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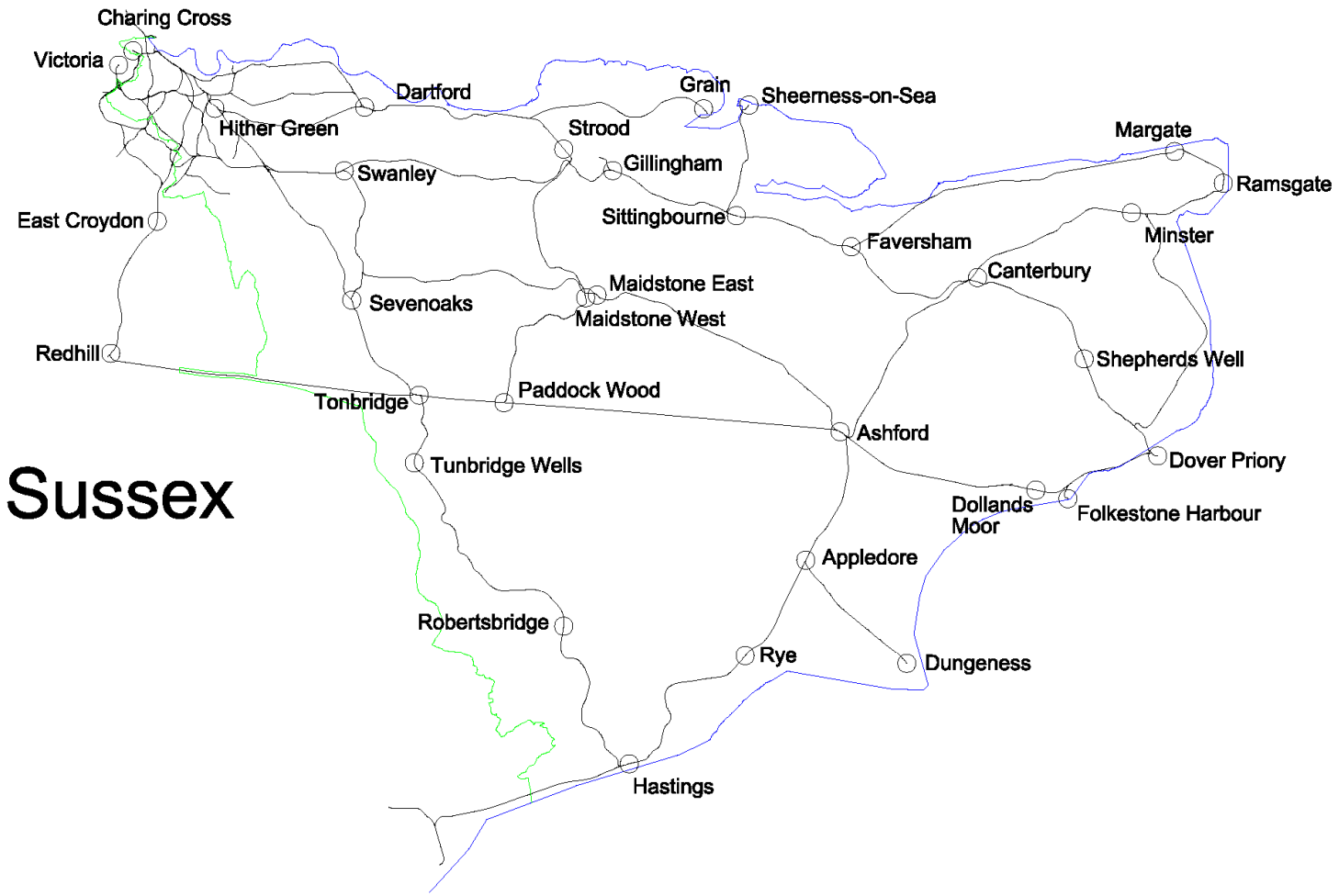
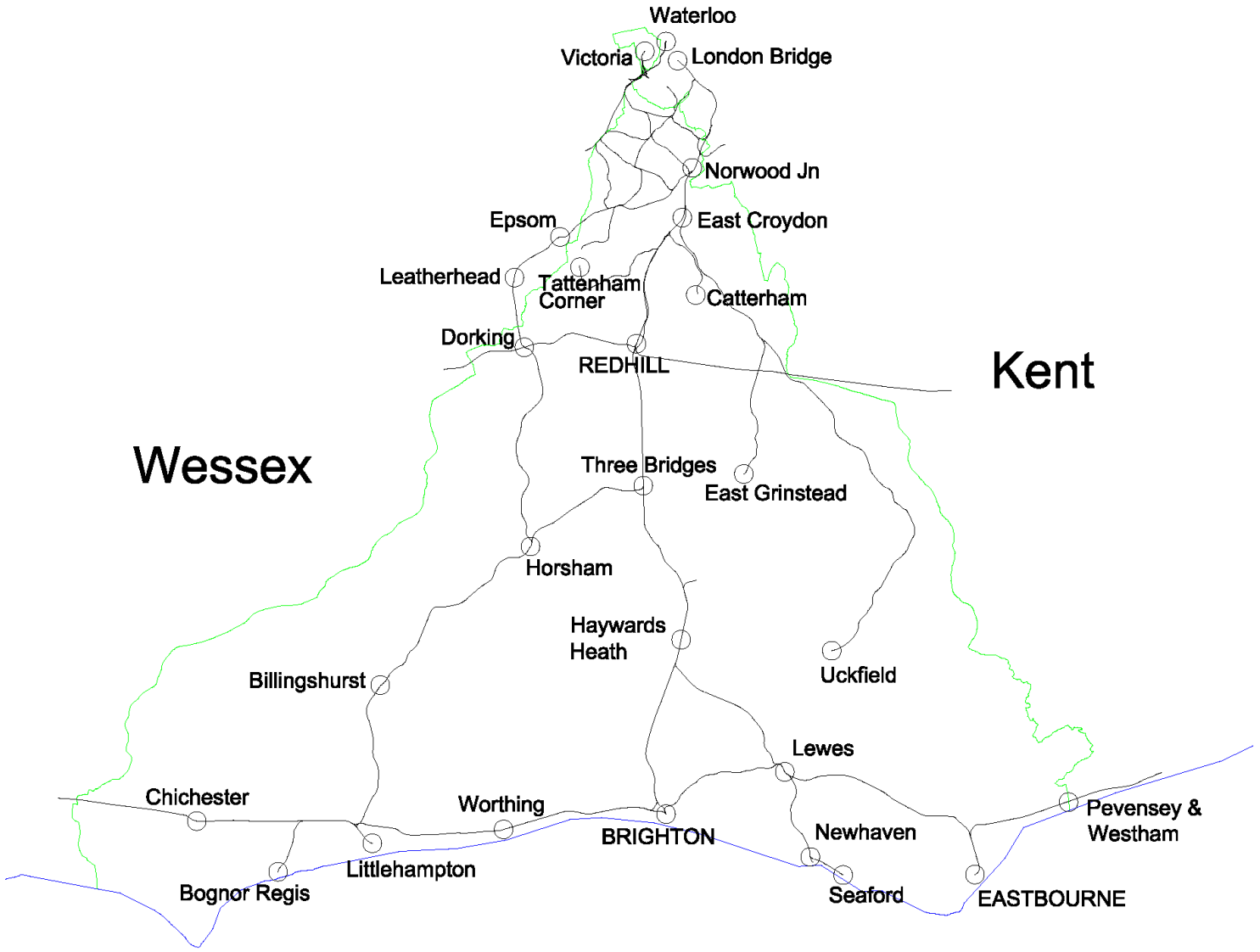
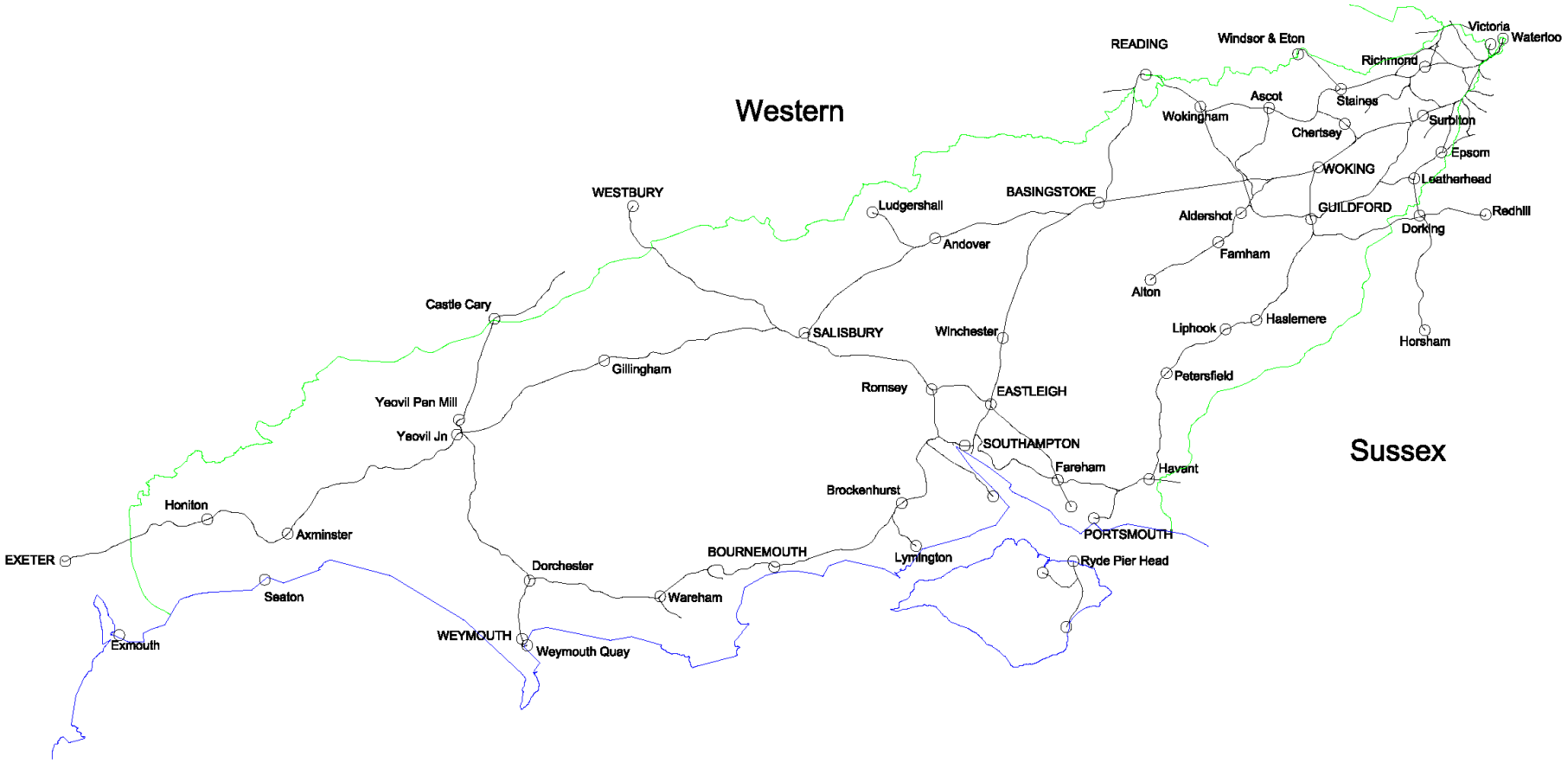


Sussex Route Map



Wessex Route Map



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Using GSM-R berth triggered messages and non-verbal acknowledgements to caution Drivers

It is now authorised to use to caution Drivers via operational safety messages for 4 scenarios using a GSM-R berth-triggered broadcast, with the Driver confirming receipt and acknowledging a clear understanding of the broadcast by using the GSM-R 'ST' acknowledgement button. ***All*** GSM-R Fitted Units in the area will receive these Broadcasts. The berth triggered safety broadcasts process can be used for live events for the four scenarios listed:

Poor railhead conditions.

Animals on the line.

Defective Emergency Indicators.

Wheel Impact Load Detector Activations.

Unusual events (Not Track or Signalling).

Drivers of services *not* fitted with version 3.5 software may disregard the GSM-R berth triggered safety broadcast for,

Poor railhead conditions.

Animals on the line.

Defective Emergency Indicators.

Wheel Impact Load Detector Activations.

Unusual events (Not Track or Signalling).

The berth trigger broadcasts will be in the following areas

All Kent & Sussex (South East) Routes

Methodology

Signaller records the berth triggered safety broadcast to a set script and stores it on the system.

Signaller sets up the berth triggered safety broadcast at the appropriate signal berth.

Signaller will maintain the protecting signal at danger. This is the signal where the Signaller would stop and caution the train if the Signaller does not receive the acknowledgement.

The safety broadcast will be made automatically to each train occupying the designated berth(s).

The Driver acknowledges that the safety broadcast has been received and that it has been understood by pressing the ST Button.

The protecting signal is maintained at danger until the signaller has received an acknowledgement from the approaching train. The acknowledgement will be an 'Acknowledgement' (ACK) message from the Driver.

The protecting signal may be cleared when the Signaller receives the acknowledgement message.

If the acknowledgement message is not received by the Signaller the protecting signal remains at danger and the Driver obeys all signals as normal.

When the caution message is received and acknowledged by the Driver they will continue to obey all signals and apply the appropriate rule over the section of line.

Broadcast Message Content

Poor Railhead

'This is a safety broadcast from the signaller at _____. There are low/exceptionally poor* railhead conditions at/on* the approach to _____. Only acknowledge if you have fully understood this message. To acknowledge, press the ST Button. End of safety broadcast

**Delete as appropriate*

Animals on or near the line

'This is a safety broadcast from the signaller at _____. There are animals on or near the line at/between* _____ and* _____*. Only acknowledge if you have fully understood this message. To acknowledge, press the ST Button. End of safety broadcast

**Delete as appropriate*

Defective Emergency Indicators

'This is a safety broadcast from the signaller at _____. There is a defective emergency indicator for a __mph emergency speed restriction at _____. Only acknowledge if you have fully understood this message. To acknowledge, press the ST Button. End of safety broadcast

**Delete as appropriate*

Wheel Impact Load Detection

'This is a safety broadcast from the signaller at _____. There has been a wheel impact load detection alert for your train, continue at __mph and obey all signals. Only acknowledge if you have fully understood this message. To acknowledge, press the ST Button. End of safety broadcast

**Delete as appropriate*

Unusual events

'This is a safety broadcast from the signaller at _____. *_____. Only acknowledge if you have fully understood this message. To acknowledge, press the ST Button. End of safety broadcast

**Insert details of the incident, location and any speed restriction in the main body of the broadcast*

Note:

Unusual events and structure faults can include overcrowding on station platforms or loose canopy on stations platforms. These locations must be easily identifiable by both the signaller and the driver.

Trial using GSM-R to advise drivers of speed restrictions relating to Track Defects and Bridge Strikes between 23/06/2019 and 23/12/2019.

A trial is taking place to test additional scenarios for GSM-R Safety Broadcasts to pass safety critical information to Drivers with the Driver confirming receipt and acknowledging understanding by using the 'acknowledgement' button.

The trial involves *TOC/FOC* services only and will be for Track Defects and Bridge Strikes

The trial will be limited to the following areas only:

Oxted Signal Box – Upper Warlingham East Grinstead/Uckfield.

Three Bridges ROC – Lewisham to Hayes

& East Kent Signalling Centre - complete area.

Methodology

1. Signaller identifies the requirement to caution
2. Signaller decides whether cautioning using GSM-R is possible and the signals where the berth broadcast is to be triggered (these may be predefined for some trial scenarios covering static locations e.g. Bridges)
3. Signaller records the caution message to a set script and stores it on the system *(unless pre-recorded message exists)*
4. The message content shall contain full words and no abbreviations.
5. The message shall be recorded to the set scripts using the 'Safety' identifier.
6. The message shall make it clear that the message is complete.
7. The berth triggered broadcast will be active for a period of four hours and will need to be reset or a new message recorded to supersede it.
8. Only one berth broadcast can be recorded per signaller but the message can be triggered at separate signal berths on several lines.
9. Signaller sets up the berth triggered broadcast at the correct signal berth(s).

10. Signaller will maintain the protecting signal at danger with a reminder appliance applied. This is the signal where the Signaller would stop and caution the train under current conditions.
11. *Broadcast made automatically to each train occupying the designated berth(s) and is received by the Driver*
12. The Signaller shall monitor GSM-R to determine whether the message has failed and the failure code is displayed on the fixed terminal.
13. A failed message will have a 'can not be sent' message or 'failure' message on the fixed terminal.
14. *The message is broadcast automatically over the loud speaker in the Drivers cab*
15. *When the Driver is involved in another call the broadcast will be seen as a call waiting on the cab radio display. If the Driver terminates the call within 20 seconds the message will be broadcast over the loudspeaker.*
16. *The Driver acknowledges that the message has been received and that it has been understood by pressing the ST button on the radio head.*
17. The protecting signal is maintained at danger until the signaller has received an acknowledgement from the approaching train at a signal in rear of the signal being held at danger. The acknowledgement will be a 'acknowledge' message from the Driver.
18. The reminder appliance will be removed and the protecting signal cleared when the Signaller receives the acknowledgement before the signal being held at danger (see special instructions).
19. If the ST acknowledgement is not received or is received after the set location the signal remains at danger and the Driver obeys all signals as normal.
20. When the train has passed the protecting signal, the protecting signal is replaced to danger and the reminder appliance applied.
21. *When the caution message is received and acknowledged by the Driver they continue without stopping and obey the speed restriction and all signals.*

Message Content

Bridge Strike (Underline Bridge Only)

"This is a safety broadcast from the Signaller at_____. A Bridge Strike has occurred at _____ (Name/Location) you must proceed over this Bridge at no more than ___ mph. If understood, press the ST button."

Track Defects

"This is a safety broadcast from the Signaller at _____. Due to a track defect, a safety speed of __ mph has been imposed between (Name/Location) _____ and _____ (Name/Location). If understood, press the ST button."

Note: During the trial period all other caution on the move messages will end with the text "If understood, press the ST button."

Kent / Sussex Route GI - Dated: 24/02/2024

TS1 Issue 14 General Signalling Regulations and referenced in Handbooks; 6 - IWA, 7 - COSS and 20 – SWL - the Crossing the Line Procedure

Wessex Route

The use of Crossing The Line Procedure (CTLP) is authorised throughout Network Rail Kent, Sussex and Wessex Routes subject to the conditions shown below, and as shown in the following tables.

Only authorised staff may use CTLP

You have been briefed on the specific requirements for each location

The following locations are authorised for CTLP on the Wessex route:

Routes and Locations on which CTLP can be used (Subject to conditions as stated in Preamble)	**Remarks and unique reference number**
SW100 Waterloo to Clapham Junction	
Queenstown Road (Battersea)	CTLP - WX-CTL-QTRD – 2m,38ch
SW105 Clapham Junction to Weymouth	
Brockenhurst Country End	WX-CTL-BHCE - 93m 30ch
Hinton Admiral to Christchurch	WX-CTL-HINSUB – BML2 102m 10ch
Hinton Admiral to Christchurch	WX-CTL-SALRD – BML2 103m 09ch
Christchurch to Pokesdown	WX-CTL-IFORD – BML2 105m 02ch
Pokesdown to Bournemouth	WX-CTL-SOUTHRD – BML2 107m 07ch
Bournemouth London End	WX-CTL-BOLE – BML2 107m,55ch
Bournemouth Country End	WX-CTL-BOCE-166 – BML2 108m 49ch
Bournemouth Country End	WX-CTL-BOCE - BML2 108m,60ch
Bournemouth Country End	WX-CTL-GLENAVE – BML2 109m 33ch
Poole Station London End	WX-CTL-PSLE, BML2 - 113m 40ch
Poole Station Country End	WX-CTL-PSCE STERTE RD - BML2 114m 24ch
Pool Station Country End	WX-CTL-PSCE - BML2 114m, 40ch
Hamworthy to Holton Heath	WX-CTL-RVLE – BML2 116m 61ch
Hamworth to Holton Heath	WX-CTL-RVCE – BML2 116m 79ch
Holton Heath to Wareham	WX-CTL-WSLE - 120m, 40ch
Wareham Station	WX-CTL-WSCE, BML2 - 121m 02ch
Dorchester South Country End	WX-CTL-DSCE, BML3 - 162m 21ch
Bincombe Tunnel London End	WX-CTL-BTLE, BML3 - 164m 40ch
SW110 Woking Junction to Portsmouth Harbour	
Havant Station London End	WX-CTL-HSLE, WPH2 - 37m 34ch
SW120 Pirbright Junction To Alton	
Pirbright Junction to Ash Vale	WX-CLT-PBSS, PAA1 – 29m, 60ch
Pirbright Junction to Alton	WX-CTT-AVAS, PAA1 – 32M, 30ch
SW150 Redbridge to Sailsbury Tunel Junction	
East Grimstead GF	WX-CTL-EGGF-RTJ2 90m 13ch
SW170 Westbury to Wilton Junction	
Wilton North	WX-CTL-WILTN - SAL 131m 53ch
Wilton Junction to Warminster	WX-CTL-LLLC-SAL 126m 54ch
Wilton Junction to Warminster	WX-CTL-GTWSH-SAL 128m 18ch
SW175 Castle Cary to Dorchester Junction	
Yeovil Pen Mill	WX-CTL-YVCP – WEY 141m 34ch
SW205 Leatherhead to Effingham Junction	
Effingham Substation	WX-CTL-EJSS – LEJ 22m 09ch
SW220 Latchmere Junction to Kensington Olympia	
Sheepcote Lane	WX-CTL-SHCT - SCC 3m 35ch
SW260 Ascot to Ash Vale Junction	
Frimley TP Hut	WX-CTL-FTPH – AAV 37m 10ch

Kent / Sussex Route GI - Dated: 13/07/2024

Rule Book Module TS1 - General signalling regulations

Section 13, Clause 13.2 - IWA, COSS or PC blocking a line

Crossing the Line Procedure (CTLP)

Sussex Route

GE/RT8000/TS1 General Signalling Regulations, regulation 13.2, GE/RT8000/HB7 General Duties of a controller of site safety (COSS), regulation 3.1, GE/RT8000/HB6 General duties of an Individual Working Alone (IWA), regulation 3.1 and GE/RT8000/HB20 Duties of a Safe Work Leader (SWL) Working Outside a Possession, regulation 3.1.

The use of 'Crossing The Line Procedure (CTLP)' is authorised throughout the Network Rail Sussex Route.

Only authorised staff may use CTLP at each specific location and will have been briefed on conditions of use.

The following locations have been risk assessed and are authorised for CTLP on the Sussex Route.

Routes and Locations on which Crossing The Line Procedure can be used **(Subject to conditions as stated in Preamble)**	**Remarks** **And unique reference number**
SO500 Victoria to Brighton	
ELR: VTB1 Cottage Bridge at 9m 67ch / LBW 9m 46ch	SX-CTL-171
ELR: VTB2 East Croydon Platform 6 at 10m 19ch	SX-CTL-107
ELR: VTB2 East Croydon Platform 3 at 10m 34ch	SX-CTL-108
ELR: VTB2 Barclay Road Bridge at 10m 36ch	SX-CTL-109
ELR: VTB3 Ouse Valley Viaduct 35m 20ch	SX-CTL-005
ELR: VTB3 Burgess Hill T372 signal at 41m 60ch	SX-CTL-166
ELR: VTB3 Burgess Hill TP Hut at 42m 30ch	SX-CTL-160
ELR: VTB3 between Burgess Hill and Hassocks at 42m 70ch	SX-CTL-161
ELR: VTB3 Pangdean Substation at 46m 31ch	SX-CTL-056
ELR: VTB3 Patcham RRV at 47m 39ch	SX-CTL-064
SO510 London Bridge to Epsom Downs	
ELR: BJN1 Norwood Jn Substation at 8m 5ch	SX-CTL-129
ELR: LBW between Norwood Jn Station and Gloucester Road Jn at 9m 17ch	SX-CTL-103
SO520 Three Bridges to Portsmouth Harbour	
ELR: TBH2 Barnham FTN at 22m 56ch	SX-CTL-138
ELR: TBH2 Bosham at 31m 49ch	SX-CTL-029
SO530 South Croydon to East Grinstead	
ELR: SCU1 Oxted M25 at 19m 25ch	SX-CTL-174
ELR: SCU1 Chalkpit Lane at 19m 38ch	SX-CTL-115
ELR: HGG1 between Hurst Green and Lingfield at 22m 48ch	SX-CTL-098
ELR: HGG1 between Hurst Green and Lingfield at 25m 19ch	SX-CTL-099
ELR: HGG1 between Dormans and East Grinstead at 28m 31ch	SX-CTL-169

ELR: HGG1 between Dormans and East Grinstead at 29m 7ch	SX-CTL-100
SO540 Hurst Green Jn to Uckfield	
ELR: SCU1 between Hurst Green Jn and Edenbridge at 22m 44ch	SX-CTL-179
ELR: SCU1 Edenbridge at 25m 25ch	SX-CTL-181
ELR: SCU1 between Cowden and Ashurst at 30m 18ch	SX-CTL-180
ELR: SCU1 between Eridge and Crowborough at 36m 65ch	SX-CTL-070
ELR: SCU1 between Eridge and Crowborough at 37m 52ch	SX-CTL-073
SO590 Keymer Jn. to Eastbourne	
ELR: KJE3 between Eastbourne and Hampden Park at 22m 49ch	SX-CTL-077
ELR: KJE3 between Eastbourne and Hampden Park at 22m 59ch	SX-CTL-078
ELR: KJE1 between Cooksbridge and Lewes at 48m 40ch	SX-CTL-167
ELR: KJE1 between Cooksbridge and Lewes at 49m 50ch	SX-CTL-164
SO620 Brighton to Seaford	
ELR: STS between Southerham Jn and Southease at 52m 29ch	SX-CTL-095
SO630 Brighton to Littlehampton	
ELR: BLI1 between Southwick and Shoreham-by-Sea at 5m 147yds	SX-CTL-004
ELR: BLI1 between Angmering and Arundel Junction at 18m 52ch	SX-CTL-006
ELR: BLI1 between Angmering and Arundel Junction at 18m 65ch	SX-CTL-011
SO640 Barnham to Bognor Regis	
ELR: BBR between Bognor Regis Station and Barnham at 25m 32ch	SX-CTL-003
SO660 Purley to Caterham/Tattenham Corner	
ELR: TAT Reedham Station at 15m 67ch	SX-CTL-119
ELR: TAT Coulsdon Town at 16m 52ch	SX-CTL-170
ELR: TAT Kingswood Station at 20m 74ch	SX-CTL-173
SW220 Latchmere Junction to Kensington Olympia	
ELR: WLL Latchmere No.1 Junction TP Hut at 0m 57ch	SX-CTL-128
ELR: SCU1 Edenbridge at 25m 25ch	SX-CTL-181

Kent / Sussex Route GI - Dated: 06/03/2022

Rule Book Module G1 - General safety responsibilities

Using a signal post replacement switch

Signal post replacement switches may be used to place or maintain an automatic or semi-automatic signal at danger in the following circumstances:-

22. In order to afford protection to a line which has become unsafe, in accordance with the Rule Book, Module G1.

23. As specified in the Rule Book, Modules TS1 / 13 – Safety of personnel, T3 and HB8.

24. To protect a crossover being used in connection with single line working.

25. In connection with a signal/track circuit failure.

Except in the case of item 1, the Signaller's permission must be obtained before the switch is turned to 'Red'.

In all cases the Signaller must be advised immediately the switch has been turned to 'Red' and an assurance given that the signal is at danger.

The Signaller's permission must be obtained before a switch is restored to 'Auto'.

The Signaller must make an entry in the train register on each occasion that a switch is operated.

Persons authorised to use the keys for signal post replacement switches must be trained and certified competent in their use.

In circumstances where a track circuit is continually alternating between occupied and clear and it is not possible to establish that a signal is displaying a proceed aspect before the signal is keyed to danger, provided that the signal is not being utilised for protection purposes, i.e. staff are not working under T2 Line Blockage protection arrangements, there is not requirement to establish that the signal is displaying a proceed aspect before operating the Signal Post Replacement Switch.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/09/22

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Rule Book Module M3 – Managing incidents, floods and snow

Section 5 - Snow

Snow clearance – general

Snow clearance duties may be undertaken by diesel locomotives (normally classes 33, 37 and 60) fitted with miniature snow ploughs subject to the restrictions shown in the route availability tables of this appendix.

Drift ploughs

All drift ploughs have triangular configuration of lamp brackets in accordance with gauging requirements. Two white lights must be displayed at the front of the leading plough (but during ploughing these may be removed if they are likely to become damaged or displaced).

Miniature snow ploughs operating on electrified lines

Class 60 diesel locomotives must have the plough set and locked in the raised position.

All other locomotive classes must have the outer blades of the plough set in the highest position and clearance between the blades and the running rails must **not be** less than 6” (152mm).

