

T.V.S.C.  
Western Mainline  
Signalling Renewal  
**Bristol Temple Meads**



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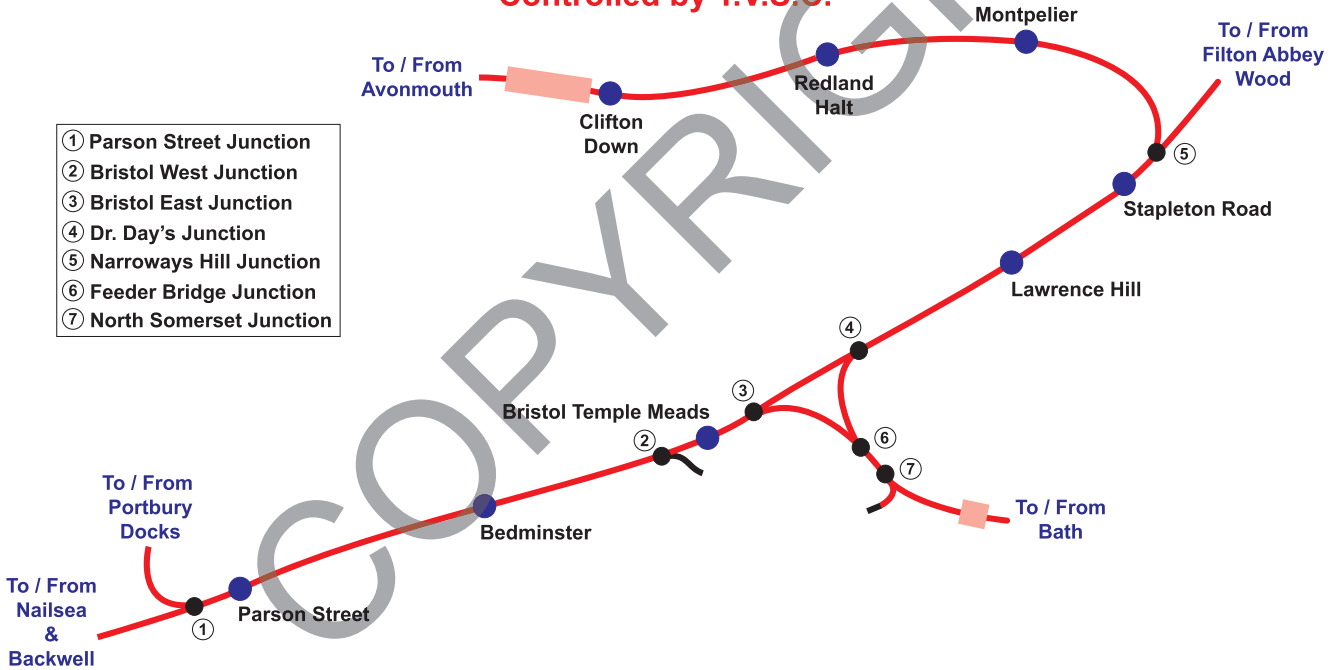
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# Network Rail Western Mainline Signalling Renewal Controlled by T.V.S.C.

- ① Parson Street Junction
- ② Bristol West Junction
- ③ Bristol East Junction
- ④ Dr. Day's Junction
- ⑤ Narrows Hill Junction
- ⑥ Feeder Bridge Junction
- ⑦ North Somerset Junction



## General

This handbook contains details of signalling and permanent way alterations covering areas previously controlled from Bristol Panel Signal Box.

Control of signals and other equipment in the area concerned will be transferred to the Thames Valley Signalling Centre (TVSC) at Didcot.

The relevant sectional appendix pages will be re-issued where necessary and the details will be published in the Weekly Operating Notice.

## Overview of the scheme

1. The lines between Flax Bourton Tunnel and St Annes No.2 Tunnel (exclusive) and the Up and Down Filton lines from just the Bristol Parkway side of Narrowways Hill Junction, to Bristol East Jn will be re-controlled to TVSC.
2. The single line between Narrowways Hill Junction and Clifton Down Tunnel, including the passing loop at Clifton Down station will re-controlled to TVSC.
3. All signals presently controlled by Bristol signal box in the affected area will be renewed in modern LED form and controlled from a new Temple Meads work station at TVSC. Signal identification plates will change to BL and signal numbers will be 4 digits, in the 1xxx/2xxx (main aspect) and 6xxx (position-light) number range.
4. The numbering of points, crossovers and connections will change and all automatic signal identification plates will be removed.
5. Supervision of the Ashton Jn to Portbury token system together with Ashton Jn LC (CCTV) will transfer to TVSC.
6. Bristol west and east signal gantries – main aspect signals approaching the station will be converted to 4 aspect type colour-light signals.
7. Bristol Temple Meads station:
  - a. New three aspect colour-light signals will be brought into use, replacing St Andrews Cross signs.
  - b. The route indication (number) displayed on a gantry signal for a through platform line will only display the number of the near platform line – i.e. the route onto which the movement is being signalled.

