVON**

1. Route Definition

- 1.1 Services shall be provided between Birmingham Snow Hill and Whitlocks End, calling at Birmingham Moor Street, Small Heath, Tyseley, Spring Road, Hall Green, Yardley Wood and Shirley.
- 1.2 Limited stops shall be made at Bordesley.
- 1.3 Services shall be extended to or originate from Stratford-upon-Avon as specified below.
- 1.4 Services may be linked with services in Route D (Birmingham-Stourbridge Junction-Kidderminster-Worcester) to provide through services across Birmingham.

2. Service Pattern – Mondays to Fridays and Saturdays

Core Service Specification

- 2.1 Between and including the Early and Late Services, three services per hour shall be provided between Birmingham Snow Hill and Whitlocks End at 20-minute intervals, calling at the stations specified in Paragraph 1.1, except:
 - (a) Two services per hour need not call at Small Heath and Tyseley.
 - (b) On Saturdays, one interval between services departing from Whitlocks End may be extended to 45 minutes.
- 2.2 Between and including the Early and Late Services, one of the services per hour specified in Paragraph 2.1 shall be extended to or originate from **Stratford-upon-Avon**, calling at Wythall, Earlswood , The Lakes, Wood End, Danzey, Henley-in-Arden, Wootton Wawen, Wilmcote and Stratford-upon-Avon Parkway.

Additional Services and Variations

From Birmingham – Mondays to Fridays

- 2.3 Between 0615 and 0759, four services shall be provided from Birmingham Snow Hill to Whitlocks End at an interval not exceeding 45 minutes, calling at the stations specified in Paragraphs 1.1. Three of these services shall be extended to Stratford-upon-Avon, calling at the stations specified in Paragraph 2.2. The first of these services need not call at Earlswood, The Lakes, Wood End, Danzey, Wootton Wawen and Wilmcote.

- 2.4 Two services departing from Birmingham Snow Hill to Whitlocks End between 1700 and 1800 shall be extended to Stratford-upon-Avon. Beyond Whitlocks End, the first of these services need call only at Wythall, Henley-in-Arden and Stratford-upon-Avon Parkway.
- 2.5 One additional service shall be provided from Birmingham Snow Hill to Whitlocks End between 1710 and 1730, calling at the stations specified in Paragraph 1.1.
- 2.6 One additional service shall be provided from Birmingham Snow Hill to Whitlocks End, departing no earlier than 25 minutes after the Late Service, calling at the stations specified in Paragraph 1.1.
- 2.7 Between 1915-2345, five services shall be provided from Birmingham Snow Hill to Whitlocks End at hourly intervals, calling at the stations specified in Paragraph 1.1. The first of these shall depart from Birmingham Snow Hill no earlier than one hour after the Late Service. The first four of these services shall be extended to **Stratford-upon-Avon**, calling at the stations specified in Paragraph 2.2.

Towards Birmingham – Mondays to Fridays

- 2.8 Between 0615 and 0859, eight services shall be provided from Whitlocks End to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1, at intervals not exceeding 30 minutes. Four of these services shall originate from Stratford-upon-Avon, calling at the stations specified in Paragraph 2.2; one of these services departing Stratford-upon-Avon between 0715 and 0730 need not call at Wilmcote, Wootton Wawen, Danzey, Wood End or The Lakes.
- 2.9 The Late Service from Whitlocks End shall originate from Stratford-upon-Avon, calling at Stratford-upon-Avon Parkway and Henley-in-Arden. This service need not call at the other stations specified in Paragraph 2.2.
- 2.10 Between 1830 and 1944, four services shall be provided from Whitlocks End to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1. Two of these services shall originate from Stratford-upon-Avon, calling at the stations specified in Paragraph 2.2, except that one of these services need not call at stations from Danzey to Wythall (inclusive).
- 2.11 Between 1945 and 2314, four services shall be provided from Whitlocks End to Birmingham Snow Hill at hourly intervals, calling at the stations specified in Paragraph 1.1. All of these services shall originate from Stratford-upon-Avon, calling at stations specified in Paragraph 2.2, except that:
 - (a) the third service not call at Wootton Wawen and Danzey.
 - (b) the fourth service need only call at Henley-in-Arden between Wilmcote and Wythall.

- 2.12 Between 2315 and 2344, one additional service shall be provided from Stratford-upon-Avon and Birmingham Snow Hill, calling only at Stratford-upon-Avon Parkway and Birmingham Moor Street.

From Birmingham – Saturdays

- 2.13 Before the Early Service, one service shall be provided from Birmingham Snow Hill to Whitlocks End, calling at the stations specified in paragraph 1.1. This service shall be extended to Stratford-upon-Avon, calling at the stations specified in Paragraph 2.2.
- 2.14 One service departing from Birmingham Snow Hill to Whitlock’s End between 1700 and 1815 shall be extended to Stratford-upon-Avon, calling additionally at the stations specified in Paragraph 2.2.
- 2.15 One additional service shall be provided from Birmingham Snow Hill to Whitlocks End, departing no earlier than 30 minutes after the Late Service, calling at the stations specified in Paragraph 1.1.
- 2.16 Between 1915 and 2345, five services shall be provided from Birmingham Snow Hill to Whitlocks End at hourly intervals, calling at the stations specified in Paragraph 1.1. The first of these shall depart from Birmingham Snow Hill no earlier than one hour after the Late Service. The first four of these services shall be extended to Stratford-upon-Avon, calling at the stations specified in Paragraph 2.2.

Towards Birmingham - Saturdays

- 2.17 Before the Early Service, four services shall be provided from Whitlocks End to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1, at intervals not exceeding 50 minutes. The first of these services shall depart Whitlocks End no earlier than 0700. Two of these services shall be extended to originate from Stratford-upon-Avon, calling at the stations specified in Paragraph 2.2.
- 2.18 Between 1830 and 1944, two services shall be provided from Whitlocks End to Birmingham Snow Hill at an interval not exceeding 45 minutes, calling at the stations specified in Paragraph 1.1. Both of these services shall originate from Stratford-upon-Avon, calling at the stations specified in Paragraph 2.2.
- 2.19 Between 1945 and 2314, four services shall be provided from Whitlocks End to Birmingham Snow Hill at hourly intervals, calling at the stations specified in Paragraph 1.1. All of these services shall originate from Stratford-upon-Avon, also calling at the stations specified in Paragraph 2.2, except that:
- (a) the third service not call at Wootten Wawen and Danzey.
 - (b) the fourth service need only call at Henley-in-Arden between Wilmcote and Wythall.

- 2.20 Between 2315 and 2344, one additional service shall be provided from Stratford-upon-Avon and Birmingham Snow Hill, calling only at Stratford-upon-Avon Parkway and Birmingham Moor Street.

3. Service Pattern - Sundays

- 3.1 Between the Early and Late Services, an hourly service shall be provided between Birmingham Snow Hill and Whitlocks End, calling at the stations specified in Paragraph 1.1. These services shall be extended to or originate from Stratford-upon-Avon, calling at Wythall, The Lakes, Henley-in-Arden and Wilmcote.
- 3.2 There is no requirement to serve Small Heath, Earlswood, Wood End, Danzey and Wootton Wawen on Sundays.
- 3.3 Between 0845 and 0915, one additional service shall be provided from Whitlocks End to Birmingham Moor Street, calling at the stations specified in Paragraph 1.1 with the exception of Tyseley and Small Heath.

4. Limited Stops

4.1 Bordesley

Bordesley shall be served by one service per week, and at other such times deemed necessary by the franchisee to meet the demands of major football matches or other special events.

5. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Whitlocks End *	0830	0830	1015 *
Whitlocks End - Birmingham Snow Hill *	0925	0925	1030 *

* *Sundays – refers to Stratford-upon-Avon, not Whitlocks End*

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Whitlocks End *	1825	1825	1815 *
Whitlocks End- Birmingham Snow Hill *	1815	1815	1925 *

* *Sundays – refers to Stratford-upon-Avon, not Whitlocks End*

6. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill -Stratford-upon-Avon	56 minutes. One service may take up to 58 minutes	56 minutes	50 minutes
Stratford-upon-Avon - Birmingham Snow Hill	55 minutes. Three services may take up to 1 hour.	55 minutes. Four services may take up to 58 minutes.	48 minutes
Birmingham Snow Hill – Whitlocks End	24 minutes	24 minutes	No requirement
Whitlocks End – Birmingham Snow Hill	24 minutes. One services may take up to 26 minutes	24 minutes	No requirement

Route B BIRMINGHAM SNOW HILL – DORRIDGE

1. Route Definition

- 1.1 Services shall be provided between Birmingham Snow Hill and Dorridge, calling at Birmingham Moor Street, Small Heath, Tyseley, Acocks Green, Olton, Solihull and Widney Manor.
- 1.2 Services shall be extended beyond Dorridge to and from Stratford-upon-Avon, calling additionally at Stratford-upon-Avon Parkway, as specified below.
- 1.3 Services may be linked with services in Route D (Birmingham-Stourbridge Junction-Kidderminster-Worcester) to provide through services across Birmingham.

2. Service Pattern – Mondays to Fridays and Saturdays

Core Service Specification

- 2.1 Between and including the Early and Late Services, three services per hour shall be provided between Birmingham Snow Hill and Dorridge at 20-minute intervals, calling at the stations specified in Paragraph 1.1.
- 2.2 Two services per hour need not call at Small Heath and Tyseley.

Additional Services and Variations

From Birmingham – Mondays to Fridays

- 2.3 Three additional services shall be provided from Birmingham Snow Hill to Dorridge between 0545 and 0714, at half-hourly intervals, calling at the stations specified in Paragraph 1.1. The last of these services shall arrive at Dorridge no later than 1 hour 15 minutes before the Early Service. The first of these services shall be extended to Stratford-upon-Avon, calling at Lapworth, Claverdon, Bearley and Wilmcote. The third of these services shall be extended to Leamington Spa, calling at Lapworth, Hatton, Warwick Parkway and Warwick. One interval between services may be extended to 40 minutes.
- 2.4 Two additional services shall be provided from Birmingham Snow Hill to Dorridge between 0715 and the Early Service, at half-hourly intervals, calling at the stations specified in Paragraph 1.1. The second of these services shall arrive at Dorridge no later than 20 minutes before the Early Service. One of these services need not call at Small Heath, and one of these services need not call at Small Heath and Tyseley. One of these services may be provided by another operator.

- 2.5 Services specified in Paragraph 2.1 departing from Birmingham Snow Hill to Dorridge shall be extended to **Stratford-upon-Avon**, calling at Stratford-upon-Avon Parkway, as follows:
(a) an hourly service shall be provided between 0845-1515.
(b) one service departing Birmingham Snow Hill between 1750-1810, calling additionally at Lapworth.
- 2.6 One additional service shall be provided from Birmingham Snow Hill to Dorridge between 1730 and 1800, calling at the stations specified in Paragraph 1.1.
- 2.7 Two services departing from Birmingham Snow Hill to Dorridge between 1730 and 1859 shall be extended to Leamington Spa, calling at Lapworth, Hatton, Warwick Parkway and Warwick. The maximum interval between these services shall not exceed 1 hour 15 minutes.
- 2.8 One additional service shall be provided from Birmingham Snow Hill to Dorridge, calling at the stations specified in Paragraph 1.1, departing no earlier than 30 minutes after the Late Service. This service need not call at Small Heath and Tyseley.
- 2.9 Between 1945 and 2315, four additional services shall be provided from Birmingham Snow Hill to Dorridge at hourly intervals, calling at the stations specified in Paragraph 1.1. The first of these services shall depart no earlier than one hour after the Late Service. The last of these services shall be extended to **Leamington Spa**, calling at Lapworth, Hatton, Warwick Parkway and Warwick

Towards Birmingham – Mondays to Fridays

- 2.10 Between 0530 and 0659, three additional services shall be provided from Dorridge to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1. Two of these services shall originate from Leamington Spa, calling at Warwick, Warwick Parkway, Hatton and Lapworth.
- 2.11 Between 0700 and 0759, three additional services shall be provided from Dorridge to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1, as follows:
(a) The maximum interval between services shall not exceed 25 minutes.
(b) One of these services need not call at Small Heath.
(c) One other service need not call at Acocks Green, Tyseley and Small Heath.
(d) One of these services shall originate from Leamington Spa, calling at Warwick, Warwick Parkway, Hatton and Lapworth.
(e) One of these services shall originate from Stratford-upon-Avon, calling at Stratford-upon-Avon Parkway.
- 2.12 Between 0800 up to and including the Early Service, three additional

services shall be provided from Dorridge to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1:

- (a) The first of these services shall originate from Leamington Spa, calling at Warwick, Warwick Parkway, Hatton and Lapworth.
- (b) The Early Service shall originate from Leamington Spa, calling at Warwick, Warwick Parkway, Hatton and Lapworth and need not call at Tyseley.
- (c) One of these services need not call at Small Heath.

2.13 Services specified in Paragraph 2.1 departing from Dorridge to Birmingham Snow Hill shall originate from **Stratford-upon-Avon**, calling at Stratford-upon-Avon Parkway, as follows:

- (a) an hourly service shall be provided between 0945-1615.

2.14 Between the Late Service and 1915, three additional services shall be provided between Dorridge and Birmingham Snow Hill at an interval not exceeding 40 minutes, calling at the stations specified in Paragraph 1.1. The first of these services shall depart Dorridge no earlier than 30 minutes after the Late Service.

2.15 Between 1915 and 2245, four additional services shall be provided between Dorridge and Birmingham Snow Hill at hourly intervals, calling at the stations specified in Paragraph 1.1, except that:

- (a) The first of these services shall originate from Stratford-upon-Avon, calling at Stratford-upon-Avon Parkway and Lapworth.
- (b) The last of these services shall depart Dorridge no earlier than 2225.

From Birmingham – Saturdays

2.16 Between 0645 and the Early Service, two additional services shall be provided between Birmingham Snow Hill and Dorridge at an interval not exceeding 45 minutes, calling at the stations specified in Paragraph 1.1. The second of these services shall depart Birmingham Snow Hill no later than 30 minutes before the Early Service. One of these services need not call at Small Heath and Tyseley.

2.17 Services specified in Paragraph 2.1 departing from Birmingham Snow Hill to Dorridge shall be extended to **Stratford-upon-Avon**, calling at Stratford-upon-Avon Parkway, as follows:

- (a) an hourly service shall be provided between 0845-1715.

2.18 Between the Late Service and 2330, six additional services shall be provided between Birmingham Snow Hill and Dorridge, calling at the stations in Paragraph 1.1 at an interval not exceeding 60 minutes. The last of these services shall be extended to **Leamington Spa**, calling at Lapworth, Hatton, Warwick Parkway and Warwick

- 2.19 One additional service shall be provided from Birmingham Snow Hill to Dorridge, calling at the stations specified in Paragraph 1.1, departing Birmingham Snow Hill no earlier than 2330. This service shall be extended to **Leamington Spa**, calling at Lapworth, Hatton, Warwick Parkway and Warwick

Towards Birmingham – Saturdays

- 2.20 Between 0645 and the Early Service, four services shall be provided from Dorridge to Birmingham Snow Hill at an interval not exceeding 45 minutes, calling at the stations specified in Paragraph 1.1. The last of these shall arrive at Birmingham Snow Hill no later than 20 minutes before the Early Service. Two of these services shall originate from Leamington Spa, calling at Warwick, Hatton and Lapworth – one of these services shall also call at Warwick Parkway. One of these services need not call at Small Heath.
- 2.21 Services specified in Paragraph 2.1 departing from Dorridge to Birmingham Snow Hill shall originate from **Stratford-upon-Avon**, calling at Stratford-upon-Avon Parkway, as follows:
(a) an hourly service shall be provided between 0845-1715.
- 2.22 Between the Late Service and 1915, one additional service shall be provided from Dorridge to Birmingham Snow Hill calling at the stations specified in Paragraph 1.1, departing Dorridge no earlier than 30 minutes after the Late Service.
- 2.23 Between 1915 and 2245, four additional services shall be provided from Dorridge to Birmingham Snow Hill at hourly intervals, calling at the stations specified in Paragraph 1.1. The first of these services shall depart Dorridge no earlier than one hour after the Late Service.

3. Service Pattern - Sundays

- 3.1 Between and including the Early and Late Services, an hourly service shall be provided between Birmingham Snow Hill and Dorridge, calling at the stations specified in Paragraph 1.1.
- 3.2 There is no requirement to call at Small Heath and Tyseley on Sundays in Route B.
- 3.3 Between 0845 and 0915, one additional service shall be provided from Dorridge to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1 with the exception of Tyseley and Small Heath.

4. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Dorridge	0845	0845	1120
Dorridge – Birmingham Snow Hill	0855	0915	1050

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Dorridge	1840	1815	1750
Dorridge – Birmingham Snow Hill	1725	1825	1725

5. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Dorridge	27 minutes. One service may take up to 29 minutes. One further service may take up to 33 minutes	27 minutes	24 minutes
Dorridge – Birmingham Snow Hill	26 minutes. Three services may take up to 29 minutes.	26 minutes. One service may take up to 28 minutes.	23 minutes

Route C LEAMINGTON SPA - STRATFORD-UPON-AVON

This route has intentionally been left blank.

Virtually all services on this route are provided by another operator. See **Route B** for the service specification between Birmingham Snow Hill – Dorridge – Lapworth - Stratford-upon-Avon.

**Route D BIRMINGHAM SNOW HILL – STOURBRIDGE JUNCTION–
KIDDERMINSTER– WORCESTER**

1. Route Definition

- 1.1 Services shall be provided between Birmingham Snow Hill and Worcester (Shrub Hill and/or Foregate Street), calling at Jewellery Quarter, The Hawthorns, Smethwick Galton Bridge, Langley Green, Rowley Regis, Old Hill, Cradley Heath, Lye, Stourbridge Junction, Hagley, Blakedown (Monday-Saturday), Kidderminster and Droitwich Spa.
- 1.2 Limited Stops shall be made at Hartlebury, and Blakedown (Sundays)
- 1.3 Services may be linked with services in Routes A (Birmingham Snow Hill –Shirley–Stratford-upon-Avon) and B (Birmingham Snow Hill–Dorridge) to provide through services across Birmingham.