Additional instructions for Beilhack PB 600 ploughs

The snow blower is permitted to run over all running lines on the Network Rail Kent, Sussex and Wessex Routes EXCEPT the following:-

1. Bickley Jn and St Mary Cray Jn (slow lines)
2. Canterbury Road Jn and Shortlands Jn via Catford
3. Clapham Jn Station (up loop line)
4. Clapham Jn Station (exclusive) and Point Pleasant Jn
5. Farringdon Jn and Blackfriars
6. Folkestone East and Folkestone Harbour
7. Waterloo and West London Jn (all lines)
8. Wimbledon and Byfleet Jn (up slow line)

Section 6 - Independent snow ploughs

Side flaps, spade plates and skids

The person in charge of work on railway infrastructure is responsible for allowing the spade plates or retractable flaps (or both) to be lowered or brought into the operative position when required and accompany the ploughs at all times to identify any location(s) where this equipment must be retracted.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 07/07/12

1

Rule Book Module P2 - Working single and bi-directional lines by pilot

Section 1 - Circumstances

Kent Route

Should there be a failure of a track circuit or signal on the lines indicated between the undermentioned locations and the Signaller is able to obtain a 'direction of traffic flow' indication for the direction concerned, Working by Pilot need not be introduced but the Signaller must advise the Driver of the circumstances and instruct them to pass the signal at danger and, if necessary, to proceed cautiously over the affected portion of the line.

However if Working by Pilot has been introduced, it must not be withdrawn until after the failure has been rectified, or the service withdrawn. If it is necessary to run trains after the withdrawal of Pilotworking, and the original fault still exists, then Working by Pilot must be re-introduced for every train.

The Rule Book, Module P2, Section1 'Working of single lines by Pilot is modified accordingly.

Battersea Pier Jn and Voltaire Road Jn (Reversible)

Sevenoaks and Tonbridge (Up and Down)

Tonbridge and Paddock Wood (Up and Down)

Paddock Wood and Headcorn (Up and Down)

Headcorn and Ashford (Up and Down)

Swale and Queenborough

Queenborough and Sheerness-on-sea

Tonbridge and High Brooms (Single, through Somerhill Tunnel)

Wells Tunnel Junction and country end of Grove Hill Tunnel (Down and Up Hastings)

Country end of Grove Hill Tunnel and country end of Strawberry Hill Tunnel (Single)

Wadhurst and Stonegate (Single, through Wadhurst Tunnel)

New Beckenham and Beckenham Jn (Single)

Chislehurst Jn and St. Mary Cray Jn (Reversible)

Dartford Jn and Dartford station (Up Main, Down Main and Reversible)

These instructions do not apply at Mountfield Tunnel. Special instructions for this portion of line only are published in the local instructions relating to this line of route.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/09/2022

Rule Book Module P2 - Working single and bi-directional lines by pilotman

Section 1 - Circumstances

Sussex Route

Should there be a failure of a track circuit or signal on the lines indicated between the undermentioned locations and the Signaller is able to obtain a 'direction of traffic flow' indication for the direction concerned, Working by Pilotman need not be introduced but the Signaller must advise the Driver of the circumstances and instruct him to pass the signal at danger and, if necessary, to proceed cautiously over the affected portion of the line.

However if Working by Pilotman has been introduced, it must not be withdrawn until after the failure has been rectified, or the service withdrawn. If it is necessary to run trains after the withdrawal of Pilotworking, and the original fault still exists, then Working by Pilotman must be re-introduced for every train.

The Rule Book, Module P2, Section1 'Working of single lines by Pilotman is modified accordingly.

East Croydon and South Croydon (Slow Reversible)

East Croydon and Windmill Bridge Jn (Fast Reversible)

Hever Jn and Blackham Jn

Ashurst Jn and Crowborough Jn

Battersea Pier Jn and Longhedge Jn (Reversible)

Three Bridges and Haywards Heath (Up and Down)

Haywards Heath and Keymer Jn (Up and Down)

Keymer Jn and Preston Park (Up and Down)

Latchmere No.2 and Kensington Olympia (Up and Down)

Kensington and North Pole (Up and Down)

Birkbeck and Beckenham Jn (Single)

Sutton and Epsom Downs (Single)

South East (Kent, Sussex, Wessex) Territory GI - Dated: 03/05/16

Rule Book Module P2 - Working single and bi-directional lines by pilotman

Section 1 - Circumstances

Wessex Route

If there is a failure of a track circuit or signal on the lines shown below and the Signaller is able to obtain a 'direction of traffic flow' indication for the direction required, Working by Pilotman need not be introduced but the Signaller must tell the Driver about the circumstances and instruct the Driver to pass the signal at danger and, if necessary, to proceed at caution over the affected portion of the line.

If Working by Pilotman has been introduced it must not be withdrawn until the failure has been rectified, or the train service withdrawn. If it is necessary to run trains after the withdrawal of Working by Pilotman, and the original fault still exists, then Working by Pilotman must be re-introduced for every train.

The Rule Book, Module P2, Section1 'Working of single lines by Pilotman is modified accordingly.

Windsor Reversible

Up Windsor Reversible

Micheldever and Allbrook (Up and Down)

Allbrook and Eastleigh (Down Fast and Down Slow)

Northam Jn and Southampton Central (Reversible)

Southampton Central and Millbrook (Down Fast, Down Loop and Up Fast)

Redbridge and Totton (Down Main)

Seldown Junction – Poole Station (Up Main)

Poole Station - Sterte Road Junction (Up Main)

Wareham West Junction – Worgret Junction (Down Main)

Moreton and Dorchester South (Single)

Farnham and Bentley (Single)

Bentley and Alton (Single)

Eastleigh and Romsey (Single)

Eastleigh and Eastleigh South (Single)

Botley and Fareham (Single)

Northam Jn. and Canute Road (Single)

Totton and Marchwood (Single)

Point Pleasant Junction and East Putney

Battersea Pier Jn and Longhedge Jn (Reversible)

Clapham Jn and Latchmere Jn (Reversible)

Ash Vale Jn and Frimley (Single)

Victoria and Battersea Park (Brighton Reversible)

Fratton and Portsmouth & Southsea - Down Main (Reversible)

Fratton and Portsmouth & Southsea - Up and Down Fratton (Reversible)

Hampton Court Junction to Hampton Court

Down / Up Reading - Between BE547 / BE549 and Basingstoke Station (except Up Bay)

Tisbury – Gillingham

Gillingham – Templecombe

Templecombe – Yeovil Jn (Up)

Yeovil Jn – Chard

Chard – Axminster

Axminster West – Axminster East (Up & Down Reversible)

Axminster – Honiton

Twickenham – St. Margarets (Up Twickenham) (Will require RA)

South East (Kent, Sussex, Wessex) Territory GI - Dated: 21/08/2021

Rule Book Module P2 - Working single and bi-directional lines by pilotman

Section 7 - Modified working arrangements

(and Lines Controlled by the `No Signaller` Token with Remote Crossing Loops (NSTR) System (*Maiden Newton to Yeovil Pen Mill*) - Section 8 clause 8.4 – Special Authority Cards)

At the locations listed below, a train is allowed to pass through the single line section concerned without Woking by Pilotman being introduced in accordance with Rule Book Module P2 section 7 or the NSTR Signalling Regulations Section 8 clause 8.4, where a failure or disconnection of a track circuit, signalling equipment (including token equipment) or level crossing equipment has occurred.

NOTE: If more than two hours has elapsed since modified working was introduced, no further authorities may be granted for trains to pass over the single line under this procedure and pilot working shall be introduced

The modified working procedure may only be used once per incident.

Wessex Route

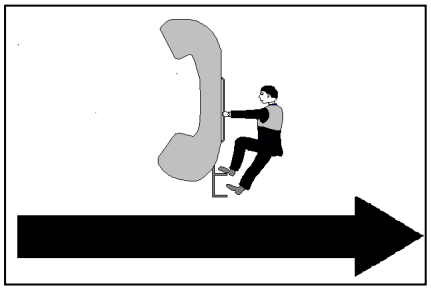
Line of Route	**SW115 Worting Junction to Exeter St. Davids**	
Between	**And**	**Remarks**
Wilton South	Tisbury	Tokenless Block
Tisbury	Gillingham	
Gillingham	Templecombe	
Templecombe	Yeovil Junction	Down Exeter Line prohibited Up Exeter Reversible line authorised by Network Rail Wessex Route On Call Manager
Yeovil Junction	Chard Junction	
Chard Junction	Axminster East Junction	
Axminster West Junction	Honiton	
Honiton	Pinhoe	Down direction prohibited Up direction authorised by Network Rail Wessex Route On Call Manager
Yeovil Junction	Yeovil Pen Mill	
Line of Route	**SW160 Brockenhurst to Lymington Pier**	
Between	**And**	**Remarks**
Brockenhurst	Lymington Pier	One Train Working between BH17 signal and Lymington Pier RT3177 form available at Brockenhurst station and BH17 signal
Line of Route	**SW175 Castle Cary to Dorchester Junction**	
Between	**And**	**Remarks**
Castle Cary	Yeovil Pen Mill	Prohibited in either direction
Yeovil Pen Mill	Maiden Newton	NSTR *Special Authority Cards* kept at Maiden Newton – Signaller will dictate the form to the driver and at Yeovil Pen Mill, the signaller will issue directly or dictate to the driver, as necessary.
Maiden Newton	Dorchester West	Tokenless Block

South East (Kent, Sussex, Wessex) Territory GI - Dated: 14/01/17

Rule Book Module S4 - Trains or shunting movements detained, or vehicles left, on running lines

Detention of trains on running lines - use of Signal Post Telephones

Certain signals are provided with a reflective sign which indicates to Drivers that they should alight from the right hand side of the driving cab to use the signal post telephone. The sign illustrates a Driver climbing down the back of a telephone handset, with a blue arrow below pointing to the right. The signs will normally be positioned adjacent to the signal prefix number plate, at signals where the telephone is located to the right of the line, to which the signal refers.



South East (Kent, Sussex, Wessex) Territory GI - Dated: 01/02/14

Rule Book Module S4 - Trains or shunting movements detained, or vehicles left, on running lines

Section 3 - Limited clearance at signal post telephones

Kent Route

Detention of trains on running lines – use of signal post telephones

Signals equipped with a white diamond sign with the letter 'T' have had the associated white flashing light disconnected. These signals have been provided with a sign (black cross on a white background)

Drivers must comply with the provisions of Section 5 when detained at these signals.

In connection with this Section, signals that have telephones restricted, or removed for use are shown below.

Between/Location	Line	Signal	Note
SO110 Victoria to Ramsgate (via Herne Hill and Chatham)			
Victoria	A Section	TVS23	Down Direction No phone provided
	B Section	TVS25	Down Direction No phone provided
	C Section	TVS27	No phone provided
Battersea Pier Jn and Victoria	Up Chatham Fast	TVS28	Down Direction No phone provided
Victoria and Battersea Pier Jn	Wall Siding	TVS556	No phone provided
	Up Chatham Fast	TVS32	No phone provided
	Down Chatham Slow	TVS33	No phone provided
	Down Chatham Slow	TVS37	No phone provided
Battersea Pier Jn	Up Chatham Fast	TVS38	No phone provided
	Chatham Reversible	TVS40	Up Direction
	Up Stewarts Lane	TVS42	
Battersea Pier Jn and Linford Street Jn	Up Chatham Fast	TVS56	Down Direction No phone provided
Linford Street Jn	Up Chatham Fast	TVS74	Up Direction No phone provided
Wandsworth Road	Up Chatham Fast	VS82	
	Down Chatham Fast	VS237	
	Up Chatham Fast	VS238	
St Mary Cray and Swanley	Up Chatham Slow	VS242	
	Down Chatham Fast	VS243	
	Down Chatham Fast	VS247	

Rochester Bridge Jn	Down Chatham	EK4035	No telephone provided
Rochester Bridge Jn	Up Chatham	EK4042	No telephone provided
Rochester	Up Chatham	EK4058	
Rochester	Down Chatham (Up direction)	EK4060	
Fort Pitt Tunnel	Down Chatham	EK4703	No telephone provided
Gillingham Tunnel	Up Chatham	EK4104	No telephone provided
Rainham and	Up Chatham	EK4168	
Newington	Down Chatham	EK4169	
	Up Chatham	EK4172	
	Down Chatham	EK4173	
	Up Chatham	EK4178	
	Down Chatham	EK4179	
	Up Chatham	EK4182	
	Down Chatham	EK4183	
SO130 Charing Cross/Cannon Street to /Dover Priory/Eurotunnel Interface (via Tonbridge)			
Charing Cross	Platform 5	TL9	
	Platform 6	TL11	
St Johns	Down Fast	L237	
	Down Slow	L239	
Parks Bridge Jn	Down Fast	L267	
	Down Fast	L271	
	Up Slow	L272	
	Up Slow	L278	
Parks Bridge Jn and Hither Green	Up Slow	L290	
	Down Fast	L293	
Hither Green and Lee Spur Jn	Departure Road	L300	
	Up Slow	L302	
Lee Spur Jn and Grove Park	Down Slow	L303	
	Down Fast	L305	
	Up Slow	L306	
	Up Fast	L308	
	Down Slow	L307	
	Down Fast	L309	
	Up Slow	L312	
	Down Slow	L313	
	Down Fast	L315	
	No. 3 Washer Road	L1312	
	No. 4 Washer Road	L1308	
Grove Park and Elmstead Woods	Up Slow	L322	
Elmstead Woods and Chislehurst	Up Slow	AD6	
	Up Slow	AD10	
	Down Fast	AD15	
Chislehurst and Petts Wood	Down Fast	AD29	
	Up Slow	AD30	
Petts Wood Jn and Petts Wood	Up Slow	AD34	

	Down Slow	AD37	
	Down Fast	AD39	
Petts Wood	Up Slow	AD42	
Petts Wood and Orpington	Up Slow	AD46	
	Down Fast	AD51	
Orpington	Down Fast	AD55	
Hildenborough and Tonbridge	Down Slow	AD132	Up direction
	Up Fast	AD134	
	Down Fast	AD141	
Tonbridge	Up Slow	AD143	
	Down Slow	AD139	
	Up Fast	AD150	
	Down Fast	AD157	
	Up Slow	AD143	
Tonbridge and Paddock Wood	Down Fast	AD160	Up direction
	Up Fast	AD162	
	Down Fast	AD165	
Paddock Wood	Down Main	AD186	Up direction
	Up Main	AD188	
	Down Main	AD199	
	Up Main	AD201	Down direction
Staplehurst and Headcorn	Down Main	AD605	
Headcorn	Down Main	AD608	Up direction
	Up Main	AD606	
	Down Main	AD613	
Pluckley and Ashford	Down Fast	AD655	Down direction
	Up Slow	AD659	Down direction
	Up Fast	AD660	Up direction
	Down Fast	AD662	Up direction
Ashford	Up Fast	AD668	Up direction
	Up Slow	AD666	Up Direction
	Down Fast	AD670	Up direction
	Down Fast	AD673	Down direction
	Up Fast	AD675	Down direction
	Up Fast	AD682	Up direction
	Down Fast	AD684	Up direction
	Down Slow	AD686	Up direction
	Down Fast	AD693	Down direction
	Up Fast	AD695	Down direction
	Up Main	AD704	Up direction
	Up Main	AD703	Down direction
	Up Slow	AD782	
	Up Canterbury	AD783	Down direction
	Up Canterbury	AD786	
	Up Slow	AD787	Down direction
	Down Canterbury	AD788	
	Up Slow	AD789	Down direction

SO140 Swanley to Ashford			
Maidstone East	Reversible	ME39	Up direction
	Reversible	ME23	Down direction
Hothfield	Down Maidstone	AD854	Up direction
	Maidstone Loop	AD856	Up direction
	Down Maidstone	AD853	Down direction
SO220 Ashford to Ramsgate (via Canterbury West)			
Ashford	Down Reception	AD878	Up direction
	Down Canterbury	AD876	Up direction
	Down Canterbury	AD873	Down direction
SO250 Battersea Pier Jn To Wembley			
Clapham Jn Station and Latchmere No 1 Jn	Up West London	TVC593	No phone provided
	Down West London	TVC595	Up Direction No phone provided
	Down West London	TVC147	Up Direction No phone provided
Sheepcote Curve	Up Sheepcote Lane	TVC639	Down Direction No phone provided
Latchmere No 1 Jn and Imperial Wharf Station	Down West London	TVC680	Up Direction No phone provided
	Down West London	TVC681	No phone provided
	Up West London	TVC683	Down Direction No phone provided
Imperial Wharf Station and West Brompton Station	Down West London	TVC685	No phone provided
	Up West London	TVC687	Down Direction No phone provided
	Down West London	TVC688	Up Direction No phone provided
	Up West London	TVC690	No phone provided
West Brompton station and Kensington Olympia	Down West London	TVC692	Up Direction No phone provided
	Down West London	TVC693	No phone provided
	Up West London	TVC694	No phone provided
Kensington Olympia Station	Down West London	TVC698	Up Direction No phone provided
	Down West London	TVC801	No phone provided
	Up West London	TVC803	Down Direction No phone provided

Shepherd Bush Station and Mitre Bridge Jn	Down West London	TVC809	No phone provided
	Up West London	TVC811	Down Direction No phone provided
	Down West London	TVC812	Up Direction No phone provided
	Up West London	TVC814	No phone provided
SO260 Brixton Jn to Shortlands Jn.			
Cambria Jn	Up Catford Loop	VS424	
Crofton Road Jn	Up Catford Loop	VS440	
Shepherds Lane Jn and Denmark Hill Tunnel	Down Atlantic	VS423	
Grove Tunnel and Crofton Road Jn	Up Atlantic	VS438	
	Down Atlantic	VS441	
Nunhead and Peckham Rye	Up Catford Loop	VS446	
Between Denmark Hill and Crofton Road Jn	Up Catford Loop	VS436	
SO290 North Kent East Jn to Dartford Jn (via Greenwich)			
and Deptford	Down North Kent	NK143	
SO300 Lewisham to Crayford Creek Jn (via Bexleyheath)			
Lewisham	Down North Kent	L445	No telephone provided
SO310 Hither Green to Maidstone West (via Dartford)			
Dartford Jn and Dartford	Reversible	NK495	Down direction
Dartford	Reversible	NK494	Up direction
Gravesend	Up North Kent	NK406	No telephone provided
Gravesend	Up North Kent	NK435	No telephone provided
Gravesend	Down North Kent	NK463	No telephone provided
Maidstone West	Up Main	MS10	

South East (Kent, Sussex, Wessex) Territory GI - Dated: 03/01/2023

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Rule Book Module S4 - Trains or shunting movements detained, or vehicles left, on running lines

Section 3 - Limited clearance at signal post telephones

Sussex Route

Detention of trains on running lines – use of signal post telephones

Signals equipped with a white diamond sign with the letter 'T' have had the associated white flashing light disconnected. These signals have been provided with a sign (black cross on a white background)

Drivers must comply with the provisions of Section 3 when detained at these signals.

In connection with this Section, signals that have telephones restricted or removed for use are shown below.

Between/Location	Line	Signal	Note
SO500 Victoria to Brighton			
Victoria and Battersea Pier Jn	Up Brighton Fast	TVC521	Down Direction No phone provided
	Down Brighton Fast	TVC523	No phone provided
	Up Brighton Slow	TVC525	Down Direction No phone provided
	Down Brighton Fast	TVC533	No phone provided
	Down Brighton Fast	TVC537	No phone provided
	Up Brighton Slow	TVC538	No phone provided
	Down Brighton Fast	TVC537	No phone provided
	Brighton Reversible	TVC539	Down Direction No phone provided
	Brighton Reversible	TVC540	Up Direction No phone provided
	Up Brighton Fast	TVC542	No phone provided
	Up Brighton Slow	TVC544	No phone provided
	Down Brighton Fast	TVC549	No phone provided
	Brighton Reversible	TVC547	Down Direction No phone provided
Battersea Park Jn	Brighton Reversible	TVC550	Up Direction No phone provided
	Up Brighton Fast	TVC552	No phone provided
Battersea Park Station	Down Brighton Fast	TVC557	No phone provided
	Down Brighton Slow	TVC559	No phone provided
Battersea Park and Pouparts Jn	Up Brighton Fast	TVC564	No phone provided

	Up Brighton Slow	TVC566	No phone provided
	Down Brighton Fast	TVC569	No phone provided
	Down Brighton Slow	TVC571	No phone provided
	Up Brighton Fast	TVC572	No phone provided
	Up Brighton Slow	TVC574	No phone provided
	Down Brighton Slow	TVC579	No phone provided
	Down Brighton Fast	TVC577	No phone provided
Pouparts Jn and Clapham Jn	Down Brighton Fast	TVC581	No phone provided
	Down Brighton Slow	TVC583	No phone provided
	Up Brighton Fast	TVC584	No phone provided
	Up Brighton Slow	TVC586	No phone provided
	Down Brighton Fast	TVC589	No phone provided
	Down Brighton Slow	TVC591	No phone provided
Clapham Jn and Wandsworth Common	Up Brighton Fast	TVC604	No phone provided
	Up Brighton Slow	TVC606	No phone provided
	Up Brighton Slow	TVC610	No phone provided
	Down Brighton Fast	TVC611	No phone provided
	Down Brighton Slow	TVC613	No phone provided
	Up Brighton Fast	TVC608	No phone provided
	Up Brighton Fast	TVC612	No phone provided
	Up Brighton Slow	TVC614	No phone provided
	Down Brighton Fast	TVC615	No phone provided
	Down Brighton Slow	TVC617	No phone provided
	Up Brighton Fast	TVC616	No phone provided
	Up Brighton Slow	TVC618	No phone provided
	Down Brighton Fast	TVC619	No phone provided
	Down Brighton Slow	TVC621	No phone provided
Wandsworth Common and Balham	Up Brighton Fast	TVC624	No phone provided
	Up Brighton Slow	TVC626	No phone provided
Wandsworth Common and Balham	Down Brighton Fast	TVC627	No phone provided
	Down Brighton Slow	TVC629	No phone provided

Balham and Streatham Common	Up Brighton Fast	TVC632	No phone provided
	Up Brighton Slow	TVC634	No phone provided
	Up Brighton Fast	TVC636	No phone provided
	Up Brighton Slow	TVC638	No phone provided
	Down Brighton Fast	TVC641	No phone provided
	Down Brighton Slow	TVC643	No phone provided
	Up Brighton Fast	TVC642	No phone provided
	Up Brighton Slow	TVC644	No phone provided
Streatham North Jn and Streatham Common	Up Brighton Fast	VC652	
	Down Fast	VC657	
Streatham Common and Norbury	Up Slow	VC668	
Windmill Bridge Jn	Fast Reversible	T92	Up direction
	Up Slow	T96	
Windmill Bridge Jn and East Croydon	Fast Reversible	T93	Down direction
	Down Fast	T95	
East Croydon	Fast Reversible	T114	Up direction
East Croydon and South Croydon	Up Slow	T126	
	Slow Reversible	T128	Up direction
	Up Slow	T134	
	Slow Reversible	T136	Up direction
	Down Fast	T127	
	Slow Reversible	T129	Down direction
South Croydon and Purley Oaks	Down Fast	T141	
	Down Fast	T145	
	Up Slow	T148	
	Up Slow	T154	
	Down Fast	T145	
	Up Slow	T158	
Purley Oaks and Purley	Up Slow	T164	
	Down Fast	T153	
	Up Slow	T166	
Purley and Stoats Nest Jn	Up Slow	T180	
Stoats Nest Jn	Down Fast	T171	
	Up Fast	T182	
	Down Redhill	T461	
Redhill	Up Redhill	T486	Up direction
	Down Redhill	T487	

Earlswood and Salfords	Down Slow	T211	
	Down Slow	T215	
	Up Fast	T214	
	Up Fast	T218	
	Up Fast	T222	
Salfords and Horley	Down Slow	T233	
	Up Fast	T236	
Gatwick Airport	Reversible Loop	T241	Down direction
Gatwick Airport and Tinsley Green	Up Fast	T256	
	Up Slow	T260	
	Up Loop	T262	
Tinsley Green and Three Bridges	Down Fast	T271	
Three Bridges	Up Fast	T282	
Three Bridges and Balcombe Tunnel Jn	Up Fast	T286	
	Down Slow	T293	
Copyhold Jn	Down Main	T333	Down direction
Copyhold Jn and Haywards Heath	Up Main	T332	
	Down Loop	T336	Up direction
	Down Main	T339	
	Up Loop	T343	Down direction
Haywards Heath	Down Loop	T345	Down direction
SO510 London Bridge to Epsom Downs			
New Cross Gate and Brockley	Down Fast	TL567	
Brockley	Up Fast	TL566	
	Up Fast	TL570	
	Down Fast	TL571	
Brockley and Honor Oak Park	Down Fast	TL575	
Honor Oak Park	Up Fast	TL578	
	Down Fast	TL579	
	Up Fast	TL582	
	Down Fast	TL583	
Honor Oak Park and Forest Hill	Down Fast	TL587	
Forest Hill	Up Fast	TL586	
	Down Fast	TL591	
Forest Hill and Sydenham	Up Fast	TL590	
	Down Fast	TL595	
	Up Fast	TL594	
	Up Slow	TL596	
Sydenham	Up Fast	TL598	
	Down Fast	TL599	
	Down Fast	TL603	

Sydenham and Penge West	Up Fast	TL602	
	Down Fast	TL607	
Penge West	Up Fast	TL606	
	Down Fast	TL611	
Anerley	Up Fast	TL610	
	Down Fast	T1	
	Up Fast	T2	
Anerley and Norwood Jn	Down Fast	T5	
	Up Fast	T6	
	Down Fast	T9	
Norwood Jn and Norwood Fork Jn	Up Fast	T20	
	Up Slow	T22	
SO520 Three Bridges to Portsmouth Harbour			
Havant	Down Main (Up direction)	HT500	No telephone provided
	Up Brighton	HT501	No telephone provided
	Up Main (Down direction)	HT503	No telephone provided
Fratton Station	Down Main (Up Direction)	HT264	Telephone provided on platform end - No telephone provided at signal
	Up and Down Fratton (Up Direction)	HT420	Telephone provided on platform end - No telephone provided at signal
Fratton Ground Frame	Back Road	No.23	No telephone provided
Fratton and Portsmouth & Southsea	Down Main (Down direction)	HT55	No telephone provided
	Down Main (Down direction)	HT59	No telephone provided
	Up Main (Up direction)	HT64	No telephone provided
	Up Main (Down direction)	HT261	No telephone provided
	Up Main (Down direction)	HT263	No telephone provided
	Down Main (Up direction)	HT266	No telephone provided
	Down Main (Up direction)	HT268	No telephone provided
	Down Main (Up direction)	HT270	No telephone provided

	Up and Down Fratton (Up direction)	HT422	No telephone provided
	Up and Down Fratton (Up direction)	HT424	No telephone provided
	Up and Down Fratton (Up direction)	HT426	No telephone provided
	Up and Down Fratton (Down direction)	HT427	No telephone provided
	Up and Down Fratton (Down direction)	HT429	No telephone provided
	Back Road (Down direction)	HT461	No telephone provided
	Back Road (Up direction)	HT552	No telephone provided
	Down Main (Up direction)	HT554	No telephone provided
	Down Main (Down direction)	HT571	No telephone provided
	Down Main (Up direction)	HT572	No telephone provided
	Up and Down Fratton (Down direction)	HT573	No telephone provided
	Up Main (Down direction)	HT575	No telephone provided
Portsmouth Harbour	Platform 4 line (Down direction)	HT495	No telephone provided
	Platform 1 line (Down direction)	HT499	No telephone provided
SO550 Redhill to Tonbridge			
Redhill	Up Tonbridge	T502	
	Down Tonbridge	T495	
Tonbridge	Down Godstone	AD525	Down Direction
SO590 Keymer Jn to Eastbourne			
Polegate and Berwick	Up Eastbourne	TEB1360	
Hampden Park and Polegate	Up Eastbourne	TEB1374	
Polegate and Hampden Park	Down Eastbourne	TEB1379	
SO600 Willingdon Jn to Ashford			
Willingdon Jn and Pevensey & Westham	Down Bexhill	TEB1415	
Willingdon Jn and Pevensey & Westham	Down Bexhill	TEB1417	
Normans Bay and Pevensey Bay	Up Bexhill	TEB1426	
SO645 Battersea Park to Peckham Rye			
Stewarts Lane	Up Stewarts Lane	VS60	
Denmark Hill	Down Atlantic	VS429	
Shepherds Lane	Down Atlantic	VS107	

Rule Book Module S4 - Trains or shunting movements detained, or vehicles left, on running lines

Section 3 - Limited clearance at signal post telephones

Wessex Route

Detention of trains on running lines – use of signal post telephones

Signals equipped with a white diamond sign with the letter 'T' have had the associated white flashing light disconnected. These signals have been provided with a sign (black cross on a white background)

Drivers must comply with the provisions of Section 5 when detained at these signals.

In connection with this Section, signals that have telephones restricted for use are shown below.