- c. Permissive working arrangements at platforms 3 -12 will change to PP-A (permissive working for the purposes of attaching and detaching use only by class 1, 2, 3 ECS, 5, 9 and 0 trains). Platform sharing on the same line in a signal section will be prohibited.
8. Train detection will be by axle counters
9. Some line names and siding names will be changed.
10. Some permissible speeds will be changed

### The following lines and sidings will be renamed

Former name	New name
Up Siding (Lawrence Hill)	Barrow Road Siding
Up Filton	Up Filton Main #
Down Filton	Down Filton Main #
Engineers Siding	East Depot Siding
Down Goods Loop	East Depot Goods Loop
Spur 1	East Depot Spur 1
Spur 2	East Depot Spur 2
West Carriage Sidings	Bristol West Carriage Sidings
Carriage Washing Siding	West Carriage Washing Siding
Carriage Line	West Carriage Line
Bristol Freightliner Rail Port	South Liberty Siding

# - Applicable between Bristol East gantry and Dr Day's Junction only.

## Signalling and permanent way

Drivers should familiarise themselves with the new signal positions by using the briefing package DVD and maps supplied and by studying the attached layout plans.

### Between Bristol East Junction and Feeder Bridge Junction (Kingsland Road)

Down Main line signal B16 and Up Main line (down direction) signal B18 previously on a cantilever structure will be renewed on straight posts and

renumbered BL1981 and BL1983 (situated on the right hand side of the line) respectively.

#### **Bristol East Depot**

East Depot Goods Loop line signal B414 (down direction) will be renumbered BL1973. A junction indicator (position 4 – Up Main line and position 5 – Up Bristol Loop line) will be provided. The miniature indicator associated with the position-light will apply to shunting movements to Down Main line position-light signal BL6653.

#### **Bristol East Junction – East signalling gantry**

All main aspect colour-light signals will be renumbered as shown on the map and signal route table.

All position-light signals associated with up direction signals will be taken out of use and recovered.

All down direction signals will be converted to 4 aspect type colour-light signals (see also the section 'Working of through platform lines' later in this handbook).

The number of route indications displayed will be changed. Details are shown in the signal route table (please refer to page 6).

The stop board on the link line between the High Level Siding and Barton Hill Depot will be recovered. All movements on this siding will be made on the authority of position-light signals.

#### **Bristol Temple Meads station**

Details of the routes displayed on the east and west signal gantries are shown in the signal route tables on your DVD and later in this handbook.

The existing "Off" indicators will be taken out of use and recovered and new indicators provided. All platform signals will be provided with 2 'Off' indicators other than:

- Platform 1 signal BL2090 – 1 indicator will be provided (up)
- Platform 3 signal BL2092 – 3 indicators will be provided (up)
- Platform 4 signal BL2151 – 1 indicator will be provided (down)
- Platform 9 signal BL2100 – 1 indicator will be provided (up)
- Platform 10 signal BL2143 – 1 indicator will be provided (down)
- Platform 12 signal BL2141 – 1 indicator will be provided (down)

- Platform 13 signal BL2106 – 1 indicator will be provided (up)
- Platform 15 signal BL2137 – 1 indicator will be provided (down)

Combined 'Close-doors' (CD) / 'Right-away' (RA) indicators will be provided for all platform lines.

#### **Bristol Temple Meads – Up direction signals (London end)**

Platform 7 line signal B45 and platform 9 line signal B47 will be renumbered BL2098 and BL2100 respectively and renewed on straight posts. A standard route indicator will be provided above the red aspect. A miniature route indicator will be provided below the red aspect. Routes available explained in table of routes, later in this handbook.

Signal BL2100 will be situated on the right hand side of the line.

The associated position-light signals on platform 7 line signal BL2098, platform 9 line signal BL2100 and platform 11 line signal BL2102 will be taken out of use and recovered.

Position-light signals controlling movements from the High Level Siding, Middle Spur sidings 1 and 2, and the In/Out Road siding will be renumbered as shown on the map without alteration to meaning or indications displayed.

#### **Bristol Temple Meads – Down direction signals (Taunton end)**

Platform 4 line signal B44 (down direction) will be renumbered BL2151 and renewed on a straight post situated on the right hand side of the line. A standard route indicator will be provided for all main class signal routes. The routes available are explained in table of routes, later in this handbook.

Down Through line signal B32 will be renumbered BL2139 and the associated position-light signal will be taken out of use and recovered.

#### **Bristol West Junction – West signalling gantry**

All main aspect colour-light signals will be renumbered as shown on the map and signal route table.

All up direction signals will be converted to 4 aspect type colour-light signals (see also the section 'Working of through platform lines' in this handbook).

The number of route indications displayed will be changed. Details are shown in the signal route table (please refer to page 6).

There will be no alteration to meaning or indications displayed by any down direction signal.

### Bristol Temple Meads - Working of through platform lines

All St Andrews Cross signs will be taken out of use and recovered. New three aspect colour-light "platform sharing" signals will be provided as follows:

Platform(s)	Down Signal No.	Up Signal No.
3 and 4	BL2135	BL2110
5 and 6	BL2131	BL2114
7 and 8	BL2129	BL2116
9 and 10	BL2127	BL2118
11 and 12	BL2125	BL2120

Associated position-light signals will be provided for shunting or attaching when the line is occupied (see the section 'Permissive Working' later in this handbook).

### Route indicators

A route indication (RI) for a through platform line at either the east or west signal gantry will only display the number of the nearest platform (i.e. between the gantry signal and platform sharing signal). The signal aspect shown will determine which section (east end, or west end of the platform) the train will be dealt with in.