2. Service Pattern – Mondays to Fridays and Saturdays

Core Service Specification

- 2.1 Between and including the Early and Late Services, services shall be provided between Birmingham Snow Hill and Stourbridge Junction at 10-minute intervals, calling at the stations specified in Paragraph 1.1, except that :
 - (a) On Mondays to Fridays prior to 0915, one interval between services in either direction departing from Birmingham Snow Hill may be extended to 17 minutes.
 - (b) On Mondays to Fridays in the time period 0815-0915, one service may be provided by another operator.
 - (c) On Saturdays, from Stourbridge Junction, one interval of up to 20 minutes between services in each of the time periods 0900-0929 and 1800 up to the Late Service may be permitted.
 - (d) Four services per hour need not call at Langley Green, Old Hill and Lye.
- 2.2 Between and including the Early and Late Services, **two** of the services per hour specified in Paragraph 2.1 shall be extended to or originate from Kidderminster, calling at Hagley and Blakedown. These services need not call at Hagley or Blakedown, provided that two services per hour are provided at these stations by services specified in Paragraph 2.3, at an interval of at least 20 minutes. On Mondays to Fridays, in one of the hourly periods, only one service need be extended to or originate from Kidderminster.
- 2.3 Between and including the Early and Late Services, two of the services per hour specified in Paragraph 2.1 shall be extended to or originate from

Worcester, calling at Hagley, Blakedown, Kidderminster and Droitwich Spa. These services need not call at Hagley or Blakedown, provided that two services per hour are provided at these stations by services specified in Paragraph 2.2, at an interval of at least 20 minutes. Services may run to or originate from Worcester Shrub Hill and Worcester Foregate Street alternately. Some services shall be extended beyond Worcester to and from Great Malvern, as specified below.

Additional Services and Variations - Mondays to Fridays

From Birmingham

- 2.4 Between 0600 and the Early Service, three services shall be provided from Birmingham Snow Hill to Worcester at half-hourly intervals, calling at the stations specified in Paragraphs 1.1 and 2.3. The last of these services shall depart Birmingham Snow Hill no later than 30 minutes before the Early Service. One interval between services before 0700 may be extended to 45 minutes.
- 2.5 Between 0700 and the Early Service, two services shall be provided from Birmingham Snow Hill to Stourbridge Junction, calling at the stations specified in Paragraph 1.1. The second of these services shall depart Birmingham Snow Hill no later than 10 minutes before the Early Service. One of these services need not call at Langley Green, Old Hill and Lye.
- 2.6 Between the Early Service and 0900, one of the services specified in Paragraph 2.1 shall be extended to Kidderminster, calling at Hagley and Blakedown.
- 2.7 Between 0900 and 1215, two of the services departing from Birmingham Snow Hill specified in Paragraph 2.3 shall be extended to Great Malvern, calling at Malvern Link.
- 2.8 On Mondays to Fridays between 1700 and the Late Service, two of the services specified in Paragraph 2.1 shall be extended to Kidderminster calling at Hagley and Blakedown.
- 2.9 Between 1700 and the Late Service, three of the services specified in Paragraph 2.1 shall be extended to Worcester, calling at Hagley, Blakedown, Kidderminster and Droitwich Spa. Two of these services shall call additionally at Hartlebury.
- 2.10 Between and including the Late Service and 1900, four services shall be provided from Birmingham Snow Hill to Stourbridge Junction at an interval not exceeding 20 minutes, calling at the stations specified in Paragraph 1.1, of which:
 - (a) Two services shall be extended to Kidderminster calling at Hagley and Blakedown.

(b) One service shall be extended to Worcester calling at Hagley, Blakedown, Kidderminster and Droitwich Spa, but need not call at Langley Green, Old Hill and Lye.

- 2.11 Between 1900 and 1945, three services shall be provided from Birmingham Snow Hill to Stourbridge Junction at an interval not exceeding 30 minutes, calling at the stations specified in Paragraph 1.1. One of these services shall be extended to Worcester calling at Hagley, Blakedown, Kidderminster and Droitwich Spa; one of these services need not call at Langley Green, Old Hill and Lye.
- 2.12 Between 1945 and 2300, seven services shall be provided from Birmingham Snow Hill to Stourbridge Junction at half-hourly intervals, calling at the stations specified in Paragraph 1.1. The interval between services after 2215 may extend to 45 minutes. One service per hour shall be extended to Worcester calling at Hagley, Blakedown, Kidderminster and Droitwich Spa; one of these latter services shall be extended to Great Malvern and depart Birmingham Snow Hill not earlier than 2145, calling additionally at Worcester Foregate Street and Malvern Link.

Towards Birmingham

- 2.13 Between 0530 and 0714, four services shall be provided from Stourbridge Junction to Birmingham Snow Hill at half-hourly intervals, calling at the stations specified in Paragraph 1.1. Three of these services shall originate from Worcester calling at Droitwich Spa, Kidderminster, Blakedown and Hagley; two of these latter services shall call additionally at Hartlebury and one of these latter services need not call at Blakedown and Hagley. One of these services need not call at Lye, Old Hill and Langley Green.
- 2.14 Between 0715 and the Early Service, two services shall be provided from Stourbridge Junction to Birmingham Snow Hill at an interval of at least 15 minutes, calling at the stations specified in Paragraph 1.1. Both of these services shall originate from Worcester, calling at Droitwich Spa, Kidderminster, Blakedown and Hagley. One of these services shall call at Hartlebury. One of these services need not call at Lye, Old Hill and Langley Green.
- 2.15 Between 0900 and 1415, two of the services specified in Paragraph 2.3 shall originate from Great Malvern, calling at Malvern Link.
- 2.16 Between 1600 up to and including the Late Service, one additional service shall be provided from Worcester to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1. This service need not call at Hartlebury, Blakedown, Hagley, Lye, Old Hill and Langley Green.
- 2.17 Between the Late Service and 1915, two services shall be provided from Stourbridge Junction to Birmingham Snow Hill, calling at the stations in Paragraph 1.1. One of these services shall originate from Worcester, calling

at Droitwich Spa, Kidderminster, Blakedown and Hagley, but need not call at Lye, Old Hill and Langley Green. One of these services shall originate from Kidderminster, calling also at Blakedown and Hagley.

- 2.18 Between 1915 and 2300, eight services shall be provided at half-hourly intervals from Stourbridge Junction to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1. One service per hour shall originate from Worcester, calling at Droitwich Spa, Kidderminster, Blakedown and Hagley.

Additional Services and Variations - Saturdays

From Birmingham

- 2.19 Between 0615 and the Early Service, five services (the first of which need not call at Jewellery Quarter) shall be provided from Birmingham Snow Hill to Stourbridge Junction at an interval not exceeding 35 minutes, calling at the stations specified in Paragraph 1.1. The last of these services shall depart Birmingham Snow Hill no later than 10 minutes before the Early Service. Three of these services shall be extended to Worcester, calling at Hagley, Blakedown, Kidderminster and Droitwich Spa; and one of these services shall be extended additionally to Great Malvern, departing Birmingham Snow Hill between 0645 and 0715, calling at Malvern Link. One service need not call at Langley Green, Old Hill and Lye.
- 2.20 **Not used.**
- 2.21 Between 0800 and the Early Service, a service shall be provided from Birmingham Snow Hill to Stourbridge Junction, calling at the stations specified in Paragraph 1.1. This service shall depart Birmingham Snow Hill no later than 40 minutes before the Early Service.
- 2.22 Between 0900 and 2030, services specified in Paragraph 2.3 shall be extended to Great Malvern, calling at Malvern Link, as follows:
- (a) Four services shall be provided between 0900 and 1629 from Birmingham Snow Hill to Great Malvern at intervals not exceeding two hours 30 minutes;
 - (b) Two services shall be provided between 1630 and 2030 from Birmingham Snow Hill to Great Malvern, at an interval not exceeding three hours.

2.23 Between the Late Service and 2300, 12 services shall be provided from Birmingham Snow Hill to Stourbridge Junction as follows:

- (a) Between the Late Service and 1914, four services shall be provided from Birmingham Snow Hill to Stourbridge Junction, at a maximum interval of 30 minutes, calling at the stations in Paragraph 1.1. Two of these services shall be extended to Worcester at half-hourly intervals, calling at Hagley, Blakedown, Kidderminster and Droitwich Spa. Another of these services shall be extended to Kidderminster, calling at Hagley and Blakedown. One of these services need not call at Langley Green, Old Hill and Lye.
- (b) Between 1915 and 2315, eight services shall be provided at half-hourly intervals, calling at the stations specified in Paragraph 1.1. One of these services per hour shall be extended to Worcester calling at Hagley, Blakedown, Kidderminster and Droitwich Spa; one of these services shall be extended to Great Malvern, calling at Malvern Link, to depart not earlier than 2145 from Birmingham Snow Hill to Great Malvern. The first of these services shall depart Birmingham Snow Hill not earlier than 20 minutes after last of the services in 2.26(a). Two services may have an interval of up to 40 minutes.

2.24 Between 2300 and 2330, a service shall be provided from Birmingham Snow Hill to Stourbridge Junction, calling at the stations specified in Paragraph 1.1.

Towards Birmingham

2.25 Between 0600 and 0630 a service shall be provided from Stourbridge Junction to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1. This service shall originate from Worcester, calling at Droitwich Spa, Kidderminster, Blakedown and Hagley.

2.26 Between 0700 and 0859, excluding the Early Service, seven services shall be provided from Stourbridge Junction to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1, subject to the following:

- (a) Four services shall originate from Worcester, calling at all intermediate stations specified in Paragraph 1.1 to Stourbridge Junction. One of these services shall be timed to arrive at Birmingham Snow Hill by 0900 and also provide a connection within 15 minutes at Droitwich Spa from a Route M Great Malvern – Birmingham New Street service.
- (b) One service shall originate from Kidderminster.
- (c) Three of these services need not call at Lye, Old Hill and Langley Green, subject to the maximum interval between services at these stations not exceeding 30 minutes.
- (d) Services originating from Stourbridge Junction or Kidderminster shall be provided at half-hourly intervals at Stourbridge Junction.

- 2.27 Between 0800 and 2030, services specified in Paragraph 2.3 shall originate from Great Malvern, calling at Malvern Link, as follows:
- (a) One service shall be provided between 0800 and 0915 from Great Malvern;
 - (b) Four services shall be provided between 1100 and 1829 from Great Malvern, at an interval not exceeding three hours;
 - (c) One service shall be provided between 1830 and 2030 from Great Malvern.
- 2.28 One interval of 25 minutes shall be permitted between services departing from Stourbridge Junction after 1730 up to the Late Service.
- 2.29 Between the Late Service and 1900, a service shall be provided from Stourbridge Junction to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1. This service shall originate from Worcester, calling at Droitwich Spa and Kidderminster; and need not call at Lye, Old Hill and Langley Green. This service shall depart Stourbridge Junction no later than **25** minutes after the Late Service.
- 2.30 Between the Late Service and 2300, nine services shall be provided from Stourbridge Junction to Birmingham Snow Hill at half-hourly intervals, calling at the stations specified in Paragraph 1.1. One service per hour shall originate from Worcester, calling at Droitwich Spa, Kidderminster, Blakedown and Hagley; One of these services shall originate from Great Malvern, departing not earlier than 2115, calling at Malvern Link. One service shall start back from Kidderminster, calling at Blakedown and Hagley. The first of these services shall depart Stourbridge Junction no earlier than 30 minutes after the Late Service.
- 2.31 Between 2300 and 2330, a service shall be provided from Stourbridge Junction to Birmingham Snow Hill, calling at the stations specified in Paragraph 1.1. This service shall originate from Worcester, calling at Droitwich Spa, Kidderminster, Blakedown and Hagley, and need not call at Lye, Cradley Heath, Old Hill, Rowley Regis, Smethwick Galton Bridge, The Hawthorns and Jewellery Quarter.

3. Service Pattern - Sundays

Core Service Specification

- 3.1 Between and including the Early and Late Services, services shall be provided from Birmingham Snow Hill to Stourbridge Junction at half-hourly intervals, calling at the stations specified in Paragraph 1.1. One service per hour shall be extended to Worcester, calling at Hagley, and Droitwich Spa, and need not call at Langley Green, Old Hill and Lye. **Some** services shall be extended beyond Worcester to Great Malvern, calling at Malvern Link, as specified below.
- 3.2 Between and including the Early and Late Services, services shall be

provided from Stourbridge Junction to Birmingham Snow Hill at half-hourly intervals, calling at the stations specified in Paragraph 1.1. One service per hour shall originate from Worcester, calling at Droitwich Spa, Kidderminster and Hagley, and need not call at Lye, Old Hill and Langley Green. **Some** services from Worcester shall originate from Great Malvern, calling at Malvern Link, as specified below.

Additional Services and Variations – From Birmingham

- 3.3 Between 0900 and the Early Service, one additional service shall be provided from Birmingham Snow Hill to Stourbridge Junction, calling at the stations specified in Paragraph 1.1. This service shall be extended to Great Malvern, calling at Hagley, Kidderminster and Droitwich Spa, Worcester Shrub Hill, Worcester Foregate Street and Malvern Link. This service need not call at Langley Green, Old Hill and Lye.
- 3.4 Between 1000 and 1259, one of the services specified in Paragraph 3.1 departing from Birmingham Snow Hill to Worcester shall be extended to Great Malvern, calling at Malvern Link.
- 3.5 Between 1700 and 1730, an additional service shall be provided from Birmingham Snow Hill to Worcester, calling at Stourbridge Junction, Hagley, Kidderminster and Droitwich Spa.
- 3.6 Between the Late Service and 2029, two services shall be provided from Birmingham Snow Hill to Stourbridge Junction, calling at the stations specified in Paragraph 1.1. These services shall be extended to Worcester, calling at Hagley, Kidderminster and Droitwich Spa, and need not call at Langley Green, Old Hill and Lye. One of these services shall be extended to Great Malvern and depart Birmingham Snow Hill between 2000 and 2029, calling at Malvern Link. The first of these services shall depart Birmingham Snow Hill no earlier than one hour after the Late Service.
- 3.7 Between 2030 and 2300, two services shall be provided from Birmingham Snow Hill to Stourbridge Junction at an interval not exceeding 1 hour 15 minutes, calling at the stations specified in Paragraph 1.1. These services shall be extended to Worcester, calling at Hagley, Kidderminster and Droitwich Spa, and need not call at Langley Green, Old Hill and Lye.

Additional Services and Variations – Towards Birmingham

- 3.8 Between 0945 and 1230, three of the services specified in Paragraph 3.2 departing from Worcester to Birmingham Snow Hill shall originate from Great Malvern, calling at Malvern Link. These services shall be provided at hourly intervals, except that one interval may be extended to 1 hour 15 minutes.
- 3.9 Between 1530 and 1600, an additional service shall be provided from Great Malvern to Birmingham Snow Hill, calling at Malvern Link, Worcester

Foregate Street, Droitwich Spa, Kidderminster, Hagley, Stourbridge Junction and Smethwick Galton Bridge.

- 3.10 Between the Late Service and 2315, five services shall be provided from Stourbridge Junction to Birmingham Snow Hill at hourly intervals, calling at the stations specified in Paragraph 1.1. These services shall start back from Worcester, calling at Droitwich Spa, Kidderminster and Hagley, and need not call at Lye, Old Hill or Langley Green. The last of these services shall originate from Great Malvern and depart from that station not earlier than 2145, calling additionally at Malvern Link. The first of these services shall depart Stourbridge Junction no earlier than one hour after the Late Service.

4. Limited Stops

4.1 Hartlebury - Mondays to Fridays

On Mondays to Fridays, Hartlebury shall be served as follows:

- (a) By three services departing from Birmingham Snow Hill between 0645 and 0915.
- (b) By three services departing from Birmingham Snow Hill between 1630 and 1830.
- (c) By three services departing from Worcester between 0600 and 0815.
- (d) By three services departing from Worcester between 1600 and 1900.

4.2 Hartlebury - Saturdays

On Saturdays, Hartlebury shall be served as follows:

- (a) By one service departing from Birmingham Snow Hill between 0600 and 0700.
- (b) By four services departing from Birmingham Snow Hill between 1600 and 1830.
- (c) By three services departing from Worcester between 0600 and 0815.
- (d) By three services departing from Worcester between 1600 and 1900.

4.3 Blakedown- Sundays

On Sundays, Blakedown shall be served as follows:

- (a) By four services from Birmingham Snow Hill
- (b) By five services from Worcester, except that one of these services may originate from Kidderminster.

5. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Stourbridge Junction	0820	0910	1045
Stourbridge Junction – Birmingham Snow Hill	0830	0930	1025

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Stourbridge Junction	1800	1750	1815
Stourbridge Junction – Birmingham Snow Hill	1820	1820	1750

6. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham Snow Hill – Stourbridge Junction	29 minutes. One service may take up to 31 minutes	29 minutes	29 minutes
Stourbridge Junction – Birmingham Snow Hill	32 minutes. One service may take up to 37 minutes.	31 minutes	30 minutes
Birmingham Snow Hill – Worcester (Shrub Hill or Foregate Street)	1 hour 1 minute. Five services may take up to 1 hour 4 minutes. One further service may take up to 1 hour 10 minutes.	1 hour 1 minute. Four services may take up to 1 hour 3 minutes.	55 minutes. Five services may take up to 1 hour 2 minutes.
Worcester (Shrub Hill or Foregate Street) - Birmingham Snow Hill	1 hour 3 minutes. Six services may take up to 1 hour 9 minutes.	1 hour 2 minutes. Four services may take up to 1 hour 7 minutes.	57 minutes. Two services may take up to 1 hour 4 minutes

Route E STOURBRIDGE JUNCTION – STOURBRIDGE TOWN

1. Route Definition

- 1.1 Services shall be provided between Stourbridge Junction and Stourbridge Town.
- 1.2 The operator shall use reasonable endeavours to ensure that services arriving at Stourbridge Junction from Stourbridge Town shall connect with services arriving and departing Stourbridge Junction to and from Birmingham and Kidderminster.

2. Service Pattern – Mondays to Fridays and Saturdays

- 2.1 Between and including the Early and Late Services, six services per hour shall be provided between Stourbridge Junction and Stourbridge Town, except where specified otherwise in the time periods in the tables below:

Services from Stourbridge Junction between:	Number of trains to be provided in time period on Mondays to Fridays:	Number of trains to be provided in time period on Saturdays:
0500-0559	2	1
0600-0659	N/A	2
2200-2259	5	5
2300-2359	4	4

Services from Stourbridge Town between:	Number of trains to be provided in time period on Mondays to Fridays:	Number of trains to be provided in time period on Saturdays:
0500-0559	1	N/A
0600-0659	N/A	3
0700-0759	N/A	5
2200-2259	N/A	5
2300-2359	4	4

3. Service Pattern – Sundays

3.1 Between and including the Early and Late Services, four services per hour shall be provided between Stourbridge Junction and Stourbridge Town, except where specified otherwise in the time periods in the tables below:

Services from Stourbridge Junction between:	Number of trains to be provided in time period on Sundays:
0900-0959	1

Services from Stourbridge Town between:	Number of trains to be provided in time period on Sundays:
0900-0959	1

4. Limited Stops

There is no requirement for Limited Stops on this route.

5. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Stourbridge Junction – Stourbridge Town	0615	0715	1005
Stourbridge Town – Stourbridge Junction	0610	0810	1015

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Stourbridge Junction – Stourbridge Town	2155	2155	1945
Stourbridge Town – Stourbridge Junction	2250	2250	1950

6. Maximum Journey Times

No requirement.