Between/Location	Line	Signal	Note
SW100 Waterloo to Clapham Junction			
Waterloo	Up Main Slow	W2	
	Up Main Fast	W4	
	Up Main Relief	W6	Up direction
	Up Windsor	W10	Up direction
Waterloo and International Jn	Windsor Reversible	W49	Down direction
Waterloo West Crossings	Up Windsor	W53	
	Down Windsor	W55	
	Up Windsor	W57	Down direction
	Up Main Relief	W59	Down direction
Carlisle Lane Jn	Up Main Slow	W14	
	Up Main Fast	W16	
	Up Windsor	W22	
Carlisle Lane Jn and Vauxhall	Down Windsor Slow	W61	
	Down Main Slow	W63	
	Down Main Fast	W65	
	Down Main Fast	W75	
	Windsor Reversible	W913	Down Direction
	Down Windsor Fast	W67	
	Up Windsor	W32	
	Up Main Fast	W34	
	Down Windsor Slow	W77	
	Down Windsor Fast	W79	
	Windsor Reversible	W917	Down Direction
Vauxhall	Up Windsor	W44	
Vauxhall and Nine Elms	Up Main Slow	W50	
	Up Main Fast	W52	
	Up Windsor	W54	
Nine Elms Jn	Up Main Slow	W60	
	Up Main Fast	W62	
	Up Windsor	W64	
	Down Main Fast	W93	
	Down Windsor Slow	W97	
	Down Windsor Fast	W99	
	Windsor Reversible	W923	Down direction

Between/Location	Line	Signal	Note
Nine Elms Jn and Queenstown Road	Up Main Slow	W70	
	Up Main Fast	W72	
	Up Windsor Line	W76	
	Down Main Fast	W103	
	Down Windsor	W107	
	Up Windsor	W109	Down direction
	Up Main Slow	W80	
	Up Main Fast	W82	
Queenstown Road and West London Jn	Up Windsor	W96	
	Up Main Fast	W92	
	Down Main Fast	W123	
	Down Windsor Slow	W127	
	Down Windsor Fast	W129	
West London Jn	Up Main Slow	W102	
Nine Elms Jn	Up Main Fast	W104	
West London Jn and Clapham Jn	Down Windsor Fast	W133	
	Up Windsor Fast	W116	
	Up Main Slow	W110	
	Down Main Slow	W137	
	Down Main Fast	W139	
Clapham Jn	Down Windsor Slow	W141	
	Down Windsor Fast	W143	
	Down Main Fast	W153	
Clapham Yard	Sidings	W1040	(or CY2)
Clapham Yard	Sidings	CY16	
Clapham Yard	Sidings	CY17	
SW105 Clapham Junction to Weymouth			
Clapham Jn	Down Ludgate	W145	
Clapham Jn and Earlsfield	Up Slow	W106	
	Up Main Slow	W140	
	Down Fast	W173	
Earlsfield	Up Slow	W150	
Earlsfield and Wimbledon	Up Slow	W156	
	Up Fast	W160	
	Up Slow	W162	
	Down Slow	W187	
	Down Fast	W189	
	Up Siding No.1	W1135	
Eastleigh	Up Fast	E87	No telephone provided
Wimbledon	No.1 Reception Road	W1135	
Wimbledon West Jn	Up Fast	W170	Up Direction
	Down Fast	W203	
	Up Fast	W174	
Wimbledon West Jn and Raynes Park	Up Fast	W180	
	Down Fast	W209	
	Down Fast	W213	
Raynes Park	Up Fast	W186	
	Down Fast	W217	

Between/Location	Line	Signal	Note
Raynes Park and New Malden	Up Fast	W192	
	Up Fast	W200	
	Down Fast	W223	
New Malden	Down Fast	W227	
New Malden and Berrylands	Up Fast	W220	
	Up Slow	W222	
	Down Fast	WK323	
	Down Fast	WK325	
	Up Fast	W228	
Berrylands	Up Slow	W234	
	Up Fast	W232	
Berrylands and Surbiton	Up Fast	W236	
	Down Fast	WK327	
Surbiton	Down Fast	WK331	
Surbiton and Hampton Court Jn	Down Slow	WK131	
	Down Fast	WK333	
	Down Fast	WK335	
	Up Fast	WK332	
	Up Fast	WK334	
Hampton Court Jn	Up Fast	WK336	
Esher	Up Fast	WK338	
Esher and Hersham	Up Fast	WK340	
	Up Fast	WK342	
	Up Fast	WK344	
	Down Fast	WK343	
Hersham	Down Fast	WK345	
Hersham and Walton on Thames	Up Fast	WK346	
	Down Fast	WK347	
	Up Fast	WK348	
Walton on Thames and Weybridge	Up Fast	WK350	
	Down Fast	WK349	
	Down Fast	WK351	
	Down Fast	WK353	
	Up Fast	WK352	
	Up Fast	WK354	
Weybridge	Down Fast	WK355	
	Up Fast	WK356	
	Up Fast	WK358	
Weybridge and Byfleet and New Haw	Down Fast	WK357	
West Byfleet	Down Fast	WK361	
Byfleet and New Haw	Down Fast	WK359	
	Up Fast	WK360	
Byfleet and New Haw and West Byfleet	Up Fast	WK362	
West Byfleet	Up Fast	WK364	

Between/Location	Line	Signal	Note
West Byfleet and Woking	Up Fast	WK366	
	Up Fast	WK368	
	Up Fast	WK370	
	Down Fast	WK365	
	Down Fast	WK367	
	Down Fast	WK369	
Woking	Down Slow	WK608	Up direction
	Down Fast	WK506	Up direction
	Up Fast	WK374	Up direction
	Up Slow	WK172	Up direction
	Down Fast	WK365	
	Down Fast	WK367	
	Down Fast	WK369	
Woking and Woking Jn	Up Fast	WK507	Down direction
	Down Fast	WK375	Down direction
Woking Jn	Up Fast	WK376	
Woking Jn and Brookwood	Down Fast	WK379	
Brookwood	Up Fast	WK386	
	Down Fast	WK391	
Brookwood and Pirbright Jn	Up Fast	WK390	
Pirbright Jn and Farnborough	Down Fast	WK399	
	Up Fast	BE354	
	Down Fast	BE355	
Farnborough and Fleet	Up Fast	BE360	
	Down Fast	BE361	
	Up Fast	BE362	
	Down Fast	BE365	
	Up Fast	BE366	
	Down Fast	BE367	
	Down Fast	BE369	
	Up Fast	BE370	
Fleet and Winchfield	Up Fast	BE372	
	Down Fast	BE373	
	Up Fast	BE374	
	Down Fast	BE375	
	Up Fast	BE376	
	Down Fast	BE377	
Winchfield	Up Fast	BE378	
	Down Fast	BE379	
	Up Fast	BE384	
Winchfield and Hook	Down Fast	BE385	
	Up Fast	BE386	
	Down Fast	BE387	
Hook and Basingstoke	Up Fast	BE390	
	Down Fast	BE391	
	Up Fast	BE392	
	Down Fast	BE393	
	Up Fast	BE396	

Between/Location	Line	Signal	Note
Basingstoke	Up Fast	BE420	
	Up Slow	BE172	
Basingstoke and Worting Jn	Down Fast	BE423	
	Up Fast	BE426	
	Up Fast	WA283	
	Down Fast	YW46	
Worting Jn	Down Exeter Main	WA308	
Shawford and Allbrook	Up fast	EH154	Up direction
	Down Fast	EH159	Down direction
Allbrook	Down Slow	E77	Up direction
Allbrook and Eastleigh	Up Fast	E103	
	Down Fast	E28	Down direction
Eastleigh	Portsmouth Loop	E34	Down direction
	Down Slow	E36	Down direction
	Up Fast	E91	
	Down Fast	E38	
St Denys and Mount Pleasant	Up Fast	E704	
Mount Pleasant Crossing (London side)	Down Fast	E709	
Mount Pleasant Crossing (country side)	Up Fast	E708	
Mount Pleasant and Northam Jn	Down Slow	E711	
	Down Fast	E713	
Southampton Central and Millbrook	Down Fast	E740	Up direction
	Up Slow	E744	
	Up Fast	E746	Up direction
	Down Fast	E745	Down direction
	Down Slow	E747	
	Up Fast	E751	Down direction
Millbrook and Redbridge	Down Main	E773	
SW110 Woking Junction to Portsmouth Harbour			
Havant	Down Main (Up direction)	HT500	No telephone provided
	Up Brighton (Down direction)	HT501	No telephone provided
	Up Main (Down direction)	HT503	No telephone provided
Fratton Station	Down Main (Up direction)	HT264	Telephone provided on platform end - No telephone provided at signal
Fratton Ground Frame	Back Road	No.23	Up direction

Between/Location	Line	Signal	Note
Fratton and Portsmouth & Southsea	Down Main (Down direction)	T55	No telephone provided
	Down Main (Down direction)	T59	No telephone provided
	Up Main (Down direction)	T64	No telephone provided
	Up Main (Down direction)	HT261	No telephone provided
	Up Main (Down direction)	T263	No telephone provided
	Down Main (Up direction)	T266	No telephone provided
	Down Main (Up direction)	T268	No telephone provided
	Down Main (Up direction)	T270	No telephone provided
	Up and Down Fratton (Up direction)	T422	No telephone provided
	Up and Down Fratton (Up direction)	T424	No telephone provided
	Up and Down Fratton (Up direction)	T426	No telephone provided
	Up and Down Fratton (Down direction)	T427	No telephone provided
	Up and Down Fratton (Down direction)	T429	No telephone provided
	Back Road (Down direction)	T461	No telephone provided
	Back Road (Up direction)	T552	No telephone provided
	Down Main (Up direction)	T554	No telephone provided
	Down Main (Down direction)	T571	No telephone provided
	Down Main (Up direction)	HT572	No telephone provided
	Up and Down Fratton (Down direction)	T573	No telephone provided
	Up Main (Down direction)	T575	No telephone provided
Portsmouth Harbour	Platform 4 Line (Down direction)	T495	No telephone provided
	Platform 1 Line (Down direction)	T499	No telephone provided
SW155 Totton to Fawley (Goods Line)			
Totton	Fawley Branch	E782	Up direction
SW160 Brockenhurst to Lymington Pier			
Brockenhurst	Lymington Branch	BH16	Up direction
SW210 Clapham Junction to Reading			
Clapham Jn and Wandsworth Town	Up Windsor Fast Down Windsor Fast	W310 W315	

Between/Location	Line	Signal	Note
Point Pleasant Jn	Up Windsor Fast	W322	
Point Pleasant Jn and Putney	Down Windsor Fast	W325	
	Up Windsor Fast	W330	
Putney and Barnes	Up Windsor Fast	W512	
	Up Windsor Fast	W516	
	Down Windsor Fast	W517	
	Down Windsor Fast	W521	
Staines (London side)	Down Main	F253	
	Up Main	F252	
SW125 Southcote Junction to Basingstoke			
Bramley and Basingstoke	Up Reading	BE549	
SW225 Point Pleasant Junction to Wimbledon			
Point Pleasant Jn	Putney Reversible	W350	Up direction
Wimbledon	Down Putney	W375	

South East (Kent, Sussex, Wessex) Territory GI - Dated: 21/11/14

Rule Book Module S5 - Passing a signal at danger

Stop signals located in tunnels

In the case of signals controlling the entrance to tunnels the nearest telephone in working order must be used to obtain the Signaller's Instructions. The Driver must have a clear understanding with the Signaller to whom he speaks regarding the line on which the train is standing and the prefix letters and number or the title of the signal at which it is detained. The train must not enter the tunnel until permission is given by the Signaller.

The following instructions must be observed in connection with stop signals located in tunnels as set out below:-

1. A telephone is provided at each signal at a level convenient for use without the Driver alighting from the cab. A duplicate telephone is provided at ground level. If the Driver cannot communicate with the Signaller by means of the telephone at cab level, they must use the telephone at ground level.
2. If instructed to pass a signal at danger in accordance with Rule Book Module S5 Part A, the Driver must give one long blast on the warning horn, then proceed with extreme caution, at a speed not exceeding 10 m.p.h. prepared to stop short of any obstruction and sounding the warning horn frequently.
3. The train must be brought to a stand at the first signal beyond the tunnel, whatever the aspect displayed by that signal and the Driver, or other member of train crew must telephone the Signaller and inform them that the train has arrived complete and the line is clear.
4. With reference to the Rule Book, Module M2, the person carrying out protection in the rear of a disabled train which is standing ahead of a signal in the tunnel need not proceed back beyond this signal provided it is at danger and they are able to telephone the Signaller from there. Three detonators must be placed on the obstructed line at the signal. In these circumstances the Rule Book Module M2, Section 3.1a) is modified and an assisting train may be allowed to enter the tunnel. This train may have reached or be approaching the signal in the tunnel before the person carrying out protection arrives there and he must be prepared accordingly.

Location of stop signals in tunnels

Tunnel	Line(s) concerned
Balcombe	Down and Up
Blackheath	Down and Up
Chislehurst	Down Fast and Down Slow
Clayton	Down and Up
Crystal Palace	Down and Up
Dover Harbour	Up
Fort Pitt	Down
Gillingham (Kent)	Up
Higham*	Up
Merstham	Down and Up
Penge	Down and Up
Polhill	Down and Up
Quarry	Down and Up
Sevenoaks	Down and Up
Strood*	Down and Up

* Telephone provided at ground level only

South East (Kent, Sussex, Wessex) Territory GI - Dated: 04/08/12

Rule Book Module S7 - Observing and obeying signalling indications. Train warning systems. Reporting signalling failures and irregularities.

Section 1, Clause 1.6 - Train stopped or nearly stopped at a signal at danger

Clearing of stop signals

The Signallers at the under mentioned signal boxes have special authority to clear the stop signals shown before an approaching train is close to such signal - see the Rule Book, Module S7, Section 1.6.

Signal box	Signal(s)
Deal	Down home (applicable only to trains booked to stop)
Hastings	Down Ore Home number 77 (applicable only to trains booked to stop).

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/17

Rule Book Handbook RS/521 – Signals, handsignals, indicators and signs

Section 7.5 - Permissible speed indicators with letters

This is what the letters mean:

Letters	Description
HST	Class 91 locomotive with mark 4 vehicles and DVT, classes 158, 159, 168, 170, 171, 172, 175, 180, 220, 221, 222, 253, 254 and 373
MU	Multiple Unit Trains
DMU	Diesel Multiple Units
EMU	Electrical Multiple Units
SP	Classes 150, 153, 155, 156, 158, 159, 165, 166, 168, 170 , 171 and 172
CS	Class 67 locomotive

At locations where more than one speed indicator is displayed, classes listed in more than one speed category shown above, may run at the higher of the speeds displayed.

National exceptions to MU trains

- Class 185 trains are not permitted to run at MU or DMU speeds
- Class 390 trains are not permitted to run at MU or EMU speeds
- Class 253 and 254 trains formed with less than three coaches between the power cars are not permitted to run at MU or DMU speeds

National GI - Dated: 07/12/13

Rule Book Module SP - Speeds : Emergency speed restriction

Section 4 - Emergency Speed Restrictions (ESR) - How emergency speed restrictions are set up

If an emergency speed restriction (ESR) is imposed and before the speed restriction equipment has been set up, the signaller will tell the driver of a train to pass over the ESR the actual speed limit that has been imposed by the engineer.

It will no longer be necessary for the drivers of all trains to proceed at no more than 20 mph prior to the erection of the speed restriction equipment but drivers must travel over the restriction at no more than the speed given by the signaller.

This also means that only trains which would normally be running at a speed higher than the ESR to be imposed will need to be cautioned by the signaller. For example, if an ESR of 60 mph is imposed, it will not be necessary to stop and advise the drivers of trains classes 6, 7 or 8.

National GI - Dated: 07/06/14

Rule Book Module SS1 - Station duties and train dispatch

Sections 3.1, 3.2, 3.4, 3.5, 3.7, 3.9, 3.11 and 3.12

Changes to train dispatch procedures at certain South West Railway stations

In conjunction with Rule Book Module SS1, Sections 6.3 and 7.2 - 7.3, there will be a change to procedure for dispatching trains from certain stations where station staff are provided to dispatch trains.

The Person In Charge of the platform at the following locations, will give the 'Station Duties Complete' handsignal (and repeat handsignal for power door stock) by means of an illuminated dispatch bat, held steadily above the head, with the illumination facing the Guard. The illuminated dispatch bat will be used day and night and in all weather conditions.

The illuminated dispatch bat will be used at the following locations:-

Ascot (Plat. 1's & 2)
Basingstoke
Bournemouth
Brockenhurst
Clapham Junction
Eastleigh
Fareham
Farnham
Fratton
Godalming
Guildford (Platforms 6 & 7 **Only**)
Portsmouth & Southsea (Platforms 1 & 2 **Only**)
Portsmouth Harbour
Poole
Richmond (SWT Platforms 1 & 2)
Southampton Apt Parkway
Southampton Central
Surbiton
Twickenham
Vauxhall
Waterloo
Weymouth
Winchester
Woking

D.O.O. Non Passenger (ECS):

The illuminated dispatch bat will only be displayed to Drivers working D.O.O. (NP) trains formed of power door stock to indicate 'close doors'. A green handsignal (flag/lamp) or RA indicator (where provided) will continue to be used to indicate 'Ready to Start' to the Driver of all D.O.O. (NP) trains.

Defective Dispatch Bat:

In the event the Illuminated Train Dispatch bat is defective, the following temporary method of train dispatch will be used until such time an illuminated dispatch bat is available.

- The Person In Charge of the platform will wear a High Visibility Vest, and use a non-illuminated dispatch bat (with the white side facing the Guard) or a white light as appropriate to the time of day / weather conditions

Failure of train starting bell/buzzers, relaying of guards 'ready to start' signal to driver:

In the event the Person in charge of the platform is required to relay the Guards 'Ready to Start' signal to the Driver due to the failure of the starting bell/buzzers, (as required by the Rule Book), a green handsignal (flag/lamp) will be displayed to the Driver. If a 'RA' indicator is provided, this will be used. The illuminated dispatch bat will not be used for this purpose.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/17

Rule Book Module HB8 - IWA, COSS or PC blocking a line

Rule Book Module HB21 Safe Work Leader (SWL) blocking a line

Kent & Sussex Route Infrastructure

It is permitted for a train to be stabled in a platform line when blocking the line as shown in Rule Book Modules **HB8 IWA, COSS or PC blocking a line** and **HB21 Safe Work Leader (SWL) blocking a line**.

The arrangements shall only apply at the following locations:

- On platform lines at terminal stations located on Kent & Sussex Routes,
- On dead end bay lines at through stations located on Kent & Sussex Routes, including London Blackfriars and London Bridge
- On the running lines shown in **Berthing of trains – Sussex Route or Berthing of trains – Kent Route** as shown in the electronic and hard copies of the Sectional Appendix.

Kent & Sussex Route GI - Dated: 14/09/2021

Rule Book Module HB8 - IWA, COSS or PC blocking a line Rule Book Module HB21 Safe work leader (SWL) blocking a line

Section 2.4 - Using a track circuit operating device

Kent Route

The use of an approved Track Circuit Operating Device (T-COD) is authorised throughout Network Rail Kent, Sussex and Wessex Routes subject to the general conditions below and as shown in the following tables.

Note: If a section of route or location is not shown in the left hand column, T-COD must not be used.

Only the following T-CODs are currently approved for use on Network Rail Kent, Sussex and Wessex Routes. The COSS must state the type of T-COD to be used.

Certificate of Acceptance Number PA05/361

Type SAFE 7265 for Bullhead rails

Type SAFE 7239 for flatbottom rails

Manufacturer: Safetrack Baavhammer AB (May be identified as “TRACK WARNING”, ‘SAFETRACK SAFE’ or ‘TRACK’

Certificate of Acceptance Number PA05/365

Type CE59/BH - for Bullhead rails

Type CE59/FB - for flatbottom rails

Manufacturer: P&B Weir Electrical.

Track Circuit Operating Devices:-

- **may only** be used by a person trained and certified competent in the use of the T-COD to be applied.
- **may only** be used in areas where signals are controlled or maintained by the operation of track circuits.
- **must not** be used on a track circuit affected by track circuit failures, broken rail or negative bonding defects or repairs.
- **must not** be used on the approach to an OD, AHB ABCL or AOCL crossing
- **must not** be applied between the signal protecting a CCTV or MCB crossing and the level crossing.
- **must not** be applied in “fourth” rail electrified areas.
- **must not** be applied where check or guard rails exist.
- **must not** be applied where Yellow conductor rail shrouding is fitted.

Cautionary Notes:

- Applying a T-COD near points may inhibit the use of some signalled routes which were not affected by the work.
- Applying a T-COD on a section of line that becomes part of an overlap track circuit may inhibit the use of some signalled routes which were not affected by the work.
- Applying a T-COD in an area where TOWS is fitted will prompt a continuous warning from the TOWS equipment.

If the application of a T-COD would actuate the annunciator for a level crossing, this must first be disconnected by the Technician.

Routes and Locations on which T-COD can be used (Subject to conditions as stated in Preamble)	**Remarks (Locations/Sections where T-COD cannot be used)**
SO110 Victoria to Ramsgate (via Herne Hill and Chatham)	
Chislehurst Jn to St Mary Cray Jn (Chatham Reversible)	NIL
St. Mary Cray Jn to Chislehurst (Up Chatham loop)	NIL
Bickley Jn to Petts Wood Jn (Tonbridge)	NIL

Longfield – Faversham	Down Chatham – EK4001 (Down Chatham)/EK4703 (Down North Kent) to EK4325 Up Chatham – EK4326 to VS274
Faversham – Ramsgate	Down Chatham – EK5051 to EK5143 Up Chatham – EK5152 to EK5064
SO130 Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	
Charing Cross to Dover Priory/Eurotunnel Interface (via Tonbridge)	All lines – Charing Cross to Lucas Street Tunnels inclusive. Emergency Point and Route Release and PoSA Area All Lines London Side of Hither green Station to London side of Chiselhurst tunnels
Cannon Street to Borough Market Jn	NIL
Metropolitan Jn to Cannon Street	SSN Track Circuit on Metropolitan Reversible Emergency Point and Route Release and PoSA Area
Parks Bridge Jn to Ladywell (Ladywell Loop)	NIL
Chislehurst Jn to St. Mary Cray Jn (Chatham Reversible)	NIL
St. Mary Cray Jn. to Chislehurst (Up Chatham loop)	NIL
Bickley Jn to Petts Wood Jn (Tonbridge)	NIL
SO140 Swanley to Ashford (via Maidstone East)	
Swanley to Ashford (via Maidstone East)	NIL
Otford Jn to Sevenoaks	NIL
SO150 Sittingbourne (Eastern Jn) to Sheerness-on-Sea.	
Sittingbourne Eastern Jn to Sheerness-on-Sea	Down Sheppey – Eastern Jn to Middle Jn Up Sheppey – EK4234 to Eastern Jn Sheppey Single – EV811 to EV812
Sittingbourne Western Jn to Middle Jn	All Lines
SO160 Shepherds Well to Dover Priory	
Faversham to Dover Priory	Up - EK4470 to EK4354 Dn - EK4343 to YE35
SO170 Tonbridge to Bo Peep Jn	
Stonegate to Etchingham	Up - RB436 to RB434 Dn - RB427 to Etchingham level crossing (inclusive)
Robertsbridge	Up - RB2 to Robertsbridge level crossing (inclusive) Dn - RB18 to Robertsbridge level crossing (inclusive)
Robertsbridge - Battle	Up - RB5 to RB6 Dn - RB16 to BJ437
Battle	Up - BJ444 to Marley Lane level crossing (inclusive) Dn - BJ437 to Marley Lane level crossing (inclusive)
SO220 Ashford to Ramsgate (via Canterbury West)	
Ashford to Wye	NIL
Minster	Up - EBE64 to EBE63 Dn - EBE4 to EBE5
Minster to Ramsgate	Up - EK4968 to EBE66 Dn - EBE7/EBE10 to EK4981
SO230 Folkestone East to Folkestone Harbour	
Folkestone East to Folkestone Harbour	Up -Folkestone Harbour to Folly Road crossing (inclusive) Dn - YE79 YE90 YE91 YE92 to Folkestone Harbour

SO240 Buckland Jn to Minster East Jn	
Martin Mill to Walmer	Up - EBZ7 to Cold Blow crossing (inclusive) Dn - EBZ84 to Cold Blow crossing (inclusive)
SO250 Battersea Pier Jn to Wembley	
Stewarts Lane to Latchmere Jn	NIL
Clapham Jn (Platforms 16 & 17) to Latchmere Jn	NIL
Latchmere Jn To Mitre Bridge Jn	NIL
Factory Jn to Clapham Jn (W)	NIL
Longhedge Jn to Pouparts Jn	NIL
SO260 Brixton to Shortlands Jn	
Brixton to Shortlands Jn	NIL
SO280 Farringdon to Herne Hill	
Farringdon to Herne Hill	South of Elephant & Castle Up Holborn Slow TVS1288 & Up Holborn Fast TVS1094 to TVS1044 at Farringdon Station. On the approach to Farringdon Station Down line TVS1045 to TVS1095 Down Holborn Slow & TVS1289 Down Holborn Fast. Including ALL Routes/Lines from Ewer Street Junction/Metropolitan Junction to Blackfriars Junction inclusive. Emergency Point and Route Release and PoSA Area.
Loughborough Jn to Cambria Jn	NIL
Loughborough Jn. to Canterbury Road Jn.	NIL
SO290 North Kent East Jn to Dartford Jn (via Greenwich)	
Perry Street Fork Jn to Slade Green	NIL
Crayford Spur A Jn to Crayford Spur B Jn	NIL
SO300 Lewisham to Crayford Creek Jn (via Bexleyheath)	
Perry Street Fork Jn to Slade Green	NIL
SO310 Hither Green to Rochester Bridge Jn (via Dartford)	
Crayford Spur A Jn to Crayford Spur B Jn	NIL
SO330 Nunhead To Hayes	
Nunhead to Hayes	NIL
Parks Bridge Jn to Ladywell (Ladywell Loop)	NIL
New Beckenham to Beckenham Jn	NIL

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Battersea Pier Jn to Peckham Rye (via Stewarts Lane and Atlantic lines)	NIL
Battersea Park Jn to Factory Jn	NIL
Herne Hill to Tulse Hill	NIL
SO650 Balham Jn to Beckenham Jn	
Balham to Beckenham Jn	NIL
Leigham Jn to Tulse Hill	NIL
Tulse Hill to West Norwood	NIL
Bromley Jn to Norwood Jn	NIL
SO660 Purley to Caterham/Tattenham Corner	
Whyteleafe	Up - T566 to Whyteleafe level crossing (inclusive) Dn - T565 to Whyteleafe South level crossing (inclusive)
Purley to Tattenham Cormer	NIL
SO680 South Bermondsey Jn to Horsham	
Leigham Jn to Tulse Hill	NIL
Herne Hill to Tulse Hill	NIL
Tulse Hill to West Norwood	NIL
Mitcham to Streatham	Up - VC796 to Streatham Dn - VC795 Streatham to Eastfields level crossing (inclusive)
Ashstead	Up - W476 to Ashtead level crossing (inclusive) Dn - W475 to Ashtead level crossing (inclusive)
SO700 Streatham South Jn to Sutton (via Wimbledon)	
Streatham South Jn to Sutton (via Wimbledon)	Down St Helier – Streatham South Jn to VC825 Up St Helier – TVC824 to Streatham South Jn

Kent / Sussex Route GI - Dated: 30/03/2022

Rule Book Module TS1 – General Signalling Regulations

Section 13, Clause 13.2 – IWA, COSS/SWL or PC blocking a line

Section 13,2,4 - TCOD

Handbook 8 – IWA, COSS or PC blocking a line

Section 2, Clause 2.4 – Using a track circuit operating device

Wessex Route

The use of an approved Track Circuit Operating Device (T-COD) is authorised throughout Network Rail Kent, Sussex and Wessex Routes subject to the conditions shown below, and as shown in the following tables.

Note: If a section of route or location is not shown in the left hand column and it does not show it as prohibited ion the righthand column, a T-COD must not be used.

Only the following T-CODs are currently approved for use on Network Rail Kent, Sussex and Wessex Routes.

- TCOD Bullhead rail (SAFE 7265) 0057/052991
- TCOD Flat bottom rail (SAFE 7239) 0057/052992
- Manufacturer: Safetrack Baavhammer AB (May be identified as “TRACK WARNING”, ‘SAFETRACK SAFE’ or ‘TRACK’)
- Remote Tcods and their location for use are detailed within the standard NR/L3/OPS/009
- The type ZKL-3000 T-COD manufactured by Duel Inventive Cat No – 0057/052973 in authorised for use
- The type ZKL 3000 RC T-COD manufactured by Duel Inventive Cat No – 057/052993, serial PA05/03898 may only be used I non-DC-electrified areas.

The following must be noted and understood before using a manual Tcod:

- **must not** be used on a track circuit affected by track circuit failures, broken rail or negative bonding defects or repairs
- **must not** be used on a line equipped with axle counters
- **must not** be used where permissive working applies, (as indicated by the ‘remarks’ PP, PP-A, PP-S, PP-C and PF in Table A of this publication),
- **must not** be used on the approach to an OD, AHBC, ABCL or AOCL level crossing
- **must not** be applied between the signal protecting a CCTV or MCB level crossing and the level crossing itself
- **must not** be applied in “fourth” rail electrified areas
- **must not** be applied where check or guard rails are provided
- **must not** be used where there are single rail track circuits on third rail DC lines (identified by a yellow plastic cover on the underside of the rail)
- **must not** be used where track circuits in sidings are present
- **must not** be used on a Tokenless Block line
- **may only** be used by a person trained and certified competent in the use of the T-COD to be applied
- **may only** be used in areas where signals are controlled or maintained by the operation of track circuits

Cautionary Notes:

- Applying a T-COD near points may inhibit the use of some signalled routes which are not affected by the work
- Applying a T-COD on a section of line that becomes part of an overlap track circuit may inhibit the use of some signalled routes which are not affected by the work
- Applying a T-COD in an area where TOWS is fitted will prompt a continuous warning from the TOWS warning equipment
- T-COD’s must be applied either on the approach to the worksite or within the first signal section of the worksite itself. The presence of converging routes must be considered when planning protection by T-COD.