#### East signal gantry (example)

Signal aspect shown	RI shown	What it means
Single Yellow	3	Run the train as far as the platform sharing signal – train will be dealt with in platform 3.
Double Yellow (or Green)	3	The route is clear beyond the platform sharing signal – the train will be dealt with in platform 4.
Position-light	3	The train is being routed to platform 3 which is already occupied, for attachment purposes.

#### West signal gantry (example)

Signal aspect shown	RI shown	What it means
Single Yellow	4	Run the train as far as the platform sharing signal – train will be dealt with in platform 4.
Double Yellow (or Green)	4	The route is clear beyond the platform sharing signal – the train will be dealt with in platform 3.
Position-light	4	The train is being routed to platform 4 which is already occupied, for attachment purposes.

Route indications for Platforms 1, 13 and 15 will not be affected and will remain unchanged.

### Bristol Temple Meads - permissive working

The arrangements for permissive working will be changed as follows:

Permissive working arrangements at platforms 3 -12 will change to PP-A (permissive working for the purposes of attaching and detaching (**not** platform sharing on the same line in a signal section).

The arrangements for platform 1, 13 and 15 will not be affected and will remain unchanged.

Local instructions will be updated and published in the Sectional Appendix.

### Pylle Hill

The Up Relief Line Limit of Shunt indicator at Pylle Hill will be renumbered BL6729.

### Bristol West Junction to Bedminster

Position-light signals on the West Carriage Line and West Carriage Washing Siding will be renumbered as shown on the fold out diagram.

### Bedminster

Up Relief line signal B25 will be renumbered BL2166 and the route indicator will be capable of displaying the letter R (Relief) when the route is set to Up Relief line signal BL2154 at Bristol West Junction.

The “signal ahead” line side signs associated with Up Relief line signal B25 and Up Main line signal B27 (between Parson Street and Bedminster) will be retained and renumbered BL2166 and BL2168 respectively.

Down Main line signal B56 and Up Main line (down direction) signal B58 will be renumbered BL2169 and BL2171 respectively. The position-light signals and associated miniature indicators will be taken out of use and recovered.

#### **Parson Street to Flax Bourton Tunnel**

Up Relief line signal B423 and Up Main line signal B23 will be renumbered BL2172 and BL2174 respectively. The associated miniature indicators will be taken out of use and recovered.

Up Main line signal UM123 will be renumbered BL2184 and provided with a two state banner repeating signal, BL2184BR 291 metres on approach.

#### *Flashing yellow aspects*

Up Main line signals UM122, B19 and B21 will be renumbered BL2182, BL2180 and BL2178 respectively.

Up Main line signal BL2182 will be capable of displaying flashing yellow aspects and Up Main line signal BL2180 will be capable of displaying a single yellow flashing aspect when the route is set from Up Main line signal BL2178 (proceed aspect with POS1 J) to the Up Relief line (Parson Street).

#### *Ground frames*

Release of Lawrence Hill, East Depot Down Siding, Bristol Middle Siding West, East and Spur ground frames will be transferred to the Temple Meads work station (TVSC).

#### **Narroways Hill Junction to Clifton Down Tunnel**

Up Avonmouth line signal B351 approaching Clifton Down station will be renumbered BL1852 and provided with a new standard route indicator which will display a number to show the route onto which the movement is being signalled (1, Up Avonmouth line and 2, Down Avonmouth line).

Up Avonmouth line signal B353 will be renumbered BL1848 and moved to be 61 metres closer to Clifton Down station. The associated 2 state banner repeating signal will be taken out of use and recovered.

Down Avonmouth line signal B358 will be renumbered BL1851 and moved to be 129 metres closer to Clifton Down station. The associated 2 state banner repeating signal will be taken out of use and recovered.

The Down Avonmouth line through Clifton Down station platform 2 will be bi-directional as far as a new fixed red signal, BL1850 situated on the right hand side of the line at the Avonmouth end of the platform, opposite signal BL1848.

#### **St Phillips Marsh HST depot – North Somerset Junction to Bristol West Junction**

SPM Shed line signal B345 and Bristol Goods Avoiding line (up direction) signal B347 previously on a cantilever structure will be renewed on straight posts and renumbered BL2066 and BL2068 respectively and the route indicator(s) will be moved to be above the signal(s).

- BL2068 will be situated on the right hand side of the line and the associated position-light signal will be moved to be to the right of the red aspect.

#### **Rhubarb Loop – between North Somerset and Dr. Days Junctions (also Feeder Bridge)**

Down Bristol Loop line signal B465 and Up Bristol Loop line (down direction) signal B165 previously on a cantilever structure will be renewed on straight posts and renumbered BL2055 and BL2057 respectively.

Signal BL2057 will be situated on the right hand side of the line and the associated position-light signal and miniature indicator will be moved to be to the right of the red aspect.

#### **Parson Street Junction to Portbury**

Supervision of the Ashton Jn to Portbury token system together with Ashton Jn LC (CCTV) will transfer from Bristol signal box to the Temple Meads work station (TVSC).

#### **Position-light signal recoveries**

The following position-light signals will be taken out of use:

1. Bristol - west
  - a. B535 – to Up Relief and Up Main lines
  - b. B537 – to Up Relief, Up Main and Down Main lines
  - c. B545 – to platform lines 9, 10, 11 and 12
  - d. B547 – to platform lines 5, 6, 7 and 8
  - e. B549 – to Down Through line

2. Bristol - east
  - a. B558 – to Down Main and Up Main lines
  - b. B560 – to Down Main, Up Main and Down Filton Main lines
  - c. B567 – to Up Filton Main line
  - d. B569 – to Up Filton Relief and Up Filton Main lines
  - e. B570 – to platform lines 5, 6, Middle Siding and Up Through lines
  - f. B572 – to platform lines 9, 10, 11 and 12
  - g. B576 – to Down Through line

### Permissible speeds

The position of permissible speed and warning indicators are shown on the layout plans.