**Route AA WCML RAIL REPLACEMENT BUS SERVICES
STONE - STOKE-ON-TRENT**

1. Route Definition

- 1.1 Bus services shall be provided between Stone and Stoke-on-Trent, calling at Barlaston and Wedgwood.
- 1.2 Services shall be planned to provide access to the National Rail network by providing connections at Stone and Stoke-on-Trent for passengers to or from Barlaston and Wedgwood.

2. Service Pattern - Mondays to Fridays

- 2.1 Between and including the early and late bus services, six bus services shall be provided from Stone to Stoke-on-Trent at two-hourly intervals, calling at the stations specified in Paragraph 1.1. One interval between services may be extended to two hours 30 minutes.
- 2.2 Between and including the early and late bus services, six bus services shall be provided from Stoke-on-Trent to Stone at two-hourly intervals, calling at the stations specified in Paragraph 1.1. One interval between services may be extended to two hours 30 minutes.

3. Service Pattern - Saturdays

- 3.1 Between and including the early and late bus services, six bus services shall be provided from Stone to Stoke-on-Trent at two-hourly intervals, calling at the stations specified in Paragraph 1.1. One interval between services may be extended to three hours.
- 3.2 Between and including the early and late bus services, six bus services shall be provided from Stoke-on-Trent to Stone at two-hourly intervals, calling at the stations specified in Paragraph 1.1.

4. Service Pattern - Sundays

There is no requirement for bus services on Sundays.

5. Limited Stops

There is no requirement for Limited Stops on these bus services.

6. Early and Late bus services

<i>Early bus service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Stone - Stoke-on-Trent	0800	0800	N/A
Stoke-on-Trent - Stone	0745	0915	N/A

<i>Late bus service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Stone - Stoke-on-Trent	1700	1700	N/A
Stoke-on-Trent - Stone	1700	1700	N/A

7. Maximum Journey Times

There is no requirement for Maximum Journey Time to be specified on this route.

**Route AB WCML RAIL REPLACEMENT BUS SERVICES
STAFFORD - NORTON BRIDGE - STONE**

1. Route Definition

- 1.1 Bus services shall be provided between Stafford and Stone, calling at Norton Bridge.
- 1.2 Services shall be planned to provide access to the National Rail network by providing connections at Stafford and Stone for passengers to or from Norton Bridge.

2. Service Pattern – Mondays to Fridays

- 2.1 Between and including the early and late bus services, four bus services shall be provided from Stafford to Stone, calling at Norton Bridge. The maximum interval between services shall not exceed 2 hours 30 minutes.
- 2.2 One additional bus service shall be provided from Stafford to Norton Bridge in each of the time periods 1615-1645 and 1715-1745.
- 2.3 Between and including the early and late bus services, four bus services shall be provided from Stone to Stafford, calling at Norton Bridge. The maximum interval between services shall not exceed 2 hours 45 minutes.
- 2.4 Between 0745 and 0815, one additional bus service shall be provided from Norton Bridge to Stafford.
- 2.5 Between 1645 and 1715, one additional bus service may be provided from Norton Bridge to Stafford.

3. Service Pattern – Saturdays

- 3.1 Between and including the early and late bus services, four bus services shall be provided from Stafford to Stone, calling at Norton Bridge. The maximum interval between services shall not exceed 2 hours 30 minutes.
- 3.2 One additional bus service shall be provided from Stafford to Norton Bridge in each of the time periods 1615-1645 and 1715-1745.
- 3.3 Between and including the early and late bus services, four bus services shall be provided from Stone to Stafford, calling at Norton Bridge. The maximum interval between services shall not exceed 2 hours 45 minutes.
- 3.4 Between 0745 and 0815, one additional bus service shall be provided from Norton Bridge to Stafford.

3.5 Between 1645 and 1715, one additional bus service may be provided from Norton Bridge to Stafford.

4. Service Pattern - Sundays

There is no requirement for bus services on Sundays.

5. Limited Stops

There is no requirement for Limited Stops on these bus services.

6. Early and Late bus services

<i>Early bus service arrives at destination no later than:</i>			
<i>Route</i>	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Stafford - Stone	0915	0915	N/A
Stone - Stafford	1015	1015	N/A

<i>Late bus service departs no earlier than:</i>			
<i>Route</i>	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Stafford - Stone	1400	1400	N/A
Stone - Stafford	1530	1530	N/A

6. Maximum Journey Times

There is no requirement for Maximum Journey Time to be specified on this route.

Route F COVENTRY – NUNEATON

1. Route Definition

1.1 Services shall be provided between Coventry and Nuneaton, calling at Coventry Arena, Bedworth and Bermuda Park.

2. Service Pattern – Mondays to Fridays and Saturdays

2.1 Between and including the Early and Late Services, services shall be provided between Coventry and Nuneaton at hourly intervals, calling at the stations specified in Paragraph 1.1. One interval of 1 hour 50 minutes shall be permitted in each direction.

2.2 On Mondays to Fridays, one additional service shall be provided from Coventry to Nuneaton between 2130 and 2200, after the Late Service, calling at the stations specified in Paragraph 1.1..

2.3 On Saturdays, three additional services shall be provided from Coventry to Nuneaton between 1830 and 2200, after the Late Service, calling at the stations specified in Paragraph 1.1. The interval between each of these services may be extended up to 1 hour 35 minutes.

2.4 On Mondays to Fridays and Saturdays, two additional services shall be provided from Nuneaton to Coventry between 2030 and 2300, after the Late Service, calling at the stations specified in Paragraph 1.1. The second of these services shall depart Nuneaton not earlier than 2210.

3. Service Pattern – Sundays

3.1 Between and including the Early and Late Services, services shall be provided between Coventry and Nuneaton at hourly intervals, calling at the stations specified in Paragraph 1.1.

3.2 One additional service shall be provided from Coventry to Nuneaton between 1100 and 1200 and may operate up to two hours before the Early Service.

3.3 After the Late Service, one additional service shall be provided from Coventry to Nuneaton between 1900 and 2000, calling at the stations specified in Paragraph 1.1.

3.4 One additional service shall be provided from Nuneaton to Coventry between 1130 and 1245, calling at the stations specified in Paragraph 1.1 and may operate up to two hours before the Early Service.

- 3.5 After the Late Service, two additional services shall be provided from Nuneaton to Coventry between 1930 and 2200, calling at the stations specified in Paragraph 1.1. The interval between these services may be extended up to 2 hours.

4. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Coventry-Nuneaton	0645	0645	1415
Nuneaton-Coventry	0715	0715	1445

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Coventry-Nuneaton	2015	1700	1730
Nuneaton-Coventry	1945	1745	1745

5. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Coventry-Nuneaton	22 minutes.	22 minutes	22 minutes
Nuneaton-Coventry	22 minutes.	22 minutes	22 minutes

**Route G (LONDON EUSTON) - NORTHAMPTON - RUGBY - NUNEATON
– STAFFORD – STONE – STOKE-ON-TRENT - CREWE**

1. Route Definition

- 1.1 Services shall be provided between Rugby and Crewe, calling at Nuneaton, Atherstone, Tamworth, Lichfield Trent Valley, Rugeley Trent Valley, Stafford, Stone, Stoke-on-Trent, Kidsgrove and Alsager.
- 1.2 Services in Route G shall be extended to or from London Euston as an incremental service, calling at Milton Keynes Central. In the event that this incremental service extension is withdrawn, then services in Route G specified to be extended to or from London Euston shall be extended instead to and from Northampton and linked to services specified in Route Q (London-Northampton) Paragraph 1.1(b), to ensure through services are provided between London Euston, Northampton and the Trent Valley.
- 1.3 Limited Stops shall be provided at Leighton Buzzard, Long Buckby and Polesworth.

2. Service Pattern – Mondays to Fridays and Saturdays

Mondays to Fridays - Northbound

- 2.1 Between the Early and Late Services, services shall be provided from Rugby to Crewe at hourly intervals, calling at the stations specified in Paragraph 1.1.
- 2.2 Services specified in Paragraph 2.1 shall be extended to depart from London Euston between 0745-2100, calling additionally at Milton Keynes Central.
- 2.3 Between 0600-0810, three additional services shall be provided from Rugby to Crewe at hourly intervals, calling at the stations in Paragraph 1.1. All shall be extended to start from Northampton and the last of these shall be further extended to depart from London Euston between 0615-0645, calling at Watford Junction, Hemel Hempstead, Berkhamsted, Tring, Cheddington, Leighton Buzzard, Bletchley, Milton Keynes Central, Wolverton and Northampton.
- 2.4 Not used.

Mondays to Fridays - Southbound

- 2.5 Between the Early and Late Services, services shall be provided from Crewe to Rugby at hourly intervals, calling at the stations specified in Paragraph 1.1, except:
 - (a) The Early Service need not call at Alsager, Kidsgrove, Stoke-on-Trent and Stone, provided that alternative stops are made by an additional service from Crewe to Birmingham New Street, with a connection into the Route G Early Service at Stoke-on-Trent (from Alsager and Kidsgrove) or Stafford (from Stone). The additional service may also provide calls specified by one of the

services in Route H (Wolverhampton – Birmingham New Street).

- 2.6 Services departing from Rugby specified in Paragraph 2.5 shall be extended to London Euston, calling additionally at Milton Keynes Central.
- 2.7 Between 0500 and 0545, one additional service shall be provided from Crewe to Rugby and extended to Northampton, calling at Rugeley Trent Valley, Lichfield Trent Valley, Tamworth, Atherstone, Nuneaton, Rugby, Long Buckby and Northampton.
- 2.8 Between 1845 and 2030, two additional services shall be provided from Crewe to Rugby and extended to Northampton, calling at the stations specified in Paragraph 1.1.

Saturdays - Northbound

- 2.8 Between 0600-0810, three additional services shall be provided from Rugby to Crewe, calling at the stations specified in Paragraph 1.1. All shall be extended to start from Northampton and the last of these shall be further extended to depart from London Euston between 0615-0645, calling at Watford Junction, Hemel Hempstead, Berkhamsted, Tring, Cheddington, Leighton Buzzard, Bletchley, Milton Keynes Central, Wolverton and Northampton.
- 2.9 Between the Early and Late Services, services shall be provided from Rugby to Crewe at hourly intervals, calling at the stations specified in Paragraph 1.1.
- 2.10 Services specified in Paragraph 2.9 shall originate from London Euston between 0745-1900, calling additionally at Milton Keynes Central.

Saturdays – Southbound

- 2.11 Between the Early and Late Services, services shall be provided from Crewe to Rugby at hourly intervals, calling at the stations specified in Paragraph 1.1.
- 2.12 Services specified in Paragraph 2.11 shall be extended to London Euston, departing from Rugby between 0815-1830, calling additionally at Milton Keynes Central.
- 2.13 Between 0545 and 0745 two additional services shall be provided from Crewe to London Euston, calling at Stoke-on-Trent, Stafford, Rugeley Trent Valley, Lichfield Trent Valley, Tamworth High Level, Atherstone, Nuneaton, Rugby, Milton Keynes Central and London Euston.
- 2.14 Between 1715-1915, two additional services shall be provided from Crewe to Rugby, at a minimum interval of 50 minutes, calling at the stations specified in Paragraph 1.1. Both services shall be extended to Northampton.

3. Service Pattern – Sundays

Northbound

- 3.1 Between 0930-1000, one additional service shall be provided from Northampton to Crewe, calling at Long Buckby and the stations specified in Paragraph 1.1.
- 3.2 Between 1100 and the Early Service, three services shall be provided from Northampton to Crewe at a maximum interval of 1 hour 45 minutes between services, calling at Long Buckby and the stations specified in Paragraph 1.1. All of these services shall originate from London Euston, calling at stations en route as specified in Route Q.
- 3.3 Between and including the Early and the Late Services, eight services shall be provided from London Euston to Crewe at hourly intervals, calling at the stations specified in Paragraph 1.1 and additionally at Watford Junction, Milton Keynes Central, and Northampton.

Southbound

- 3.4 Between the Early and the Late Services, 11 services shall be provided from Crewe to London Euston at hourly intervals, calling at the stations specified in Paragraphs 1.1 and additionally at Long Buckby, Northampton, Milton Keynes Central, Leighton Buzzard and Watford Junction.
- 3.5 Between 2030-2100, one additional service shall be provided from Crewe to Northampton, calling at the stations specified in Paragraph 1.1 and additionally at Long Buckby.

4. Limited Stops

4.1 Leighton Buzzard, Long Buckby

Leighton Buzzard and Long Buckby shall be served as follows:

- (a) On Sundays, all services between London Euston and Crewe shall call at Leighton Buzzard and Long Buckby.

4.2 Polesworth

- (a) On Mondays to Saturdays, Polesworth shall be served by one service per day in one direction, observing the calling pattern specified in Paragraph 1.1.

5. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
London Euston - Rugby - Crewe	1030	1030	1615
Crewe – Rugby – London Euston	0945	1000	1315

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
London Euston - Rugby - Crewe	2040	1840	1940
Crewe – Rugby – London Euston	1740	1640	1940

6. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
London Euston - Crewe	2 hours 40 minutes	2 hours 40 minutes	3 hours 20 minutes
Crewe – London Euston	2 hours 55 minutes	2 hours 55 minutes	3 hours 20 minutes. Two services may take up to 3 hours 40 minutes.
Rugby - Crewe	1 hour 45 minutes	1 hour 45 minutes	1 hour 42 minutes
Crewe - Rugby	1 hour 52 minutes	1 hour 52 minutes	1 hour 45 minutes

Route H BIRMINGHAM NEW STREET – WOLVERHAMPTON

1. Route Definition

- 1.1 Services shall be provided between Birmingham New Street and Wolverhampton, calling at Smethwick Rolfe Street, Smethwick Galton Bridge (Low Level), Sandwell & Dudley, Dudley Port, Tipton and Coseley.
- 1.2 Services specified in this route may be combined with those in Route J1.
- 1.3 Other services are also provided to Smethwick Galton Bridge and Coseley (**Route P**) and Sandwell & Dudley (**Route O**) within the West Midlands TSR1.
- 1.4 Services in Route H may skip-stop and omit calls at intermediate stations, provided the total quantum of calls in each hour is maintained at each station as shown in **Appendix 1** of TSR1. This may necessitate different calling patterns in each direction.

2. Service Pattern - Mondays to Fridays and Saturdays

- 2.1 Between and including the Early and Late Services, services shall be provided at half-hourly intervals between Birmingham New Street and Wolverhampton, calling at the stations specified in Paragraph 1.1. The interval between the penultimate and Late Services may be extended up to 45 minutes.
- 2.2 On Mondays to Fridays, one additional service shall be provided from Wolverhampton to Birmingham New Street between 0730 and 0800. This service need not call at Sandwell & Dudley.

3. Service Pattern - Sundays

- 3.1 Between and including the Early and Late Services, services shall be provided at hourly intervals between Birmingham New Street and Wolverhampton, calling at the stations specified in Paragraph 1.1.

4. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Wolverhampton	0640	0640	1010
Wolverhampton - Birmingham New Street	0655	0655	0930

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Wolverhampton	2300	2300	2300
Wolverhampton - Birmingham New Street	2245	2245	2215

5. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Wolverhampton	26 minutes. One service may take up to 28 minutes.	26 minutes	26 minutes
Wolverhampton - Birmingham New Street	25 minutes. Three services may take up to 28 minutes.	25 minutes	25 minutes. One service may take up to 27 minutes.

Route I NORTHAMPTON - RUGBY - BIRMINGHAM NEW STREET

1. Route Definition

- 1.1 Services shall be provided between Northampton and Birmingham New Street calling at stations in accordance with the directional calling patterns specified below.
- 1.2 Services shall be provided between Coventry and Birmingham New Street, calling at:

Towards Birmingham: Canley, Tile Hill, Berkswell, Hampton-in-Arden, Birmingham International and Marston Green.
From Birmingham: Stechford, Lea Hall, Marston Green, Birmingham International, Hampton-in-Arden, Berkswell, Tile Hill and Canley.
- 1.3 Services shall be provided between Birmingham International and Birmingham New Street, calling at Lea Hall, Stechford and Adderley Park
- 1.4 Services in Route I can be combined at Birmingham New Street with services in Route P (Birmingham New Street – Liverpool), to provide cross-Birmingham inter-urban journey opportunities, provided that the TSR1 service requirements specified below for Route I are met.
- 1.5 Services in Route I can be combined at Northampton with services in Route Q (London Euston-Northampton), to provide cross-Northampton inter-urban journey opportunities, provided that the TSR1 service requirements specified below for Route I are met.
- 1.6 Services specified in Paragraph 1.3 may be combined with services specified in Routes H, I or J2.

2. Service Pattern – Mondays to Fridays and Saturdays

Towards Birmingham

- 2.1 Services from Northampton to Birmingham New Street shall call at the stations specified in the directional calling pattern below:

Service A: Long Buckby, Rugby, Coventry, Canley, Tile Hill, Berkswell, Birmingham International, Marston Green, Lea Hall and Stechford.
Service B: Long Buckby, Rugby, Coventry, Tile Hill, Hampton-in-Arden, Birmingham International and Marston Green.
- 2.2 Between and including the Early and Late Services, one service per hour shall be provided from Northampton to Birmingham New Street, calling at the stations as specified for each of the directional calling patterns for Service A

and Service B in Paragraph 2.1.

- 2.3 On Mondays to Fridays, one additional service shall be provided from Northampton to Birmingham New Street between 0500 and 0530, calling at Long Buckby, Rugby, Coventry, Tile Hill, Hampton-in-Arden, Birmingham International and Marston Green.
- 2.4 One additional service shall be provided from Northampton to Birmingham New Street between 2245 and 2315, calling at the stations specified in paragraph 2.1 Service A and additionally at Hampton-in-Arden. This service need not call at Adderley Park.
- 2.5 Between and including the Early and Late Services, services shall be provided from Coventry to Birmingham New Street at hourly intervals, calling at the stations specified in Paragraph 1.2, except:
 - (a) Between 0800-0859, 1000-1659 and 1900-2059 departure time from Coventry on Mondays to Fridays, services shall be extended to originate from Northampton, calling at Long Buckby and Rugby.
 - (b) Between 0800-0859 and 1000-2059 departure time from Coventry on Saturdays, services shall be extended to originate from Northampton, calling at Long Buckby and Rugby.
 - (c) Services in this Paragraph 2.5 extended to originate from Northampton shall only be subject to Maximum Journey Time from Coventry to Birmingham New Street, as specified in Section 6 below.
- 2.6 Between and including the Early and Late Services, services shall be provided from Birmingham International to Birmingham New Street at hourly intervals, calling at the stations specified in Paragraph 1.3.
- 2.7 On Mondays to Fridays between 1730-2115, four services departing from Northampton to Rugby at hourly intervals shall be extended to start from London Euston, as part of the service specified in **Route Q** Paragraph 5

From Birmingham

- 2.8 Services from Northampton to Birmingham New Street shall call at the stations specified in the directional calling pattern below:

Service A: Marston Green, Birmingham International, Berkswell, Tile Hill, Canley, Coventry, Rugby and Long Buckby..