Locations/Sections on which T-COD CAN be used	Remarks (to include any locations / sections where T-COD cannot be used in addition to those in GE/RT8000)
SW100 Waterloo to Clapham Junction	
Waterloo to Clapham Jn	NIL
Nine Elms Jn to Linford Street Jn	NIL
West London Jn to Latchmere Jn	NIL
Clapham Jn (W) to Latchmere Jn	NIL
SW105 Clapham Junction to Weymouth	
Clapham Junction - New Malden	
Dn Main Slow - W155 - W231	
Dn Main Fast - W157 - W233	
Berrylands - Clapham Junction	
Up Main Slow - W234 - W132	
Up Main Fast - W232 - W130	
New Malden Junction	W237 - BEF2419
	W212 - c/o Malden (Elm Road) level crossing (inclusive)
Addlestone Jn to Byfleet Jn	
New Malden - Woking	
Down Slow - WK121 - WK167	
Down Fast - WK323 - WK369	
Up Slow - WK170 - WK126	WK156 - WK154
Up Fast - WK372 / WK508 - WK328	
	Woking station limits
	All sidings
Woking - Basingstoke	
Down Slow - WK173 - 2523b points	
Down Fast - WK375 - 2521 points	
Up Slow - BE158 - WK174	
Up Fast - BE410 - WK376	
	Basingstoke station limits
	East Bay platform 5
	All sidings
Dn Slow / Dn Southampton - BE165 - BE189	
Dn Fast / Dn Exeter - BE411 - BE435	
Up Southampton/Up Slow - BE188 - B172	
Up Exeter / Up Fast - BE434 - BE420	
Worting Junction / Micheldever / Wallers Ash / Winchester / Shawford / Eastleigh / Southampton Airport Parkway / St Denys	
All Lines - EH111 - E26 / E28	Eastleigh Station Limits
Dn Main / Dn Fast E34 / E36 / E38 - E707 / E709	Dn - E707 / E709 / E909 / E911 to Mount Pleasant level crossing (inclusive)
Dn Slow - E705/E703 - E707	
Dn Slow / Dn Fast/ Dn Main / Up Main reversible - c/o Mount Pleasant level crossing - E731 / E733	Southampton Station limits
Dn Fast / Dn Slow/Down main E745 / E747- E787	Bay sidings west/Down Loop/Down Loop ext/Up Docks/Maritime back road - E925 - E755
Dn Main - c/o Totton level crossing - BH366	Dn - E787 / PL981 to Totton level crossing (inclusive)

Totton	Dn - E787 / E981 to Totton level crossing (inclusive)
	Totton Yard - Loop
	Redbridge Goods 550 points - E779
Up Main - E365 - E784	Up Goods Loop
Up Main / Up Slow / Up Fast - c/o Totton level crossing - E744 / E746	Up - E784 / E782 / E780 to Totton level crossing (inclusive)
Up Main reversible / Up Slow / Up Fast: Southampton London end- E710 / E708	E710 / E708 - Mount Pleasant level crossing (inclusive)
Up Slow / Up Fast / Up main - c/o Mount Pleasant level crossing - E85 / E87	Eastleigh Station Limits
All Lines c/o 437 dia - EH110	All sidings
Totton - Brockenhurst - New Milton	Brockenhurst Station Limits
Dn - E793 - BH3	Dn - BH3 - BH11/BH13
DPL - BH13 - BH17	New Milton / Bournemouth/ Poole/Hamworthy/Wareham/ Wool/ Morton
Dn - BH11/BH13 -BH370	Dn - BH370 -DR165
Dn - DR165 - DR193	All sidings
Up - BH373 - BH4/BH6	Up - BH4 BH6 to Brockenhurst level crossing (inclusive)
Up - 112a points - E784	Up - DR168 - BH373
Up - DR192 - DR168	Weymouth Station Limits
	All sidings
	DR193 - Buffers stops
	Buffer stops - DR192
SW110 Woking Junction to Portsmouth Harbour	
Woking Junction / Worplesdon	NIL
Up main - GD820 - WK802	
Dn main - WK803 - GD821	
Guildford Station	Platform 1 Buffer stops - GD754 (CEB,CEA). Platform 2 GD763 - GDGD3113pts (CJF,CJE,CJD). Platform 3 GD767 - GD748 (CTA,CTC,). Platform 4 GD825 - GD636 (CDP,CDM). Platform 5 GD639 - GD822 (CUJ,CUL). Platform 6 GD922 - GD933 (CWG,CWE). Platform 7 GD922 - GD933 (CWG,CWE).
Guildford to Milford	Up - WZ208 to WZ204 Up - WZ24 to Farncombe East level crossing (inclusive) Dn - WZ5 to Farncombe MCB level crossing (inclusive) Dn - WZ203 to EW207
Milford to Liphook	Up - EW5 - EW214 Dn - EW46 - EW221
Liphook to Petersfield	Up - PF242 to EW228 Dn - PF229 to Petersfield level crossing (inclusive)
Petersfield to Portsmouth Harbour - Nil	Up – Portsmouth Harbour buffer stops to PF242 - All lines Dn – HT1 to Portsmouth Harbour buffer stops - All lines
Havant - Nil	Up & Dn Hove and Havant level crossing (inclusive)
Farlington Jn. to Cosham Jn.	Up & Dn - Farlington Jn to Cosham Jn
SW115 Worting Junction to Exeter St Davids	
Grately - Salisbury	
Dn Main - BE435 to SY43	Ludgershall Branch

Up Main - SY40 to BE434	2702b points – OMOD depot boundary
Laverstock North Jn to Laverstock South Jn	
	Salisbury station limits:
	- Up Main SY52 to SY40
	- Dn Main SY43 to SY53
	All sidings
	Quidhampton sidings
Wilton Junction:	
Dn Main/Dn Exeter - SY55 to SY57	
Up Exeter/Up Main - SY58 to SY54	Exeter Main:
	- SY57 to SE4677 at Gillingham
Gillingham Station:	
Gillingham Down Loop - SE4677 to SE4681 /SE4683	
Up Exeter - SE4680 to SE4672	
	Exeter Main - SE4681 / SE4683 - SE4689 (Distant)
Templecombe	
Exeter Main - SE4689 (Distant) - SE4691	Dn Exeter - SE4691 - SE4717
	Up Exeter - SE4710 - 2808 points (inclusive)
	Yeovil Junction Station Limits:
	- Dn Exeter - SE4717 to SE4737
	- Up Exeter - SE4732 to SE4710
	- Single - 2811 points to 26 points at Yeovil Pen Mill
	Yeovil Junction Down Sidings 1 & 2
	Exeter Main - SE4737 / SE4739 - Chard level crossing (inclusive)
Chard Junction:	
Up Exeter - SE4678 to SE4670	
Dn Exeter - SE4762 to SE4773	
	Exeter Main - SE4773 / SE4777 - SE4803
Axminster Loop:	
Dn Exeter - SE4783 - SE4789	Dn Exeter - SE4789 - c/o Axminster level crossing (inclusive)
Dn Exeter - c/o Axminster level crossing - 2826 points	
Up Exeter SE4794 - SE4788	Up Exeter - SE4788 - c/o Axminster level crossing (inclusive)
Up Exeter - c/o Axminster level crossing - SE2825 points	
	Exeter Main - SE4803 - SE4794
Axminster Loop:	
Dn Exeter - SE4783 - SE4789	Dn Exeter - SE4789 - c/o Axminster level crossing (inclusive)
Dn Exeter - c/o Axminster level crossing - 2826 points	
Up Exeter SE4794 - SE4788	Up Exeter - SE4788 - c/o Axminster level crossing (inclusive)
Up Exeter - c/o Axminster level crossing - SE2825 points	
	Exeter Main - SE4803 - SE4794
Honiton Station:	
Honiton Up Loop - SE4808 to SE4800	
Down Exeter - SE4803 to SE4807 *	*BLOCKS BACK TO AXMINSTER WEST
	Exeter Main - 2834 points- Pinhoe (inclusive)

SW120 Pirbright Jn To Alton	
Pirbright Jn to Alton	Aldershot station limits
Down Alton - c/o WK2261 points - WK429	WK441 - WK443 (Farnham Level Crossing)
Down Alton - WK433 - WK441	
Down Alton - WK443 - WK457	
	Alton station limits
Up Alton - WK454 / WK456 - WK438	WK438 / WK436 - WK432 (Farnham Level Crossing) A pre-installed, remote controlled T-COD e.g ZKL, is authorised on DZJ track circuit only.
Up Alton - WK432 - WK428	WK428 - WK420
Up Alton - WK420 - WK954	c
Aldershot South Jn to Aldershot North Jn	
Down Ash Branch - WK421 - WK2311 points	
Up Ash Branch - c/o WK2310 points - GD960	
SW125 Southcote Junction to Basingstoke	
Basingstoke - Reading	Bramley Level Crossing
Up Reading - BE549 - BE528	Up – BE528 – BE522
Up Reading - BE522 - BE502	
Dn Reading - BE501 - BE525	Dn – BE525 – BE531
Dn Reading - BE531 - BE547	
SW130 Eastleigh to Romsey	
Dn Salisbury - c/o 442 points - E97	
Up Salisbury - c/o 427 points - c/o 437 dia	Salisbury Single - 427 points - 585 points
SW135 Eastleigh to Fareham	
Portsmouth Single / Down Portsmouth - c/o 464 points - E829	Portsmouth Single - 480a points - 597b points
Up Portsmouth / Portsmouth single - E828 - E83	Dn Portsmouth - E829 - 480b points
	Up Portsmouth - 480a points - E828
SW140 St Denys to Portcreek Junction	
	Fareham Bay platform
Dn Netley - c/o Adelaide Level Crossing - E811	Dn Portsmouth - E825 - Portcreek Junction (inclusive)
Up Netley - c/o 594 points - E800	Portcreek Junction - E810 inclusive
SW145 Northam Junction to Canute Road	
Nil	Northam Jn - Eastern docks (inclusive)
SW150 Redbridge to Salisbury Tunnel Junction	
Up Dean - SY40 to SY6	Up Dean - SY6 - c/o Kimbridge level crossing
Dn Dean - c/o Dean level crossing - SY37	Dn Dean - E885 - Dean level crossing (inclusive)
Dn Test Valley - c/o 567 dia - E867	**Romsey Station Limits**
Up Salisbury c/o Kimbridge level crossing - E888	Down Salisbury - E881-E883
Up Test Valley / Up Salisbury - E884 - E882 / E862	
SW155 Totton to Fawley (Goods Line)	
Nil	Totton West Junction - Fawley (inclusive)
SW160 Brockenhurst to Lymington Pier	
Nil	BH17 - Buffer Stops at Lymington Pier
SW170 Westbury to Wilton Junction	
	Quidhampton sidings (inclusive)
Dn Warminster/Up Main - SY60 to SY54	Dn Warminster - SY72 - c/o Wylye level crossing (inclusive)
Dn Main/Up Warminster - SY55 to SY61	Up Warminster - SY61 - c/o Upton Lovell level crossing (inclusive)

SW175 Castle Cary to Dorchester Junction	
Dorchester West	
Up Branch - DR182 - 555B points	Single - 555A points Dorchester West - 26 points Yeovil Pen Mill
Down Branch - 555A points - DR179	
Yeovil Pen Mill	
26 points - YPM4	Dn/Up Single - YMP4 / YMP6 - W147 Castle Cary
44B points - YPM59	
SW180 Raynes Park to Horsham	
Raynes Park - Motspur Park	
Down Epsom - c/o 804 points - W403	Dn - W403 to West Barnes level crossing (inclusive)
c/o West Barnes level crossing - W407	Dn - W407 to Motspur Park level crossing (inclusive)
c/o Motspur Park level crossing - W445	
Dn Portsmouth - W471 - W475	Dn Portsmouth W475 to Ashtead Level Crossing (Inclusive)
Dn Portsmouth - W451 - 841b pints	
c/o Ashtead Level Crossing - CA184	
Up Portsmouth - W498 - W474	Up Portsmouth - W474 to Ashtead Level Crossing (inclusive)
Up Portsmouth - W464 - W454	
c/o Ashtead Level Crossing - W468	
Up Epsom - W466 - W408	Up W408 to Motspur Park level crossing (inclusive)
Up Epsom - c/o Motspur Park level crossing - W402	Up W402 to West Barnes level crossing (inclusive)
Up Epsom - c/o West Barnes Level Crossing - W190	
SW185 Motspur Park to Chessington South	
Dn Chessington - c/o 830 dia - W417	Chessington South Station
*IF TCOD IS USED IN TOLWORTH STATION, GR RELEASE MUST NOT BE GIVEN WHILST TCOD IS IN USE	Up Sidings
Up Chessington - 835a points - W410	Coal/Stone Depot
SW190 New Malden to Shepperton	
Dn Kingston - c/o 811 points - W237	Dn - W237 to Malden level crossing (inclusive)
	W212 to Malden level crossing (inclusive)
	Up – Shepperton Buffer Stops to Malden level crossing (inclusive)
	Up – Fullwell Junction to Strawberry Hill (inclusive)
	Dn – Strawberry Hill to Fulwell Junction (inclusive)
SW195 Hampton Court Junction to Hampton Court	
Hampton Court Jn to Hampton Court	
	Dn - WK531 to Hampton Court level crossing (inclusive)
Down Hampton Court - WK2101 points - WK531	Dn - c/o Hampton Court Level Crossing - buffer stops
Up Hampton Court - WK522 - WK520	Up - WK524 and WK538 to Hampton Court level crossing (inclusive)
SW200 Hampton Court Junction to Guildford (via Cobaham)	
	Up GD748 / GD750 /GD754 - GD744
Up GD744 - GD728	Effingham Station limits
Up - GD722 - WK712	WK712 - Cooks level crossing (inclusive)
Up - c/o Cooks level crossing - WK702	
Dn c/o2117 points - WK709	WK709 - Cooks level crossing (inclusive)
Dn - c/o Cooks level crossing - GD721	Effingham station limits

Dn - c/o 3152 points - GD745	Dn GD745 - GD763 / GD767
SW205 Leatherhead To Effingham Junction	
Leatherhead to Effingham Jn	NIL
SW210 Clapham Junction to Reading	
Barnes to North Sheen	
Bracknell to Earley	
Dn Windsor Slow - W307 - W523	Dn Richmond - W523 W525 W527 W529 to North Sheen level crossing (inclusive)
Dn Windsor Fast - W309 - W525	
Up Windsor Slow - 2583 points - W312	
Up Windsor Fast - W520 - W310	Up Richmond - W532 to W518 / W520
Richmond to Bracknell	Down Twickenham – BEF2103 to BEF2253 (inclusive) Up Twickenham – BEF2252 to W532 (inclusive)
Richmond to Whitten Junction - Nil	Up – BEF2144 to W532 (inclusive) Dn – BEF2103 to F167 (inclusive)
Egham to Earley	
Dn Main - F167 - F259	Dn - F259 to F291
Dn Main - F291 - F315	Dn - F315 to Sunningdale level crossing (inclusive)
Dn Main - F321 - WM501	Dn - WM501 to Wokingham level crossing (inclusive)
Dn Main - WM507 - WM12	
Up Main - WM38 - WM31	Up - WM31 to Wokingham level crossing (inclusive)
	Up - WM506 to F352
Up Main - F352 - F316	Up - F316 to Sunningdale level crossing (inclusive)
Up Main - F314 - F306	Up - F306 / F294 to F258
SW225 Point Pleasant Junction to Wimbledon	
Point Pleasant Jn to Wimbledon	**East Putney to Wimbledon**
	Up Putney - W382 / W380 / W378/ W376 to W356
	Dn Putney - W3590 / W351 to buffer stops Wimbledon (LUL)
SW230 Barnes to Feltham Junction (via Hounslow)	
Barnes to Chiswick	
Dn Hounslow - c/o Vine Road Barnes Level Crossing - F121	Dn - W523 W525 to Barnes (Hounslow line) level crossing (inclusive)
Up Hounslow - c/o Grove Park Level Crossing - W550	Up - W550 to Barnes (Hounslow line) level crossing (inclusive)
Chiswick to Feltham Junction / Whitton Junction	Dn – BEF2333 to BEF2391/BEF2387 Up – BEF2390/BEF2386 to BEF2334
Chiswick / Syon Lane / Isleworth / Whitton Junction / Whitton Junction	
Dn Hounslow - c/o Vine Road Barnes level crossing - F121	Dn - F121 to Grove Park level crossing (inclusive)
Dn Hounslow - c/o Grove Park level crossing - F141	Dn - F141 to Wood Lane level crossing (inclusive)
Dn Hounslow - c/o Wood Lane level crossing - F173 / F168	
Up Hounslow - F174 / F160 - F142	Up - F142 to Wood Lane level crossing (inclusive)
Up Hounslow - c/o Wood Lane level crossing - F122	Up - F122 to Grove Park level crossing (inclusive)
Up Hounslow - c/o Grove Park level crossing - W550	
SW240 Kew East Junction to Old Kew Junction	
Kew East Jn. to Old Kew Jn.	NIL
Kew East Jn. to New Kew Jn.	NIL

SW245 Twickenham to Shacklegate Junction	
Strawberry Hill	Up – BEF2470 BEF2468 BEF2512 to BEF2124 BEF2126 (inclusive)
	Dn – BEF2125 BEF2127 BEF2129 to BEF2465 (inclusive)
Strawberry Hill to Fulwell Jn	Up – Fulwell Junction to Strawberry Hill (inclusive)
	Dn – Strawberry Hill to Fulwell Junction (inclusive)
SW250 Staines To Windsor And Eton Riverside	
Staines to Windsor & Eton Riverside	Down Windsor – BEF2195 to Buffer Stops Platform 2 Up Windsor – Buffer Stops Platform 1 to BEF2186
Dn Windsor - F271 - F275	F275 - Mays CCTV level crossing (inclusive)
c/o Mays CCTV level crossing - Buffer Stops	
Up Windsor - F286 - F276	F276 - Datchet CCTV level crossing (inclusive)
c/o Datchet CCTV level crossing - F270	
SW255 Viginia Water to Weybridge	
Dn Chertsey - c/o 722 points - F301	Dn - F301 to Chertsey level crossing (inclusive)
Dn Chertsey - c/o Chertsey level crossing - WK905	Dn - WK905 to Addlestone level crossing (inclusive)
Dn Chertsey - c/o Addlestone level crossing - WK901 - Addlestone Jn / Byfleet Jn	
Byfleet Jn / Addlestone Jn - WK906	Up - WK906 to Addlestone level crossing (inclusive)
Up Chertsey - c/o Addlestone level crossing - F302	Up - F302 to Chertsey level crossing (inclusive)
Up Chertsey - c/o Chertsey level crossing - F294	
Virginia Water to Chertsey	Down Chertsey – C/O BEF4361 points – BEF2717
Addlestone level crossing to Virginia Water	Addlestone level crossing to BEF4364 points (inclusive)
SW260 Ascot to Ash Vale Junction	
Dn Frimley - F331 / F329 - F339	Dn - F339 to Camberley level crossing (inclusive)
Dn Frimley/Ash Vale Single - c/o Camberley level crossing - WK415	
Ash Vale Single/Up Frimley - 2307 points - F340	Up - F340 to Camberley level crossing (inclusive)
Ascot to Ash Vale Junction	Dn Frimley/Ash Vale Single – BEF2243 to WK2307 points Ash Vale Single – Up Frimley – WK2306 points to BEF4375 diamonds
Up Frimely - c/o Camberley level crossing - 735 dia	
SW265 Guldford To Wokingham	
Aldershot South Junction - Guildford	
Up - GD962 - GD954	Up GD954 - GD1331 (CAL,CAM T/C)
Up - GD958 - GD936	
Dn - GD939 - GD951	Dn GD951 - Ash station (CHH,CHM T/C)
Dn - GD957 - GD963/WK421	
Wokingham Junction - Aldershot South Junction	
Up Blackwater - c/o 17 dia - GD964	Up GD964 - GD962 (North Camp) Farnborough North WM530 - GD966 (CAA,CAB T/C)
Up Blackwater c/o North Camp level crossing - GD958	
Dn Blackwater - c/o 3161 dia - GD963	Dn GD963 - GD967 (North Camp) Farnborough North GD967 - WM531R (CHT, CHW, CHX T/C) A pre-installed, remote controlled T-COD e.g ZKL, is authorised on CHW tract circuit only.
Dn Blackwater - GD967 - WM4	
SW300 Gomshall to Shalford Junction	
Up Redhill - GD3140 points - GD912	GD912 - GD908
Dn Redhill - GD911 - 3141 dia	GD903 - GD911 A pre-installed, remote controlled T-COD eg, ZKL is authorised on EN track circuit only.

Wessex Route GI – Dated: 06/01/2024

Rule Book Module HB8 - IWA, COSS or PC blocking a line

Rule Book Module HB21 – Safe work leader (SWL) blocking a line

Section 2.4 - Using a track circuit operating device (T-COD)

Kent/Sussex Routes

The use of an approved Track Circuit Operating Device (T-COD) is authorised throughout Network Rail Kent and Sussex Routes subject to the general conditions below and as shown in the following tables.

Pre-installed Remote Controlled Track Circuit Operating Devices (RC- T-CODs), also known as ZKLs, are authorised on all ELRs in Kent and Sussex as additional protection for line blockages. ZKL locations have been agreed with the Signalling Engineer and Operations Risk Advisor.
Portable ZKLs are to be considered as manual T-CODs, and therefore subject to the restrictions listed in the table below.

Note: If a section of route or location is not shown in the left-hand column, manual T-CODs and portable ZKLs must not be used.

Track Circuit Operating Devices: -

- **may only** be used by a person trained and certified competent in the use of the T-COD to be applied (activated, in the case of ZKLs)
- **may only** be used in areas where signals are controlled and maintained to danger by the operation of track circuits. (Examples of exclusions include Semaphore signals and some colour light signals in AB areas)
- **must not be** used on any section where train detection is by axle counter
- **must not be** applied where permissive working is authorised
- **must not** be used on a track circuit affected by track circuit failures, broken rail or negative bonding defects or repairs.
- **must not** be used on the approach to an MCB-OD, AHB, ABCL or AOCL crossing if it would affect the crossing controls
- **must not** be applied between the signal protecting a CCTV or MCB crossing and the level crossing.
- **must not** be applied in “fourth” rail electrified areas.
- **must not** be applied where check or guard rails exist.
- **must not** be applied where yellow conductor rail shrouding is fitted.

Cautionary Notes:

- Applying a T-COD near points may inhibit the use of some signalled routes which were not affected by the work.
- Applying a T-COD on a section of line that becomes part of an overlap track circuit may inhibit the use of some signalled routes which were not affected by the work.
- Applying a T-COD in an area where TOWS is fitted will prompt a continuous warning from the TOWS equipment.
- Applying T-CODs to track circuits that control Tokenless Block sections may cause the block to fail.

If the application of a T-COD would actuate the annunciator for a level crossing, this must first be disconnected by the Technician.

Routes and Locations on which manual T-CODs can be used (Subject to conditions as stated in Preamble)	Remarks (Locations/Sections where manual T-CODs cannot be used)
SO110 Victoria to Ramsgate (via Herne Hill and Chatham)	
Chislehurst Jn to St Mary Cray Jn (Chatham Reversible)	NIL restrictions
St. Mary Cray Jn to Chislehurst (Up Chatham loop)	NIL restrictions
Bickley Jn to Petts Wood Jn (Tonbridge)	NIL restrictions
Longfield – Faversham	Down Chatham – EK4001 (Down Chatham)/EK4703 (Down North Kent) to EK4325 Up Chatham – EK4326 to VS274
Faversham – Ramsgate	Down Chatham – EK5051 to EK5143 Up Chatham – EK5152 to EK5064
SO130 Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	
Charing Cross to Dover Priory/Eurotunnel Interface (via Tonbridge)	All lines – Charing Cross to Lucas Street Tunnels inclusive. Emergency Point and Route Release and PoSA Area All lines London side of Hither Green station to London side of Chislehurst Tunnels between the signals detailed below. From TL287 to AD1 on Down Kent Slow From TL326 to TL290 on Up Kent Slow From TL2289 to AD3 on Down Kent Fast From TL328 to TL292 on Up Kent Fast
Cannon Street to Borough Market Jn	NIL restrictions
Metropolitan Jn to Cannon Street	SSN Track Circuit on Metropolitan Reversible Emergency Point and Route Release and PoSA Area
Parks Bridge Jn to Ladywell (Ladywell Loop)	NIL restrictions
Chislehurst Jn to St. Mary Cray Jn (Chatham Reversible)	NIL restrictions
St. Mary Cray Jn. to Chislehurst (Up Chatham loop)	NIL restrictions
Bickley Jn to Petts Wood Jn (Tonbridge)	NIL restrictions
SO140 Swanley to Ashford (via Maidstone East)	
Swanley to Ashford (via Maidstone East)	NIL restrictions
Otford Jn to Sevenoaks	NIL restrictions
SO150 Sittingbourne (Eastern Jn) to Sheerness-on-Sea.	
Sittingbourne Eastern Jn to Sheerness-on-Sea	Down Sheppey – Eastern Jn to Middle Jn Up Sheppey – EK4234 to Eastern Jn Sheppey Single – EV811 to EV812
Sittingbourne Western Jn to Middle Jn	All Lines
SO160 Faversham to Dover Priory	
Faversham to Dover Priory	Up – EK4470 to EK4354 Dn – EK4343 to YE35
SO170 Tonbridge to Bo Peep Jn	
Stonegate to Etchingham	Up - RB436 to RB434 Dn - RB427 to Etchingham level crossing (inclusive)
Robertsbridge	Up - RB2 to Robertsbridge level crossing (inclusive) Dn - RB18 to Robertsbridge level crossing (inclusive)
Robertsbridge - Battle	Up - RB5 to RB6 Dn - RB16 to BJ437

Battle	Up - BJ444 to Marley Lane level crossing (inclusive) Dn - BJ437 to Marley Lane level crossing (inclusive)
SO180 Paddock Wood to Strood	
Paddock Wood to Strood	Prohibited
SO210 Appledore to Lydd Town (Goods Line)	
Appledore to Lydd Town (Goods Line)	Prohibited
SO220 Ashford to Ramsgate (via Canterbury West)	
Ashford to Wye	NIL restrictions to EBT5 on Down line and beyond BV track circuit on Up line
Minster	Up - EBE64 to EBE63 Dn - EBE4 to EBE5
Minster to Ramsgate	Up – EK4968 to EBE66 Dn - EBE7/EBE10 to EK4981
SO240 Buckland Jn to Minster East Jn	
Martin Mill to Walmer	Up - EBZ7 to Cold Blow crossing (inclusive) Dn - EBZ84 to Cold Blow crossing (inclusive)
SO250 Battersea Pier Jn to Wembley	
Stewarts Lane to Latchmere Jn	NIL restrictions
Clapham Jn (Platforms 16 & 17) to Latchmere Jn	Down West London – Falcon Jn – TVC677 Up West London TVC593 – Falcon Jn
Latchmere Jn To Mitre Bridge Jn	NIL restrictions
Factory Jn to Clapham Jn (W)	NIL restrictions
Longhedge Jn to Pouparts Jn	NIL restrictions
SO260 Brixton to Shortlands Jn	
Brixton to Shortlands Jn	NIL restrictions
SO280 Farringdon to Herne Hill	
Farringdon to Herne Hill	South of Elephant & Castle Up Holborn Slow TVS1288 & Up Holborn Fast TVS1094 to TVS1044 at Farringdon Station. On the approach to Farringdon Station Down line TVS1045 to TVS1095 Down Holborn Slow & TVS1289 Down Holborn Fast. Including ALL Routes/Lines from Ewer Street Junction/Metropolitan Junction to Blackfriars Junction inclusive. Emergency Point and Route Release and PoSA Area.
Loughborough Jn to Cambria Jn	NIL restrictions
Loughborough Jn. to Canterbury Road Jn.	NIL restrictions
SO290 North Kent East Jn to Dartford Jn (via Greenwich)	
North Kent East Jn to Woolwich Arsenal	Prohibited
Woolwich Arsenal to Dartford Jn	NIL restrictions
Crayford Spur A Jn to Crayford Spur B Jn	NIL restrictions
SO300 Lewisham to Crayford Creek Jn (via Bexleyheath)	
Perry Street Fork Jn to Slade Green	NIL restrictions
SO310 Hither Green to Rochester Bridge Jn (via Dartford)	
Crayford Spur A Jn to Crayford Spur B Jn	NIL restrictions
Mottingham to Rochester Bridge Jn	From NK301 to EK4703 – NIL From NK472 to TL352 - NIL

Hither Green Jn to Mottingham	Down Dartford Loop to NK301 and Up Dartford Loop from TL352 Prohibited
Hither Green Spur	Prohibited
SO320 Hoo Jn to Grain LC	
Hoo Jn to Grain LC	Prohibited
SO330 Nunhead to Hayes	
Nunhead to Hayes	NIL restrictions
Parks Bridge Jn to Ladywell (Ladywell Loop)	NIL restrictions
New Beckenham to Beckenham Jn	NIL restrictions
SO350 Grove Park to Bromley North	
Grove Park to Bromley North	Prohibited
SO500 Victoria to Brighton	
Victoria to Battersea Park	NIL restrictions
Battersea Park to Norbury	Down Brighton Slow –TVC599 to T53 Up Brighton Slow – TVC676 to TVC566 Down Brighton Fast –TVC577 to T51 Up Brighton Fast – TVC674 to TVC564
Streatham Station to Streatham Common Station	Prohibited Down and Up Streatham Spur
Streatham North Jn to Streatham South Jn	Prohibited Down and Up Slow and Reversible Fast Spurs
Norbury to Gloucester Road Jn	NIL restrictions
Gloucester Road Jn to Stoats Nest Jn	NIL restrictions
Stoats Nest Jn to Earlswood via the Quarry line	NIL restrictions
Stoats Nest Jn to Earlswood via Redhill	NIL restrictions
Earlswood to Brighton	Balcombe Tunnel dual track circuit and axle counter section
Preston Park to Hove	NIL restrictions
SO510 London Bridge to Epsom Downs	
London Bridge to Brockley Station	All lines from London Bridge Platform 10-15 to Brockley Station inclusive Emergency Point and Route Release and PoSA Area
Brockley Station to Norwood Jn	Prohibited
Norwood Jn to Windmill Bridge Jn	NIL restrictions
Bromley Jn to Norwood Jn	NIL restrictions
Selhurst to Gloucester Road Jn	NIL restrictions
Norwood Jn to Waddon	NIL restrictions
Waddon to Epsom Downs	From TVC921 Down Wallington to Epsom Downs Buffer Stops From Epsom Downs Buffer Stops to T48 Up Wallington
SO520 Three Bridges to Portsmouth Harbour	
Crawley	Up - T626 to High Street level crossing (inclusive) Dn - T625 to Horsham Road level crossing (inclusive)
Faygate to Horsham	Up – T896 to T630 Dn – T887 to T895
Horsham to Arundel Jn	From Christs Hospital to AR989 Down Arun Valley From T988 to Christs Hospital Up Arun Valley
Arundel Jn to Emsworth	Prohibited