Permissible speed changes will be shown on re-issued Sectional Appendix Table A pages and published in the Weekly Operating Notice.

### Approaching Parson Street Junction

A new Up Main line 40mph permissible speed warning indicator with left hand arrow (121m 29ch) will be provided for movements to the Up Relief line.

### North Somerset Junction

A new Up Main line down direction 25mph permissible speed warning indicator with left hand arrow (117m 45ch) will be provided for movements to the Down Main line.

### Feeder Bridge Junction

The existing Down Main line 10mph permissible speed indicator (cut out letters and numbers) with right hand arrow at 117m 53ch (just the London side of the junction) which applies to trains routed to the Up Bristol Loop line will be renewed in modern form.

A new Down Main line up direction 70mph permissible speed indicator with miniature 25mph and left hand arrow for a movement to the Up Main will be provided 117m 53ch on the same post as above.

### Signalling workstation boundaries

#### Filton lines between Bristol East Junction and Stoke Gifford Junction

The boundary between the Temple Meads and Stoke Gifford work stations will be as follows (and shown on the attached layout plans):

Up Filton line	Last Temple Meads work station signal	First Stoke Gifford work station signal
	BL1594 (former UF2)	BL1586
Down Filton line	Last Stoke Gifford work station signal	First Temple Meads work station signal
	BL1587	BL1599 (former B248)

Main lines between Bristol and Bath

The boundary between the Temple Meads work station and Bristol signal box (panel C) will be as follows (and shown on the attached layout plans):

Up Main line	Up direction		Down direction	
	Last Temple Meads	First Bristol	Last Bristol	First Temple Meads
BL1970 (former B67)	UM116	B208	BL1977 (former B214)	

Down Main line	Down direction		Up direction	
	Last Bristol	First Temple Meads	Last Temple Meads	First Bristol
DM115	BL1969 (former B12)	BL1980/1982 (former B65/ B265)	B171	



**Main lines between Bristol and Nailsea**

The boundary between the Temple Meads work station and Bristol signal box (panel A) will be as follows (and shown on the attached layout plans):

Up Main line	Last Bristol signal	First Temple Meads work station signal
	UM125	BL2186 (former B17)
Down Main line	Last Temple Meads work station signal	First Bristol signal
	BL2185 (former B64)	DM125

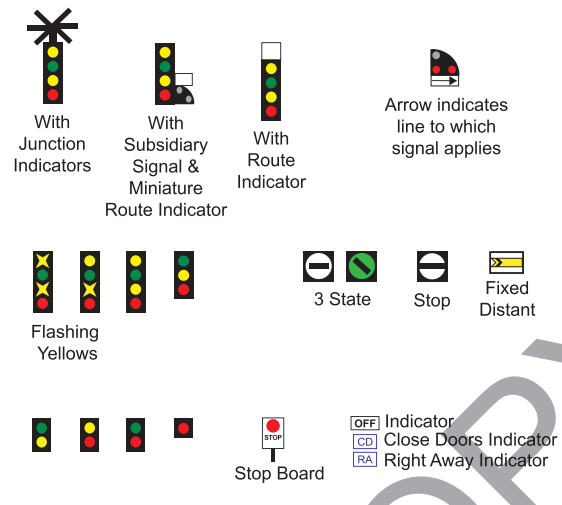
**Severn Beach line – between Narroways Hill Junction and Clifton Down Tunnel**

The boundary between the Temple Meads work station and St Andrews Road signal box will be as follows (and shown on the attached layout plans):

Avonmouth Single	Up direction	
	Last Temple Meads work station signal	First St Andrews Road signal box signal
	BL1848 (former B353)	SA3
	Down direction	
	Last St Andrews Road signal box signal	First Temple Meads work station signal
	SA8	BL1847 (former B356)