Service B: Marston Green, Birmingham International, Hampton-in-Arden, Tile Hill, Coventry, Rugby and Long Buckby.
- 2.9 Between and including the Early and Late Services, one service per hour shall be provided from Birmingham New Street to Northampton, calling at the stations as specified for each of the directional calling patterns for Service A and Service B in Paragraph 2.8. One service departing from Birmingham New Street between 0630 and 0700 need not call at Tile Hill.

- 2.10 On Mondays to Fridays, before the Early Service, one additional service shall be provided between 0545 and 0615 from Birmingham New Street to Northampton, calling at Marston Green, Birmingham International, Berkswell, Tile Hill, Canley, Coventry, Rugby and Long Buckby.
- 2.11 After the Late Service, two additional services shall be provided from Birmingham New Street to Northampton at hourly intervals, calling at the stations specified in Paragraph 2.8 (Service A calling pattern). The second service shall depart Birmingham New Street no earlier than 2240.
- 2.12 Between and including the Early and Late Services, services shall be provided from Birmingham New Street to Coventry at hourly intervals, calling at the stations specified in Paragraph 1.2, except:
- (a) One service departing from Birmingham New Street on Mondays to Fridays between 0700 and 0730 need not call at Hampton-in-Arden, Berkswell and Canley.
 - (b) One service departing from Birmingham New Street between 1700 and 1730 need only call at Stechford, Birmingham International, Tile Hill and Canley.
 - (c) Between 0700-1559 and 1630-1930 departure time from Birmingham New Street on Mondays to Fridays, services shall be extended to Northampton, calling at Rugby and Long Buckby. Two of these services need not call at Long Buckby.
 - (d) Between 0600-1930 departure time from Birmingham New Street on Saturdays, services shall be extended to Northampton, calling at Rugby and Long Buckby. Two of these services need not call at Long Buckby.
 - (e) Services in this Paragraph 2.12 extended to Northampton shall only be subject to Maximum Journey Time from Coventry to Birmingham New Street, as specified in Section 6 below.
- 2.13 Between and including the Early and Late Services, services shall be provided from Birmingham New Street to Birmingham International at hourly intervals, calling at the stations specified in Paragraph 1.3.
- 2.14 On Mondays to Fridays between 1700 and 1730, one additional service shall be provided from Birmingham New Street to Coventry, calling at Adderley Park, Lea Hall, Marston Green, Birmingham International, Hampton-in-Arden and Berkswell.
- 2.15 The Late Service from Birmingham New Street to Coventry shall also call at Adderley Park.
- 2.16 On Mondays to Fridays after the Late Service, one additional service shall be provided from Birmingham New Street to Coventry, calling at Marston Green and Birmingham International. This service shall depart Birmingham New Street no earlier than 2345.
- 2.17 On Mondays to Fridays between 0500-0630, two additional services shall be provided from Rugby to Northampton, calling at Long Buckby. One of these

services shall be extended to originate from Coventry. The interval between these services shall be at least 45 minutes. These services shall be extended to London Euston as part of the service specified in **Route Q** Paragraph 5.

3. Service Pattern – Sundays

Towards Birmingham

- 3.1 Between 0830 and 0859, one additional service shall be provided from Coventry to Birmingham New Street, calling at Canley, Tile Hill, Berkswell, Hampton-in-Arden, Birmingham International and Marston Green. This service shall be timed at arrive at Birmingham New Street no later than 0915.
- 3.2 Between 0900 and 1059, two additional services shall be provided from Coventry to Birmingham New Street at an hourly interval, calling at Canley, Tile Hill, Berkswell, Hampton-in-Arden, Birmingham International and Marston Green. The first of these services shall be timed at arrive at Birmingham New Street no earlier than 30 minutes after the service specified in Paragraph 3.1.
- 3.3 Between 0845 and 0915, one additional service shall be provided from Rugby to Birmingham New Street, calling at Coventry, Tile Hill, Birmingham International and Marston Green.
- 3.4 Between 0845 and 0915, one additional service shall be provided from Birmingham International to Birmingham New Street, calling at Marston Green, Lea Hall, Stechford and Adderley Park.
- 3.5 Between and including the Early and Late Services, services shall be provided from Coventry to Birmingham New Street at hourly intervals, calling at Birmingham International, Marston Green, Lea Hall, Stechford and Adderley Park. Services departing Coventry between 1300 and 2115 shall also call at Tile Hill.
- 3.6 Between 0915 and 0945, one additional service shall be provided from Northampton to Birmingham New Street, calling at Long Buckby, Rugby, Coventry, Birmingham International, Marston Green, Lea Hall, Stechford and Adderley Park.
- 3.7 Between and including the Early and Late Services, services shall be provided from Northampton to Birmingham New Street at hourly intervals, calling at Long Buckby, Rugby, Coventry, Canley, Tile Hill, Berkswell, Hampton-in-Arden and Birmingham International.
- 3.8 After the Late Service from Northampton to Birmingham New Street, one additional service shall be provided from Northampton to Coventry, calling at Long Buckby and Rugby. This service shall depart from Northampton no earlier than 2320.

From Birmingham

- 3.9 Between 0830 and 0900, one additional service shall be provided from Birmingham New Street to Birmingham International, calling at Adderley Park, Stechford, Lea Hall and Marston Green.
- 3.10 One additional service shall be provided one hour before the Early Service from Birmingham New Street to Coventry, calling at Marston Green, Birmingham International, Berkswell, Tile Hill and Canley. This service need not call at Hampton-in-Arden.
- 3.11 Between and including the Early and Late Services, services shall be provided from Birmingham New Street to Coventry at hourly intervals, calling at Adderley Park, Stechford, Lea Hall, Marston Green and Birmingham International. Services departing Birmingham New Street between 1215 and 2045 shall also call at Tile Hill.
- 3.12 Between and including the Early and Late Services, services shall be provided from Birmingham New Street to Northampton at hourly intervals, calling at Marston Green, Birmingham International, Hampton-in-Arden, Berkswell, Tile Hill, Canley, Coventry, Rugby and Long Buckby.
- 3.13 One additional service shall be provided from Birmingham New Street to Coventry one hour after the Late Service from Birmingham New Street to Northampton, calling at all stations.

4. Limited Stops

There is no requirement for Limited Stops in Route I.

5. Early and Late Services

	<i>Early Service arrives at destination no later than:</i>		
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Northampton - Birmingham New Street <i>(Paragraph 2.1 calling pattern)</i>	0715	0715	1115 **
Birmingham New Street - Northampton <i>(Paragraph 2.9 calling pattern)</i>	0800	0800	1030 **
Coventry - Birmingham New Street <i>(Paragraph 1.2 calling pattern)</i>	0645	0645	1145 *
Birmingham New Street - Coventry <i>(Paragraph 1.2 calling pattern)</i>	0655	0655	1015 *
Birmingham International – Birmingham New Street <i>(Paragraph 1.3 calling pattern)</i>	0635	0635	N/A
Birmingham New Street – Birmingham International <i>(Paragraph 1.3 calling pattern)</i>	0700	0700	N/A

* *Sundays - Paragraph 3.4 / 3.10 calling pattern*

** *Sundays - Paragraph 3.6 / 3.11 calling pattern*

	<i>Late Service departs no earlier than:</i>		
<i>Route</i>	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Northampton - Birmingham New Street <i>(Paragraph 2.1 calling pattern)</i>	2200	2200	2245 **
Birmingham New Street - Northampton <i>(Paragraph 2.9 calling pattern)</i>	2130	2130	2210 **
Coventry - Birmingham New Street <i>(Paragraph 1.2 calling pattern)</i>	2205	2205	2300 *
Birmingham New Street - Coventry <i>(Paragraph 1.2 calling pattern)</i>	2310	2310	2230 *
Birmingham International – Birmingham New Street <i>(Paragraph 1.3 calling pattern)</i>	2215	2215	N/A
Birmingham New Street – Birmingham International <i>(Paragraph 1.3 calling pattern)</i>	2135	2135	N/A

* *Sundays - Paragraph 3.4 / 3.10 calling pattern*

** *Sundays - Paragraph 3.6 / 3.11 calling pattern*

6. Maximum Journey Times

<i>Route</i>	<i>Monday – Friday*</i>	<i>Saturday*</i>	<i>Sunday**</i>
Northampton - Birmingham New Street <i>(Paragraph 2.1 calling pattern)</i>	1 hour 7 minutes * One service may take up to 1 hour 11 minutes.	1 hour 7 minutes *	1 hour 7 minutes * One service may take up to 1 hour 15 minutes.
Birmingham New Street- Northampton <i>(Paragraph 2.9 calling pattern)</i>	1 hour 7 minutes * Three services may take up to 1 hour 10 minutes.	1 hour 7 minutes*	1 hour 4 minutes *
Coventry - Birmingham New Street <i>(Paragraph 1.2 calling pattern)</i>	31 minutes. One service may take up to 32 minutes	31 minutes. One service may take up to 32 minutes	31 minutes **
Birmingham New Street - Coventry <i>(Paragraph 1.2 calling pattern)</i>	35 minutes	35 minutes The Late Service may take up to 36 minutes	31 minutes **
Birmingham International – Birmingham New Street <i>(Paragraph 1.3 calling pattern)</i>	16 minutes	16 minutes	N/A
Birmingham New Street – Birmingham International <i>(Paragraph 1.3 calling pattern)</i>	16 minutes	16 minutes	N/A

* *Includes allowance for Northampton-Birmingham services calling at other intermediate stations in Route I, between Coventry and Birmingham. Sundays - Paragraph 3.6 / 3.11 calling pattern*

** *Sundays - Paragraph 3.4 / 3.10 calling pattern*

**Route J1 BIRMINGHAM NEW STREET - WALSALL/HEDNESFORD (WM)
- RUGELEY TRENT VALLEY (Cannock line services)**

1. Route Definition

- 1.1 Services shall be provided between Birmingham New Street and Rugeley Trent Valley, via Walsall and Cannock, calling at Tame Bridge Parkway, Walsall, Bloxwich, Bloxwich North, Landywood, Cannock, Hednesford and Rugeley Town.
- 1.2 Reasonable endeavours shall be exercised by the operator to provide connections within 15 minutes at Rugeley Trent Valley to services to and from Stafford and other Trent Valley stations in Route G.

2. Service Pattern – Monday to Friday and Saturdays

Core Service Specification

- 2.1 Between and including the Early and Late Services, services shall be provided between Birmingham New Street and Rugeley Trent Valley via Walsall and Cannock at hourly intervals, calling at the stations specified in Paragraph 1.1, except:
 - (a) On Mondays to Fridays, one service departing Birmingham New Street during the Morning Contra-Peak need not call at Bloxwich, Bloxwich North and Landywood.

Additional Services and Variations

Towards Rugeley Trent Valley - Mondays to Fridays

- 2.2 Between 0545 and 0645, two services shall be provided from Birmingham New Street to Rugeley Trent Valley at a minimum interval of 30 minutes between services, calling at the stations specified in Paragraph 1.1. The first of these services shall additionally call at all stations between Birmingham New Street and Walsall inclusive specified in Route J2 and not be subject to Maximum Journey Time.
- 2.3 Between 0830 and 0859, one service shall be provided from Birmingham New Street to Rugeley Trent Valley, calling at the stations specified in Paragraph 1.1.
- 2.4 Until May 2018, between 0930 and 1459, six services shall be provided from Birmingham New Street to Walsall at hourly intervals, calling at Tame Bridge Parkway. From May 2018, six services shall be provided from Birmingham New Street to Rugeley Trent Valley at hourly intervals, calling at Tame Bridge Parkway, Walsall, Cannock, Hednesford and Rugeley Town. These shall be timed with the services specified in Paragraph 2.1 to provide a half-hourly service from Birmingham New Street to Rugeley

Trent Valley.

- 2.5 Between 1530 and 1859, four services shall be provided at hourly intervals from Birmingham New Street to Rugeley Trent Valley, calling at the stations specified in Paragraph 1.1. These shall be timed with other services specified in Paragraph 2.1 to provide a half-hourly service from Birmingham New Street to Rugeley Trent Valley between 1600 and 1859.
- 2.6 Between 1900 and 1945, one service shall be provided from Birmingham New Street to Rugeley Trent Valley, calling at the stations specified in Paragraph 1.1 and additionally at Duddeston, Aston, Witton, Perry Barr, Hamstead and Bescot Stadium. This service shall not be subject to Maximum Journey Time.
- 2.7 Between 2000 and 2229, four services shall be provided at hourly intervals from Birmingham New Street to Rugeley Trent Valley, calling at the stations specified in Paragraph 1.1.
- 2.8 Between 2300 and 2329, one service shall be provided from Birmingham New Street to Rugeley Trent Valley, calling at the stations specified in Paragraph 1.1 and additionally at Duddeston, Aston, Witton, Perry Barr, Hamstead and Bescot Stadium.

Towards Birmingham - Mondays to Fridays

- 2.9 Between 0545 and 0615, one service shall be provided from Rugeley Trent Valley to Birmingham New Street, calling at the stations in Paragraph 1.1. This service shall also call at all stations between Walsall and Birmingham New Street inclusive specified in Route J2 and not be subject to Maximum Journey Time.
- 2.10 Between 0645 and 0929, three services shall be provided from Rugeley Trent Valley to Birmingham New Street at an interval between services of at least 50 minutes, calling at the stations in Paragraph 1.1. Between and including the Early Service and 0929, these services shall be timed with other services specified in Paragraph 2.1 to provide approximately a half-hourly service from Rugeley Trent Valley and Birmingham New Street, except that one interval between services may be extended to 40 minutes.
- 2.11 Until May 2018, between 1030 and 1559, six services shall be provided from Walsall to Birmingham New Street at hourly intervals, calling at Tame Bridge Parkway. From May 2018, six services shall be provided from Rugeley Trent Valley to Birmingham New Street at hourly intervals, calling at Rugeley Town, Hednesford, Cannock, Walsall and Tame Bridge Parkway. These shall be timed with the services specified in Paragraph 2.1 to provide a half-hourly service from Rugeley Trent Valley to Birmingham New Street

- 2.12 Between 1600 and 1859, three additional services shall be provided from Rugeley Trent Valley to Birmingham New Street at intervals of at least 50 minutes, calling at the stations in Paragraph 1.1. These shall be timed with services specified in Paragraph 2.1 to provide a half-hourly service from Rugeley Trent Valley to Birmingham New Street between 1600-1859. Three services need not call at Landywood, Bloxwich North and Bloxwich, provided that an hourly interval between services is maintained.
- 2.13 Between 1900 and 1929, one additional service shall be provided from Rugeley Trent Valley to Birmingham New Street, calling at all intermediate stations. This service shall not be subject to Maximum Journey Time.
- 2.14 Between 1930 and 2259, four additional services shall be provided at hourly intervals from **Rugeley Trent Valley** to Birmingham New Street, calling at the stations specified in Paragraph 1.1. The last of these services shall not depart Rugeley Trent Valley before 2230.

Towards Rugeley Trent Valley - Saturdays

- 2.15 Between 0545 and 0730, three additional services shall be provided at intervals not exceeding 40 minutes from Birmingham New Street to Rugeley Trent Valley, calling at all intermediate stations. These services shall not be subject to Maximum Journey Time. One service may terminate at Hednesford. One service need not call at Duddeston, Witton and Bescot Stadium.
- 2.16 Between 0800 and 1829, 11 services shall be provided from Birmingham New Street to Rugeley Trent Valley at hourly intervals, calling at the stations specified in Paragraph 1.1, except that these services need not call at Bloxwich, Bloxwich North and Landywood. These services shall be timed with other services specified in Paragraph 2.1 to provide a half-hourly service between and including the Early Service and Late Services (hourly at Bloxwich, Bloxwich North and Landywood).
- 2.17 Between 1900 and 1929, one additional service shall be provided from Birmingham New Street to Rugeley Trent Valley, calling at the stations specified in Paragraph 1.1 and additionally at Duddeston, Aston, Witton, Perry Barr, Hamstead and Bescot Stadium. This service shall not be subject to Maximum Journey Time.
- 2.18 Between 1930 and 2229, three additional services shall be provided at hourly intervals from Birmingham New Street to Rugeley Trent Valley, calling at the stations specified in Paragraph 1.1.
- 2.19 Between 2300 and 2329, one additional service shall be provided from Birmingham New street to **Hednesford** and additionally at Duddeston, Aston, Witton, Perry Barr, Hamstead and Bescot Stadium.

Towards Birmingham – Saturdays

- 2.20 Between 0600 and 0730, two services shall be provided to Birmingham New Street. One of these services shall originate from Rugeley Trent Valley and call at all intermediate stations, including all stations between Walsall and Birmingham New Street specified in Route J2 and shall not be subject to Maximum Journey Time.. The other service shall originate from Hednesford, calling only at Tame Bridge Parkway after Walsall.
- 2.21 Between 0700 and 0800, one service shall be provided from Rugeley Trent Valley to Birmingham New Street, calling at the stations specified in Paragraph 1.1. This service shall be timed to depart not later than 20 minutes before the Early Service.
- 2.22 Between 0830 and 1759, 10 services shall be provided from Rugeley Trent Valley to Birmingham New Street at hourly intervals, calling at the stations specified in Paragraph 1.1, except that these need not call at Landywood, Bloxwich North and Bloxwich. These shall be timed with other services specified in Paragraph 2.1 to provide a half-hourly service between and including the Early and Late Services (hourly at Landywood, Bloxwich North and Bloxwich).
- 2.23 Between 1830 and 1929, two services shall be provided at an interval of at least 20 minutes from Rugeley Trent Valley to Birmingham New Street, calling at the stations specified in Paragraph 1.1 and additionally at Bescot Stadium, Hamstead, Perry Barr, Witton, Aston and Duddeston. The first of these services need not call at Landywood, Bloxwich North and Bloxwich. These services shall not be subject to Maximum Journey Time.
- 2.24 Between 1930 and 2259, four services shall be provided at hourly intervals from Rugeley Trent Valley to Birmingham New Street, calling at the stations specified in Paragraph 1.1. The last of these services shall not depart Rugeley Trent Valley before 2230.

3. Service Pattern – Sundays

Core Service Specification

- 3.1 Between and including the Early and Late Services, services shall be provided between Birmingham New Street and Rugeley Trent Valley via Walsall and Cannock at hourly intervals, calling at the stations specified in Paragraph 1.1.
- 3.2 The services specified in Paragraph 3.1 and Route J2 Paragraph 3.1 shall be timed to provide a half-hourly frequency between Birmingham New Street and Walsall, calling at Tame Bridge Parkway in both directions. **The interval between such services may be extended to 40 minutes.**

Additional Services and Variations

There is no requirement for additional services or variations to the core service specification on Sundays.

4. Limited Stops

There is no requirement for Limited Stops in Route J1.