SO530 South Croydon to East Grinstead	
South Croydon to East Grinstead	NIL restrictions
SO540 Hurst Green Jn to Uckfield	
Ashurst to Eridge	Between OD59 to OD62 and OD64 ,
SO550 Redhill to Tonbridge	
Redhill to Tonbridge	NIL restrictions
SO560 Redhill to Guildford	
Reigate - Dorking	Up - RG86 to Reigate level crossing (inclusive) Dn - RG21 to Reigate level crossing (inclusive) Dn - RG83 to RG91
Gomshall to Shalford	Up - GD912 - RG92 Dn - RG91 to GD915
SO590 Keymer Jn. to Eastbourne	
Wivelsfield - Plumpton	Up - T644 to Keymer level crossing (inclusive) Dn - T369 T371X to T643
Cooksbridge - Lewes	Up – TLW2 to Cooksbridge level crossing (inclusive) Dn – TLW93 to TLW91
Southerham Junction to Hampden Park Station	Prohibited
Hampden Park Station to Eastbourne Station	Prohibited
SO600 Willingdon Junction to Ashford	
Willingdon Junction to Bexhill	Prohibited
Bexhill to Country end of Hastings station Country end of Hastings Station to Ore Ore to Ashford	Prohibited on Up and Down Hastings (Permitted from EDL11 to EDL12 on Up Ore and from EDL83 to EDL77 on Down Ore) Prohibited
SO620 Brighton to Seaford	
Brighton to Lewes	NIL restrictions
Lewes to Seaford	Prohibited
SO630 Brighton to Littlehampton	
Brighton to Hove	NIL restrictions
Hove to Angmering	Prohibited
Angmering to Arundel Jn	Prohibited
Littlehampton Jn to Littlehampton	Prohibited
Littlehampton Station	Prohibited
SO640 Barnham to Bognor Regis	
Barnham to Bognor Regis	Prohibited
Bognor Regis Station	Prohibited
SO645 Battersea Park to Peckham Rye (Atlantic Lines)	
Battersea Pier Jn to Peckham Rye (via Stewarts Lane and Atlantic lines)	NIL restrictions
Battersea Park Jn to Factory Jn	NIL restrictions
Herne Hill to Tulse Hill	NIL restrictions
SO650 Balham Jn to Beckenham Jn	
Balham to Beckenham Jn	Down Crystal Palace – Balham Jn to TVC707 Up Crystal Palace – TVC708 to Balham Jn
Leigham Jn to Tulse Hill	NIL restrictions

Tulse Hill to West Norwood	NIL restrictions
Bromley Jn to Norwood Jn	NIL restrictions
SO660 Purley to Caterham/Tattenham Corner	
Whyteleafe	Up - T566 to Whyteleafe level crossing (inclusive) Dn - T565 to Whyteleafe South level crossing (inclusive)
Purley to Tattenham Corner	NIL restrictions
SO680 South Bermondsey Jn to Horsham	
South Bermondsey Jn to South Bermondsey Station	Emergency Point and Route Release and PoSA Area
South Bermondsey Station to East Dulwich Station	Prohibited
East Dulwich Station to Tulse Hill	NIL restrictions
Leigham Jn to Tulse Hill	NIL restrictions
Herne Hill to Tulse Hill	NIL restrictions
Tulse Hill to Leigham Tunnel	NIL restrictions
Leigham Tunnel to Ewell East Station	Up – TVC970 Ewell East Station to TVC774 Leigham Tunnel Dn – TVC773 Leigham Tunnel to TVC967
Box Hill & Westhumble Station to Betchworth Tunnel	NIL restrictions
Betchworth Tunnel to Ockley Station	Dn – Betchworth Tunnel to Kingsfold UWC Up – T830 to Betchworth Tunnel
Warnham Station to Horsham Station	Dn – From Kingsfold UWC Up – To T830
SO700 Streatham South Jn to Sutton (via Wimbledon)	
Streatham South Jn to Sutton (via Wimbledon)	Down St Helier – Streatham South Jn to Haydons Road Station Up St Helier – TVC824 to Streatham South Jn Down St Helier – South Merton Station to Sutton West Jn Up St Helier – Sutton West Jn to South Merton Station

Kent / Sussex Route GI - Dated: 01/11/2023

Rule Book Module HB8 - IWA, COSS or PC blocking a line

Rule Book Module HB21 Safe work leader (SWL) blocking a line

Section 3 - Granting the line blockage – terminal and bay platform lines

South East Route

It is permitted for a train to be stabled in a platform line during a line blockage - **Rule Book Handbook 8 / IWA, COSS or PC blocking a line**

The arrangements shall only apply at the following locations:

- On platform lines at terminal stations
- On dead end bay lines at through stations
- On the running lines shown in **Berthing of trains – Kent and Sussex Routes** as shown in the electronic and hard copies of the Sectional Appendix.

The IWA, COSS or PC must ensure that the following protection is placed on the train before authorising the work to start:

During Daylight	A NOT TO BE MOVED board or a red flag
During darkness or fog and falling snow	A red light (steady or flashing)

Kent / Sussex Route GI - Dated: 06/12/14

Rule Book Module T3 - Possession of a running line for engineering work

Section 2 – Taking the possession

TERMINAL AND DEAD-END PLATFORM LINES WHERE TRAIN DETECTION IS BY AXLE COUNTERS

At terminal and dead-end platform lines where train detection is by axle counters, the Signaller is permitted to grant possession to the PICOP (and the PICOP is permitted to give up the possession to the Signaller) when a platform line is occupied by an empty coaching stock (ECS) train.

No work must be carried out between the buffer stops and the signal controlling exit from an occupied platform line unless authorised by the Operations Manager.

Stabling of trains at terminal and dead-end platform lines when work must be carried out between the buffer stops and the signal controlling exit from the platform line is prohibited unless authorised by the Operations Manager and the arrangements have been published.

The Rule Book, Module T3, Section 7 is modified accordingly.

Wessex Route GI - Dated: 04/02/12

Rule Book Handbook 11 - Duties of the person in charge of the possession (PICOP)

Section 5, Clause 5.2 – Automatic half barrier crossing (AHBC)

Kent Route

At the crossings shown below there is a stop signal between the 'Strike in point' and the crossing. The 'strike in' is inhibited when the signal is at danger. Therefore if the signal is passed at danger a train can arrive at the crossing without adequate warning to road users.

Consequently in addition to the requirements of the Handbook 11, Section 5.2 the following AHB crossings must be placed under local control before any movements are made over the crossings on the line(s) shown. Local control may be given up when the movement(s) has passed over the crossing.

Name of Crossing	Lines affected
SO110 Victoria to Ramsgate (via Herne Hill and Chatham)	
Stone	Either line
Graveney	Either line
SO180 Paddock Wood to Maidstone West	
Swatlands	Either line
Wagon Lane	Either line
Beltring	Up line
SO220 Ashford to Ramsgate (via Canterbury West)	
Broad Oak	Up line
Sevenscore	Either line

South East (Kent, Sussex, Wessex) Territory GI - Dated: 27/05/23

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Rule Book Handbook 11 – Duties of the person in charge of the possession (PICOP)

Section 5, Clause 5.2 – Automatic half barrier crossing (AHBC)

Sussex Route

At the crossings shown below there is a stop signal between the 'Strike in point' and the crossing. The 'strike in' is inhibited when the signal is at danger. Therefore if the signal is passed at danger a train can arrive at the crossing without adequate warning to road users.

Consequently in addition to the requirements of the Handbook 11, Section 5.2 the following AHB crossings must be placed under local control before any movements are made over the crossings on the line(s) shown. Local control may be given up when the movement(s) has passed over the crossing.

Name of Crossing	Lines affected
SO520 Three Bridges to Portsmouth Harbour	
Roffey Road	Either line
Barn's Green	Either line
Adversane	Down Arun Valley
Cray Lane	Either line
Hardham	Up Arun Valley
Woodhorn	Up line
Clay Lane	Either line
New Fishbourne	Up Line
Blackboy Lane	Down Line
Bosham	Down Line
Nutbourne	Up line
Inlands Road	Up line
SO560 Redhill to Guildford	
Buckland	Either line
Brockham	Either line
SO590 Keymer Jn to Eastbourne	
Spatham Lane	Up line
Selmeston	Either line
Wilmington	Down line
SO600 Willingdon Jn to Ashford	
Appledore	Either line

South East (Kent, Sussex, Wessex) Territory GI - Dated: 29/08/22

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Rule Book Module T3 - Possession of a running line for engineering work

Section 2, Clause 2.4 – Arranging detonator protection at the standard distance

(Duplication of Anglia Sectional Appendix)

Handbook 11 – Duties of the person in charge of the possession (PICOP)
Section 4, Clause 4.4 - Arranging detonator protection at the standard distance

Detonator protection is not required to be provided where the limit of a possession is shown as being at a Bufferstop.

This instruction is applicable to the East London Line (SO511 Highbury & Islington to New Cross / New Cross Gate ELL) at Highbury & Islington.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/06/22

Handbook 8 - IWA, COSS or PC blocking a line / TS1 General Signalling Regulations 13.2.3

Protecting a stabled train on a platform line

(Duplication of Anglia Sectional Appendix)

A platform line on which a train is stabled may be blocked under the arrangements shown in this handbook, but only if protection is provided to stop a train making an unauthorised movement.

When a platform line is to be blocked and a train is stabled on that line, the IWA, COSS or PC must place the following train protection equipment on the train before allowing the work to start:

1. during daylight: a “NOT TO BE MOVED” board, or a red flag

2. during darkness, fog or falling snow: a red light (steady or flashing)

The IWA, COSS or PC must make sure the protection is displayed on the platform side of the train:

- 1. at the end from which the train is to be driven,
- or
- 2. at both ends of the train if it can be driven from either end

The arrangements shall apply at the following locations

1. **on platform lines at terminal stations**

2. on dead end bay platforms at through stations

3. **on running lines shown in “Stabling of trains” – within General Instructions of Anglia Route Sectional Appendix**

Note:

Drivers are permitted to enter the driving cab for the purposes of preparing the train in accordance with their company instructions.

Unless permits are issued, the traction current must always be treated as being live.

This instruction is applicable to the East London Line (SO511 Highbury & Islington to New Cross / New Cross Gate ELL) between Highbury & Islington and Dalston West Curve.

Rule Book Handbook 11 - Duties of the person in charge of the possession (PICOP)

Section 5, Clause 5.2 – Automatic half barrier crossing (AHBC)

Wessex Route

At the crossings shown below there is a stop signal between the 'Strike in point' and the crossing. The 'strike in' is inhibited when the signal is at danger. Therefore if the signal is passed at danger a train can arrive at the crossing without adequate warning to road users.

Consequently in addition to the requirements of the Handbook 11, Section 5.2 the following AHB crossings must be placed under local control before any movements are made over the crossings on the line(s) shown. Local control may be given up when the movement(s) has passed over the crossing.

Name of Crossing	Lines affected
SW105 Clapham Junction to Weymouth	
Moreton	Up line
Woodsford No.37	Single line
SW110 Woking Junction to Portsmouth Harbour	
Milford	Either line
Liss Common	Either line
Sheet	Either line
Kings Fernsden	Either line
SW115 Worting Junction to Exeter St Davids	
Crewkerne	Single line
SW150 Redbridge to Salisbury Tunnel Junction	
Kimbridge	Up line
Dunbridge	Down line
SW170 Westbury to Wilton Junction	
Upton Lovell	Down line
Wylye	Down line

South East (Kent, Sussex, Wessex) Territory GI - Dated: 30/07/2022

Rule Book Module T3 - Possession of a running line for engineering work

Section 2, Clause 2.4 – Arranging detonator protection at the standard distance

(Duplication of Anglia Sectional Appendix)

Handbook 11 – Duties of the person in charge of the possession (PICOP)

Section 4, Clause 4.4 - Arranging detonator protection at the standard distance

Detonator protection is not required to be provided where the limit of a possession is shown as being at a Bufferstop.

This instruction is applicable to the East London Line (SO511 Highbury & Islington to New Cross / New Cross Gate ELL) at Highbury & Islington.

Sussex Route GI - Dated: 25/06/2022

Handbook 8 - IWA, COSS or PC blocking a line / TS1 General Signalling Regulations 13.2.3

Protecting a stabled train on a platform line

(Duplication of Anglia Sectional Appendix)

A platform line on which a train is stabled may be blocked under the arrangements shown in this handbook, but only if protection is provided to stop a train making an unauthorised movement.

When a platform line is to be blocked and a train is stabled on that line, the IWA, COSS or PC must place the following train protection equipment on the train before allowing the work to start:

1. during daylight: a "**NOT TO BE MOVED**" board, or a **red flag**

2. during **darkness, fog or falling snow: a red light (steady or flashing)**

The IWA, COSS or PC must make sure the protection is displayed on the platform side of the train:

- **1. at the end from which the train is to be driven,**
- **or**
- **2. at both ends of the train if it can be driven from either end**

The arrangements shall apply at the following locations

1. **on platform lines at terminal stations**

2. on dead end bay platforms at through stations

3. **on running lines shown in "Stabling of trains" – within General Instructions of Anglia Route Sectional Appendix**

Note:

Drivers are permitted to enter the driving cab for the purposes of preparing the train in accordance with their company instructions.

Unless permits are issued, the traction current must always be treated as being live.

This instruction is applicable to the East London Line (SO511 Highbury & Islington to New Cross / New Cross Gate ELL) between Highbury & Islington and Dalston West Curve.

Sussex Route GI - Dated: 25/06/2022

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Rule Book Module T3 - Possession of the line for engineering work

Section 2 – Taking the possession

At terminal and bay platforms within the Kent, Sussex and Wessex Routes, the Signaller is permitted to grant possession to the PICOP when the track is occupied by an empty coaching stock train that is berthed in the platform.

The Rule Book, Module T3, Section 2.3 is modified accordingly.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 06/12/14

Rule Book Module T10 – Duties of a designated person (DP) and people working on rail vehicles

Section 4 – General duties of a DP

Working on a train on a running line including at a station platform

Red flashing light/flag units are provided at a number of locations for use of train operator staff working on trains in terminal platform lines only.

A second red flashing light/flag unit will be exhibited in the following circumstances:

5. When length of the train/platform curvature, etc requires the additional unit to be positioned towards the centre of the train, or
6. When the work/examination involves train operator staff going underneath the train, unless this is a coach upon which a unit is already exhibited.

The Rule Book, Module T10, Section 4.3 is modified accordingly.

South East (Kent/Sussex/Wessex) Territory GI – Dated: 19/03/11

Rule Book Module TS1 - General signalling regulations

Section 13, Clause 13.1 - Personnel asking for trains to be stopped

These Instructions modify and prescribe the actions to be taken by the controlling signaller within the modular rule book General Signalling Regulations TS1 13.1 (Personnel asking for trains to be stopped), when a member of station staff or Network Rail Employee makes a request to recover an item dropped on the track (using non-conductive litter pickers or other suitable equipment) **whilst remaining on the station platform**.

When a person makes a request to recover an item from the track whilst remaining on the platform the signaller must:

7. Confirm with the person who has requested to recover the item the exact location and from which line the item is to be recovered from;
8. Confirm that the person will recover the item **whilst remaining on the station platform;**
9. Record details on the Line Blockage Form (NR3180) of the line to be blocked, the protecting signal(s) and the role and employer of the person making the request to recover the item; If the controlling signal is controlled by another signaller, confirmation must be obtained by the signaller receiving the request that the protecting signal is confirmed to be at red and protection afforded by that signaller.
10. Arrange for the line from which the item is to be recovered from ONLY to be blocked, affording reminder appliances for the line blockage as necessary;
11. Confirm with the person who has requested to recover the item that the line will stay blocked until they inform you that the item has been recovered and they are in a place of safety away from the platform edge;
12. Remind the person about adjacent lines that remain open for normal working and where applicable that the traction current remains live.
13. Give the person an authority number
14. Give that person permission for the activity to start and recover the item.

When the person has recovered the item confirms that the item has been recovered and they are in a place of safety away from the platform edge, the signaller must:

1. Record this on the line blockage form;
2. The person who asked for the line to be blocked will tell you their authority number
3. Withdraw the signal protection / reminder appliances and return to normal working.

If a person makes a request to recover an item by **going onto the track**, the requirements of rule book modules TS1 (13) Section 13.1 and SS1 (2) must continue to be fully applied.

Wessex Route GI - Dated: 27/11/2021

Hard copy Sectional Appendix page TBC

Replace The current General Instruction with the below

Rule Book Module TS1 – General Signalling Regulations
Regulation 13.2 – COSS, IWA or PC blocking a line

Regulation 13.2.4 – Additional protection

Handbook 8 – IWA, COSS or PC blocking a line
Regulation 2.5 – Using a track circuit operating device, & Regulation 2.6 – Remotely-activated track circuit operating device (T-COD)

Wessex Route

The use of an approved track circuit operating device (T-COD) is authorised throughout Network Rail Kent, Sussex and Wessex routes subject to the conditions shown below, and as shown in the following tables.

Note: if a section of route or location is not shown in the left-hand column and it does not show it as prohibited in the right-hand column, a T-COD must not be used.

Only the following T-CODs are currently approved for use on Network Rail Kent, Sussex and Wessex routes.

- T-COD bullhead rail (SAFE 7265) Cat. No. 0057/052991
- T-COD flat-bottom rail (SAFE 7239) Cat. No. 0057/052992
- Manufacturer: Safetrack Baavhammer AB (may be identified as 'TRACK WARNING', 'SAFETRACK SAFE' or 'TRACK')
- Remote T-CODs and their location for use are detailed within the standard NR/L3/OPS/009
- ZKL3000 manufactured by Duel Inventive (Cat. No. 057/052973)
- ZKL3000RC manufactured by Duel Inventive (Cat. No. 057/052993)

The following must be noted and understood before using a manual T-COD:

- **Must not** be used on a track circuit affected by track circuit failures, broken rail or negative impedance bond.
- **Must not** be used on a line where detection is obtained by means of axle counters.
- **Must not** be used where permissive working applies (as indicated by the remarks PP, PP-A, PP-S, PP-C and PF in Table A of this publication).
- **Must not** be used on the approach to an OD, AHBC, ABCL or AOCL level crossing.
- **Must not** be applied between the signal protecting a CCTV or MCB level crossing and the level crossing itself.
- **Must not** be applied in fourth rail electrified areas.
- **Must not** be applied where check or guard rails are provided.
- **Must not** be used where there are single-rail rack circuits on 'third rail' electrified areas (identified by the yellow cover on the underside of the running rail).
- **Must not** be used where track circuits in sidings are present.
- **Must not** be used on a tokenless block line.
- May **only** be used by a person trained and certified competent in the use of the T-COD being applied.
- May **only** be used in areas where signals are controlled or maintained by the operation of track circuits.

Cautionary notes:

- Applying a T-COD near points may inhibit the use of some signalled routes which are unaffected by the work.
- Applying a T-COD on a section of line that becomes part of an overlap track circuit may inhibit the use of some signalled routes which are unaffected by the work.
- Applying a T-COD in an area where Train-Operated Warning System (TOWS) is fitted will prompt a continuous warning from the TOWS equipment.
- T-CODs must be applied either on the approach to the worksite or within the first signal section of the worksite itself. The presence of converging routes must be considered when planning protection by T-COD.

Always check local instructions for further guidance and more detailed information regarding specific track circuits that are permitted for T-COD application.

Locations where T-COD use is permitted	Locations where T-COD use is prohibited
SW100 Waterloo to Clapham Junction	
Between Waterloo and Nine Elms Jn: • Down Main Slow from Waterloo to W91 • Down Main Fast from Waterloo to W93 • Up Main Slow from W60 to Waterloo • Up Main Fast from W62 to Waterloo • Up Main Relief (incl.) • Down Windsor Slow from Waterloo to W97 • Down Windsor Fast from Waterloo to W99 • Up Windsor from W64 to Waterloo • Windsor Reversible from W922 to Waterloo	• South Siding (Waterloo) • Engineer's Siding (Waterloo) • North Siding (Waterloo)
Between Nine Elms Jn and Linford Street Jn: • Down Waterloo Curve from W99 to VS73 • Up Waterloo Curve from VS74 to W64	• No restrictions
Between Nine Elms and West London Jn: • Down Main Slow from W91 to W121 • Down Main Fast from W93 to W123 • Up Main Slow from W102 to W60 • Up Main Fast from W104 to W62 • Down Windsor/Down Windsor Slow from W97 to W127 • Down Windsor Fast from W119 (Queenstown Road) to W129 • Up Windsor from W96 to W64 • Windsor Reversible from W930 to W922	• No restrictions
Between West London Jn and Latchmere No. 3 Jn: • Down Sheepcote Lane from West London Jn (624 pts) to Latchmere No. 3 Jn (282 pts) • Up Sheepcote Lane from Latchmere No. 3 Jn (283 pts) to West London Jn (625 pts)	• No restrictions
Between West London Jn and Clapham Jn: • Down Main Slow from W121 to W155 • Down Main Fast from W123 to W157 • Up Main Slow from W120 to W102 • Up Main Fast from W122 to W104 • Up Main Loop (incl.) • Down Windsor Slow from W127 to W307 • Down Windsor Fast from W129 to W309 • Up Windsor Slow/Windsor Reversible from W302 to W930 • Up Windsor Fast/Up Windsor W300 from to W96	• West London Sidings No. 1 • West London Sidings No. 3 • West London Sidings No. 6 • Engineer's Sidings (Clapham Jn)
Between Clapham Jn and Longhedge Jn: • Down Ludgate from Clapham Jn to VS70 • Up Ludgate from W135 to Clapham Jn	• Middle Siding (Clapham Jn)
Between Clapham Jn and Latchmere No. 2 Jn: • Down Latchmere Curve from Clapham Jn to Latchmere No. 2 Jn (295 pts) • Up Latchmere Curve from Latchmere No. 2 Jn (296 pts) to Clapham Jn	• Middle Siding (Clapham Jn)

SW105 Clapham Junction to Weymouth	
Between Clapham Jn and Raynes Park: • Down Main Slow/Down Slow from W155 to W215 • Down Main Fast/Down Fast from W157 to W217 • Up Slow/Up Main Slow from W194 to W120 • Up Slow/Up Main Fast from W192 to W122 • Down Epsom from Raynes Park (804 pts) to W401 • Up Epsom from W400 to Raynes Park (802A pts)	• Up Siding No. 1 (Wimbledon Park CSD) • Up Siding No. 2 (Wimbledon Park CSD) • Siding No. 1 (Wimbledon Traincare Depot) • Down Sidings (Wimbledon)
Between Raynes Park and New Malden: • Down Slow from W215 to WK121 • Down Fast from W217 to WK323 • Up Slow from W234 to W194 • Up Fast from W232 to W192 • Down Kingston from New Malden Jn (811 pts) to BEF2419 • Up Kingston from W212 to New Malden Jn (813 pts)	• Up Kingston from W212 to % Elm Road Crossing
Between New Malden and Hampton Court Jn: • Down Slow from WK121 to WK133 • Down Fast from WK323 to WK335 • Up Slow from WK336 to W234 • Up Fast from WK134 to W232 • Down Hampton Court from Surbiton (2101A pts) to WK527 • Up Hampton Court from to WK520 to Hampton Court Jn (2114 pts)	• Up Siding (Surbiton)
Between Hampton Court Jn and Byfleet Jn: • Down Slow from WK133 to WK157 • Down Fast from WK335 to WK359 • Up Slow from WK158 to WK134 • Up Fast from WK360 to WK336 • Down Hampton Court from Surbiton (2101A pts) to WK527 • Down Cobham from Hampton Court Jn (2117 pts) to WK701 • Up Cobham from WK702 to Hampton Court Jn (2119 pts) • Down Chertsey from Weybridge to WK904 • Up Chertsey from WK901 to Up Bay Buffer Stops • Down Byfleet Curve from WK549 to Byfleet Jn (2137 pts) • Up Byfleet Curve from Byfleet Jn (2135 pts) to WK544	• Up Slow from WK156 to WK154
Between Byfleet Jn and Pirbright Jn: • Down Slow from WK157 to WK193 • Down Fast from WK359 to WK395 • Up Slow from WK190 to WK158 • Up Fast from WK392 to WK360 • Down Guildford from Woking Jn (2234 pts) to WK803 • Up Guildford from WK802 to Woking Jn (2236 switch diamond) • Up Alton from WK956 to Pirbright Jn (2260 pts) • Down Alton from Pirbright Jn (2261 pts) to WK951 • Down Ash Branch from WK421 to Aldershot North Jn (2311 pts) • Up Ash Branch from Aldershot North Jn (2310	• East End Siding (Woking) • Woking station platform limits (all lines) • Up Bay from Woking East Jn (2208 points) to Buffer Stops • Down Bay from 2225B points to Buffer Stops • Down Yard Shunting Siding (Woking) • Down Yard Reception Road (Woking) • Up Yard Hurdles (Woking) • Up Yard Neck (Woking) • Up Yard Reception Road No. 1 (Woking) • Up Yard Reception Road No. 2 (Woking)

Between Pirbright Jn and Basingstoke: • Down Slow from WK193 to BE165 • Down Fast from WK395 to BE411 • Up Slow from BE172 to WK190 • Up Fast from BE420 to WK392 • Down Reading from BE547 to Basingstoke (2521 pts) • Up Reading from Basingstoke (2520 pts) to BE536	• Long Valley Sidings • Barton Mill Carriage Sidings • Up Siding East (Basingstoke) • Basingstoke station platform limits (all lines) • Up Bay from 2616A points to Buffer Stops • Up Branch Siding (Basingstoke) • Up Neck (Basingstoke) • Up Siding No. 1 (Basingstoke) • No. 6 Siding (Basingstoke)
Between Basingstoke and Worting Jn: • Down Slow from BE165 to BE183 • Down Fast from BE411 to BE431 • Up Slow from BE182 to BE172 • Up Fast from BE430 to BE420	• Down Siding
Between Worting Jn and Shawford Down Jn: • Down Exeter from BE431 to BE439 • Up Exeter from BE444 to BE430 • Down Southampton/Down Main BE183 to Shawford Down Jn (8024 pts) • Up Main/Up Southampton EH150 to BE182 • Down Passenger Loop (Wallers Ash) (incl.) • Up Passenger Loop (Wallers Ash) (incl.)	• Down Sidings (Micheldever) • Down Siding (Winchester) • Baltic Siding
Between Shawford Down Jn and Eastleigh East Jn: • Down Slow from Shawford Down Jn to E26 • Down Fast from Shawford Down Jn to E28 • Up Slow from E105 to Shawford Up Jn (8025 pts) • Up Fast/Up Main E103 from to EH150	• Eastleigh East Yard
Between Eastleigh East Jn and St Denys: • Down Slow from E26 to Eastleigh West Jn (464 pts) • Down Main from E28 to St Denys (490 pts) • Up Slow from Stonham Jn (466 pts) to E105 • Up Main from St Denys (492 pts) to E103 • Portsmouth Single from Eastleigh West Jn (464 pts) to Eastleigh South Jn (476 pts) • Down Salisbury from Eastleigh East Jn (442 pts) to E97 • Up Salisbury from E30 to Eastleigh East Jn (437 pts)	• Eastleigh station platform limits (all lines) • Down Portsmouth Loop • Down Carriage Sidings (Eastleigh) (all roads) • Eastleigh Airport Sidings (Eastleigh Works)
Between St Denys and Northam Jn: • Down Slow from St Denys (491B pts) to Northam Jn (512A pts) • Down Fast from St Denys (490 pts) to Northam Jn (512B pts) • Up Slow from Northam Jn (513 pts) to St Denys (492 pts) • Up Fast from Northam Jn (513 pts) to St Denys (492 pts)	• Southampton Ctrl station platform limits (all lines) • Southampton Up Yard • Down Slow from E707 % Mount Pleasant Level Crossing • Down Fast from E709 % Mount Pleasant Level Crossing • Up Slow from E710 % Mount Pleasant Level Crossing • Up Fast from E708 % Mount Pleasant Level Crossing • Northam Train Care Depot