# Legend

### Signals



With Junction Indicators

With Subsidiary Signal & Miniature Route Indicator

With Route Indicator

Arrow indicates line to which signal applies

Flashing Yellows

3 State

Stop

Fixed Distant

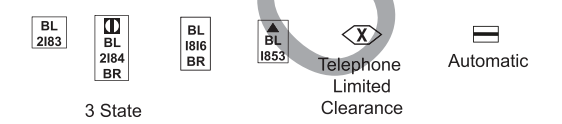
Stop Board

OFF Indicator

CD Close Doors Indicator

RA Right Away Indicator

### Signal Plates



BL 2183

BL 2184 BR

BL 1816 BR


BL 1853

Telephone Limited Clearance

Automatic

3 State

### Permanent Speed Restrictions



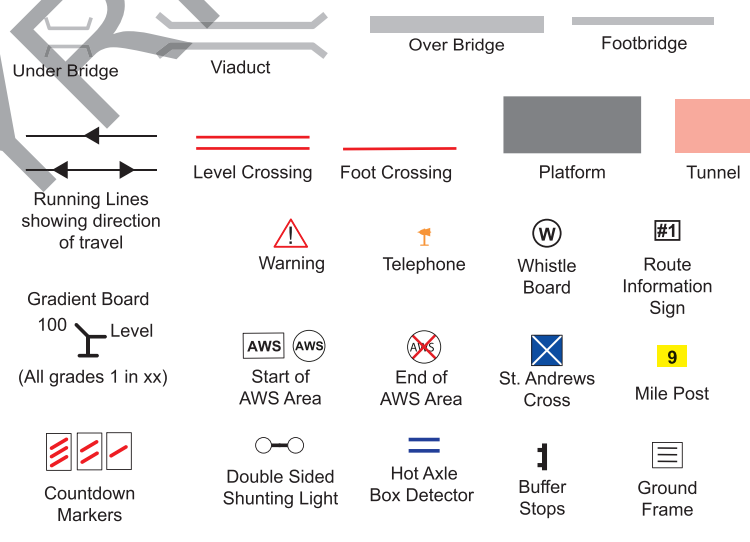
Advance

60

15 mph 30

15

### General Information



Under Bridge

Viaduct

Over Bridge

Footbridge

Level Crossing

Foot Crossing

Platform

Tunnel

Running Lines showing direction of travel

Warning

Telephone

Whistle Board

Route Information Sign

Gradient Board 100 Level  
(All grades 1 in xx)

Start of AWS Area

End of AWS Area

St. Andrews Cross

Mile Post

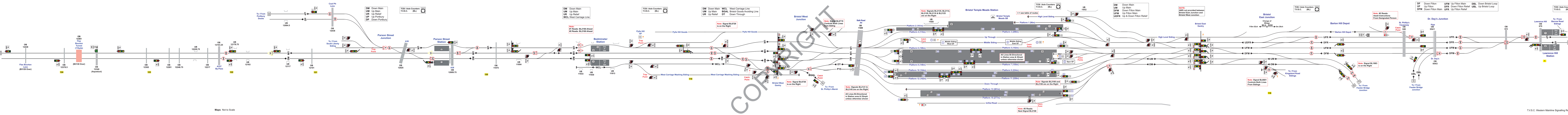
Countdown Markers

Double Sided Shunting Light

Hot Axle Box Detector

Buffer Stops

Ground Frame



Maps Not to Scale

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# Tables of Routes

The following lists of signal routes show all routes from

- New Signals from which there is more than one route
- New Signals which are capable of giving any route indications

'M' indicates a main aspect

'PL' indicates Position Light Shunt aspect

Items in the '**Route Indication Displayed**' column specify a route indicator display or an illuminated Junction Indicator position

## ***Nailsea & Backwell Station – Filton Abbey Wood Station***

### **UP DIRECTION**

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL6744	PL	Nil	Up Relief	BL2176
	PL	Nil	Up Main	BL2174
BL6746	PL	Nil	Up Relief	BL2176
	PL	Nil	Up Main	BL2174
BL2178	M	Pos.1	Up Relief	BL2172
	M	Nil	Up Main	BL2174
BL2172	PL	Nil	Up Relief	BL6736
	M	Nil	Up Relief	BL2166
BL2174	PL	Nil	Up Relief	BL6736
	M	Pos.1	Up Relief	BL2166
BL6738	M	Nil	Up Main	BL2168
	PL	Nil	Up Relief	BL6736
BL6736	PL	Nil	Up Main	BL2168
	PL	Nil	Pylle Hill Goods	PYLLE
BL6736	PL	Nil	Up Relief	PYLLE
	PL	Nil	Up Relief	BL2166

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL6734	PL	Nil	West Carriage Line	BL6728
	PL	Nil	West Carriage Washing Siding	BL6730
BL2166	M	R	Up Relief	BL2154
	M	U	Up Main	BL2156
	M	D	Down Main	BL2158
	M	C	West Carriage Line	BL2160
BL2168	M	Nil	Up Main	BL2156
	M	Pos.4	Down Main	BL2158
	M	Pos.5	West Carriage Line	BL2160
BL6732	PL	Nil	Down Main	BL2158
	PL	Nil	Down Through	BL2160
BL6730	PL	Nil	Down Through	BL2160
	PL	Nil	West Carriage Washing Siding	-

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2154	M	4	Platform 3 / 4	BL2110
	PL	4	Platform 3 / 4	BL2110
	M	U	Up Through	BL2094
	PL	Nil	Up Relief	BL6714
	M	6	Platform 5 / 6	BL2114
	PL	6	Platform 5 / 6	BL2114
BL2156	M	4	Platform 3 / 4	BL2110
	PL	4	Platform 3 / 4	BL2110
	M	U	Up Through	BL2094
	PL	Nil	Up Relief	BL6714
	M	6	Platform 5 / 6	BL2114
	PL	6	Platform 5 / 6	BL2114
	M	8	Platform 7 / 8	BL2116
	PL	8	Platform 7 / 8	BL2116

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2158	M	4	Platform 3 / 4	BL2110
	PL	4	Platform 3 / 4	BL2110
	M	U	Up Through	BL2094
	PL	Nil	Up Relief	BL6714
	M	6	Platform 5 / 6	BL2114
	PL	6	Platform 5 / 6	BL2114
	M	8	Platform 7 / 8	BL2116
	PL	8	Platform 7 / 8	BL2116
	M	10	Platform 9 / 10	BL2118
	PL	10	Platform 9 / 10	BL2118
	M	12	Platform 11 / 12	BL2120
	PL	12	Platform 11 / 12	BL2120