5. Early and Late Services

A. From Birmingham New Street

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Rugeley Trent Valley	0815	0845	1100
<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Rugeley Trent Valley	1800	1830	2230 *

**This service may terminate at Hednesford*

B. To Birmingham New Street

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Rugeley Trent Valley - Birmingham New Street	0745	0915 *	1100
<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Rugeley Trent Valley - Birmingham New Street	1810	1810	2230

** On Saturdays, the Early Service from Rugeley Trent Valley to Birmingham New Street may start from Hednesford .*

6. **Maximum Journey Times**

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Rugeley Trent Valley	1 hour 1 minute	1 hour 1 minute.	57 minutes
Rugeley Trent Valley - Birmingham New Street	57 minutes. Three services after the Late Service may take up to 1 hour	57 minutes. Three services after the Late Service may take up to 59 minutes.	58 minutes. Two services may take up to 1 hour.

Route J2 BIRMINGHAM NEW STREET - WALSALL

1. Route Definition

- 1.1 Services shall be provided between Birmingham New Street and Walsall, via Witton, calling at Duddeston, Aston, Witton, Perry Barr, Hamstead, Tame Bridge Parkway and Bescot Stadium.
- 1.2 The operator shall employ reasonable endeavours to ensure that Duddeston is served at 15-minute intervals during the main part of the day, through a combination of services on Route J2 and by services between Birmingham New Street-Four Oaks-Lichfield (City or Trent Valley) specified in Route L.

2. Service Pattern – Monday to Friday and Saturdays

Core Service Specification

- 2.1 Between and including the Early and Late Services, services shall be provided between Birmingham New Street and Walsall via Witton at half-hourly intervals, calling at the stations specified in Paragraph 1.1.
- 2.2 Services in Paragraph 2.1 may be provided by services operating between Wolverhampton and Birmingham New Street specified in Route H or by services between Birmingham International and Birmingham New Street specified in Route I.

Additional Services and Variations

Towards Walsall - Mondays to Fridays

- 2.3 In each of the timebands 0515-0545 and 0615-0645, one service shall be provided from Birmingham New Street to Walsall, calling at the stations specified in paragraph 1.1. The first of these services need call only at Hamstead, Tame Bridge Parkway and Bescot Stadium.
- 2.4 Between 1930 and 2259, four services shall be provided from Birmingham New Street to Walsall at hourly intervals, calling at the stations specified in Paragraph 1.1. The last of these services shall not depart Birmingham New Street before 2240.

Towards Birmingham - Mondays to Fridays

- 2.5 Between 0545 and 0615, one service shall be provided from Walsall to Birmingham New Street, calling the stations specified in Paragraph 1.1.
- 2.6 Between 2030 and 2359, four services shall be provided from Walsall to Birmingham New Street at hourly intervals, calling the stations specified in Paragraph 1.1. The last service shall not depart Walsall before 2330.

Towards Walsall - Saturdays

- 2.7 Between 1930 and 2259, four services shall be provided from Birmingham New Street to Walsall at hourly intervals, calling at the stations specified in Paragraph 1.1. The last of these services shall not depart Birmingham New Street before 2240.

Towards Birmingham – Saturdays

- 2.8 Between 0545 and 0645, two additional services shall be provided at a half-hourly interval from Walsall to Birmingham New Street, calling the stations specified in Paragraph 1.1.
- 2.9 Between 2030 and 2359, four services shall be provided from Walsall to Birmingham New Street at hourly intervals, calling the stations specified in Paragraph 1.1. The last service shall not depart Walsall before 2330.

3. Service Pattern - Sundays

Core Service Specification

- 3.1 Between and including the Early and Late Services, services shall be provided between Birmingham New Street and Walsall via Witton at hourly intervals, calling at the stations specified in Paragraph 1.1.
- 3.2 The services specified in Paragraphs 3.1 and Route J1 Paragraph 3.1 shall be timed to provide a half-hourly frequency between Birmingham New Street and Walsall, calling at Tame Bridge Parkway in both directions. **The interval between such services may be extended to 40 minutes.**

Additional Services and Variations

There is no requirement for additional services or variations to the core service specification on Sundays.

4. Limited Stops

There is no requirement for Limited Stops in Route J2.

5. Early and Late Services

A. From Birmingham New Street

<i>Early Service arrives at destination no later than:</i>			
Route	Monday - Friday	Saturday	Sunday
Birmingham New Street -Walsall	0730	0800	1000
<i>Late Service departs no earlier than:</i>			
Route	Monday - Friday	Saturday	Sunday
Birmingham New Street -Walsall	1850	1850	2300

B. To Birmingham New Street

<i>Early Service arrives at destination no later than:</i>			
Route	Monday - Friday	Saturday	Sunday
Walsall – Birmingham New Street	0730	0800	1035
<i>Late Service departs no earlier than:</i>			
Route	Monday - Friday	Saturday	Sunday
Walsall – Birmingham New Street	1920	1850	2250

6. Maximum Journey Times

A. From Birmingham New Street

Route	Monday - Friday	Saturday	Sunday
Birmingham New Street -Walsall	28 minutes	28 minutes	28 minutes

B. To Birmingham New Street

Route	Monday - Friday	Saturday	Sunday
Walsall – Birmingham New Street	28 minutes	28 minutes	29 minutes

Route K WOLVERHAMPTON –WALSALL

1. Route Definition

1.1 A direct service shall be provided between Wolverhampton and Walsall.

2. Service Pattern

2.1 One service per week shall be provided from Wolverhampton to Walsall,
or from Walsall to Wolverhampton.

3. Early and Late Services

No requirement.

4. Maximum Journey Times

No requirement.

**Route L LICHFIELD TRENT VALLEY - BLAKE STREET -
BIRMINGHAM NEW STREET - LONGBRIDGE – REDDITCH**

1. Route Definition

- 1.1 Services shall be provided between Four Oaks and Longbridge, calling at Sutton Coldfield, Wylde Green, Chester Road, Erdington, Gravelly Hill, Aston, Duddeston, Birmingham New Street, Five Ways, University, Selly Oak, Bournville, Kings Norton, and Northfield.
- 1.2 Services specified in Paragraph 1.1 shall be extended to and from Longbridge to Redditch, calling at Barnt Green and Alvechurch, or extended to and from Longbridge to Bromsgrove, and/or extended to and from Four Oaks to Lichfield Trent Valley, calling at Butlers Lane, Blake Street, Shenstone and Lichfield City, as specified below.

2. Service Pattern – Mondays to Fridays

Core Service Specification between 0600 and 1959

- 2.1 Between 0600 and 1959, six services per hour shall be provided from Four Oaks to Longbridge at 10-minute intervals, calling at the stations specified in Paragraph 1.1, except that one of these services departing Four Oaks after 1915 may terminate at Birmingham New Street. Four services per hour need not call at Duddeston, provided that Duddeston is served at half-hourly intervals.
- 2.2 Between 0610 and 1859, six services per hour shall be provided from Longbridge to Four Oaks at 10-minute intervals, calling at the stations specified in Paragraph 1.1. Four services per hour need not call at Duddeston, provided that Duddeston is served at half-hourly intervals by services on Route L. The operator shall employ reasonable endeavours to ensure that Duddeston is served at 15-minute intervals through a combination of services on Route L and by services between Birmingham New Street and Walsall specified in Route J2.
- 2.3 Two of the services per hour specified in Paragraphs 2.1 and 2.2 shall be extended from Four Oaks to terminate at or originate from Lichfield City, calling at Shenstone, Blake Street and Butlers Lane. These services shall run at half-hourly intervals and need not call at Shenstone, provided that stops at Shenstone are provided by services specified in Paragraph 2.4. There may be one extended interval of 40 minutes between services from Lichfield City, calling at Shenstone.
- 2.4 Two of the services per hour specified in Paragraph 2.1 and 2.2 shall be extended from Four Oaks to terminate at or originate from Lichfield Trent Valley, calling at Lichfield City, Blake Street and Butlers Lane. These services shall run at half-hourly intervals and need not call at Shenstone, provided that stops at Shenstone are provided by services specified in

Paragraph 2.3.

- 2.5 Between 0620-1944, three of the services per hour specified in Paragraph 2.1 and 2.2 shall be extended from Longbridge to terminate at or originate from Redditch, calling at Barnt Green and Alvechurch. These services shall run at approximately 20-minute intervals.
- 2.6 From the Passenger Change Date in December 2017, three of the services per hour specified in Paragraphs 2.1 and 2.2 shall be extended from Longbridge to terminate at or originate from Bromsgrove. These services shall run at approximately 20-minute intervals. One of these services per hour shall call at Barnt Green.

Additional Services and Variations

Northbound Services

- 2.7 Between 0545 and 0629, two additional services shall be provided between Birmingham New Street and Lichfield City, calling at all intermediate stations. The second of these services shall be extended to Lichfield Trent Valley
- 2.8 One service departing from Longbridge to Lichfield City between 0700 and 0730 need not call at stations between Four Oaks and Shenstone inclusive.
- 2.9 Between 1900 up to and including the Late Service from Longbridge, nine additional services shall be provided from Longbridge (Bromsgrove from the Passenger Change Date in December 2017) to Birmingham New Street, calling at all intermediate stations except Barnt Green. Four of these services shall call at Barnt Green. These shall be timed with services specified in Paragraph 2.9 to provide services between Longbridge and Birmingham New Street at 10-minute intervals between 1900 and 1959 and four services per hour at 15-minute intervals between 2000 up to and including the Late Service from Longbridge.
- (a) The Late Service from Longbridge shall be extended to Blake Street, calling at all intermediate stations.
- 2.10 Between 1945 up to and including the Late Service from Redditch, services shall be provided from Redditch to Lichfield Trent Valley at half-hourly intervals, calling at all intermediate stations. These shall be timed with services from Longbridge as specified in Paragraph 2.8.
- 2.11 After the Late Services from Longbridge and Redditch to Birmingham New Street and up to 2315, three additional services shall be provided between Longbridge and Birmingham New Street:
- (a) Two of these services shall have originated from Redditch and one shall be extended to Lichfield City, calling at all stations.
- (b) One of these services shall originate from Bromsgrove from the Passenger Change Date in December 2017.

(c) The maximum interval between these services between Longbridge and Birmingham New Street shall not exceed 25 minutes.

2.12 One additional service shall be provided after 2320 from Longbridge to Birmingham New Street, calling at all intermediate stations.

Southbound Services

2.13 Between 0530 and 0630, four additional services shall be provided from Birmingham New Street to Longbridge, calling at all intermediate stations. One of these services shall be extended beyond Longbridge to Redditch, calling at Barnt Green and Alvechurch. Two of these services shall be extended beyond Longbridge to Bromsgrove from the Passenger Change Date in December 2017.

2.14 Between 0800 and 0830, one additional service shall be provided between Four Oaks and Birmingham New Street, calling at all intermediate stations except Gravelly Hill, Aston and Duddeston. From Birmingham New Street, this service may be extended to Wolverhampton to provide a service in Route H.

2.15 One service departing from Lichfield Trent Valley between 1915 and 1944 may terminate at Birmingham New Street

2.16 Between 1945 and 2245, services shall be provided from Lichfield Trent Valley to Redditch at half-hourly intervals, calling at all intermediate stations.

2.17 Between 2045 and 2300, five additional services shall be provided from Birmingham New Street to Longbridge at half-hourly intervals, calling at all intermediate stations. From the Passenger Change Date in December 2017, these additional services shall be extended to Bromsgrove. Three of these services shall also call at Barnt Green.

2.18 One additional service shall be provided from Lichfield Trent Valley to Longbridge between 2245 and 2314, calling at all intermediate stations, although calls need not be made at Chester Road, Erdington, Gravelly Hill, Aston and Duddeston. From the Passenger Change Date in December 2017, this services shall be extended to Bromsgrove.

2.19 One additional service shall be provided from Lichfield Trent Valley to Birmingham New Street between 2315 and 2345, calling at all intermediate stations to Sutton Coldfield. Calls need not be made by this service at intermediate stations between Sutton Coldfield and Birmingham New Street.

3. Service Pattern –Saturdays

Core Service Specification between 0600 and 1959

- 3.1 Between 0600 and 1959, six services per hour shall be provided from Birmingham New Street to Longbridge at 10-minute intervals, calling at the stations specified in Paragraph 1.1, subject to:
- (a) Between 0700-1959, services shall originate from Four Oaks. One interval between services may be extended up to 20 minutes for departures from Four Oaks prior to 0759. One service departing from Four Oaks after 1900 may terminate at Birmingham New Street.
- 3.2 Between 0630 and 1859, services shall be provided from Longbridge to Four Oaks at 10-minute intervals, calling at the stations specified in Paragraph 1.1.
- 3.3 Between 0630 and 1959 **measured at Lichfield City**, two of the services per hour specified in Paragraphs 3.1 and 3.2 shall be extended from Four Oaks to terminate at or originate from Lichfield City, calling at the stations specified in Paragraph 1.1 and at Shenstone, Blake Street and Butlers Lane. These services shall run at half-hourly intervals and need not call at Shenstone, provided that stops at Shenstone are provided by services specified in Paragraph 3.4.
- 3.4 Between 0615 and 1944 **measured at Lichfield Trent Valley**, two of the services per hour specified in Paragraph 3.1 and 3.2 shall be extended from Four Oaks to terminate at or originate from Lichfield Trent Valley, calling at the stations specified in Paragraph 1.1 and at Lichfield City, Blake Street and Butlers Lane. These services shall run at half-hourly intervals and need not call at Shenstone, provided that stops at Shenstone are provided by services specified in Paragraph 3.3.
- 3.5 Duddeston may be served either by services specified in Paragraph 3.3 or 3.4, provided that a half-hourly service is maintained at this station between Lichfield City and Birmingham New Street. The operator shall employ reasonable endeavours to ensure that Duddeston is served at 15-minute intervals through a combination of Route L services and by Route J2 services between Birmingham New Street and Walsall.
- 3.6 Between 0620-1959 **measured at Longbridge**, three of the services per hour specified in Paragraph 3.1 and 3.2 shall be extended from Longbridge to terminate at or originate from Redditch, calling at Barnt Green and Alvechurch, at approximately 20-minute intervals.
- 3.7 From the Passenger Change Date in December 2017, three of the services per hour specified in Paragraphs 3.1 and 3.2 shall be extended from Longbridge to terminate at or originate from Bromsgrove at approximately 20-minute intervals. One of these services per hour shall call at Barnt Green.

Additional Services and Variations

Northbound Services

- 3.8 Between 0545 and 0630, two additional services shall be provided from Birmingham New Street and Lichfield City at half-hourly intervals, calling at all intermediate stations.
- 3.9 Between 0610 and 0629, two additional services shall be provided from Longbridge to Birmingham New Street, calling at the stations in Paragraph 1.1. The first of these services shall be extended to Lichfield Trent Valley, calling at the stations specified in Paragraph 1.1 and additionally at Butlers Lane, Blake Street and Lichfield City, but need not call at Duddeston, Aston, Gravelly Hill or Shenstone.
- 3.10 Between 1900 up to and including the Late Service from Longbridge, nine additional services shall be provided from Longbridge (Bromsgrove from the Passenger Change Date in December 2017) to Birmingham New Street, calling at all intermediate stations from Longbridge. From the Passenger Change Date in December 2017, four of these services shall also call at Barnt Green. These shall be timed with services specified in Paragraph 3.9 to provide six services per hour between Longbridge and Birmingham New Street at 10-minute intervals between 1900 and 1959 and four services per hour at 15-minute intervals between 2000 up to and including the Late Service from Longbridge:
- (a) The Late Service from Longbridge shall be extended to Blake Street, calling at all intermediate stations.
- 3.11 Between 1945 up to and including and the Late Service from Redditch, services shall be provided from Redditch to Lichfield Trent Valley at half-hourly intervals, calling at all intermediate stations. These shall be timed with services from Longbridge as specified in Paragraph 3.9.
- 3.12 After the Late Services from Longbridge and Redditch to Birmingham New Street and up to 2315, three additional services shall be provided between Longbridge and Birmingham New Street. Two of these services shall have originated from Redditch and one shall be extended to Lichfield City, calling at all stations. From the Passenger Change Date in December 2017, one of these services shall originate from Bromsgrove and shall call at Barnt Green.
- (a) The maximum interval between these services between Longbridge and Birmingham New Street shall not exceed 25 minutes.
- 3.13 One additional service shall be provided after 2320 from Longbridge to Birmingham New Street, calling at all intermediate stations.

Southbound Services

- 3.14 Between 0545 and 0615, one additional service shall be provided from Blake Street to Birmingham New Street, calling at all intermediate stations. This service shall be combined with one of the services from Birmingham New Street to Longbridge specified in Paragraph 3.1.
- 3.15 The first and second services departing between 0630 and 0729 from Lichfield City to Birmingham New Street need not call at Shenstone, Blake Street and Butlers Lane.
- 3.16 Between 0530 and 0600, one additional service shall be provided from Birmingham New Street to Longbridge, calling at all intermediate stations.
- 3.17 Between 1945 and 2244, services shall be provided from Lichfield Trent Valley to Redditch at half-hourly intervals, calling at all intermediate stations.
- 3.18 Between 2045 and 2300, five additional services shall be provided from Birmingham New Street to Longbridge at half-hourly intervals, calling at all intermediate stations. From the Passenger Change Date in December 2017, three of these services shall be extended to Bromsgrove, and one of these shall call at Barnt Green
- 3.19 One additional service shall be provided from Lichfield Trent Valley to Longbridge between 2245 and 2314, calling at all intermediate stations, although calls need not be made at Chester Road, Erdington, Gravelly Hill, Aston and Duddeston.
- 3.20 One additional service shall be provided from Lichfield Trent Valley to Birmingham New Street between 2315 and 2345, calling at all intermediate stations to Sutton Coldfield. Calls need not be made by this service at intermediate stations between Sutton Coldfield and Birmingham New Street.

4. Service Pattern – Sundays

Core Service Specification

- 4.1 Between 0915 and 2230, services shall be provided at half-hourly intervals from Redditch to Lichfield Trent Valley, calling at all intermediate stations.
- 4.2 Between 0900 and 2245, services shall be provided at half-hourly intervals from Lichfield Trent Valley to Redditch, calling at all intermediate stations.
- 4.3 From the Passenger Change Date in December 2017, between 0945 and 2215, services shall be provided from Bromsgrove to Birmingham New Street at half-hourly intervals, calling at all intermediate stations except Barnt Green. One service per hour shall call at Barnt Green.

- 4.4 From the Passenger Change Date in December 2017, between 0915 and 2245, services shall be provided at half-hourly intervals from Birmingham New Street to Bromsgrove at half-hourly intervals, calling at all intermediate stations except Barnt Green. One service per hour shall call at Barnt Green.