Between Northam Jn and Redbridge Jn: • Down Main (Reversible) from Northam Jn (512B pts) to Southampton Ctrl (515 pts) • Up Main (Reversible) from Southampton Ctrl (516B pts) to Northam Jn (513 pts) • Eastern Docks Single from Northam Jn (512A pts) to E841 • Down Slow from Southampton Ctrl (515 pts) to • Down Fast from Southampton Ctrl (515 pts) to Millbrook (545A pts) • Up Slow from Millbrook (547 pts) to Southampton Ctrl (516B pts) • Up Fast from Millbrook Church Lane (549A pts) to Southampton Ctrl (516B pts) • Up Docks Branch from Millbrook (538 pts) to E851 • Down Docks Branch from E852 to Millbrook (546 pts) • Down Main from Millbrook Church Lane (549B pts) to Redbridge Jn (567 pts) • Up Main from Redbridge Jn (569 pts) Millbrook Church Lane (549A pts)	• Bay Siding West (Southampton Ctrl) • Bay Siding East (Southampton Ctrl) • Down Loop (Southampton Ctrl) • Down Loop Extension (Southampton Ctrl) • Up Goods Loop (Southampton Ctrl) • Maritime Back Road • Down Bay Siding (Southampton Ctrl) • Redbridge Goods from Millbrook (546 pts) to Redbridge Jn (566A pts) • Depot Reception No. 1 (Redbridge) • Depot Reception No. 2 (Redbridge) • Loading Dock Siding (Redbridge)
Between Redbridge Jn and New Milton: • Down Main from Redbridge Jn (567 pts) to BC131 • Up Main from BC130 to Redbridge Jn (569 pts) • Down Passenger Loop from BH13 to BH17	• Down Main from E787 % Totton Level Crossing • Up Main from E784 % Totton Level Crossing • Down Fawley Up from Fawley Branch Jn (573A pts) to Totton Jn West (576A pts) • Shunting Neck (Fawley Branch Jn) • Goods Loop (Fawley Branch Jn) • Coal Yard (Fawley Branch Jn) • Down Main from BH3 % Brockenhurst Level Crossing • Up Main from BH6 % Brockenhurst Level Crossing • Brockenhurst station limits (all lines) • Engineer's Siding (Brockenhurst) • Down Siding (Brockenhurst) • Up Siding (Brockenhurst)
Between New Milton and Moreton: • No permissions	• All lines (axle counter detection used in this area)
Between Moreton and Dorchester Jn: • Down Main/Moreton Single from DR163R to DR167 • Up Main/Up Main Reversible/Moreton Single from DR182 to PW5270	• Down Sidings (Dorchester South)
Between Dorchester Jn and Weymouth: • Down Main from DR167 to Weymouth • Up Main from Weymouth to DR182	• Jersey Sidings • Jubilee Siding • Weymouth station platform limits (all lines)

SW110 Woking Junction to Portsmouth Harbour	
Between Woking Jn and Worplesdon: • Down Guildford from Woking Jn (2234 pts) to GD809 • Up Guildford from WK808 to Woking Jn (2236 switch diamond)	• No restrictions
Between Worplesdon and Shalford Jn: • Down Main from GD809 to Shalford Jn (3141 pts) • Up Main from Shalford Jn (3142 pts) to WK808 • Down Ash from GD931 to GD939 • Up Ash from GD940 to Guildford (3110B pts)	• Up Cobham from GD748 to GD744 • Down Cobham from GD745 to Guildford (3114B pts) • Guildford station platform limits (all lines) • Guildford North Box Sidings • Carriage Sidings (Guildford) • Dock Siding (Guildford)
Between Shalford Jn and Haslemere: • Down Main from Shalford Jn (3141 pts) to EW213 • Up Main from EW214 to Shalford Jn (3142 pts)	• Down Main from WZ5 % Farncombe West Level Crossing • Up Main from WZ24 % Farncombe East Level Crossing • Down Main from WZ203 to EW207 • Up Main from EW208 to EW204
Between Haslemere and Petersfield: • Down Main from EW213 to PF239 • Up Main from PF242 to EW214	• Up Loop (Haslemere) (incl.) • Up Siding No. 1 (Haslemere) • Up Siding No. 3 (Haslemere) • Down Main from PF229 % Petersfield Level Crossing • Up Main PF242 to EW228
Between Petersfield and Portsmouth Harbour: • No permissions	• All lines (axle counter detection in use)
SW115 Worting Junction to Exeter St David's	
Between Worting Jn and Grateley: • Down Exeter from BE439 to BE475 • Up Exeter from BE478 to BE444	• Ludgershall Branch Siding (incl.) • Ludgershall Loop Siding (incl.) • Up Siding 1 (incl.) • Up Siding 2 (incl.) • OTM Siding (incl.)
Between Grateley and Salisbury Tunnel Jn: • Down Main from BE475 to Salisbury Tunnel Jn (106 pts) • Up Main from Salisbury Tunnel Jn (105 pts) to BE478 • Laverstock Loop (incl.)	• No restrictions
Between Salisbury Tunnel Jn and Wilton Jn: • Down Main from Salisbury Tunnel Jn (106 pts) to Wilton Jn (141A pts) • Up Main from Wilton Jn (142 pts) to Salisbury Tunnel Jn (105 pts)	• Down Main from SY43 to SY53 • Up Main from SY52 to SY40 • East Bay (incl.) • Down Main Reversible (incl.) • Platform Loop (incl.) • East Carriage Holding Sidings (incl.) • Down Siding No. 1 (incl.) • Down Siding No. 2 (incl.) • West Bay (incl.) • Holding Sidings (incl.) • West Carriage Sidings (incl.) • Salisbury Traincare Depot (incl.) • Reception Line (incl.) • Through Siding (incl.) • Up Siding (incl.) • Shunting Neck (Incl.) • Sorting Sidings (incl.)

Between Wilton Jn and Wilton South: • Down Exeter from Wilton Jn (141A pts) to SY57 • Up Exeter from SY58 to Wilton Jn (142 pts)	• No restrictions
Between Wilton South and Gillingham West Jn: • No permissions	• Exeter Main from SY57 to SE4677
Between Gillingham West Jn and Templecombe: • Gillingham Down Loop from SE4677 to Gillingham East Jn (2804A pts) • Up Exeter from Gillingham East Jn (2804B pts) to Gillingham West Jn (2800 pts) • Exeter Main from SE4689 to SE4691	• Gillingham Up Siding • Exeter Main from Gillingham East Jn (2804B pts) to SE4689 (axle counter detection in use)
Between Templecombe and Yeovil Jn: • No permissions	• All lines (axle counter detection in use)
Between Yeovil Jn and Axminster East Jn: • Down Exeter from SE4678 • Up Exeter from Chard Jn (2824 pts) to Chard Jn (2820 pts) • Chard Down Loop from Chard Jn (2824 pts) to SE4773	• Down Exeter from SE4711 to Chard Jn (2820 pts) • Up Exeter from Chard Jn (2820 pts) to SE4710 • Down Main Siding (incl.) • Down Siding No. 1 (incl.) • Down Siding No. 2 (incl.) • Down Siding (Chard Jn) (incl.) • Exeter Main from Chard Jn (2824 pts) to Axminster East Jn (2825 pts) (axle counter detection in use)
Between Axminster East Jn and Pinhoe: • Down Exeter from Axminster East Jn (2825 pts) to Axminster west Jn (2826 pts) • Up Exeter from Axminster West Jn (2826 pts) to Axminster East Jn (2825 pts) • Down Exeter from SE4803 to Honiton (2834 pts) • Up Exeter from SE4794 to Honiton (2830 pts)	• Exeter Main from Axminster West Jn (2826 pts) to SE4803 (axle counter detection in use) • Exeter Main from Honiton (2834 pts) to EJ1R (axle counter detection in use) • Down Exeter from SE4789 % Axminster Level Crossing • Up Exeter from SE4784 % Axminster Level Crossing
SW120 Pirbright Junction to Alton	
Between Pirbright Jn and Ash Vale Jn: • Down Alton from Pirbright Jn (2261 pts) and Ash Vale Jn (2306 pts) • Up Alton from Ash Vale Jn (2307 pts) to Pirbright Jn (2260 pts)	• No restrictions
Between Ash Vale Jn and Farnham: • Down Alton from Ash Vale Jn (2306pts) to WK445 • Up Alton from WK438 to Ash Vale Jn (2307 pts)	• Farnham Traincare Depot (all lines) • Down Alton WK441 to WK433 • Up Alton WK438 to WK432
Between Farnham and Alton: • Alton Single from WK445 to Alton • Down Bentley Loop (incl.)	• Holybourne Oil Sidings • Alton platform 1 (incl.) • Alton platform 2 (incl.)
SW125 Southcote Junction to Basingstoke:	
Between Southcote Jn and Basingstoke: • Down Reading from Southcote Jn (8814 pts) to Basingstoke (2521 pts) • Up Reading from Basingstoke (2520 pts) to Southcote Jn (8817 pts)	• Down Reading from BE525 to BE531 (Bramley Level Crossing) • Up Reading from BE528 to BE522 (Bramley Level Crossing)

SW130 Eastleigh to Romsey	
SW135 Eastleigh to Fareham:	
Between Eastleigh South Jn and Botley: • Down Portsmouth from Eastleigh South Jn (476 pts) to E827 • Up Portsmouth from E826 to Eastleigh South Jn (476 pts)	• Down Portsmouth from E829 to Botley station (480B pts) • Up Portsmouth from Botley station (480A pts) to E828 • Jubilee Sidings • Depot Entrance Line (Eastleigh Airport Sidings) • Washing Machine Road (Eastleigh Airport Sidings) • Through Road (Eastleigh Airport Sidings)
Between Botley and Fareham (East) Jn : • Down Portsmouth Up from Botley station (480A pts) to E821 • Down Portsmouth from E821 to Fareham (East) Jn (595 pts) • Up Portsmouth from Fareham (East) Jn (594 pts) to E822	• Down Siding 1 (Fareham) • Down Siding 2 (Fareham)
SW140 St Denys to Portcreek Junction:	
Between St Denys and Portcreek Jn: • Down Netley from St Denys (490 pts) to E811 • Up Netley from E808 to St Denys (491B pts) • Down Portsmouth from Fareham (East) Jn (595 pts) to E815 • Up Portsmouth from E816 to Fareham (East) Jn (594 pts)	• Up Bay (Fareham) (incl.) • Down Portsmouth from E815 to Cosham Jn (2650 pts) (axle counter detection in use) • Up Portsmouth from Cosham Jn (2651 pts) to E816 (axle counter detection in use)
SW145 Northam Junction to Canute Road:	
Between Northam Jn and Canute Road Level Crossing: • No permissions	• All lines
SW150 Redbridge to Salisbury Tunnel Junction:	
Between Redbridge Jn and Romsey Jn: • Down Test Valley from Redbridge Jn (567 pts) and Romsey Jn (586 pts) • Up Test Valley from Romsey Jn (588 pts) to Redbridge Jn (569 pts)	• No restrictions
Between Romsey Jn and Mottisfont & Dunbridge: • Down Salisbury from E881 to SY1R • Up Salisbury from E890 to E882	• Down Salisbury from E881 to E883 • Down Salisbury from E885 to SY1R • Up Salisbury from E890 % Kimbridge Level Crossing • Romsey station platform limits • Up Siding (Romsey)
Between Mottisfont & Dunbridge and Salisbury Tunnel Jn: • Down Dean from SY1R to Salisbury Tunnel Jn (106 pts) • Up Dean from Salisbury Tunnel Jn (105 pts) to E890	• Down Dean from SY1R % Dean Level Crossing • Up Dean from SY6 to E890
SW155 Totton to Fawley (Goods Line)	

Between Totton Jn West to Fawley: • No permissions	• Down Fawley Up from Totton Jn West (576A pts) to Fawley (incl.)
SW160 Brockenhurst to Lymington Pier	
Between Brockenhurst and Lymington Pier: • No permissions	• Lymington Single from BH17 to Lymington Pier (incl.)
SW170 Westbury to Wilton Junction	
Between Warminster and Wilton Jn: • Down Warminster from SY72R to Wilton Jn (142 pts) • Up Warminster from Wilton Jn (141A points) to SY73	• Quidhampton Sidings (incl.) • Down Warminster from SY72 % Wylye Level Crossing • Up Warminster from SY61 % Upton Lovell Level Crossing
SW175 Castle Cary to Dorchester Junction	
Between Castle Cary and Yeovil Pen Mill: • Down Main (incl.) • Up Main (incl.)	• Single from Yeovil Pen Mill (52 pts) to W147 (Castle Cary Jn)
Between Yeovil Pen Mill and Dorchester Jn: • Down Branch (incl.) • Up Branch (incl.)	• Single from Yeovil Pen Mill (26 pts) to Dorchester West (555B pts)
SW178 Yeovil Junction to Yeovil Pen Mill	
Between Yeovil Jn and Yeovil Pen Mill: • No permissions	• Single line from Yeovil Jn (2811 pts) to SE4752 • Single line from SE4752 to YPM2 (axle counter detection in use) • Single line from YPM2 to Yeovil Pen Mill (18 pts) • Yeovil Up Siding •
SW180 Raynes Park to Horsham	
Between Raynes Park and Motspur Park Jn: • Down Epsom from W401 to Motspur Park Jn (830 pts) • Up Epsom from Motspur Park Jn (831 pts) to W400	• Down Epsom from W403 % West Barnes Lane Level Crossing • Up Epsom from W402 % West Barnes Lane Level Crossing • Down Epsom from W407 % Motspur Park Level Crossing • Up Epsom from W408 % Motspur Park Level Crossing
Between Motspur Park Jn and Epsom South Jn: • Down Epsom from Motspur Park Jn (830 pts) to Epsom South Jn (844B pts) • Up Epsom from Epsom South Jn (846 pts) to Motspur Park Jn (831 pts)	• No restrictions
Between Epsom North Jn and Leatherhead Jn: • Down Portsmouth from W451 to Leatherhead Jn (860 pts) • Up Portsmouth from Leatherhead Jn (861 pts) to W454	• Down Siding (Epsom) • Up Siding (Epsom) • Down Portsmouth from W475 % Ashtead Level Crossing • Up Portsmouth from W474 % Ashtead Level Crossing
Between Leatherhead Jn and Boxhill & Westhumble: • Down Portsmouth from Leatherhead Jn (860 pts) to CA184 • Up Portsmouth from W498 to Leatherhead Jn (861 pts)	• No restrictions

SW185 Motspur Park to Chessington South	
Between Motspur Park Jn and Chessington South: • Down Chessington from Motspur Park Jn (830 pts) to W421 • Up Chessington from W418 to Motspur Park Jn (831 pts)	• Chessington South station platform limits • Up Sidings (Chessington South) • Coal/Stone Depot (Tolworth)
SW190 New Malden to Shepperton	
Between New Malden Jn and Shacklegate Jn: • No permissions	• Down Kingston from BEF2419 to Shacklegate Jn (4120 pts) (axle counter detection in use) • Up Kingston from Shacklegate Jn (4121 pts) to W212 (axle counter detection in use)
Between Shacklegate Jn and Shepperton: • No permissions	• Down Shepperton from Shacklegate Jn (4120 pts) to Shepperton Buffer Stops (axle counter detection in use) • Up Shepperton from BEF2544 to Shacklegate Jn (4121 points) (axle counter detection in use)
SW195 Hampton Court Junction to Hampton Court	
Between Hampton Court Jn and Hampton Court: • Down Hampton Court from WK527 to WK531 • Up Hampton Court from WK522 to Hampton Court Jn (2114 pts)	• Down Hampton Court from WK531 to Hampton Court Buffer Stops • Up Hampton Court from Hampton Court Buffer Stops to WK522
SW200 Hampton Court Junction to Guildford	
Between Hampton Court Jn and Effingham Jn: • Down Cobham from Hampton Court Jn (2117 pts) and Effingham Jn (3150 pts) • Up Cobham from Effingham Jn (3151 pts) to Hampton Court Jn (2119 pts)	• Down Cobham from WK709 % Cooks Level Crossing • Up Cobham from WK712 % Cooks Level Crossing
Between Effingham Jn and Guildford: • Down Cobham from Effingham Jn (3150 pts) to GD745 • Up Cobham from GD744 to Effingham Jn (3151 pts)	• Effingham Junction station platform limits (all lines) • Down Sidings (Effingham Junction)
SW205 Leatherhead to Effingham Junction	
Between Leatherhead Jn and Effingham Jn: • Down Bookham from Leatherhead Jn (860 pts) to Effingham Jn (3150 pts) • Up Bookham from Effingham Jn (3151 pts) Leatherhead Jn (861 pts)	• No restrictions
SW210 Clapham Junction to Reading	
Between Clapham Jn and Barnes Jn: • Down Windsor Slow from W307 to Barnes Jn (2588 pts) • Down Windsor Fast from W309 to Barnes Jn (2588 pts) • Up Windsor Slow from Barnes Jn (2587 points) to W302 • Up Windsor Fast from Barnes Jn (2587 pts) to W300	• No restrictions

Between Barnes Jn and Richmond: • No permissions	• Down Richmond from Barnes Jn (2588 pts) to BEF2103 • Up Richmond from W532 to Barnes Jn (2587pts)
Between Richmond and Twickenham Jn: • No permissions	• Down Twickenham from BEF2103 to Twickenham Jn (4324 pts) (axle counter detection in use) • Up Twickenham from BEF2134 to W532 (axle counter detection in use) • Twickenham Up Loop from BEF2456 to BEF2112 (axle counter detection in use)
Between Twickenham Jn and Staines Jn: • No permissions	• Down Twickenham from BEF2133 to Staines Jn (4353 pts) (axle counter detection in use) • Up Twickenham from Staines Jn (4354 pts) to BEF2134 (axle counter detection in use)
Between Staines Jn and Bracknell: • No permissions	• Down Twickenham from Staines Jn (4353 pts) to BEF2253 (axle counter detection in use) • Up Twickenham from BEF2252 to Staines Jn (4354 pts) (axle counter detection in use)
Between Bracknell and Wokingham Jn: • No permissions	• Down Twickenham from BEF2253 to Wokingham Jn (4389 pts) (axle counter detection in use) • Up Twickenham from Wokingham Jn (4390 pts) to BEF2252 (axle counter detection in use)
Between Wokingham Jn and Earley: • No permissions	• Down Southern from Wokingham Jn (4389 pts) to BEF2283 (axle counter detection in use) • Up Southern from BEF 2280 to Wokingham Jn (4390 pts)(axle counter detection in use)
SW225 Point Pleasant Junction to Wimbledon	
Between Point Pleasant Junction and Wimbledon • Putney Reversible from Point Pleasant Jn (693A pts) to East Putney (695A pts) • Down Putney from East Putney (965A pts) to W353 • Up Putney from East Putney (698 pts) to W352	• Down Putney from East Putney (697 pts) to Wimbledon (1-4) Buffer Stops (4th rail electrification in use) • Up Putney from Wimbledon (1-4) Buffer Stops to East Putney (698 pts) (4th rail electrification in use) • Westbound District Line to East Putney (697 pts) (4th rail electrification in use) • Eastbound District Line from East Putney (698 pts) (4th rail electrification in use)

SW230 Barnes to Feltham Jn	
Between Barnes Jn and Feltham Jn: • Down Hounslow % Vine Road (Hounslow) Level Crossing to BEF2333 • Up Hounslow % Grove Park Level Crossing to W550 • Up Hounslow % Vine Road (Hounslow) Level Crossing to Barnes Jn (2585 pts) •	• Down Hounslow from BEF2333 to Feltham Jn (4331 pts) (axle counter detection in use) • Up Hounslow from Feltham Jn (4332 pts) % Grove Park Level Crossing (axle counter detection in use) • Up Hounslow from W550 % Vine Road (Hounslow) Level Crossing • Down Kew Spur from Kew East Jn (206 pts) to New Kew Jn (4071A pts) (axle counter detection in use) • Up Kew Spur New Kew Jn (4075 pts) to Kew East Jn (207 pts) (axle counter detection in use) • Down Kew Branch from Kew East Jn (206 pts) to Old Kew Jn (4076 pts) (axle counter detection in use) • Up Kew Branch from Old Kew Jn (4079pts) to Kew East Jn (207 pts) (axle counter detection in use) • Down Hounslow Spur (incl.) (axle counter detection in use) • Up Hounslow Spur (incl.) (axle counter detection in use)
SW245 Twickenham to Shacklegate Junction	
Between Twickenham Jn and Shacklegate Jn: • No permissions	• Down Strawberry Hill from Twickenham Jn (4324 pts) Shacklegate Jn (4121 pts) (axle counter detection in use) • Up Strawberry Hill from Shacklegate Jn (4120 pts) to BEF2456 (axle counter detection in use)
SW250 Staines to Windsor & Eton Riverside	
Between Staines Jn and Windsor & Eton Riverside: • No permissions	• Down Windsor from Staines Jn (4353 pts) to Windsor & Eton Riverside Buffer Stops (axle counter detection in use) • Up Windsor from Windsor & Eton Riverside Buffer Stops to Staines Jn (4354 pts)
SW255 Virginia Water to Weybridge	
Between Virginia Water Jn and Chertsey: • No permissions	• Down Chertsey from Virginia Water Jn (4363 pts) to WK909 (axle counter detection in use) • Up Chertsey from BEF2718 to Virginia Water Jn (4364 pts) (axle counter detection in use)
Between Chertsey and Addlestone Jn: • Down Chertsey from WK909 to WK905 • Up Chertsey from Addlestone Jn (2141 pts) to WK906	• Down Chertsey from WK905 % Addlestone Level Crossing • Up Chertsey from WK906 to BEF2718
Between Addlestone Jn and Weybridge: • Down Chertsey % Addlestone Level Crossing to WK901	• Down Chertsey from WK901 to Up Bay (Weybridge) Buffer Stops • Up Chertsey from Up Bay Buffer Stops to Addlestone Jn (2141 pts)

SW260 Ascot to Ash Vale	
Between Ascot and Frimley: • No permissions	• Down Frimley from Ascot Jn (4374 pts) to WK407 (axle counter detection in use) • Up Frimley from BEF2822 to Ascot Jn (4375 pts) (axle counter detection in use) • Down Ascot Loop (incl.) (axle counter detection in use)
Between Frimley and Ash Vale Jn: • No permissions	• Down Frimley from WK407 to Frimley Jn (2301 pts) • Up Frimley from Frimley Jn (2301 pts) to BEF2822 • Ash Vale Single (incl.) • Down Ash Vale Branch from WK413 to Ash Vale Jn (2306 points) • Up Ash Vale Branch (2307 pts)
SW265 Guildford to Wokingham	
Between Guildford and Ash: • Down Ash from GD939 to GD951 • Up Ash from GD954 to GD940	• Guildford station platform limits • Down Ash from GD951 % Ash Level Crossing • Up Ash from GD954 % Ash Level Crossing
Between Ash and Aldershot South Jn: • Down Ash % Ash Level Crossing to Aldershot South Jn (3162 pts) • Up Ash from Aldershot South Jn (3161 pts) to GD954 • Down Ash Branch from Aldershot South Jn (3162 pts) to WK421 • Up Ash Branch from GD960 to Aldershot South Jn (3161 pts)	• No restrictions
Between Aldershot South Jn and North Camp: • Down Blackwater from Aldershot South Jn (3162 pts) to GD963 • Up Blackwater % North Camp Level Crossing to Aldershot South Jn (3162 pts)	• Down Blackwater from GD963 % North Camp Level Crossing
Between North Camp and Blackwater: • Down Blackwater % North Camp Level Crossing to GD967 • Up Blackwater % Farnborough North Level Crossing to GD966	• Down Blackwater from GD967 to BEF2973 • Up Blackwater from BEF2978 % Farnborough North Level Crossing
Between Blackwater and Wokingham Jn: • No permissions	• Down Blackwater from BEF2973 to Wokingham Jn (4389 pts) (axle counter detection in use) • Up Blackwater from Wokingham Jn (4390 pts) to BEF2978 (axle counter detection in use)
SW300 Gomshall to Shalford Junction	
Between Gomshall and Shalford Jn: • Down Redhill from GD911 to Shalford Jn (3141 pts) • Up Redhill from Shalford Jn (3140 pts) to GD912	• Down Redhill from GD901 to GD911 • Up Redhill from GD912 to GD908

Wessex Route GI - Dated: 03/08/2024

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Rule Book Module TW1 - Preparation and movement of trains : General

Section 2 - Classification and speed of trains

Speed of freight trains

Class 6, 7 and 8 freight trains (excluding MPV (Multi-Purpose Vehicle) OTM (On Track Machine) parcels trains and those listed in note (b) below)

These trains are limited to the maximum speeds shown below, subject to any lower limit imposed by the Rule Book Module TW3, Section 2 'Speed restrictions' or specified for individual vehicles or local permanent and temporary speed restrictions:-

Maximum permissible speed of line as shown in Table A diagrams	Maximum permissible speed of Class 6, 7 and 8 freight trains (excluding MPV's, OTM's & parcels trains)
90	60
85	55
80	50
75	50
70	45
65	40
60	40
55	35
50	30
45	30
40	25
35	20
30	30

NOTE:- No reduction in speed is required:-

a) where the maximum permissible speed of the line is less than 30 mph, or

b) where EWS International Traffic, Class 6 & 7, are authorised by the Person in charge, at either Dollands Moor or Wembley, to run at full line speed, or maximum train speed, whichever is lower, on CTRL 1, 2 & 3 routes, subject to the following restrictions:

CTRL1 Wembley-Latchmere Junction-Nunhead/Herne Hill-Maidstone East-Dollands Moor
Between the (Midland) London North Western Territory border on the cross London Lines to Shortlands Junction via the Chatham Main lines (Penge Tunnel) and the Catford Loop lines a maximum speed of 40 mph is applied to in both the up & down directions over this section and all lower speed restrictions to apply as normal.

CTRL 2 Wembley-Latchmere Junction-Orpington/Sevenoaks or Swanley/Otford/Sevenoaks-Dollands Moor
Between the (Midland) London North Western Territory border on the cross London Lines to Shortlands Junction via the Chatham Main lines (Penge Tunnel) and the Catford Loop lines a maximum speed of 40 mph is applied to in both the up & down directions over this section and all lower speed restrictions to apply as normal.

CTRL 3 Wembley-Latchmere Junction-Redhill-Tonbridge-Dollands Moor
Between the (Midland) London North Western Territory border on the cross London Lines to Purley Oakes Station via Balham & Selhurst a maximum speed of 40 mph is applied in both the up & down directions over this section and all lower speed restrictions to apply as normal.
Between the (Midland) London North Western Territory border on the cross London Lines to Purley Oakes Station via the alternative route from Balham via Crystal Palace and Norwood Junction a maximum speed of 25 mph is applied in both the up & down directions on the section of line between Crystal Palace and West Norwood and all lower speed restrictions to apply as normal.

c) on the following goods lines:-
Hoo Junction - Grain
Totton – Fawley

d) Freight trains are permitted to operate at full maximum permissible speed over the line between Southcote Junction and Basingstoke.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/17

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Rule Book Module TW1 - Preparation and movement of trains

Section 5.1 - Broken, distorted or damaged rails and broken fishplates

Kent Route

Examination of broken rails in tunnels

For the purpose of carrying out Rule Book, Module TW1, Section 5.1, the following tables identify those tunnels that are 800 metres (40 chains) or less in length for which the following procedure must be applied:

The person carrying out the examination must block the affected line as shown in Handbook 8, Handbook 20 and advise the Signaller that they will be entering the tunnel to examine the line.

Having established that it is safe to pass a train over the break at 5mph, the person carrying out the examination must establish a position of safety outside of the tunnel before giving up blockage of the affected line as shown in Handbook 8 or Handbook 20. The Signaller must then be advised that one train may be permitted to pass over the affected line.

The defective rail must be re-examined after the passage of each train.

The Signaller will then instruct the Driver that the emergency speed restriction is throughout the length of the tunnel.