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Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2160	M	4	Platform 3 / 4	BL2110
	PL	4	Platform 3 / 4	BL2110
	M	U	Up Through	BL2094
	PL	Nil	Up Relief	BL6714
	M	6	Platform 5 / 6	BL2114
	PL	6	Platform 5 / 6	BL2114
	M	8	Platform 7 / 8	BL2116
	PL	8	Platform 7 / 8	BL2116
	M	10	Platform 9 / 10	BL2118
	PL	10	Platform 9 / 10	BL2118
	M	12	Platform 11 / 12	BL2120
	PL	12	Platform 11 / 12	BL2120
	M	D	Down Through	BL2104
	PL	Nil	Down Through	BL6726
	M	15	Platform 15	BL2108
	M	G	Bristol Goods Avoiding Line	PM32
BL6726	PL	Nil	Platform 9 / 10	BL2118
	PL	Nil	Platform 11 / 12	BL2120
	PL	Nil	Down Through	BL2104
	PL	Nil	Platform 15	BL2108
	PL	Nil	Bristol Goods Avoiding Line	PM32
BL6720	PL	Nil	West Sidings	BWCS
	PL	Nil	Up Relief	BL6714

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL6714	PL	Nil	Platform 3 / 4	BL2110
	PL	Nil	Up Through	BL2094
	PL	Nil	Middle Siding	MIDE
	PL	Nil	Platform 5 / 6	BL2114
BL2110	M	Nil	Platform 3 / 4	BL2092
	PL	Nil	Platform 3 / 4	BL2092
BL2114	M	Nil	Platform 5 / 6	BL2096
	PL	Nil	Platform 5 / 6	BL2096
BL2116	M	Nil	Platform 7 / 8	BL2098
	PL	Nil	Platform 7 / 8	BL2098
BL2118	M	Nil	Platform 9 / 10	BL2100
	PL	Nil	Platform 9 / 10	BL2100
BL2120	M	Nil	Platform 11 / 12	BL2102
	PL	Nil	Platform 11 / 12	BL2102
BL2090	PL	D	Barton Hill Depot	BHD
	M	R	Up & Down Filton Relief	BL2070
	PL	R	Up & Down Filton Relief	BL6691
BL2092	M	F	Up Filton Main	BL2072
	PL	D	Barton Hill Depot	BHD
	M	R	Up & Down Filton Relief	BL2070
	PL	R	Up & Down Filton Relief	BL6691
	M	F	Up Filton Main	BL2072

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2094	PL	D	Barton Hill Depot	BHD
	M	R	Up & Down Filton Relief	BL2070
	PL	R	Up & Down Filton Relief	BL6691
	M	F	Up Filton Main	BL2072
BL2096	M	F	Up Filton Main	BL2072
	M	DF	Down Filton Main	BL2074
BL6706	PL	Nil	Up Filton Main	BL2072
	PL	Nil	Down Filton Main	BL2074
BL6708	PL	Nil	Up Filton Main	BL2072
	PL	Nil	Down Filton Main	BL2074
BL2098	M	F	Up Filton Main	BL2072
	M	DF	Down Filton Main	BL2074
BL2100	M	F	Up Filton Main	BL2072
	M	DF	Down Filton Main	BL2074
	M	M	Up Main	BL2076
	M	DM	Down Main	BL2078
	M	F	Up Filton Main	BL2072
BL2102	M	DF	Down Filton Main	BL2074
	M	M	Up Main	BL2076
	M	DM	Down Main	BL2078
	M	F	Up Filton Main	BL2072
BL2104	M	DF	Down Filton Main	BL2074
	M	DM	Down Main	BL2078
	M	F	Up Filton Main	BL2072

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2106	M	F	Up Filton Main	BL2072
	M	DF	Down Filton Main	BL2074
	M	DM	Down Main	BL2078
BL2108	M	F	Up Filton Main	BL2072
	M	DF	Down Filton Main	BL2074
	M	DM	Down Main	BL2078
BL6704	PL	Nil	Barton Hill Depot	BHD
	PL	Nil	Up/Down Filton Relief	BL6691
BL6691	PL	Nil	Barton Hill Depot	BHD
	PL	Nil	Up & Down Filton Relief	BL2070
BL2072	PL	Nil	Up Filton Main	BL2072
	M	Pos.1	Up Filton Relief	BL1816
	M	Nil	Up Filton Main	BL1818
	M	Pos.4	Up Main	BL1980
	M	Pos.5	Down Main	BL1982
BL2074	M	Nil	Up Main	BL1980
	M	Pos.4	Down Main	BL1982
BL2076	M	Nil	Up Main	BL1980
	M	Pos.4	Down Main	BL1982
BL2078	M	Pos.1	Up Main	BL1980
	M	Nil	Down Main	BL1982
	PL	Nil	Down Main	BL6686
	PL	S	Kingsland Road Sidings	KRS
BL6686	PL	Nil	Down Main	BL1982
	PL	Nil	Kingsland Road Sidings	KRS

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL1804	M	Pos.1	Up Avonmouth	BL1852
	M	Nil	Up Filton	BL1594
BL1580	M	Pos.1	Up Bristol	BL1570
	M	Pos.4	Up Filton	BL1556
BL1572	M	Pos.2	Up Bristol	BL1570
	M	Pos.1	Up Filton	BL1556
BL1570	M	Pos.1	Down Filton Chord	BL2049
	M	Nil	Up Bristol	BL1566