Additional Services and Variations

- 4.5 One additional service shall be provided from Birmingham New Street to Redditch 30 minutes before the Early Service, calling at all intermediate stations.
- 4.6 The Early Service to Redditch may originate from Four Oaks.
- 4.7 One additional service shall be provided from Lichfield Trent Valley to Birmingham New Street 30 minutes after the Late Service. This service need not call at intermediate stations between Chester Road and Duddeston inclusive.
- 4.8 Between 0900 and 0930, one additional service shall be provided from Birmingham New Street to Lichfield Trent Valley. This service need not call at intermediate stations between Duddeston and Wylde Green inclusive.

5. Limited Stops

There is no requirement for Limited Stops on this Route.

6. Early and Late Services

A. From Birmingham New Street

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Lichfield City	0700	0700	1020
Birmingham New Street - Longbridge	0730	0730	N/A
Birmingham New Street - Four Oaks	0645	0645	N/A
Birmingham New Street - Redditch	0745	0745	1030

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Lichfield City	2230	2230	2300
Birmingham New Street - Longbridge	2310	2310	N/A
Birmingham New Street - Four Oaks	2230	2230	N/A
Birmingham New Street - Redditch	2310	2310	2310

B. To Birmingham New Street

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Lichfield City - Birmingham New Street -	0700	0700	1000
Longbridge - Birmingham New Street -	0730	0730	N/A
Four Oaks - Birmingham New Street -	0645	0645	N/A
Redditch - Birmingham New Street -	0745	0745	1015

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Lichfield City - Birmingham New Street -	2230	2230	2230
Longbridge - Birmingham New Street -	2220	2220	N/A
Four Oaks - Birmingham New Street -	2245	2245	N/A
Redditch - Birmingham New Street -	2145	2145	2220

7. Maximum Journey Times

A. From Birmingham New Street

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Lichfield City	38 minutes. Two services may take up to 39 minutes	38 minutes. Two services may take up to 39 minutes	38 minutes
Birmingham New Street - Longbridge	21 minutes	21 minutes	N/A
Birmingham New Street - Four Oaks	26 minutes	26 minutes	N/A
Birmingham New Street - Redditch	41 minutes	41 minutes	38 minutes

B. To Birmingham New Street

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Lichfield City - Birmingham New Street	38 minutes	38 minutes	38 minutes
Longbridge - Birmingham New Street	21 minutes	21 minutes	N/A
Four Oaks - Birmingham New Street	25 minutes. One service may take up to 26 minutes.	25 minutes	N/A
Redditch - Birmingham New Street	40 minutes	40 minutes	38 minutes

**Route M BIRMINGHAM NEW STREET– WORCESTER – GREAT
MALVERN/HEREFORD (via Bromsgrove)**

1. Route Definition

- 1.1 Services shall be provided between Birmingham New Street and Hereford, calling at University, Bromsgrove, Droitwich Spa, Worcester Foregate Street, Malvern Link, Great Malvern, Colwall and Ledbury.
- 1.2 Limited Stops shall be provided at Barnt Green and Worcester Shrub Hill.

2. Service Pattern – Mondays to Fridays

From Birmingham

- 2.1 Between and including the Early and Late Services, services shall be provided from Birmingham New Street to Hereford at hourly intervals, calling at the stations specified in Paragraph 1.1. One service departing from Birmingham New Street in each of the time periods 1030-1129 and 1330-1429 may terminate at Great Malvern and need not call at Colwall, Ledbury and Hereford. One service departing Birmingham New Street between 1730-1800 need not call at Bromsgrove, provided that an equivalent call is made by a service specified in Paragraph 2.3.
- 2.2 One additional service shall be provided in each of the following time periods, as follows:
 - (a) Between 0545-0615, from Worcester Shrub Hill to Hereford, calling at Worcester Shrub Hill and the stations specified in Paragraph 1.1
 - (b) Between 0700 and 0730, from Birmingham New Street to Great Malvern, calling at the stations specified in Paragraph 1.1. This service shall also call additionally at Barnt Green and Worcester Shrub Hill.
- 2.3 One additional service shall be provided from Birmingham New Street to Worcester Shrub Hill in each of the time periods 1600-1630, 1730-1800 and 1800-1830, calling at University, Bromsgrove and Droitwich Spa. The first two of these services shall extended to Great Malvern, calling at Worcester Foregate Street and Malvern Link. The minimum interval between the second and third of these services shall be 20 minutes.
- 2.4 One additional service shall be provided from Birmingham New Street to Hereford between 1700 and 1730, calling at the stations specified in Paragraph 1.1.
- 2.5 After the Late Service, two additional services shall be provided from Birmingham New Street to Hereford at an interval of one hour 30 minutes, calling at the stations specified in Paragraph 1.1. The first service shall depart Birmingham New Street no earlier than 1915; the second service

shall depart Birmingham New Street no earlier than 2045.

- 2.6 Between 2145 and 2315, two additional services shall be provided at hourly intervals from Birmingham New Street to Worcester Shrub Hill, calling at University, Bromsgrove and Droitwich Spa. On Fridays, the second of these services shall be extended to Gloucester, calling at Ashchurch and Cheltenham Spa.

Towards Birmingham

- 2.7 Between 0530 and 0730, four additional services shall be provided to Birmingham New Street, calling at the stations specified in Paragraph 1.1. Two of these services shall depart Great Malvern at hourly intervals between 0530 and 0659, one shall depart Worcester Shrub Hill between 0615 and 0645 and one shall depart Great Malvern between 0700 and 0730. One of these services shall call additionally at Worcester Shrub Hill. One service need not call at Bromsgrove; another service need not call at University.
- 2.8 Between 0700 and 0730, one additional service shall be provided from Hereford to Birmingham New Street, no earlier than 30 minutes before the Early Service, calling at the stations specified in Paragraph 1.1 and additionally at Worcester Shrub Hill. This service need not call at Bromsgrove.
- 2.9 Between 0815 and 0845, one additional service shall be provided from Great Malvern to Birmingham New Street, calling at the stations specified in Paragraph 1.1. This service need not call at Bromsgrove and University
- 2.10 Between and including the Early and Late Services, services shall be provided from Hereford to Birmingham New Street at hourly intervals, calling at the stations specified in Paragraph 1.1. One service departing from Hereford in each of the time periods 1130-1230 and 1430-1530 may start from Great Malvern and need not call at Ledbury and Colwall.
- 2.11 Intervals between services from Hereford to Birmingham New Street may be extended as follows:
- (a) The interval between the Early Service and the second service may be extended up to one hour 20 minutes.
 - (b) The interval between services departing Hereford in each of the time periods 1530-1600 and 1630-1700 may be extended up to one hour 15 minutes.
 - (c) The interval between services departing Hereford in each of the time periods 1730-1800 and 1830-1900 may be extended up to one hour 15 minutes.

- 2.12 Three additional services shall be provided, calling at the stations specified in Paragraph 1.1, as follows:
- (a) between 1730-1759, from Great Malvern to Worcester Shrub Hill.
 - (b) between 2045-2114, from Hereford to Worcester Shrub Hill.
 - (c) between 2115-2145 from Hereford to Birmingham New Street, calling at the stations specified in Paragraph 1.1. This service need not call at Worcester Shrub Hill.
- 2.13 One additional service shall be provided from Hereford to Worcester Shrub Hill between 2230 and 2300, calling at Ledbury, Colwall, Great Malvern, Malvern Link and Worcester Foregate Street.

3. Service Pattern – Saturdays

From Birmingham

- 3.1 Between and including the Early and Late Services, services shall be provided from Birmingham New Street to Hereford at hourly intervals, calling at the stations specified in Paragraph 1.1.
- 3.2 Additional services shall be provided, as follows:
- (a) Between 0615-0644, one service from Worcester Shrub Hill to Hereford, calling at the stations specified in Paragraph 1.1.
 - (b) Between 0630 and 0659, an additional service shall be provided from Worcester Shrub Hill to Great Malvern, calling at Worcester Foregate Street and Malvern Link.
 - (c) Between 1600-1629, one service from Birmingham New Street to Bromsgrove. This service need not call at University.
 - (d) Between 1700-1729, one service from Birmingham New Street to Worcester Shrub Hill, calling at Bromsgrove and Droitwich Spa.
 - (e) At an interval of one hour after the Late Service, one additional service shall be provided from Birmingham New Street to Great Malvern, calling at the stations specified in Paragraph 1.1.
 - (f) Between 1915 and 2130, two additional services shall be provided from Birmingham New Street to Hereford at an interval of one hour 30 minutes, calling at the stations specified in Paragraph 1.1. The second service shall depart Birmingham New Street no earlier than 2045.

Towards Birmingham

- 3.3 Additional services shall be provided as follows:
- (a) Between 0545-0630, one service from Worcester Shrub Hill to Birmingham New Street. This service need not call at Droitwich Spa, Bromsgrove or University.
 - (b) Between 0600-0630, one additional service from Great Malvern to Birmingham New Street, calling at stations specified in Paragraph 1.1.
- 3.4 Between 0700 and 0730, one additional service shall be provided from Great Malvern to Birmingham New Street, calling at the stations specified

in Paragraph 1.1 and additionally at Worcester Shrub Hill. This service shall be timed to provide a connection within 15 minutes at Droitwich Spa into a Route D Worcester Foregate Street – Birmingham Snow Hill service.

- 3.5 One additional service shall be provided from Worcester Shrub Hill to Birmingham New Street in each of the timebands 0945-1015 and 1545-1615, calling at Droitwich Spa and Bromsgrove. These services need not call at University.
- 3.6 Between and including the Early and Late Services, services shall be provided from Hereford to Birmingham New Street at hourly intervals, calling at the stations specified in Paragraph 1.1. The interval between the Early Service and the second service may be extended up to one hour 20 minutes.
- 3.7 One additional service shall be provided from Hereford to Birmingham New Street between 1930 and 2015, calling at the stations specified in Paragraph 1.1 This service shall depart from Hereford no earlier than two hours after the Late Service.
- 3.8 Three additional services shall be provided from Hereford to Worcester Shrub Hill between 1830 and 2300, calling at the stations specified in Paragraph 1.1. The maximum interval between each of these services shall not exceed two hours 45 minutes. One service may be extended to Birmingham New Street and need not call at Worcester Shrub Hill.

4. Service Pattern – Sundays

From Birmingham

- 4.1 Between 0845-0915, one additional service shall be provided from Worcester Shrub Hill to Hereford, calling at the stations specified in Paragraph 1.1.
- 4.2 Including the Early and Late Services, five services shall be provided from Birmingham New Street to Hereford at two-hourly intervals, calling at the stations specified in Paragraph 1.1 and additionally at Worcester Shrub Hill.
- 4.3 One additional service shall be provided in each of the timebands 1845-1915, 1945-2015 and 2145-2215 to Worcester Foregate Street, calling at Bromsgrove, Droitwich Spa and Worcester Shrub Hill. The last of these services shall be extended to Great Malvern, calling additionally at Malvern Link.
- 4.4 Between 2045-2115, one additional service shall be provided from Birmingham New Street to Hereford, calling at the stations specified in Paragraph 1.1 and additionally at Worcester Shrub Hill.
- 4.5 Between and including the Late Service and 2215, services specified in

Paragraphs 4.3 and 4.4 shall be scheduled so that an hourly service from Birmingham New Street to Worcester Foregate Street is maintained .

Towards Birmingham

- 4.6 Between 0845-0915, one additional service shall be provided from Worcester Foregate Street to Birmingham New Street, calling at Worcester Shrub Hill, Droitwich Spa, Bromsgrove and University.
- 4.7 Including the Early and Late Services, six services shall be provided from Hereford to Birmingham New Street at two-hourly intervals, calling at the stations specified in Paragraph 1.1 and additionally at Worcester Shrub Hill.
- 4.8 One additional service shall be provided from Worcester Shrub Hill in each of the time periods 1745-1815 and 1945-2015 to Birmingham New Street. The second of these services shall also call at Worcester Foregate Street.
- 4.9 One additional service shall be provided between 2230 and 2315 to Worcester Shrub Hill, calling at all intermediate stations.

5. 5. Limited Stops

5.1 Barnt Green – Mondays to Fridays

Barnt Green shall be served by:

- (a) the service specified in Paragraph 2.2.
- (b) two services departing from Hereford between 1530 and 1800, at two-hourly intervals.
- (c) there is no requirement for Limited Stops to be made at Barnt Green on Saturdays and Sundays.

5.2 Worcester Shrub Hill

Worcester Shrub Hill shall be served by:

- (a) On Mondays to Fridays, by the services specified in Paragraphs 2.2, 2.3, 2.4, 2.6, 2.7 and 2.8.
- (b) On Saturdays, by the services specified in Paragraphs 3.4 and 3.5.
- (c) On Sundays, by all services.

6. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Hereford	0845	0845	1145
Hereford – Birmingham New Street	0915	0915	1145

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Hereford	1745	1745	1745
Hereford – Birmingham New Street	1945	1735	2000

7. Maximum Journey Times

<i>Route</i>	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street – Worcester (<i>Foregate Street or Shrub Hill</i>)	42 minutes. Three services may take up to 46 minutes.	41 minutes. One service may take 45 minutes.	44 minutes
Worcester (<i>Foregate Street or Shrub Hill</i>) – Birmingham New Street	50 minutes	50 minutes	49 minutes. One service may take up to 55 minutes.
Birmingham New Street - Hereford	1 hour 34 minutes. One service may take up to 1 hour 42 minutes.	1 hour 31 minutes. Two services may take 1 hour 36 minutes. One service may take 1 hour 43 minutes.	1 hour 36 minutes
Hereford – Birmingham New Street	1 hour 35 minutes.	1 hour 31 minutes.	1 hour 33 minutes . One service may take up to 1 hour 37 minutes.

Route M2 WORCESTER – GLOUCESTER

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Route N COVENTRY – LEAMINGTON SPA

1. Route Definition

1.1 From December 2017, services shall be provided between Coventry and Leamington Spa, calling at Kenilworth.

2. Service Pattern

2.1 Between and including the Early and Late Services, services shall be provided from Coventry to Leamington Spa at hourly intervals, calling at the stations specified in Paragraph 1.1.

2.2 Between and including the Early and Late Services, services shall be provided from Leamington Spa to Coventry at hourly intervals, calling at the stations specified in Paragraph 1.1.

3. Service Pattern - Sundays

3.1 Between and including the Early and Late Services, services shall be provided from Coventry to Leamington Spa at hourly intervals, calling at the stations specified in Paragraph 1.1.

3.2 Between and including the Early and Late Services, services shall be provided from Leamington Spa to Coventry at hourly intervals, calling at the stations specified in Paragraph 1.1.

4. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Coventry – Leamington Spa	0715	0715	1215
Leamington Spa – Coventry	0645	0645	1145

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Coventry – Leamington Spa	2240	2140	2140
Leamington Spa – Coventry	2100	2100	2100

4. Maximum Journey Times

<i>Route</i>	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Coventry – Leamington Spa	20 minutes	20 minutes	20 minutes
Leamington Spa – Coventry	20 minutes	20 minutes	20 minutes

Route O BIRMINGHAM NEW STREET - WOLVERHAMPTON – WELLINGTON - SHREWSBURY

1. Route Definition

- 1.1 Services shall be provided between Birmingham New Street and Shrewsbury, calling at Sandwell & Dudley, Wolverhampton, Bilbrook, Codsall, Albrighton, Cosford, Shifnal, Telford Central, Oakengates and Wellington.

2. Service Pattern – Mondays to Fridays and Saturdays

- 2.1 On Mondays to Fridays between 0600 and 0800, three additional services shall be provided from Wolverhampton to Shrewsbury. Two of these services shall be provided at half-hourly intervals between 0600 and 0700, calling at all intermediate stations. The third service shall depart Wolverhampton between 0730 and 0800 and need not call at Bilbrook, Codsall, Albrighton and Cosford.
- 2.2 On Saturdays, one additional service shall be provided from Wolverhampton to Shrewsbury between 0700 and 0730, calling at all intermediate stations.
- 2.3 Between and including the Early and Late Services, services shall be provided from Birmingham New Street to Shrewsbury at hourly intervals, calling at the stations specified in Paragraph 1.1. Where reasonable, these shall be timed with services provided by another operator from Birmingham New Street to Aberystwyth or Chester, to promote a half-hourly service calling at Wolverhampton, Telford Central and Wellington. For the purposes of this Paragraph, “half-hourly services” may be provided at intervals of approximately 45 minutes. On Monday to Friday one interval of one hour shall be permitted after 2045. On Mondays to Fridays, the Late Service from Birmingham New Street shall not be subject to Maximum Journey Time if additionally used to provide a service specified in Route H.
- 2.4 On Mondays to Fridays between 1715 and 1800, one additional service shall be provided from Birmingham New Street to Shrewsbury. This service need not call at Sandwell & Dudley. This service need not call at Bilbrook, Codsall, Albrighton and Oakengates, so long as there are at least two calls, (one at Oakengates) (including services provided by other operators), at each of these stations in services departing from Birmingham New Street between 1700 and 1800.
- 2.5 On Mondays to Fridays between 0515 and 0615, two additional services shall be provided from Shrewsbury to Wolverhampton, calling at all intermediate stations. These services shall not be subject to Maximum Journey Time if additionally used to provide services specified in Route H.
- 2.6 On Mondays to Fridays before the Early Service, two additional services

shall be provided between 0630 and 0800 from Shrewsbury to Birmingham New Street:

- (a) The interval between these services shall be not be more than 40 minutes.
- (b) One of these services need not call at Oakengates, Shifnal, Cosford, Albrighton, Codsall and Bilbrook.
- (c) The second of these services need not call at Sandwell & Dudley.

2.7 Between and including the Early and Late Services, services shall be provided from Shrewsbury to Birmingham New Street at hourly intervals, calling at the stations specified in Paragraph 1.1. Where reasonable, these shall be timed with services provided by another operator from Aberystwyth or Chester to Birmingham New Street, to promote a half-hourly service calling at Wellington, Telford Central and Wolverhampton. For the purposes of this Paragraph, “half-hourly services” may be provided at intervals of approximately 45 minutes.

2.8 After the Late Service, one additional service shall be provided in each of the time periods 2015-2100 and 2145-2215 from Shrewsbury to Birmingham New Street. The second service may terminate at Wolverhampton.

3. Service Pattern - Sundays

3.1 No service is required to be provided on Sundays. [Another operator provides the service between Birmingham New Street and Shrewsbury on Sundays].

4. Limited Stops

There is no requirement for Limited Stops to be made on Route O.

5. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Shrewsbury	0915	0915	N/A
Shrewsbury - Birmingham New Street	0900	0800	N/A

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Shrewsbury	2150	2150	N/A
Shrewsbury - Birmingham New Street	1830	1830	N/A

6. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Shrewsbury	1 hour 12 minutes	1 hour 12 minutes	N/A
Shrewsbury - Birmingham New Street	1 hour 13 minutes	1 hour 13 minutes	N/A

Route P BIRMINGHAM NEW STREET - CREWE – LIVERPOOL LIME STREET

1. Route Definition

- 1.1 Services shall be provided between Birmingham New Street and Liverpool Lime Street, calling at, Wolverhampton, Stafford, Crewe, Runcorn and Liverpool South Parkway.
- 1.2 Limited Stops shall be provided at Smethwick Galton Bridge, Coseley, Penkridge, Winsford, Hartford and Acton Bridge.
- 1.3 Services in Route P can be combined at Birmingham New Street with services in Route I (Northampton - Birmingham New Street), to facilitate cross-Birmingham inter-urban journey opportunities, provided that the TSR1 service requirements specified below for Route P are met.

2. Service Pattern – Mondays to Fridays

Northbound

- 2.1 One additional service shall be provided from Crewe to Liverpool Lime Street in each of the timebands 0530-0559, 0600-0629 and 0630-0659, calling at the stations in Paragraph 1.1, except:
 - (a) The first of these services need not call at Winsford, Hartford and Acton Bridge.
 - (b) These services shall operate at a minimum interval of 20 minutes between services.
- 2.2 Between and including the Early Service and 1845, services shall be provided at half-hourly intervals from Birmingham New Street to Liverpool Lime Street, calling at the stations specified in Paragraph 1.1. **The interval between services may be extended to 40 minutes, provided that two trains per hour are operated.**
- 2.3 Between 1845 up to and including the Late Service, three additional services shall be provided at hourly intervals from Birmingham New Street to Liverpool, calling at the stations specified in Paragraph 1.1.
- 2.4 One additional service shall be provided from Birmingham New Street to Crewe between 1845 and 1915, calling at Smethwick Galton Bridge, Wolverhampton, Penkridge and Stafford.
- 2.5 One additional service shall be provided from Birmingham New Street to Crewe between the Late Service and 2259, calling at the stations specified in Paragraph 1.1. This service shall additionally call at Coseley and Penkridge.
- 2.6 One additional service shall be provided from Birmingham New Street to

Crewe after 2300, calling at the stations specified in Paragraph 1.1. This service shall additionally call at Coseley and Penkrige and shall depart Birmingham New Street not earlier than 30 minutes after the additional service from Birmingham New Street to Crewe specified in Paragraph 2.5.

Southbound

- 2.7 Between 0600 and 0700, two additional services shall be provided from Crewe to Birmingham New Street, calling at Stafford, Penkrige, Wolverhampton and Coseley. The interval between these services shall be at least 25 minutes. The second of these services need not call at Coseley.
- 2.8 Between the Early Service and 1859, services shall be provided at half-hourly intervals from Liverpool Lime Street to Birmingham New Street, calling at the stations specified in Paragraph 1.1.
- 2.9 Between the Late Service and 2200, three additional services shall be provided at hourly intervals from Liverpool Lime Street to Birmingham New Street, calling at the stations specified in Paragraph 1.1 and at Hartford, Winsford, Penkrige and Coseley. The last of these services shall not be subject to Maximum Journey Time, if this provides the Late Service from Wolverhampton to Birmingham New Street on Route H.
- 2.10 Between 1900 and 2015 two additional services shall be provided at hourly intervals from Liverpool Lime Street to Birmingham New Street, calling at the stations in Paragraph 1.1 and at Smethwick Galton Bridge. These services need not call at Hartford or Winsford, but shall call alternately at Acton Bridge and Penkrige. These services shall be timed with services specified in Paragraph 2.9 to provide a half-hourly service between Liverpool Lime Street and Crewe between 1900 and 2045.
- 2.11 Between 2230 and 2345, two additional services shall be provided at hourly intervals from Liverpool Lime Street to Crewe, calling at Liverpool South Parkway, Runcorn, Acton Bridge, Hartford and Winsford. The first of these services shall be timed to operate one hour after the Late Service from Liverpool Lime Street to Birmingham New Street, and need not call at Acton Bridge.

3. Service Pattern – Saturdays

Northbound

- 3.1 One additional service shall be provided in each of the timebands 0530-0559, 0600-0629 and 0630-0659 from Crewe to Liverpool Lime Street, calling at the stations in Paragraph 1.1, except:
 - (a) The first two of these services need not call at Winsford, Hartford and Acton Bridge.
 - (b) These services shall operate at a minimum interval of 20 minutes between services.

- 3.2 Between and including the Early Service and 1859, services shall be provided at half-hourly intervals from Birmingham New Street to Liverpool Lime Street, calling at the stations specified in Paragraph 1.1. **The interval between services may be extended to 40 minutes, provided that two trains per hour are operated.** The last of these trains may terminate at Crewe.
- 3.3 Between 1900 up to and including the Late Service, two additional services shall be provided at an hourly interval from Birmingham New Street to Liverpool, calling at the stations specified in Paragraph 1.1 and additionally at Penkridge, Winsford and Hartford. One of these services may call at Acton Bridge.
- 3.4 Between 2030 and 2245, three additional services shall be provided from Birmingham New Street to Liverpool Lime Street, calling at the stations specified in Paragraph 1.1 and additionally at Coseley and Penkridge. **These services may terminate at Crewe.** The first and second of these services may call additionally at Smethwick Galton Bridge. The last of these services shall call additionally at Smethwick Galton Bridge.

Southbound

- 3.5 Between 0600 and 0700, two additional services shall be provided from Crewe to Birmingham New Street, calling at Stafford, Penkridge, Wolverhampton and Coseley. The interval between these services shall be at least 25 minutes. The second of these services need not call at Coseley.
- 3.6 Between the Early Service and 1859, services shall be provided at half-hourly intervals from Liverpool Lime Street to Birmingham New Street, calling at the stations specified in Paragraph 1.1.
- 3.7 Between the Late Service and 1929, one additional service shall be provided from Liverpool Lime Street to Birmingham New Street, calling at the stations specified in Paragraph 1.1. This service shall call additionally at Acton Bridge and depart from Liverpool Lime Street not earlier than 30 minutes after the Late Service.
- 3.8 Between 1930 and 2159, three additional services shall be provided at hourly intervals from Liverpool Lime Street to Birmingham New Street, calling at the stations in Paragraph 1.1 and at Hartford, Winsford, Penkridge and Coseley. These services need not call at Acton Bridge, but may call additionally at Smethwick Galton Bridge.
- 3.9 After 2200, one additional service shall be provided from Liverpool Lime Street to Crewe, calling at Liverpool South Parkway, Runcorn, Hartford and Winsford. This service shall be timed to operate not earlier than 30 minutes after the last of the services specified in Paragraph 3.8.

4. Service Pattern – Sundays

- 4.1 Between and including the Early and Late Services, services shall be provided at hourly intervals between Birmingham New Street and Liverpool Lime Street, calling at the stations specified in Paragraph 1.1.
- 4.2 Between 2115-2215, one additional service shall be provided from Birmingham New Street to Crewe, calling at the stations specified in Paragraph 1.1 and additionally at Smethwick Galton Bridge and Penkridge.
- 4.3 Between 0945-1045, one additional service shall be provided from Crewe to Birmingham New Street, calling at the stations specified in Paragraph 1.1 and additionally at Penkridge and Smethwick Galton Bridge.

5. Limited Stops

5.1 Smethwick Galton Bridge, Coseley and Penkridge

Smethwick Galton Bridge or Coseley, and Penkridge shall be served as follows:

- (a) on Mondays to Fridays by one service per hour between Birmingham New Street and Liverpool Lime Street, between and including the Early and Late Services. All departures from Birmingham New Street between 1600 and 1800 and all departures from Liverpool Lime Street and any intermediate station timed to arrive in Birmingham New Street before 1000 shall also call at Smethwick Galton Bridge or Coseley, and Penkridge.
- (b) On Mondays to Fridays by the services from Liverpool Lime Street to Birmingham New Street, as specified in Paragraphs 2.9 and 2.10.
- (c) on Saturdays by one service per hour between Birmingham New Street and Liverpool Lime Street, between and including the Early and Late Services.
- (d) On Saturdays by the services from Birmingham New Street to Liverpool Lime Street specified in Paragraph 3.4.
- (e) On Saturdays by the services from Liverpool Lime Street to Birmingham New Street specified in Paragraph 3.8.
- (f) on Sundays, Penkridge and Smethwick Galton Bridge shall be served by one service per hour between Birmingham New Street and Liverpool Lime Street, between and including the Early and Late Services. There is no requirement for Coseley to be served by services in Route P on Sundays.

5.2 Winsford and Hartford

Winsford and Hartford shall be served as follows:

- (a) on Mondays to Fridays by one service per hour between Birmingham New Street and Liverpool Lime Street, between and including the Early and Late Services.
- (b) on Mondays to Fridays by four services timed to arrive in Liverpool Lime Street between 0700 and 0900.
- (c) on Mondays to Fridays by two services departing Liverpool Lime Street between 1700 and 1845.
- (d) on Saturdays by one service per hour between Birmingham New Street and Liverpool Lime Street, between and including the Early and Late Services.
- (e) On Saturdays by the hourly services from Liverpool Lime Street to Birmingham New Street specified in Paragraph 3.8.
- (f) on Sundays by one service per hour between Birmingham New Street and Liverpool Lime Street, between and including the Early and Late Services.

5.3 Acton Bridge

Acton Bridge shall be served as follows:

- (a) on Mondays to Fridays by five services timed to arrive at Liverpool Lime Street between 0630 and 0900.
- (b) on Mondays to Fridays by two services timed to arrive at Liverpool Lime Street between 1015 and 1315, at two-hourly intervals.
- (c) on Mondays to Fridays by four services timed to arrive at Liverpool Lime Street between 1630 and 1930.
- (d) on Mondays to Fridays by the Late service from Birmingham New Street.
- (e) on Mondays to Fridays by four services departing Liverpool Lime Street between 0615 and 0845.
- (f) on Mondays to Fridays by one service departing Liverpool Lime Street between 1200 and 1300.
- (g) on Mondays to Fridays by three services departing Liverpool Lime Street between 1630 and 1930.
- (h) on Mondays to Fridays by two services departing Liverpool Lime Street after 2200.
- (i) on Saturdays by four services timed to arrive in Liverpool Lime Street between 0700 and 0900.
- (j) on Saturdays by two services timed to arrive in Liverpool Lime Street between 1015 and 1315, at two-hourly intervals.
- (k) on Saturdays by two services timed to arrive in Liverpool Lime Street between 1630 and 1830.
- (l) on Saturdays by two services timed to arrive in Liverpool Lime Street between 1830 and 2100.
- (m) on Saturdays by three services departing Liverpool Lime Street between 0700 and 0845.
- (n) on Saturdays by one service departing Liverpool Lime Street between 1200 and 1300.
- (o) on Saturdays by three services departing Liverpool Lime Street between 1630 and 1930.
- (p) There is no requirement for Limited Stops at Acton Bridge on Sundays.

6. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street – Liverpool Lime Street	0745	0745	1130
Liverpool Lime Street – Birmingham New Street	0830	0830	1330

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street – Liverpool Lime Street	2130	1930	1930
Liverpool Lime Street – Birmingham New Street	1830	1830	2130

7. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Birmingham New Street - Liverpool Lime Street	1 hour 35 minutes. Services calling at the stations in Section 5 may take up to 1 hour 45 minutes	1 hour 35 minutes. Services calling at the stations in Section 5 may take up to 1 hour 45 minutes. One further service may take up to 1 hour 49 minutes.	1 hour 41 minutes
Liverpool Lime Street – Birmingham New Street	1 hour 44 minutes Services calling at the stations in Section 5 may take up to 1 hour 47 minutes	1 hour 44 minutes Services calling at the stations in Section 5 may take up to 1 hour 47 minutes	1 hour 43 minutes

Route Q LONDON EUSTON – NORTHAMPTON

1. Route Definition

- 1.1 Fast services shall be provided between London Euston and Northampton, calling at:
 - 1.1(a) Leighton Buzzard, Bletchley, Milton Keynes Central and Wolverton
 or :
 - 1.1(b) Watford Junction and Milton Keynes Central.
- 1.2 Semi-fast services shall be provided between London Euston and Northampton, calling at Watford Junction, Hemel Hempstead, Berkhamsted, Leighton Buzzard, Bletchley, Milton Keynes Central and Wolverton.
- 1.3 Semi-fast services shall be provided between London Euston and Milton Keynes Central, calling at Watford Junction, Hemel Hempstead, Berkhamsted, Tring, Cheddington, Leighton Buzzard and Bletchley.
- 1.4 Stopping services shall be provided between London Euston and Tring, calling at Harrow & Wealdstone, Bushey, Watford Junction, Kings Langley, Apsley, Hemel Hempstead and Berkhamsted.
- 1.5 **(Sundays only, to 1200; also certain early morning and late evening services)** Services shall be provided between London Euston and Northampton, calling at Harrow & Wealdstone, Bushey, Watford Junction, Kings Langley, Apsley, Hemel Hempstead, Berkhamsted, Tring, Cheddington, Leighton Buzzard, Bletchley, Milton Keynes Central and Wolverton.
- 1.6 Fast services specified in Paragraph 1.1 shall be scheduled with services in Route G ([London Euston] – Northampton – Rugby - Crewe) to provide a half-hourly service between London Euston to Northampton on Mondays to Fridays and Saturdays, calling at Milton Keynes Central, as specified below.

2. Service Pattern – Summary

The service pattern applicable to the Route Definitions (Paragraphs 1.1-1.5 inclusive) is defined in Paragraphs 3 to 8 and the total number of services provided to individual destinations shall be as follows:

A. Services from London Euston

Route	Monday-Friday		Monday to Friday Peaks	Saturdays	Sundays
	Until 1559	From 1900			
London Euston - Tring <i>(Paragraph 1.4)</i>	20	5	6	25	10
London Euston - Bletchley	0	0	1	0	0
London Euston - Milton Keynes Central <i>(Paragraph 1.3)</i>	9	6	5	16	10
London Euston - Northampton <i>(Paragraphs 1.1, 1.2, 1.5)</i>	30	13	9	43	35 <i>(includes route G services)</i>

B. Services towards London Euston

Route:	Monday-Friday		Monday to Friday Peaks	Saturdays	Sundays
	Until 0659	From 1000			
Tring - London Euston <i>(Paragraph 1.4)</i>	0	21	6	28	10
Bletchley - London Euston	0	0	2	0	0
Milton Keynes Central to London Euston <i>(Paragraph 1.3)</i>	2	13	5	12	10
Northampton to London Euston <i>(Paragraphs 1.1, 1.2, 1.5)</i>	4	37	9	42	31 <i>(includes route G services)</i>

3. Mondays to Fridays - London Euston to Tring

(Stopping Services, in Paragraph 1.4)

- 3.1 Between and including the Early and Late Services, a half-hourly service shall be provided between London Euston and Tring, calling at all stations to Berkhamsted specified in Paragraph 1.4.
- 3.2 Between 2100 and the Late Service to Milton Keynes Central in each direction an hourly service shall be provided. These services shall be extended to or have originated from Milton Keynes Central.
- 3.3 Peak departures from London Euston and Peak arrivals at London Euston may omit to call at intermediate stations between Harrow and Wealdstone and Berkhamsted inclusive provided that a half-hourly service is provided between London Euston and each such intermediate station.
- 3.4 Departures from London Euston before 0800, arrivals at London Euston before 0700 and the Late Service from London Euston may omit to call at Bushey.
- 3.5 The Early Service to London Euston and the Late Service from London Euston may omit to call at Apsley and Kings Langley.
- 3.6 Between 1730 and 1800, an additional service shall be provided from London Euston to **Watford Junction**, calling at Harrow & Wealdstone and Bushey
- 3.7 Between 0615 and 0645, an additional service shall be provided from **Bletchley** to London Euston, calling at Leighton Buzzard and all stations between Tring and London Euston specified in Paragraph 1.4. This service need not call at Cheddington
- 3.8 Between 0745 and 0830, two additional services shall be provided from **Watford Junction** to London Euston, calling at Bushey and Harrow & Wealdstone. These shall operate at an interval of at least 15 minutes between services

4. Mondays to Fridays - London Euston to Milton Keynes Central and Northampton (*Semi-fast Services, in Paragraphs 1.2, 1.3*)

Early Morning Service Variations

- 4.1 Before the Early Service from Milton Keynes Central to London Euston, one additional service shall be provided from Milton Keynes Central to London Euston between 0315 and 0345, calling at the stations specified in Paragraph 1.3 and additionally at Harrow & Wealdstone and Wembley Central. This service need not call at Cheddington, Apsley and Kings Langley.

Core Service Specification

- 4.2 Between and including the Early and Late Services, a half-hourly service shall be provided between London Euston and Milton Keynes Central calling at Watford Junction, Hemel Hempstead, Berkhamsted, Leighton Buzzard and Bletchley.
- (a) The Early Service from Milton Keynes Central shall originate from Northampton and shall call additionally at Wolverton and Wembley Central.
- 4.3 Of the half-hourly service specified in Paragraph 4.2, one service per hour shall be extended to Northampton calling at Wolverton.
- 4.4 Of the half-hourly service specified in Paragraph 4.2, one service per hour shall call additionally at Tring and Cheddington. Such calls shall be made by the Early and Late Services. The Early Service to London Euston and the Late Service to Milton Keynes Central may omit to call at Cheddington.

Morning and Afternoon Peaks, and Evening Service Variations

Northbound

- 4.5 Departures from London Euston between 1600 and 2100, also Peak arrivals at London Euston between 0700 and 0959 need not call at intermediate stations between Watford Junction and Bletchley inclusive, provided that a half-hourly service is provided between London Euston and each such intermediate station.
- 4.6 Between 1800 and 1830, an additional service shall be provided from London Euston to Milton Keynes Central, calling at the stations specified in Paragraph 1.3. This service shall call additionally at Harrow & Wealdstone and Kings Langley, but need not call at Berkhamsted, Cheddington and Bletchley

- 4.7 The Late Service from London Euston to Milton Keynes Central shall call additionally at Wembley Central and Harrow & Wealdstone. The Late Service need not call at Cheddington.

Southbound

- 4.8 Between the Late Service from Milton Keynes Central and 2215 one additional service shall be provided from Milton Keynes Central to London Euston, calling at the stations in Paragraph 1.3 and Apsley, Kings Langley, Bushey and Harrow and Wealdstone.
- 4.9 Between 2215 up to and including the Late Service, services departing Northampton for London Euston shall call at the stations specified in Paragraph 1.5. The Late Service need not call at Kings Langley or Apsley.