Location/ Name of tunnel	Mileage		Fixed communications	
	London End	Country End	London End	Country End
SO110 Victoria to Ramsgate				
Fort Pitt Tunnel	33m 79ch	34m 19ch	SPT	SPT
Chatham Tunnel	34m 34ch	34m 48ch	SPT	SPT
Gillingham Tunnel	35m 07ch	35m 47ch	SPT	SPT
SO130 Charing X to Dover Priory				
Lucas Street Tunnel	05m 23ch	05m 26ch	SPT L232	SPT L231
Chislehurst Tunnel (slows)	09m 61ch	10m 10ch	SPT L326	SPT AD2
Chislehurst Tunnel (fasts)	09m 63ch	10m 10ch	SPT L328	SPT AD4
Chelsfield Tunnel	15m 67ch	16m 14ch	SPT AD72	SPT AD74
Sandling Tunnel	64m 76ch	65m 0.5ch	Dial phone at portal	Dial phone at portal
Martello Tunnel	71m 22.5ch	71m 47ch	Dial phone at portal	Dial phone at portal
SO140 Swanley to Ashford				
Eynsford Tunnel	18m 67ch	19m 24ch	Dial phone at Portal	Dial phone at Portal
Week Street Tunnel	40m 01ch	40m 06ch	SPT ME189	Dial Phone
Wheeler Street Tunnel	40m 09ch	40m 25ch	Dial phone	Direct Line ME43 Pts
SO160 Faversham to Dover Priory				
Selling Tunnel	56m 00ch	56m 33ch	Dial phone at portal	Dial phone at portal
Charlton Tunnel	76m 65ch	76m 77ch	Dial phone at portal	Dial phone at portal
Dover Priory Tunnel	77m 08ch	77m 16ch	Dial phone at portal	Dial phone at portal
Dover Harbour Tunnel	77m 32ch	77m 63ch	Dial phone at portal	Dial phone at portal

SO170 Tonbridge to Bopeep Jn				
Somerhill Tunnel	30m 14ch	30m 32ch	Dial phone at portal	Dial phone at portal
Wells Tunnel	33m 67ch	34m 24ch	Dial phone at portal	SPT
Grove Hill Tunnel	34m 38ch	34m 53ch	SPT	Dial phone at portal
Strawberry Hill Tunnel	35m 12ch	35m 25ch	Dial phone at portal	Dial phone at portal
Mountfield Tunnel	51m 46ch	51m 70ch	Dial phone at portal	Dial phone at Sub St
SO260 Brixton Jn to Shortlands Jn				
Denmark Hill Tunnel	04m 12ch	04m 15ch	SPT VS427 & VS429	SPT VS430 & VS432
Grove Tunnel	04m 30ch	04m 36ch	SPT VS433 & VS435	SPT VS436 & VS438
SO290 North Kent East Jn to Dartford				
Greenwich College Tunnel	05m 65ch	06m 05ch	SPT T L409	SPT TL410
Charlton Tunnel	08m 03ch	08m 10ch	Charlton Lane xing	SPT L435
Mount Street Tunnel	08m 14ch	08m 20ch	SPT L434	SPT L437
Dockyard Tunnel	08m 43ch	08m 50ch	SPT L466	SPT L438
Coleman Street Tunnel	08m 61ch	08m 65ch	SPT L439	SPT L440
George 1V Tunnel	08m 71ch	09m 02ch	SPT L439	SPT L441
Calderwood Street Tunnel	09m 12ch	09m 15ch	Nil	SPT A446
Cross Street Tunnel	09m 21ch	09m 27ch	SPT A446	SPT L444
SO300 Lewisham to Crayford Creek Jn				
Kidbrooke Tunnel	07m 26ch	07m 46ch	SPT L461	SPT L482
SO310 Hither Green to Maidstone West				
Greenhithe Tunnel	20m 03ch	20m 15ch	SPT A548	SPT A551
SO550 Redhill to Tonbridge				
Penshurst Tunnel	38m 13ch	38m 17ch	Direct line at Portal	Direct line at Portal
SO600 Willingdon Jn to Ashford				
Hastings Tunnel	61m 59ch	62m 14ch	SPT	Dial phone T.P. Hut
Mount Pleasant Tunnel	81m 60ch	81m 50ch	SPT EDL83	Nil - Mobile only
SO680 South Bermondsey to Horsham				
Leigham Tunnel	06m 62ch	06m 76ch	SPT VC772 & VC733	SPT TVC774 & TVC775
Streatham Tunnel	07m 09ch	07m 19ch	SPT TVC774 & TVC775	SPT TVC777 & TVC778

Rule Book Module TW1 - Preparation and movement of trains

Section 5.1 - Broken, distorted or damaged rails and broken fishplates

Sussex Route

Examination of broken rails in tunnels

For the purpose of carrying out Rule Book, Module TW1, Section 5.1, the following tables identify those tunnels that are 800 metres (40 chains) or less in length for which the following procedure must be applied:

The person carrying out the examination must block the affected line as shown in Handbook 8, Handbook 20, and advise the Signaller that they will be entering the tunnel to examine the line.

Having established that it is safe to pass a train over the break at 5mph, the person carrying out the examination must establish a position of safety outside of the tunnel before giving up blockage of the affected line as shown in Handbook 8 or Handbook 20. The Signaller must then be advised that one train may be permitted to pass over the affected line.

The defective rail must be re-examined after the passage of each train.

The Signaller will then instruct the Driver that the emergency speed restriction is throughout the length of the tunnel.

Location / Name of tunnel	Mileage		Fixed communications	
	London End	Country End	London End	Country End
SO500 Victoria to Brighton				
Redhill Sand Tunnel	20m 62ch	21m 12ch	Direct line - Three Bridges ASC	Direct line - Three Bridges ASC
Haywards Heath Tunnel	38m 05ch	38m 17ch	Dial phone at portal Direct line - Three Bridges ASC	Dial phone at portal Direct line - Three Bridges ASC
Patcham Tunnel	47m 63ch	48m 07ch	Direct line - Three Bridges ASC	Direct line - Three Bridges ASC
Cliftonville Tunnel	49m 56ch	50m 00ch	Direct line - Three Bridges ASC	Direct line - Three Bridges ASC
SO520 Three Bridges to Portsmouth Harbour (Via Horsham)				
North Stoke Tunnel	55m 30ch	55m 33ch	Dial phone at portal	Dial phone at portal
SO530 South Croydon to East Grinstead				
Riddlesdown Tunnel	13m 48ch	14m 06ch	Dial phone at portal Direct line - Three Bridges	Dial phone at portal Direct line - Three Bridges
Limpsfield Tunnel	20m 58ch	21m 03ch	Dial phone at portal	Dial phone at portal
SO540 Hurst Green to Uckfield				
Edenbridge Tunnel	24m 09.5ch	24m 24ch	Nil	Dial phone at portal
SO590 Keymer Jn to Eastbourne				
Lewes Tunnel	49m 49ch	49m 67ch	SPT on LW1 (Down)	Dial phone at portal Direct line – Lewes Workstation

SO620 Brighton to Seaford				
Ditchling Road Tunnel	00m 63ch	00m 66ch	Direct line - Three Bridges & SPT T701	Direct line - Three Bridges ASC
Falmer Tunnel	03m 62ch	04m 05ch	Direct line - Three Bridges ASC	Direct line - Three Bridges ASC
Kingston Tunnel	07m 13ch	07m 18ch	Three Bridges Operating Centre – Lewes Workstation	Three Bridges Operating Centre – Lewes Workstation
SO630 Brighton to Littlehampton				
Hove Tunnel	00m 30ch	00m 40ch	Direct line - Three Bridges ASC	Direct line - Three Bridges ASC
SO650 Balham Jn Tunnel to Beckenham Jn				
Leigham Court Tunnel	06m 00ch	06m 17ch		
Crystal Palace	08m 16ch	08m 49ch	SPT VC727 at Gypsy Hill Station (Down)	SPT VC734 and VC730 at Crystal Palace Station (Up)
SO660 Purley to Tattenham Corner				
Kingswood Tunnel	21m 36ch	21m 50ch	Direct line - Three Bridges ASC	Direct line - Three Bridges ASC
Hoppity Tunnel	21m 61ch	21m 63ch	Direct line - Three Bridges ASC	Direct line - Three Bridges ASC
SO680 South Bermondsey to Horsham				
Knights Hill Tunnel	05m 32ch	05m 56ch	SPT VC755	SPT VC761
Leigham Tunnel	06m 62ch	06m 76ch	SPT VC772 & VC733	SPT VC775
Streatham Tunnel	07m 09ch	07m 19ch	SPT VC774 & VC775	SPT VC777 & VC778
Betchworth Tunnel	22m 60ch	22m 77.5ch	Dial phone at portal	Dial phone at portal

Rule Book Module TW1 – Preparation and movement of trains

Section 5.1 – Broken, distorted or damaged rails and broken fishplates

Wessex Route

Examination of broken rails in tunnels

For the purpose of carrying out Rule Book, Module TW1, Section 5.1, the following tables identify those tunnels that are 800 metres (40 chains) or less in length for which the following procedure must be applied:

The person carrying out the examination must block the affected line as shown in Handbook 8, Handbook 20, and advise the Signaller that they will be entering the tunnel to examine the line.

Having established that it is safe to pass a train over the break at 5mph, the person carrying out the examination must establish a position of safety outside of the tunnel before giving up blockage of the affected line as shown in Handbook 8 or Handbook 20. The Signaller must then be advised that one train may be permitted to pass over the affected line.

The defective rail must be re-examined after the passage of each train.

The Signaller will then instruct the Driver that the emergency speed restriction is throughout the length of the tunnel.

Location / Name of tunnel	Mileage		Fixed communications	
	London End	Country End	London End	Country End
SW105 Clapham Jn to Weymouth				
Litchfield Tunnel	55m 57ch	55m 66ch	Direct line at portal - Eastleigh ASC	Direct line at portal - Eastleigh ASC
Popham No1 Tunnel	57m 17ch	57m 29ch	Direct line at portal - Eastleigh ASC	Dial phone
Popham No2 Tunnel	57m 35ch	57m 43ch	Dial phone	Direct line at portal - Eastleigh ASC
Wallers Ash Tunnel	62m 22ch	62m 45ch		
Saint Cross Tunnel	68m 31ch	68m 33ch	EH148 SPT	EH155 SPT
Southampton Tunnel	78m 52ch	78m 76ch	Dial phone at portal	Dial phone at portal
Bincombe Tunnel	164m 44ch	165m 02ch	Direct line – Dorchester box	Direct line – Dorchester box
SW110 Woking Jn to Portsmouth Harbour				
Chalk Tunnel	30m 43ch	31m 01ch	Up line - GD826 SPT	Up line - GD828 SPT
Saint Catherines Tunnel	31m 13ch	31m 19ch	Up line - GD641 SPT	Dn line - GD831 SPT
Buriton Tunnel	57m 46ch	57m 68ch	Direct line at PLOD instrument - Havant ASC	Direct line at PLOD instrument - Havant ASC
SW115 Worting Jn to Exeter Saint Davids				
Fisherton Tunnel	82m 37ch	82m 57ch	SPTs SY31 SY37 or dial phone at portal	SY40 SPT
Gillingham Tunnel	107m 44ch	107m 78ch	Dial phone	Dial phone
Crewkerne Tunnel	132m 39ch	132m 48ch	Phone at Crewkerne AHB (132m 03ch)	Dial phone (076 6470) approx 50 metres from portal
SW120 Pirbright Jn toAlton				
Foxhills Tunnel	30m 64ch	31m 03ch	Dial phone	Up line - Dial phone
Aldershot Tunnel	34m 46ch	34m 50ch	Dn line – WK427 SPT	Up line – WK420 SPT

SW135 Eastleigh to Fareham				
Tapnage Tunnel	81m 34ch	81m 38ch	Dial phone at portal	Dial phone at Portal
Fareham No1 Tunnel	83m 13ch	83m 19ch	Dial phone at portal	Dial phone at portal
Fareham No2 Tunnel	83m 21ch	83m 46ch	Dial phone at portal	Dial phone at portal
SW175 Castle Cary to Dorchester Jn				
Grimstone Tunnel	156m 70ch	157m 20ch	Direct line - Dorchester Box	None
Poundbury Tunnel	161m 03ch	161m 15ch	None	None
SW180 Raynes Park to Horsham				
Mickleham Tunnel	19m 55ch	19m 78ch	Direct line - Wimbledon ASC	Direct line - Wimbledon ASC
SW190 New Malden to Shepperton				
Fulwell Tunnel	13m 03ch	13m 06ch	Dn line - BEF2515 SPT	None
SW205 Leatherhead to Effingham Jn				
Bookham Tunnel	20m 31ch	20m 35ch	Up line - dial phone at Bookham TP hut	Up line - W486 SPT
SW225 Point Pleasant Jn to Wimbledon				
East Putney Tunnel	6m 03ch	6m 17ch	Dn line - W361 SPT	Up line - W362 SPT
SW260 Ascot to Ash Vale Jn				
Bagshot Tunnel	33m 60ch	33m 66ch	Direct line – Basingstoke ROC	Direct line – Basingstoke ROC

South East (Kent, Sussex, Wessex) Territory GI – Dated: 19/04/2022

Rule Book Module TW5 - Preparation and movement of trains : Defective or isolated vehicles and on-train equipment

Section 26.4 Moving vehicles with wheelskates

Any movement using wheelskates on Kent, Sussex or Wessex routes is restricted to a maximum speed of **5 mph** when passing through **points and crossings** unless the Rolling Stock Technician imposes a more severe restriction.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/17

Handbook 2 - Instructions for track workers who use emergency protection equipment

Section 2 – Signal-post replacement switch

A SPRS may be used to place or hold an automatic or semi-automatic signal at Danger for the purpose of protecting a line that is unsafe.

The Signaller must be told immediately the switch has been turned to ‘Red’ and an assurance then given to the Signaller that the signal is at Danger.

The Signaller’s permission must be obtained before a signal post replacement switch is turned back to ‘Auto’.

The Signaller must make an entry in the Train Register each time that a switch is operated.

A person authorised to use a signal post replacement key/switch must be trained and competent in use of this equipment.

South East (Kent/Sussex/Wessex) Territory GI – Dated: 19/03/11

Rule Book Module HB5 - Handsignalling duties

Section 3 – Signal-post replacement switch

A SPRS may be used to place or hold an automatic or semi-automatic signal at Danger in the following circumstances:

4. Temporary Block Working (TBW) and,
5. Single line working (SLW)

The Signaller’s permission must be obtained before the switch is turned to ‘Red’.

In all cases the Signaller must be advised immediately the switch has been turned to ‘Red’ and an assurance then given to the Signaller that the signal is at Danger.

The Signaller’s permission must be obtained before a signal post replacement switch is turned back to ‘Auto’.

The Signaller must make an entry in the Train Register each time that a switch is operated.

A person authorised to use a signal post replacement key/switch must be trained and competent in use of this equipment.

South East (Kent/Sussex/Wessex) Territory GI – Dated: 19/03/11

Handbook 8 – IWA, COSS or PC blocking a line
Module HB21 Safe work leader (SWL) blocking a line

Section 2, Clause 2.3 – Disconnecting signalling equipment

Protection Arrangements

For the purposes of this procedure a track circuit may be considered as part of the signalling controls.

Points which can be disconnected, maintained, and detected, in one position which could be used to prevent trains approaching may also be considered part of the signalling controls.

Where reliance is placed on a track circuit showing occupied, a signalling technician disconnecting signalling equipment must make sure that the protection is not compromised by the setting of a shunt, call-on or warning class route, nor the approach control of main aspects.

South East (Kent/Sussex/Wessex) Territory GI – Dated: 19/03/11

Rule Book Module HB21 Safe work leader (SWL) blocking a line

Rule Book Module TS1 13.2 COSS, IWA, PC or SWL blocking a line

It is permissible on platform lines at terminal stations (Except Lymington Pier), on dead end bay lines at through stations and on the running lines shown in “Berthing of trains – Wessex in Module KSW1 of the Sectional Appendix”

When the work is to take place on the platform within 2 Meters of the platform edge **OR** it is necessary to clear the platform starting signal from the platform.

For the duration of the work the following additional protection must be provided by

1. During daylight: a “NOT TO BE MOVED” board, or a red flag

2. During darkness, fog or falling snow: a red light (steady or flashing) The SWL/ IWA, COSS or PC must make sure the protection is displayed on the platform side of the train:

1. at the end from which the train is to be driven, or

2. at both ends of the train if it can be driven from either end

If a signal is to be cleared for testing purposes the Signaller must confirm with the SWL/ IWA, COSS or PC that the not to be moved board has been provided.

(Wessex) Territory GI – Dated: 23/03/2023

Handbook 10 – Duties of the COSS and person in charge when using a hand trolley

Trolleys going into or through tunnels

With reference to Handbook 10, trolleys are prohibited from entering any tunnel except when a competent person has taken possession of the line concerned as shown in Rule Book module T3 and Rule Book Handbook 11.

Wessex Route GI – Dated: 08/07/24

ANIMALS ON THE LINE

NOTICE TO TRAINCREW, SIGNALLERS AND CONTROLLERS

Where the rules and regulations (Rule Book Module TS1, Section 18.2 and Rule Book Module TW1 Section 25) require that trains be cautioned because of animals on the line, this procedure need not be applied providing that the animals are:

- domestic, for example, dogs
- deer
- not more than 6 sheep

However, drivers are still required to make an initial report of the animals being 'on the line' and Network Rail response teams are mobilised to establish where the animals gained access to the line and where necessary effect repairs.

Once a report is received from a driver, then a general call will be put out via GSM-R to all trains in the area, advising them of the approximate vicinity of the incursion and that they are not required to stop to report the incident.

Drivers are advised that if they believe the safety of trains is at risk then they are instructed to carry out the relevant provisions of the Rule Book.

SWANS ON THE LINE

A train need only be cautioned for a swan on the line if the swan is reported to be within the "four foot" of the line concerned.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 10/03/18

AUTUMN AND WINTER ARRANGEMENTS FOR THE RUNNING OF RAILHEAD TREATMENT AND CONDUCTOR RAIL TREATMENT TRAINS

KENT, SUSSEX & WESSEX ROUTES

1. Types of rail conditioning trains

1.1 The Railhead Treatment Train (RHTT) and Snow Ice Treatment Train (SITT) consists of converted and specially-adapted wagons hauled by a locomotive at each end

1.2 The Multi-Purpose Vehicle (MPV) consists of a specially-built unit with driving cabs at each end.

2. Speed

2.1 The maximum speed of trains when water jetting, applying adhesion modifier and anti-de-icing is 60mph, although will normally undertake these activities at 40mph.

3. Notices

3.1. Notices will be produced detailing the locations where applying adhesion modifier and water jetting will take place.

3.2. Operations Control must advise signallers of any deviation from the railhead/conductor rail treatment plan which may be agreed to cater for exceptional circumstances or to treat a problem location not normally treated.

3.3. Signallers must pass details of changes to the booked plan to the train if instructed to do so by Operations Control.

4. Signalling arrangements

4.1 Railhead conditioning trains operated by a MPV will be described by train description code 3Sxx when operating water jetting and adhesion modifier diagrams.

4.2 Railhead Treatment Train consisting of specially adapted wagons hauled by a locomotive at each end will be described by train description code 3Wxx when operating water jetting diagrams.

4.3 Conductor Rail treatment trains operated by a MPV will be described by train description code 8Yxx

4.4 Conductor Rail Treatment Trains consisting of specially adapted wagons hauled by a locomotive at each end will be described by train description 3Yxx

4.5 Where train describers are not in use the all rail conditioning train will be described by special bell signal or special Is Line Clear signal 3-4-2

4.6 All types of rail conditioning trains may be relied upon to operate track circuits whether applying adhesion modifier or not. When applying adhesion modifier signallers must specially observe the passage of the train and the next train to follow over track circuits, where provided.

4.7 Signallers must deal with any failure by the train to operate a track circuit correctly by immediately applying Rule Book Module TS11, Section 14 and advising Operations Control of the failure. Rule Book Module TS1, Regulation 12 must be applied to all subsequent trains over the affected portion of line until at least 2 trains have operated the track circuit normally.

5. Permissive working arrangements

5.1 It is permitted for any MPV or locomotive hauled Railhead Treatment Train (RHTT) and Snow Ice Treatment Train (SITT) to be accepted under permissive platform arrangements

Wessex Route GI - Dated: 26/09/15

Axle Counters - Line Clear Verification (LCV)

In accordance with Network Rail Standard *NR/L3/OCS/084 - Line Clear Arrangements Following Engineering Works in Axle Counter areas - Line Clear Verification Process*, the following instructions must be followed.
The LCV process applies to the following lines of route:
LCV will also apply at a signal box where part of the applicable possession is within any of the following line of routes listed below:

Route	Sections of line where LCV is authorised
SW105 Clapham Junction to Weymouth	Up and Down lines from London side of New Milton station (98m 40ch) to London side of Moreton station (129m 79ch). In and out lines within Bournemouth Carriage Sidings between Branksome Junction (2052 and 2053 points) and Bournemouth Depot boundary
SW110 Woking Junction to Portsmouth Harbour	Up and Down lines from Havant side of Petersfield (56m 12ch) to Portsmouth Harbour (45m 36ch). Up and Down Spur lines from Farlington Junction (40m 33ch) to Cosham Junction (90m 43ch). Reception Road at Fratton East from junction with main line (43m15ch) to 43m 20ch. Back Road from Fratton Depot (43m 72ch) to Portsmouth & Southsea Down Carriage Sidings (44m 24ch).
SW140 St Denys to Portcreek Junction	Up and Down lines from Cosham side of Fareham (85m 16ch) to Portcreek Junction (91m 01ch). Up and Down Spur lines from Cosham Junction (90m 43ch) to Farlington Junction (91m 14ch).
SW165 Hamworthy – Hamworthy Goods (Goods Line)	Single line from Hamworthy (164 points 115m 77ch) and Hamworthy Goods (117m 29ch)
SW175 Castle Cary to Dorchester West	Single line Weymouth side of Castle Cary (130m 50ch) to London side of Yeovil Pen Mill (139m 70ch) Yeovil Pen Mill to Yeovil Junction (om 12ch to 1m 50ch)
SW190 New Malden to Shepperton	Down line from Norbiton side of Malden Level Crossing 10m 4ch to Shepperton Buffer Stops 18m 71ch Up line from Shepperton buffers tops to London side of Norbiton Station 10m 71ch Up and Down Shepperton Spur Lines from Strawberry Hill Junction 12m 28ch to Fulwell Junction 12m 56ch
SW230 Barnes to Feltham Junction (Via Hounslow)	Up and Down Hounslow lines from Kew side of Chiswick Station 8m 65ch to Feltham Junction 14m 38ch Up and Down Hounslow Spur lines from Hounslow Junction 14m 09ch to Whitton Junction 14m 39ch
SW250 Staines to Windsor and Eton Riverside	Up and Down Windsor lines from Staines Junction 19m 09ch to Windsor & Eton Riverside buffer stops 25m 47ch
SW255 Virginia Water to Weybridge	Up and down lines from Virginia Water Junction (24m 69ch) to Addlestone side of Chertsey station (21m 65ch)
SW260 Ascot Junction to Frimley Junction	Up and down lines from Ascot Junction (29m 01ch) to Frimley Junction side of Frimley station (37m 30ch)
SW265 Guildford to Wokingham	Up and Down Blackwater lines from Blackwater side of Farnborough North 54m 79ch to Wokingham Junction 61m 72ch
SW305 Brighton to Havant	Up and Down lines from Brighton side of Emsworth Station (35m 35ch) to Portsmouth Harbour (45m 36ch).

Details of the possession shall be published and endorsed “LCV POSSESSION” in the Weekly Operating Notice or Engineering Notice.

Wessex Route GI - Dated: 19/02/2024

Axle counters - lines equipped

The following lines of route are equipped with Axle Counters:

Route	Sections of line Equipped
SO110 Victoria to Ramsgate (via Herne Hill and Chatham)	Up and Down Chatham lines from country side of Longfield Station (24m 04ch) to London side of Gillingham Station (35m 54ch). Up and Down Chatham lines from country side of Gillingham Level Crossing (36m 35ch) to London side of Faversham Station (51m 31ch). Up and Down Thanet lines from Country side of Faversham station (52m 31ch) to Country side of Dumpton Park station (78m 46ch).
SO150 Sittingbourne (Eastern Jn) to Sheerness on Sea	Up and Down Sheppey Spur lines from Western Junction (43m 70ch) to Middle Junction (44m 13ch). Up and Down Sheppey lines from Eastern Junction (0m 00ch) to Middle Junction (00m 23ch). Up and Down Sheppey lines from Middle Junction (44m 13ch) to country side of Middle Junction (44m 21ch). Sheppey Single line from Country side of Swale station (47m 22ch) to London side of South Marsh crossing (47m 60ch).
SO160 Faversham to Dover Priory	Up and Down Chatham lines from Country side of Faversham station (52m 32ch) to Country side of Kearsney station (75m 50ch).
SO220 Ashford to Ramsgate (via Canterbury West).	Up and Down Stour lines from Countryside of Minster East Jn (82m 26ch) to London side of Ramsgate station (85m 14ch).
SO290 North Kent East jn to Dartford jn (Via Greenwich)	Up and Down Greenwich Lines from London side of Deptford Station (4m66ch) to Charlton Junction (7m35ch) Charlton Junction (7m35ch) to London side of Woolwich Arsenal Station (9m27ch
SO300 Lewisham to Crayford Creek Jn (Via Bexleyheath)	Up and Down North Kent Lines country side of Lewisham Station (6m34ch) to Charlton Junction (8m63ch) Up and Down Bexleyheath from Blackheath Junction (7m14ch) to Country side of Eltham Station (9m60ch)
SO310 Hither Green to Rochester Bridge Jn (via Dartford)	Up and Down North Kent lines on the London side of Rochester Bridge Junction (31m 28ch to 31m 34ch).
SO500 Victoria to Brighton	Down Brighton Slow, Up Brighton Slow, Down Brighton Fast and Up Brighton Fast from country side of Balham Jn (5m 21ch) to country side of Norbury (8m 03ch)
SO510 London Bridge to Epsom Downs	Down and Up Wallington and Epsom Downs Single from London side of Wallington station (12m45ch) to end of line at Epson Downs.
SO520 Three Bridges to Portsmouth Harbour	Up Main and Down Arun Valley lines from South Stoke Substation (56m 00ch) to Country end of Christ's Hospital station (40m 17ch). Up and Down lines from Brighton side of Emsworth station (35m 35ch) to Portsmouth Harbour (45m 36ch). Reception Road at Fratton East from junction with main line (43m15ch) to 43m 20ch. Back Road from Fratton Depot (43m 72ch) to Portsmouth & Southsea Down Carriage Sidings (44m 24ch).
SO590 Keymer Jn to Eastbourne	Up and Down Eastbourne from 9m 69ch on the Down Line (between Southerham Jn and Glynde) to London end of Eastbourne 22m 63ch. Up Line London end of Eastbourne 22m 63ch to Glynde 11m 10ch
SO600 Willingdon Jn to Ashford	Down and Up Bexhill from Willingdon Jn (20m 36ch) to St Leonards Depot Down Bexhill (31m 01ch) and (32m 16ch) Up Bexhill
SO680 South Bermondsey Jn to Horsham	Up Main and Down Main lines from London end of Warnham station (32m 60ch) to Country end of Betchworth Tunnel (22m 60ch). Down and Up Portsmouth from Leigham Tunnel (6m 62ch) London side of Ewell East (17m11ch)

Route	Sections of line Equipped
SO700 Streatham South Jn to Sutton (via Wimbledon)	Down and Up St Helier from Streatham South Jn (0m 00ch) to country side of Tooting (2m 11ch) and London side of South Merton (8m63ch) to Sutton (12m43ch).
SW105 Clapham Junction to Weymouth	Up and Down lines from London side of New Milton station (98m 40ch) to London side of Parkstone station (112m 40ch). In and out lines within Bournemouth Carriage Sidings (Light Maintenance Depot) between the Junction with main line at Branksome station (2052 and 2053 points) and Ground Frame points 7A.
SW110 Woking Junction to Portsmouth Harbour	Up and Down lines from Countryside of Petersfield (56m 12ch) to Portsmouth Harbour (45m 36ch). Up and Down Spur lines from Farlington Junction (40m 33ch) to Cosham Junction (90m 43ch). Reception Road at Fratton East from junction with main line (43m15ch) to 43m 20ch. Back Road from Fratton Depot (43m 72ch) to Portsmouth & Southsea Down Carriage Sidings (44m 24ch).
SW115 Worting Jn to Exeter St David's	Tisbury (SW115) (97m 60ch) to Pinhoe (167m 70ch)
SW140 St Denys to Portcreek Junction	Up and Down lines from Countryside of Fareham (85m 16ch) to Portcreek Junction (91m 01ch). Up and Down Spur lines from Cosham Junction (90m 43ch) to Farlington Junction (91m 14ch).
SW175 Castle Cary to Dorchester West	Single line country side of Castle Cary (130m 63ch) to London side of Yeovil Pen Mill (139m 69ch) Yeovil Pen Mill to Yeovil Junction (0m 12ch to 1m 50ch)
SW210 Clapham Junction to Southcote Junction (via Reading)	Up and Down Twickenham lines from Richmond side of North Sheen station 9m 35ch to Buffer Stops at Reading Station (68m 69ch)
SW230 Barnes to Feltham Junction (Via Hounslow)	Up and Down Hounslow lines from Kew side of Chiswick Station 8m 65ch to Feltham Junction 14m 38ch Up and Down Hounslow Spur lines from Hounslow Junction 14m 09ch to Whitton Junction 14m 39ch
SW250 Staines to Windsor and Eton Riverside	Up and Down Windsor lines from Staines Junction 19m 09ch to Windsor & Eton Riverside buffer stops 25m 47ch.
SW255 Virginia Water to Weybridge	Up and down lines from Virginia Water Junction (24m 69ch) to Addlestone side of Chertsey station (21m 65ch)
SW265 Guildford to Wokingham	Up and Down Blackwater lines from Blackwater side of Farnborough North 54m 79ch to Wokingham Junction 61m 72ch
SW305 Brighton to Havant	Up and Down lines from Brighton side of Emsworth station (35m 35ch) to Portsmouth Harbour (45m 36ch).

SO300 Lewisham to Crayford Creek Jn (Via Bexleyheath)	Up and Down North Kent Lines country side of Lewisham Station (6m34ch) to Charlton Junction (8m63ch) Up and Down Bexleyheath from Blackheath Junction (7m14ch) to Country side of Eltham Station (9m60ch)
SW305 Brighton to Havant	Up and Down lines from Brighton side of Emsworth station (35m 35ch) to Portsmouth Harbour (45m 36ch).

Where work is to take place in connection with the items listed below which involves disconnection or removal of any axle counter head, a Signalling Technician must be provided.

- Re-railing.
- Rail grinding past axle counter heads.
- Removal of rails with axle counter heads.
- Tamper, Stoneblower or Ballast Cleaner/Regulator operations past axle counter heads, but not including journeys to or from the work site.
- Motorised trolley operation.
- All work within 1 metre of axle counter heads with tools or any equipment which may disturb the operation of axle counter heads.
- Loading and unloading of materials which may disturb the operation of axle counter heads.
- Any other work which may affect axle counter heads.

Permanent Way and S & T Equipment utilising wheels for movement along tracks, such as trolleys and engineering skates, must not be used without the permission of the COSS/PC/PICOP. Such equipment must not access rails within 5 metres of any axle counter heads.