### **Filton Abbey Wood Station – Nailsea & Backwell Station**

#### **DOWN DIRECTION**

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL6617	PL	Nil	Up Filton	BL6621
	PL	Nil	Barrow Road Siding	BRS
BL1815	M	Pos.3	Down Bristol Loop	BL2055
	M	Pos.2	Up Bristol Loop	BL2057
	M	Pos.1	Down Filton Main	BL1823
	M	Nil	Down Filton Relief	BL1821
	PL	D	Up Filton Relief	BL6625
BL6621	PL	Nil	Down Bristol Loop	BL2055
	PL	Nil	Up Bristol Loop	BL2057
	PL	Nil	Down Filton Main	BL1823
	PL	Nil	Down Filton Relief	BL1821
	PL	Nil	Up Filton Relief	BL6625

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL1823	M	Nil	Down Filton Main	BL2083
	M	Pos.4	Up Filton Main	BL2085
BL1821	M	Pos.1	Up Filton Main	BL2085
	M	Nil	Up & Down Filton Relief	BL2087
BL1983	M	Pos.1	Down Main	BL2079
	M	Nil	Up Main	BL2081
	M	Pos.4	Down Filton Main	BL2083
	M	Pos.5	Up Filton Main	BL2085
	M	Nil	Down Main	BL2079
	M	Pos.4	Up Main	BL2081
BL1981	M	Pos.5	Down Filton Main	BL2083
	M	Pos.6	Up Filton Main	BL2085
	PL	Nil	Kingsland Road Sidings Spur	SKRS
BL6681	PL	Nil	Down Main	BL2079
	M	U	Up Through	BL2149
BL2087	M	3	Platform 3 / 4	BL2135
	PL	3	Platform 3 / 4	BL2135
	PL	Nil	Up & Down Filton Relief	BL6692
	M	1	Platform 1	Pt1
	PL	1	Platform 1	Pt1
	PL	S	High Level Siding	HLS

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2085	PL	L	In / Out Road	IOR
	M	15	Platform 15	BL2137
	M	13	Platform 13	Plt13
	M	D	Down Through	BL2139
	PL	Nil	Down Main	BL6695
	M	11	Platform 11 / 12	BL2125
	PL	11	Platform 11 / 12	BL2125
	M	9	Platform 9 / 10	BL2127
	PL	9	Platform 9 / 10	BL2127
	M	7	Platform 7 / 8	BL2129
	PL	7	Platform 7 / 8	BL2129
	PL	Nil	Down Filton Main	BL6699
	M	5	Platform 5 / 6	BL2131
	PL	5	Platform 5 / 6	BL2131
	M	U	Up Through	BL2149
	M	3	Platform 3 / 4	BL2135
	PL	3	Platform 3 / 4	BL2135
	PL	Nil	Up & Down Filton Relief	BL6692
	M	1	Platform 1	Plt1
	PL	1	Platform 1	Plt1
PL	S	High Level Siding	HLS	

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2083	PL	L	In / Out Road	IOR
	M	15	Platform 15	BL2137
	M	13	Platform 13	Plt13
	PL	13	Platform 13	Plt13
	M	D	Down Through	BL2139
	PL	Nil	Down Main	BL6695
	M	11	Platform 11 / 12	BL2125
	PL	11	Platform 11 / 12	BL2125
	M	9	Platform 9 / 10	BL2127
	PL	9	Platform 9 / 10	BL2127
	M	7	Platform 7 / 8	BL2129
	PL	7	Platform 7 / 8	BL2129
	M	5	Platform 5 / 6	BL2131
	PL	5	Platform 5 / 6	BL2131
	PL	Nil	Down Filton Main	BL6699
	BL2081	M	11	Platform 11 / 12
PL		11	Platform 11 / 12	BL2125
M		9	Platform 9 / 10	BL2127
PL		9	Platform 9 / 10	BL2127

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2079	PL	L	In / Out Road	IOR
	M	15	Platform 15	BL2137
	M	13	Platform 13	Plt13
	PL	13	Platform 13	Plt13
	M	D	Down Through	BL2139
	PL	Nil	Down Main	BL6695
	M	11	Platform 11 / 12	BL2125
	PL	11	Platform 11 / 12	BL2125
	M	9	Platform 9 / 10	BL2127
PL	9	Platform 9 / 10	BL2127	
BL6687	PL	Nil	Up & Down Filton Relief	BL6692
	PL	Nil	High Level Siding	HLS
BL6692	PL	Nil	Up & Down Filton Relief	BL6703
	PL	Nil	High Level Siding	HLS
BL6699	PL	Nil	Platform 9 / 10	BL2127
	PL	Nil	Platform 7 / 8	BL2129
	PL	Nil	Middle Spur 2	SPUR 2
	PL	Nil	Middle Spur 1	SPUR 1
	PL	Nil	Platform 5 / 6	BL2131
BL6695	PL	Nil	In / Out Road	IOR
	PL	Nil	Platform 15	BL2137
	PL	Nil	Platform 13	Plt13
	PL	Nil	Down Through	BL2139