5. Mondays to Fridays - London Euston to Northampton
(Fast Services, as defined in Paragraph 1.1(a) and 1.1(b))

- 5.1 Between 0700 and 2130 departure time from London Euston and between 0730 and 2145 arrival time at London Euston, an hourly service shall be provided between London Euston and Northampton, calling at the stations specified in Paragraph 1.1(a).
- 5.2 Between 0730-1600 departure time from London Euston, and between 0930-2100 arrival time at London Euston, an hourly service shall be provided between London Euston and Northampton, calling at the stations specified in Paragraph 1.1(b), providing (in conjunction with Paragraph 5.1) a half-hourly service between London Euston and Northampton, calling at Milton Keynes Central.
- 5.3 All services specified in Paragraph 5.2 shall be combined with services specified in either Route I or Route G to provide a through service between London Euston and Rugby, calling at Watford Junction, Milton Keynes and Northampton.
- 5.4 After 1600, all services specified in Paragraph 5.1 shall call at Wolverton.
- 5.5 Peak departures from London Euston may omit to call at Bletchley.

6. Saturdays - London Euston to Tring *(Stopping Services, in Paragraph 1.4)*

- 6.1 Between and including the Early and Late Services, a half-hourly service shall be provided between London Euston and Tring, calling at all stations to Berkhamsted specified in Paragraph 1.4.

- 6.2 Departures from London Euston before 0800, arrivals at London Euston before 0700 and the Late Service from London Euston may omit to call at Bushey.
- 6.3 One service departing London Euston after 1900 need not call at Hemel Hempstead.
- 6.4 The Late Service may be extended to Milton Keynes Central, calling at Leighton Buzzard and Bletchley, but need not call at Cheddington.

7. Saturdays - London Euston to Milton Keynes and Northampton
(Semi-fast Services, in Paragraph 1.2, 1.3)

Early Morning Service Variations

Northbound

- 7.1 Between 0515 and 0715, three additional services shall be provided from London Euston to Northampton, as follows:
 - (a) The first of these services shall depart London Euston between 0515 and 0544. This service shall call at the stations specified in Paragraph **1.5** and need not call at Bushey.
 - (b) The second of these services shall depart London Euston between 0615 and 0644, one hour after the service specified in Paragraph 7.1(a). This service shall be provided by a service specified in Route G and call at the stations specified in Paragraph 1.3 and Wolverton.
 - (c) Between 0645 and 0715, one additional service shall be provided from London Euston to Northampton, calling at the stations in Paragraph **1.5**.
 - (d) Between 0500-0559, one additional service shall be provided from Bletchley to Northampton, calling at Milton Keynes Central and Wolverton.

Southbound

- 7.2 Between 0315 and 0445, two additional services shall be provided from Milton Keynes Central to London Euston at hourly intervals, calling at the stations specified in Paragraph 1.3 and additionally at Harrow & Wealdstone and Wembley Central. These services need not call at Cheddington, Apsley and Kings Langley.
- 7.3 Between 0500 and 0530, one additional service shall be provided from Northampton to London Euston, calling at the stations specified in Paragraph 1.5. This service shall be timed to arrive at London Euston not earlier than one hour after the second service in Paragraph 7.2.

Core Service Specification

- 7.4 Between and including the Early and Late Services, a half-hourly service

shall be provided between London Euston and Milton Keynes Central, calling at the stations specified in Paragraph 1.2.

- 7.5 Of the half-hourly service specified in Paragraph 7.4, one service per hour shall be extended to Northampton calling at Wolverton.
- 7.6 Of the half-hourly service specified in Paragraph 7.4, one service per hour shall call additionally at Tring and Cheddington. Such calls shall be made by the Early and Late Services.

Mid and Late Evening Service Variations

Northbound

- 7.7 Between 1945 and 2259 departure time from London Euston, eight additional services shall be provided from London Euston to Milton Keynes Central, calling at Watford Junction. Services may skip-stop and omit calls at intermediate stations, provided that minimum requirements at each station are met as specified in the table below:

Station	Minimum number of calls at each station	Maximum interval between services at each station, measured on departure time from London Euston
Harrow & Wealdstone	2 services after 2030	
Bushey <i>(may be to set down only)</i>	2 services after 2030	
Kings Langley	3	75 minutes
Apsley	3	75 minutes
Hemel Hempstead	7	40 minutes
Berkhamsted	7	40 minutes
Tring	3	80 minutes
Cheddington	3	85 minutes
Leighton Buzzard	7	40 minutes
Bletchley	7	40 minutes
Wolverton	6	45 minutes
Northampton	6	45 minutes

- 7.8 Between 2300 and 0030, three additional services shall be provided from London Euston to Northampton at an interval between services of at least 30 minutes, calling at the stations specified in Paragraph 1.5, **except that:**
 - (a) These services need not call at Bushey.
 - (b) The last of these services may terminate at Milton Keynes Central, and may be provided by means of alternative road transport.
- 7.9 **Between 0130 and 0230 (on Sunday)**, one additional service shall be provided from London Euston to Milton Keynes Central calling at Wembley Central and all intermediate stations specified in Paragraph

1.5, except Bushey, Kings Langley, Apsley and Cheddington. This may be provided by means of alternative road transport.

Southbound

7.10 Between 1930 and 2359 departure time from Milton Keynes Central, nine additional services shall be provided from Milton Keynes Central to London Euston, calling at Watford Junction. Services may skip-stop and omit calls at intermediate stations, provided that minimum requirements are met in the table below:

Station	Minimum number of calls at each station	Maximum interval between services at each station, measured on departure time from Milton Keynes Central
Northampton	8	50 minutes
Wolverton	6	hourly
Bletchley	7	50 minutes
Leighton Buzzard	7	50 minutes
Cheddington	5	hourly
Tring	6	hourly
Berkhamsted	6	hourly
Hemel Hempstead	7	hourly
Apsley	4	hourly
Kings Langley	4	hourly
Bushey	1 service after 2100	Not applicable
Harrow & Wealdstone	3 services after 2100	Not applicable

8. Saturdays - London Euston to Northampton
(Fast Services, as defined in Paragraph 1.1(a) and 1.1(b))

- 8.1 Between 0900 up to and including the Late Service departure time from London Euston, and between 0830-1900 arrival time at London Euston, an hourly service shall be provided between London Euston and Northampton, calling at the stations specified in Paragraph 1.1(a).
- 8.2 Between 0730-1900 departure time from London Euston, and between 0945-2000 arrival time at London Euston, an hourly service shall be provided between London Euston and Northampton calling at the stations specified in Paragraph 1.1(b), providing (in conjunction with Paragraph 8.1) a half-hourly service between London Euston and Northampton, calling at Milton Keynes Central.
- 8.3 One additional service shall depart from Northampton, calling at the stations specified in paragraph 1.1(a), to arrive at London Euston between 0830-0900. This service shall also call at Watford Junction.
- 8.4 All services specified in Paragraph 8.2 shall be combined with services specified in either Route I or Route G to provide a through service between

London Euston and Rugby, calling at Watford Junction, Milton Keynes Central and Northampton.

9. Sundays - London Euston to Northampton
(Paragraphs 1.2, 1.3, 1.4, 1.5, also Route G)

Early Sunday Morning Service Variations

- 9.1 Between and including 0700 and 1159, a half-hourly service shall be provided from London Euston to Northampton, calling at all stations specified in Paragraph **1.5**, except Bushey.
- 9.2 Between 0615 and 1114, services shall be provided from Northampton to London Euston, as follows:
- (a) Between 0615 and 0744, one service shall be provided from Northampton to London Euston, calling at all stations specified in Paragraph **1.5**. Northampton and Wolverton may be served by means of alternative road transport, subject to this connecting into a service from Milton Keynes Central to London Euston and timed to provide an arrival at London Euston from Northampton not later than 0820.
 - (b) Between 0745 and 1159, a half-hourly service shall be provided from Northampton to London Euston, calling at all stations specified in Paragraph **1.5**, except Bushey.
- 9.3 One additional service shall be provided from Milton Keynes Central to London Euston in each of the time periods 0630-0659 and 0730-0759, calling at the stations in Paragraph **1.5**, except that these services need not call at Cheddington, Tring and Bushey. The first of these services shall be timed to arrive at London Euston by 0745.
- 9.4 Certain stations in Paragraphs 9.1 and 9.2 shall be subject to an amended calling pattern between these times, as follows:
- (a) Apsley, Kings Langley, Tring and Cheddington need only be served by one train per hour.
- 9.5 Between 1115 and 1159, one service shall be provided from Northampton to London Euston, calling at the stations specified in Paragraph 1.2.

Sunday - Core Service Specification

- 9.6 Between 1200 and 2059 from London Euston and between 1200 and the Late Service from Milton Keynes Central to London Euston, services shall be provided between London Euston and Northampton, as follows:
- One fast service per hour between London Euston and Northampton, calling at Watford Junction, Leighton Buzzard and Milton Keynes Central. This may be provided by services specified in Route G (London Euston-Northampton-Rugby-Crewe).
 - One semi-fast service per hour between London Euston and Northampton, calling at stations specified in Paragraph 1.2.
 - One semi-fast service per hour between London Euston and Milton Keynes Central, calling at stations specified in Paragraph 1.3.
 - One stopping service per hour between London Euston and Tring, calling at stations specified in Paragraph 1.4.

Late Sunday Evening Service Variations

Northbound

- 9.7 Between 2100 and 2359 departure time from London Euston, six services shall be provided from London Euston to Northampton at half-hourly intervals, calling at Watford Junction and Milton Keynes Central, as follows:
- The interval between the last two services may be extended to 45 minutes.
 - Services may skip-stop and omit calls at intermediate stations, provided that minimum requirements at each station are met as specified in the table below:

Station	Minimum number of calls at each station	No of trains per hour, if different
Harrow & Wealdstone	5	
Bushey <i>(may be to set down only)</i>	3	
Kings Langley	4	Minimum 1 per hour
Apsley	4	Minimum 1 per hour
Hemel Hempstead	6	
Berkhamsted	6	
Tring	4	Minimum 1 per hour
Cheddington	4	Minimum 1 per hour
Leighton Buzzard	6	
Bletchley	6	
Wolverton	6	

- 9.8 Between **0015 and 0045 (on Monday)**, one additional service shall be provided from London Euston to Northampton, calling at Wembley Central and all intermediate stations specified in Paragraph **1.5**.

- 9.9 Between **0115 and 0145 (on Monday)**, one additional service shall be provided from London Euston to Milton Keynes Central calling at Wembley Central and all intermediate stations specified in Paragraph 1.5, except Bushey, Kings Langley, Apsley and Cheddington.

Southbound

- 9.10 Between 2115 and 2315 departure time from Northampton, four services shall be provided from Northampton to London Euston at half-hourly intervals, as follows:
- (a) One interval between services departing from Northampton may be extended to 40 minutes.
 - (b) Services may skip-stop and omit calls at intermediate stations, provided that minimum requirements at each station are met as specified in the table below:

Station	Minimum number of calls at each station	No of trains per hour, if different
Wolverton	4	
Milton Keynes Central	4	
Bletchley	4	
Leighton Buzzard	4	
Cheddington	2	Minimum 1 per hour
Tring	2	Minimum 1 per hour
Berkhamsted	4	
Hemel Hempstead	4	
Apsley	3	Minimum 1 per hour
Kings Langley	3	Minimum 1 per hour
Bushey	2	
Harrow & Wealdstone	4	

10. Early and Late Services

	<i>Early Service arrives at destination no later than:</i>		
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
London Euston – Northampton (Fast) <i>(Paragraph 1.1)</i>	0830	1015	1400 *
Northampton – London Euston (Fast) <i>(Paragraph 1.1)</i>	0730	1030	1400 *
London Euston – Northampton (Semi-Fast) <i>(Paragraph 1.2)</i>	0700	0915	1400
Northampton – London Euston (Semi-Fast) <i>(Paragraph 1.2)</i>	0545	0730	1400
London Euston - Milton Keynes Central (Semi-Fast) <i>(Paragraph 1.3)</i>	0830	0830	1330
Milton Keynes Central – London Euston (Semi-Fast) <i>(Paragraph 1.3)</i>	0615	0800	1400
London Euston – Tring (Stopping Service) <i>(Paragraph 1.4)</i>	0650	0830	1300
Tring - London Euston (Stopping Service) <i>(Paragraph 1.4)</i>	0715	0715	1315

* provided by Route G services

Route	Late Service departs no earlier than:		
	Monday – Friday	Saturday	Sunday
London Euston – Northampton (Fast) <i>(Paragraph 1.1)</i>	2100	1910	1940 *
Northampton – London Euston (Fast) <i>(Paragraph 1.1)</i>	2015	1720	2040 *
London Euston – Northampton (Semi-Fast) <i>(Paragraph 1.2)</i>	0015 <i>(paragraph 1.5)</i>	1850	2030
Northampton – London Euston (Semi-Fast) <i>(Paragraph 1.2)</i>	2330	1900	2030
London Euston - Milton Keynes Central (Semi-Fast) <i>(Paragraph 1.3)</i>	0115	1910	2020 +
Milton Keynes Central – London Euston (Semi-Fast) <i>(Paragraph 1.3)</i>	2030	1840	2110 ++
London Euston – Tring (Stopping Service) <i>(Paragraph 1.4)</i>	2100	1925	2010
Tring - London Euston (Stopping Service) <i>(Paragraph 1.4)</i>	2115	1945	2010

* provided by Route G services

+ calls additionally at Apsley and Kings Langley

++ calls additionally at Bushey

11. Maximum Journey Times

<i>Route</i>	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
London Euston – Northampton (Fast) <i>(Paragraph 1.1) *</i>	* 1 hour 5 minutes, provided that 45% of services complete the journey within 55 minutes.	* 1 hour 5 minutes, provided that 45% of services complete the journey within 55 minutes.	* 1 hour 4 minutes (refers to Route G service)
Northampton – London Euston (Fast) <i>(Paragraph 1.1) *</i>	* 1 hour 4 minutes, provided that 45% of services complete the journey within 58 minutes.	* 1 hour 4 minutes, provided that 45% of services complete the journey within 58 minutes.	* 1 hour 4 minutes (refers to Route G service)
London Euston – Northampton (Semi-Fast) <i>(Paragraph 1.2)</i>	1 hour 27 minutes, provided that 80% of services complete the journey within 1 hour 12 minutes	1 hour 27 minutes, provided that 80% of services complete the journey within 1 hour 12 minutes	1 hour 12 minutes
Northampton – London Euston (Semi-Fast) <i>(Paragraph 1.2)</i>	1 hour 20 minutes, provided that 70% of services complete the journey within 1 hour 11 minutes	1 hour 20 minutes, provided that 70% of services complete the journey within 1 hour 11 minutes	1 hour 13 minutes
London Euston - Milton Keynes Central (Semi-Fast) <i>(Paragraph 1.3)</i>	1 hour	1 hour	1 hour
Milton Keynes Central – London Euston (Semi-Fast) <i>(Paragraph 1.3)</i>	59 minutes	59 minutes	59 minutes. Two services may take up to 1 hour 4 minutes
London Euston – Tring (Stopping Service) <i>(Paragraph 1.4)</i>	43 minutes	43 minutes	43 minutes
Tring - London Euston (Stopping Service) <i>(Paragraph 1.4)</i>	42 minutes	42 minutes	42 minutes. One service may take up to 44 minutes

** Maximum Journey Times for Fast services to/from Northampton on Sundays - include those provided by Route G services.*

Route R WATFORD JUNCTION – ST ALBANS ABBEY

1. Route Definition

Services shall be provided between Watford Junction and St Albans Abbey, calling at Watford North, Garston (Hertfordshire), Bricket Wood, How Wood and Park Street.

2. Service Pattern – Mondays to Fridays and Saturdays

Between and including the Early and Late Services, 22 services shall be provided at intervals not exceeding one hour.

3 Service Pattern - Sundays

Between and including the Early and Late Services, services shall be provided at hourly intervals

4. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Watford Junction-St Albans Abbey	0630	0630	0830
St Albans Abbey – Watford Junction	0645	0645	0900

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Watford Junction-St Albans Abbey	2215	2215	2300
St Albans Abbey – Watford Junction	2240	2225	2315

5. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Watford Junction-St Albans Abbey	17 minutes	17 minutes	16 minutes
St Albans Abbey – Watford Junction	17 minutes	17 minutes	16 minutes

Route S BLETCHLEY - BEDFORD

1. Route Definition

1.1 Services shall be provided between Bletchley and Bedford, calling at Fenny Stratford, Bow Brickhill, Woburn Sands, Aspley Guise, Ridgmont, Lidlington, Millbrook (Bedfordshire), Stewartby, Kempston Hardwick and Bedford St Johns.

2. Service Pattern – Mondays to Fridays and Saturdays

2.1 Between and including the Early and Late Services, an hourly service shall be provided. Service intervals may be extended up to 1 hour 45 minutes, providing that four services are provided within any 4 hour 30 minute period.

2.2 The Franchise Operator shall use reasonable endeavours to time services to meet the needs of Bedford schools on Schooldays.

3. Service Pattern - Sundays

There is no requirement for a service to be provided on Sundays.

4. Early and Late Services

<i>Early Service arrives at destination no later than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Bletchley-Bedford	0630	0630	N/A
Bedford-Bletchley	0730	0730	N/A

<i>Late Service departs no earlier than:</i>			
Route	<i>Monday – Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Bletchley-Bedford	2030	2030	N/A
Bedford-Bletchley	2130	2130	N/A

5. Maximum Journey Times

Route	<i>Monday - Friday</i>	<i>Saturday</i>	<i>Sunday</i>
Bletchley-Bedford	44 minutes	44 minutes	N/A
Bedford-Bletchley	43 minutes	43 minutes	N/A

APPENDIX 1 - Summary of Coventry-Wolverhampton corridor Standard Hour Calling Patterns, Mondays to Saturdays

Direction:	Coventry – Wolverhampton										Total	Comments
Trains between:	BHM-LIV	BMI-BHM	BHM-WOL	COV-BHM	BHM-LIV	NPT-BHM	BHM-SHR	BHM-WOL	NPT-BHM	BMI-WALES		
Route:	P	J1	H	J1	P	I	O	H	I			
Station												
Canley				1		1					2	
Tile Hill				1		1			1		3	
Berkswell				1		1					2	
Hampton-in-Arden				1					1		2	
Marston Green				1		1			1		3	
Lea Hall		1				1					2	
Stechford		1				1					2	
Adderley Park		1									1	
Smethwick Rolfe Street			1					1			2	
Smethwick Galton Bridge			1		1			1		1*	4	*ATW service
Sandwell and Dudley			1				1	1			3	
Dudley Port			1					1			2	
Tipton			1					1			2	
Coseley	1		1					1			3	
Direction:	Wolverhampton-Coventry										Total	Comments
Station												
Canley				1					1		2	
Tile Hill				1		1			1		3	
Berkswell				1					1		2	
Hampton-in-Arden				1		1					2	
Marston Green				1		1			1		3	
Lea Hall		1		1							2	
Stechford		1		1							2	
Adderley Park		1									1	
Smethwick Rolfe Street			1					1			2	
Smethwick Galton Bridge			1		1			1		1*	4	*ATW service
Sandwell and Dudley			1				1	1			3	
Dudley Port			1					1			2	
Tipton			1					1			2	
Coseley	1		1					1			3	

DEROGATION PAGE