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL6703	PL	Nil	Middle Siding	MIDW
	PL	Nil	Up Through	BL2149
	PL	Nil	Platform 3 / 4	BL2135
	PL	Nil	Platform 1	Plt1
BL2135	M	Nil	Platform 3 / 4	BL2151
	PL	Nil	Platform 3 / 4	BL2151
BL2131	M	Nil	Platform 5 / 6	BL2147
	PL	Nil	Platform 5 / 6	BL2147
BL2129	M	Nil	Platform 7 / 8	BL2145
	PL	Nil	Platform 7 / 8	BL2145
BL2127	M	Nil	Platform 9 / 10	BL2143
	PL	Nil	Platform 9 / 10	BL2143
BL2125	M	Nil	Platform 11 / 12	BL2141
	PL	Nil	Platform 11 / 12	BL2141
BL2151	M	T	Down Through	BL2161
	M	D	Down Main	BL2163
	M	U	Up Main	BL2165
	PL	X	Up Relief	BL6729
	PL	G	Pylle Hill Goods	PYLLE
BL2149	M	T	Down Through	BL2161
	M	D	Down Main	BL2163
	M	U	Up Main	BL2165
	PL	X	Up Relief	BL6729
	PL	G	Pylle Hill Goods	PYLLE

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2147	M	T	Down Through	BL2161
	M	D	Down Main	BL2163
	M	U	Up Main	BL2165
	PL	X	Up Relief	BL6729
	PL	G	Pylle Hill Goods	PYLLE
BL2145	M	T	Down Through	BL2161
	M	D	Down Main	BL2163
	M	U	Up Main	BL2165
BL2143	M	T	Down Through	BL2161
	M	D	Down Main	BL2163
BL2141	M	T	Down Through	BL2161
	M	D	Down Main	BL2163
BL2163	M	Nil	Down Main	BL2169
	M	Pos.4	Up Main	BL2171
BL2161	PL	W	West Carriage Washing Siding	BL6731
	PL	C	West Carriage Line	BL6733
	M	Nil	Down Main	BL2169
	M	Pos.4	Up Main	BL2171
BL2177	M	Nil	Down Main	BL2179
	PL	S	South Liberty Siding	SLS D
	M	Pos.4	Down Portbury	BL2191
BL6743	PL	Nil	South Liberty Siding	SLS D
	PL	Nil	Down Portbury	BL2191

### Ashton Junction – Parson Street Junction

#### UP DIRECTION

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2190	M	R	Up Relief	BL2176
	M	M	Up Main	BL2174

### Narrowways Hill Junction – Shirehampton Station

#### UP DIRECTION

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL1852	M	1	Up Avonmouth	BL1848
	M	2	Down Avonmouth	BL1850

### Bristol East Junction – Feeder Bridge Junction

#### UP DIRECTION

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL1980	M	Nil	Up Main	BL1970
	M	Pos.4	Down Main	BL1948
	PL	E	East Depot Siding	BL6650
BL1982	M	Pos.1	Up Main	BL1970
	M	Nil	Down main	BL1948
	PL	E	East Depot Siding	BL6650
	M	Pos.4	Bristol Goods Avoiding Line	PM326
	PL	DS	Down SPM Shed	PM632
BL6654	PL	Nil	Up Main	BL1970
	PL	Nil	East Depot Sidings	BL6650
	PL	Nil	Bristol Goods Avoiding Line	PM326
	PL	Nil	Down SPM Shed	PM632
BL6650	PL	Nil	East Depot Goods Loop	BL6646
	PL	Nil	East Depot Siding	EDSG

### Feeder Bridge Junction – Bristol East Junction

#### DOWN DIRECTION

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL6647	PL	Nil	East Depot Siding	BL6649
	PL	Nil	East Depot Goods Loop	BL1973
BL1973	PL	Nil	East Depot Spur 1	EDS1
	M	Nil	Down Main	BL1981
	PL	DM	Down Main	BL6653
	M	Pos.4	Up Main	BL1983
	M	Pos.5	Up Bristol Loop	BL2054
	M	Nil	Down Main	BL1981
BL1975	PL	DM	Down Main	BL6653
	M	Pos.4	Up Main	BL1983
	M	Pos.5	Up Bristol Loop	BL2054
BL1977	PL	Nil	Down Main	BL6653
	M	Pos.1	Down Main	BL1981
	M	Nil	Up Main	BL1983
	M	Pos.4	Up Bristol loop	BL2054
BL6649	PL	Nil	East Depot Spur 2	EDS2
	PL	Nil	East Depot Spur 1	EDS1
	PL	Nil	Down Main	BL6653
	PL	Nil	Up Main	BL1983
	PL	Nil	Up Bristol Loop	BL2054
BL6653	PL	Nil	Kingsland Road Siding	KRSG
	PL	Nil	Down Main	BL1981

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**Dr. Day's Junction – Feeder Bridge Junction****DOWN DIRECTION**

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2055	M	Nil	Up Main	BL1970
	M	Pos.4	Down Main	BL1948
	PL	E	East Depot Siding	BL6650
BL2057	M	Nil	Up Main	BL1970
	M	Pos.1	Down Main	BL1948
	PL	E	East Depot Siding	BL6650
	M	Pos.4	Bristol Goods Avoding Line	PM326
	PL	DS	Down SPM Shed	PM632

**St. Phillips Marsh Depot – North Somerset Junction****DOWN DIRECTION**

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
BL2066	M	M	Down Main	BL1981
	PL	Nil	Down Main	BL6653
	M	L	Up Bristol Loop	BL2054
BL2068	M	M	Down Main	BL1981
	PL	Nil	Down Main	BL6653
	M	L	Up Bristol Loop	BL2054



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