In connection with Rule Book Module T3 and Rule Book Handbook 11, when giving up a possession the PICOP must confirm that all axle counter sections within the possession area are clear and safe to run on.

Under certain conditions drivers will be required to undertake examination of the line in connection with the resetting of axle counter sections and will be requested to report to the signaller at an appointed location to confirm the status of the line being examined.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 19/02/2024

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Berthing of trains - Kent Route

When berthed on a running line during darkness or other conditions of poor visibility the person in charge must place a lamp displaying a red aspect at the end(s) of the train to face any movement that may approach on the same line.

Trains must not be berthed on running lines except:-

a)on platform lines at terminal stations,
b)on dead end bay lines at through stations
c) on the lines shown below:-

Place	Line(s)
Ashford (Kent)	Down and Up loops International loop/platform 4 (class 373 units only) International Main/platform 3 (class 373 units only)
Canterbury West	Down Loop Line
Dartford	No. 1 platform
Dollands Moor	Through Passenger line between AD796 & AD813 signals Freight vehicles with locomotive attached and multiple unit passenger vehicles
Dover Priory	Up platform loop
Faversham	Down and Up platform loops
Folkestone East	Nos. 1, 2 and 3 Train Roads
Gillingham (Kent)	Up platform loop
Hastings	No. 4 platform
Lenham	Down and Up passenger Loops
Ramsgate	Nos. 1 and 4 platforms
Rochester	No 3 platform/ Down Rochester Loop (only classes 700, 707, 375, 376, 377, 378, 395 & 465/6 multiple units)
Rochester	Up Rochester Loop
Sevenoaks	Platform 4 Only applies when Down sidings and Gusset required for maintenance activities (only classes 700, 707, 375, 376, 377,, 395 & 465/6 multiple units)
Rainham	Up Rainham Bay Platform No.0
Sittingbourne	Down platform Loop
Stewarts Lane	Up Goods Loop
Strood	Up Loop
Tonbridge	Up platform Loop No. 1

Units of class 375, 376, 377, 395, 465, 466, 700 and 707 may be immobilised for up to 2 hours without a driver in attendance at the Kent Route station platforms shown in the table below:

Place	Line(s)
Ashford	Platforms 2 and 5
Blackfriars	Platforms 3 and 4
Dartford	Platforms 2, 3 and 4
Dover Priory	Platform 1 and 2
Grove Park	Platform 1
Hastings	Platforms 2 and 3
Margate	Platform 2
Ramsgate	Platforms 2 and 3
Sevenoaks	Platform 2, 3 and 4

Units of Class 375, 376, 377, 395, 465, 466, 700 and 707 may be immobilised for up to 2 hours without a driver in attendance for the purposes of engineering works and emergencies only (subject to agreement on engineering access) at the following locations

Place	Line(s)
Blackfriars	Platform 3 and 4
Battle	Down and Up platforms
Canterbury East	Down and Up platforms
Canterbury West	Down and Up platforms
Deal	Down and Up platforms
Faversham	Platforms 2 and 3
Gillingham	Platforms 2 and 3
Headcorn	Down and Up platform loops
Herne Bay	Down and Up platforms
London Bridge	Platforms 1 to 9
Maidstone East	Platforms 1 and 2
Orpington	Platforms 2, 3, 4 and 5
Paddock Wood	Down and Up platform loops
Rainham	Down and Up platforms
Robertsbridge	Down and Up platforms
Sittingbourne	Platforms 1 and 2
Sole Street	Down and Up platforms
Strood	Platforms 1 and 2
Tonbridge	Platforms 2 and 3
Tunbridge Wells	Platforms 1 and 2
Wadhurst	Down and Up platforms
Whitstable	Down and Up platforms

South East (Kent, Sussex, Wessex) Territory GI - Dated: 09/01/2021

Berthing of trains - Sussex Route

When berthed on a running line during darkness or other conditions of poor visibility the person in charge must place a lamp displaying a red aspect at the end(s) of the train to face any movement that may approach on the same line.

Trains must not be berthed on running lines except:

a) on platform lines at terminal stations,
b) on dead end bay lines at through stations
c) on the lines shown below:

Place	Line(s)
Barnham	Down Platform loop
Dorking	Down loop
East Grinstead	Platforms 1 and 2 classes 171, 375, 377, 387 and 700 only
Epsom Downs	Class 377 only
Gatwick Airport	Reversible loop
Haywards Heath	Platforms 1 and 4 classes 171, 319, 375, 377, 387 and 700 only
Horsham	Down and Up loops
Hove	Loop
Lewes	Platform 5 classes 171, 313, 375, 377 only

Purley	Platform 6 class 377, 700 only
Sutton	Platform 4 class 377 only
Three Bridges	Up Platform Loops, Platforms 2&3
Worthing	Up Platform loop class 150, 158, 159, 377, 387 and 700 only

Units of class 165, 166, 375, 377, 387 and class 700 may be immobilised for up to 2 hours without a driver in attendance at the Sussex Route station platforms show in the table below:

Place	**Line(s)**
Gatwick	Platforms 1 & 2
Horsham	Platform 3
Redhill	Platform 0

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/09/2022

Berthing of trains - Wessex Route

When berthed on a running line during darkness or other conditions of poor visibility the person in charge must place a lamp displaying a red aspect at the end(s) of the train to face any movement that may approach on the same line.

Trains must not be berthed on running lines except:-

a) on platform lines at terminal stations,

b) on dead end bay lines at through stations
c) on the lines shown below:-

Place	**Line(s)**
Aldershot	Down Platform loop
Basingstoke	No.1 Platform
Bournemouth	No.4 Platform (Down platform extension)
Brockenhurst	Up Passenger loop
Eastleigh	Up Slow platform
Guildford	All platforms
Haslemere	Up loop
Salisbury	Nos. 2 & 3 platforms
Southampton Central	Nos. 2, 3 & 4 platforms
Surbiton	Platform 4

South East (Kent, Sussex, Wessex) Territory GI - Dated: 11/08/18

Breakdown Appliances

General

Breakdown cranes are no longer allocated to the Kent, Sussex and Wessex Routes. Requests for breakdown and recovery services on infrastructure controlled by the Kent, Sussex and Wessex Routes are made via the Control Manager.

The permission of the Territory Structures Engineer must be obtained before a crane is allowed to work, or is prepared for use whilst standing on a bridge, arch or viaduct. Similarly, the owner's representative responsible for the maintenance of the sidings must be consulted before a crane is taken into sidings, to ensure that it will not foul permanent structures or traffic on adjoining lines and that curves and underbridges can be safely negotiated.

Breakdown cranes and rail vans are allocated to the following locations as required from the Network Rail national fleet: -

- Old Oak Common
- Cardiff Canton
- Toton
- Crewe
- Thornaby
- Eastleigh (Outbased at Ludgershall)

All Cranes are 75/76t.

Road/Rail recovery vehicles (BRUFFs) are kept at the following locations:-

- Old Oak Common — Owned and operated by EW&S Railway Ltd.
- Hornsey — Owned and operated by First Capital Connect.
- Cardiff Canton (Road only) — Owned and operated by EW&S Railway Ltd.

Other Restrictions

At or between	Restrictions
All lines	All cranes - maximum speed of 60 mph
Folkestone Harbour	All cranes prohibited beyond electrified lines
Blackfriars and Elephant & Castle	All cranes prohibited
Spa Road and Bricklayers Arms Jn	All cranes - maximum speed of 25 mph. over reversible line
Pulborough and Arundel	All cranes - maximum speed of 40 mph
Oxted and Uckfield	All cranes - maximum speed of 40 mph
Southerham Jn and Southease	All cranes - maximum speed of 20 mph over Glynde Reach Bridge at 52m 20ch
Weymouth and Weymouth Quay	All cranes prohibited
Gillingham and Exmouth Jn	All cranes - maximum speed of 25 mph
Ash Vale Jn and Alton	All cranes - maximum speed of 40 mph over bridge No.5 at 32m 32ch between Ash Vale Jn and Ash Vale
Yeovil Pen Mill and Yeovil Jn	All cranes - maximum speed of 25 mph
Castle Cary and Dorchester Jn	All cranes - maximum speed of 25 mph

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Class 73 electro-diesel locomotive working on diesel power

When a train hauled by an electro-diesel locomotive is required to travel over a section of line where electric traction current is normally available but has been isolated due to incident or engineering works, etc. the following will apply:-

- Train running with normal load - train times over the section of line concerned to be increased by 50%.
- Trains running at normal speed – train loading to be reduced by 60%.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

CLASS 220 UNITS

The class 220 can operate in passenger operation with other class 220 units or class 221 units up to a maximum of nine cars. The class 220 can also operate in empty stock formation up to a maximum of 16 cars.

A class 220 may assist another class 220 or class 221 up to a maximum overall formation of 16 cars.

Assistance can be carried out by any train which can be coupled directly, or by use of an emergency coupler using twin brake pipe system.

Wessex Route GI - Dated: 04/04/15

CLASS 221 UNITS

The class 221 can operate in any formation up to ten cars. The class 221 may operate coupled with a class 220 up to a maximum of nine cars. The class 221 can operate in empty stock formation up to a maximum of 16 cars.

A class 221 may assist another class 221 or class 220 up to a maximum overall formation of 16 cars.

Assistance can be carried out by any train which can be coupled directly, or by use of an emergency coupler using twin brake pipe system

Wessex Route GI - Dated: 04/04/15

Class 92 locomotives - route availability

Class 92 locomotives are permitted to operate/travel over the Kent, Sussex and Wessex Routes as follows:-

General

If two Class 92 locomotives are coupled together or used in the same train formation, then only one is permitted to be under power and connected to the traction electrical supply system.

Train paths for Class 92 locomotives must be planned such that no more than 3 Class 92 locomotives drawing power are present between substations at any one time.

In the case of unplanned movements of Class 92 locomotives, Network Rail Operations Control must ensure that the additional locomotive(s) do not result in more than 3 Class 92 locomotives drawing power between substations.

Hauled 'dead-in-tow'

Over all RA 8 routes (also over certain RA 7 routes, as shown in the following pages) subject to the following conditions:-

- Pantograph to be secured in the down position
- Shoegear to be secured in the raised position and isolated
- Battery isolating switch to be placed in the isolated/off position

Operation on the AC power supply

Saltwood Jn (clear of position light signal AD 2157) to the Network Rail / Eurotunnel Signalling Boundary by all routes, and within Dollands Moor Yard.

Subject to the following conditions:-

- Maximum of two locomotives in multiple
- Regenerative Braking must NOT be used.

Operation on the DC power supply

Permitted only between Boundary with Eurotunnel, Saltwood Jn and Mitre Bridge Jn via:-

Tonbridge, Orpington, Shortlands Jn and Herne Hill or Catford Loop and then via Factory Jn, Longhedge Jn and Latchmere Jn.

and

Maidstone East, Swanley, Shortlands Jn and Herne Hill or Catford Loop and then via Factory Jn, Longhedge Jn and Latchmere Jn.

Also permitted between Sevenoaks and Otford Jn via Bat & Ball and Longhedge Jn, Ludgate Jn into Clapham Jn sidings 48 & 49.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/09/22

Clipped and padlocked emergency crossovers

1. These crossovers are normally clipped and padlocked out of use. The keys of the padlocks must be kept securely at a location so that they are readily available in an emergency. The points and clips must be maintained so that they are available for instant use.
2. Before a crossover is used the Signaller and the person in charge must come to a clear understanding as to the movements to be made. The protecting signal on each line and, in Track Circuit Block areas, the signal next in rear if the crossover is within the overlap of the protecting signal, must be placed or maintained at danger until the points are again clipped and padlocked out of use and normal working is resumed. Signal post replacement switches must be operated as directed by the Signaller and an assurance given to the Signaller that the signals are displaying a red aspect.
3. Alteration to the position of the points must only be made under the authority of the Signaller who must be advised when the points have been secured in the required position. Movements over the crossover may only be made under the Signaller's authority.
4. If the crossover is within the overlap of the protecting signal or, in Absolute Block areas, within the clearing point ahead of the home signal, movements towards that signal must not be permitted unless the crossover is secured in the normal position and the line is clear to the overlap or clearing point. The crossover must remain secured in the normal position until the movement has passed clear of the crossover or has been stopped at the protecting signal.
5. When it is agreed with the Signaller that the crossover is no longer required for use the person in charge must ensure that it is secured for normal working and replace signal post replacement switches to the 'Auto' position as instructed by the Signaller.

NOTE: The above instructions will not apply when a crossover which is to be used for engineering purposes, is wholly within a section of line under absolute possession in accordance with the Rule Book, Module T3 and Rule Book Handbook 11.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 11/06/11

Conveyance of coaching stock by freight trains

The term 'coaching stock' includes service department (ex coaching stock) vehicles.

Four-wheeled vehicles with a wheelbase of less than 15 feet (4.572 metres) must not be intermixed with bogie coaching stock.

Electric traction coaching stock must not be conveyed by freight train unless specially authorised by the Route Operations Manager and appropriate TOC/FOC.

Non-electric traction coaching stock may be conveyed without special authority.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

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COUPLING RESTRICTIONS FOR LOCOMOTIVES

With the exception of the Routes listed in the tables Y and X below, three 'live' locomotives (of any permitted class) may work coupled together. When hauling dead locomotives, up to five locomotives may be coupled together, including the hauling locomotive(s), without special authority. In addition the following restrictions apply:

ELR	LOR	Route description	Restriction
TBH1	SO520	Billingshurst – Arundel Jn	20mph over Bridge 397 Thorndell Viaduct (52m 74ch)
BML1	SW105	Clapham Jn - Wimbledon	Clapham Jn and Worgret Jn. Five locomotives may work coupled together between Allbrook and Eastleigh Diesel Depot (via exit roads 1 and 2) and X between Worgret Jn and Weymouth.
SDP2	SW140	Quay Viaduct - Cosham Jn	40 mph over Wallington Viaduct (85m 33ch and 85m 44ch between Fareham and Portchester) if there is more one locomotive and any of them conform to RA7 or above.

Table Y details the routes over which :

- Two 'live' locomotives may work coupled together. Locomotives that conform to RA7 or above must work singly and not coupled to any other locomotive (except in an emergency when it is necessary to do so in order to clear the line) and that there are certain restrictions which must be adhered to when it is necessary to haul a 'dead' locomotive.
- One locomotive may haul another locomotive but spacing wagons of a minimum length of 45 feet (14 metres) must be marshalled between the two locomotives when one or both locomotives conform to RA7 or above.

Table Y - Coupling restrictions for locomotives

ELR	LOR	Route description
BSP1	SO110	Battersea Pier Jn - SO250 (Stewarts Lane Jn) (via Battersea Reversible)
VIR	SO110	Battersea Pier Jn - Factory Jn
VIR	SO110	Rochester Bridge Jn -Rochester
XTD	SO130	Charing Cross - Tanners Hill Jn
CBM	SO130	Cannon Street - Borough Market Jn
CSW	SO130	Cannon Sub Station - Metropolitan Jn (via Metropolitan Reversible line)
LTC	SO280	Loughborough Jn - Cambria Jn
PSF	SO300	Perry Street Fork Jn - Slade Green Jn (SO290)
VTB1	SO500	Victoria Platforms 9 - 19 - Falcon Jn
LBW	SO510	London Bridge Platforms 10 – 15 - Bricklayers Arms Jn
SCU1/HGG1	SO530	Selsdon Road Jn - End of Line beyond East Grinstead
BTH1	SO680	South Bermondsey Jn (SO510) - Tulse Hill North Jn
LTH	SO680	Tulse Hill - Leigham Jn (SO650)
JAT / BML1	SW100	Waterloo - West London Jn
WTQ	SW105	Weymouth Quay line
WPH2	SW110/SO520	Portsmouth and Southsea High Level - Portsmouth Harbour
PAA1/2	SW120	Ash Vale Jn - Alton
SWE	SW250	Wraysbury - Windsor and Eton Riverside

Table X details the routes over which :

- two 'live' locomotives of any permitted class may work coupled together;
- one locomotive may dead haul another locomotive

Table X - Coupling restrictions for locomotives		
ELR	**LOR**	**Route description**
MCL / FTL / HHH	SO280	Route Boundary (LN3213) - Blackfriars Jn
BMJ	SO280	Blackfriars Jn - Metropolitan Jn (SO130)
BNG	SO350	Grove Park (SO130) - Bromley North
VTB1	SO500	Victoria Platforms 9 - 19 - Victoria Carriage Sidings
RSJ	SO560	Redhill (SO500) - Route Boundary Wessex (SW300)
BTL	SO620	Montpelier Jn - Lewes
BLI1	SO630	Brighton Platforms 1 and 2 - Hove Jn
PAT	SO660	Purley (S0500) - Caterham
TAT	SO660	Purley (S0500) - Tattenham Corner
SMS1/2	SO700	Tooting - Sutton
NGL	SW200	Hampton Court Jn (SW105) - Effingham Jn
LEJ	SW205	Leatherhead - Effingham Jn (SW200)
PPW	SW225	Point Pleasant Jn (SW210) - East Putney
RSJ	SW300	Route Boundary (SO560) - Shalford Jn (SW110)

South East (Kent, Sussex, Wessex) Territory GI - Dated: 29/03/16

Croydon Tramlink lines adjacent to Network Rail lines between Birkbeck & Beckenham Junction and at Wimbledon

General

There is no physical connection or signalling interface between Tramlink and Network Rail lines. Tramlink signals consist of five white lights displayed either horizontally or vertically. These are only relevant to Tramlink Drivers. Tram Drivers have radio contact with their control centre. In an emergency Tramlink Control can be contacted via the Victoria Signaller, or on Tel. No 020 8689 5613

Tramlink lines are electrified on an overhead 750v dc system. No part of a person's body, clothing or anything being used must come within one metre of any live part of the live overhead line equipment.

Trams can travel at a maximum speed of 50 mph, but can stop within the distance that the driver can see to be clear.

Track circuit operating clips cannot be used on Tramlink lines and if it is necessary to stop trams Tramlink Control must be contacted as shown above.

Tramlink staff do not have PTS certificates. Tramlink staff whose duties require them to go on or near Network Rail lines will be in possession of a Tram Safety Awareness certificate and this is deemed to be equivalent to a PTS certificate. Normal duties of Tramlink staff will not require them to go onto Network Rail lines.

Trams are equipped with amber hazard lights at each end and on the sides. In the event of an emergency the tram Driver will switch on the hazard lights. If a tram with hazard lights flashing is observed this must be regarded as a potential danger to Network Rail lines and staff must act in accordance with the Rule Book, Module TW1, Section 43.1 – 43.5.

At times blue flashing lights may be observed on Tramlink overhead line supports. These are only of relevance to Tramlink staff.

Between Birkbeck and Beckenham Junction

If it is necessary for traincrew to work on the outside of the train adjacent to the Tramlink line, or if it is necessary to detrain passengers the Signaller at Victoria must be advised and requested to make arrangements to stop Tram movements.

Work must not start until the Signaller has given an assurance that trams have stopped.

In addition to normal procedures unless there is immediate risk to passenger safety the Driver must seek an assurance from the Signaller that trams have been stopped before passengers are detrained.

Staff must be aware that trams will not necessarily sound an audible warning to persons on or near the line. Staff must not go on the Tramlink line except in an emergency.

Staff must also be aware that if a train and tram are approaching together they must not lie down between the lines (six foot).

South East (Kent, Sussex, Wessex) Territory GI - Dated: 07/12/13

D.C. Electric Traction current loading

The number of electric locomotives or electric multiple units working under D.C. electric power in any train or movement must be limited to avoid excessive traction current being drawn.

A conductor rail current index number is allocated to locomotives and electric multiple units as set out below. Unless specially authorised, the combined index numbers of all locomotives and electric multiple units working under DC electric power in train or movement (whether or not in multiple) must not exceed 16 (or any lower figure for the route concerned as detailed in the local instructions).

	Index No.
Class 73 locomotives	8
Class 442 electric multiple units	7
4 car electric multiple units	4
3 car electric multiple units	4
2 car departmental units (except units nos. 931001, 931002 and 932053)	4
2 car electric multiple units	4
2 car departmental units nos. 931001, 931002 and 932053	2
Class 489 Gatwick Express Luggage Vans	2
Single car departmental units (former Class 419 Motor Luggage Vans)	2

Notes:

The conductor rail index of trains formed of Class 319 units must not exceed 12. Trains must not exceed 3 4 car electric multiple units unless additional electrical multiple units have the traction equipment isolated.

Class 373 units and class 92 locomotives are only authorised to work under DC electric power on those routes listed in the route clearance tables of Modules SE2 and SE3 of the Kent, Sussex & Wessex Routes Sectional Appendix. They must not be worked under power in any movement when coupled to any other electric traction unit that is working under DC electric power.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 03/12/11

DC Electrified Lines - Temporary Isolation Process - Southern Region Temporary Isolation Process

Purpose

This document has been produced to describe the process used on the Southern Region of Network Rail for Temporary Isolations. It also contains guidance information on how to take Temporary Isolations and associated Line Blockages.

Definitions

B2 Traction Current Isolation	Traction current isolation as described in NR/WI/ELP/3091
CCIL	Control Centre Incident Log
COSS	Controller of Site Safety
ECO	Electrical Control Operator
ECR	Electrical Control Room
PICTI	Person In Charge of Temporary Isolation
NDM	Network Delivery Manager
SSM	Shift Signaller Manager
T3 Possession	Possession of the line as described in Rule Module T3
TI	Temporary Isolation

Temporary Isolation Process

1. If a Temporary Isolation is required to be taken in order to carry out unplanned local activities on or near the conductor rail in order to contain an incident and/or make the railway safe for operation, the process described in the document must be used as a basis for planning the Temporary Isolation.

2. After a request for a Temporary Isolation has been received by Control, a brief Risk Assessment Conference shall be arranged on the telephone. The mandatory attendees shall be the Network Delivery Manager (NDM) and the Requester. The conference shall discuss the options to agree if a Temporary Isolation is the best option. For example, if the work requires electrical sections to be isolated on multiple lines or is in a place where the isolation is complicated, the best option may be to use a T3 Possession and a ‘B’ form traction current isolation.

3. If it is agreed that a Temporary Isolation is the most appropriate option, the NDM shall nominate an Incident Controller to organise arrangements for the Temporary Isolation.

4. The Incident Controller shall liaise with the Temporary Isolation Requester and obtain the details required by the first section (labelled ‘Control’) of the Temporary Isolation Record of Arrangements form. The Incident Controller shall input ‘Draft A’ into the ‘Issue No’ box.

5. The Incident Controller shall distribute the Temporary Isolation Record of Arrangements form to the relevant ECR, the relevant signal box(es) and the Temporary Isolation Requester for completion (by email primarily – or other means if not available).

6. The ECO shall liaise with the Signaller/SSM to agree blocking points to protect the Temporary Isolation. The ECO shall complete the section marked ‘ECR’ on the Temporary Isolation Record of Arrangements form as far as is possible and send the form back to the Incident Controller.

7. The Temporary Isolation Requester and the Signaller/SSM shall liaise to complete the section marked ‘Requester’ on the Temporary Isolation Record of Arrangements form as far as is possible. The form shall then be sent back to the Incident Controller.

8. The Incident Controller shall collate the responses and compile a first final draft, labelled ‘Draft B’, sending it to the ECO, Signaller/SSM, and Requester.

9. All parties must check the Temporary Isolation Record of Arrangements form and check that all details are correct. If an error is found it must be brought to the attention of the Incident Controller immediately.

10. The ECO, Signaller/SSM, Requester shall all individually come to agreement and convey this to the Incident Controller. If any changes are to be made, the Incident Controller will create another document and annotate as issue 2, issue 3, and so on. This will continue until all parties agree.

11. The Incident Controller shall assign a unique reference number to the Temporary Isolation (e.g. TISE012) and issue this document as the latest version of Temporary Isolation Record of Arrangements form to the ECR, the Signal Box(es), the Requester, the PICTI, and the COSS. If there is a change of duty between the issue of the document, and the work commencing, the relevant individuals should verify the arrangements on the form at the start of their shift, ensuring they have the correct issue number.

12. Once the Temporary Isolation is underway, the Incident Controller should arrange to receive regular updates on progress and give regular updates to all concerned. This includes the ECO informing the Incident Controller when the Temporary Isolation is taken and given up. All updates from site should be recorded in the CCIL.

13. Once the Temporary Isolation has been cleared, the Incident Controller should make sure that all of the work has been completed as agreed and record any deficiencies and the reasons in the CCIL.

14. Flowcharts which describe the Temporary Isolation process are provided in Sections 4 & 5 of this document. These flowcharts must be read in conjunction with the Rule Book Module TS1.13, Rule Book Handbooks 1, 6, 7 & 8, and NR/LR/ELP/3091

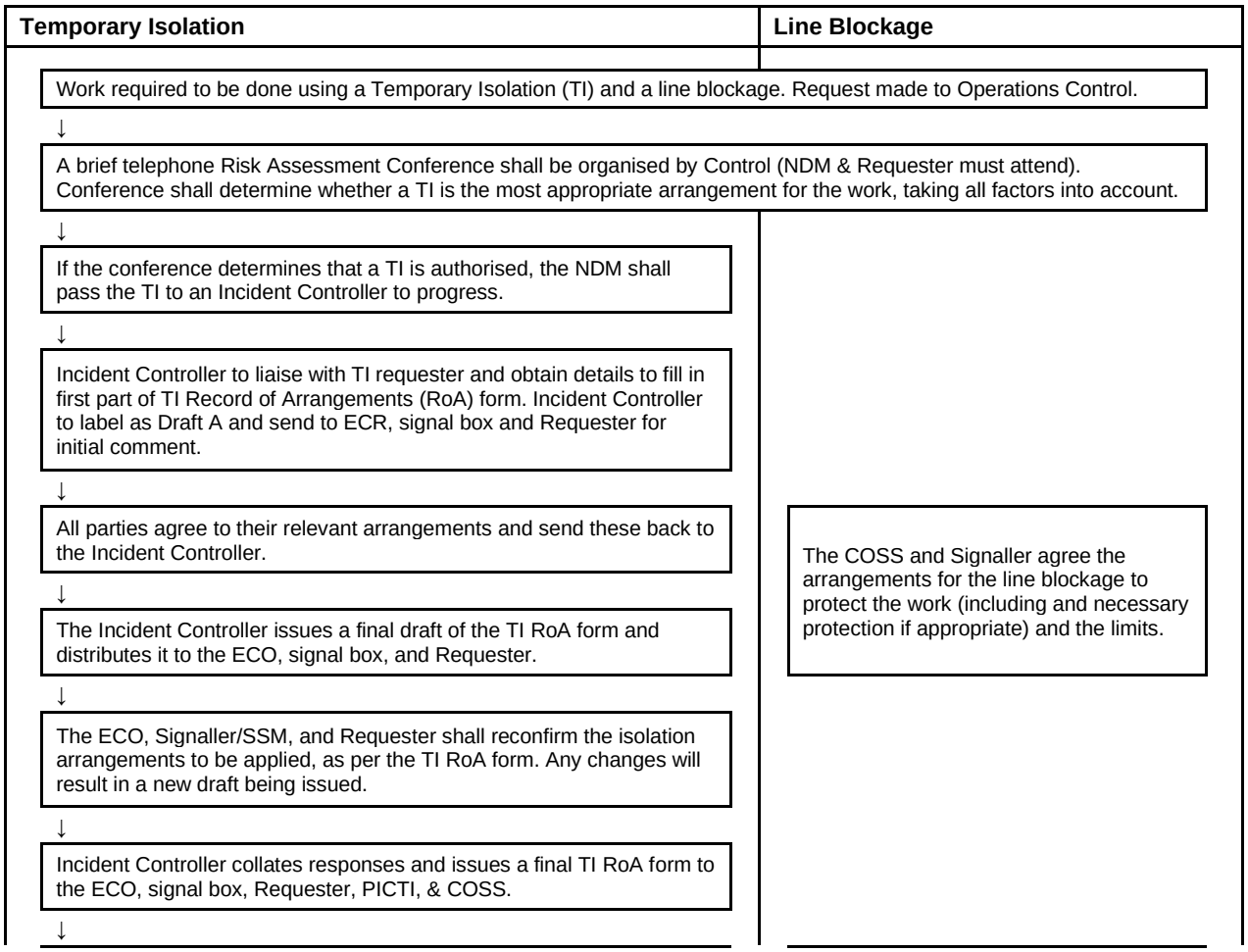
15. On occasions, it may not be practicable to complete the Temporary Isolation Record of Arrangements form as detailed in Sections 3.2 to 3.14. On these occasions, Operations Control shall advise the ECO, the relevant Signal Box(es), and the PICTI of the authorised arrangements as soon as is practicable. This may be completed via a conference call if required.

16. The Signaller and ECO shall then agree the appropriate protection limits for the proposed electrical isolation.

17. The ECO shall then confirm to the PICTI the isolation arrangements to be applied.

18. The Temporary Isolation Record of Arrangements form shall be stored locally after use by the parties involved.

Temporary Isolation Commencement Flowchart



On request from the PICTI, the ECO shall contact the Signaller(s) and request the affected line(s) to be blocked to ELECTRIC trains to protect the isolation. The Signaller shall confirm to the ECO when the line(s) have been blocked to ELECTRIC trains. Details to be recorded in the Train Register and ECR log.	The Signaller must make sure that the line is to be blocked to ALL trains. Only after this, shall the signaller arrange with the COSS for any necessary protection to be applied (if required).
↓	↓
The ECO shall open the relevant circuit breakers and/or other controlled devices, apply the necessary inhibits and instruct as necessary the PICTI to operate any relevant switches to the required position.	Before the Signaller authorises the COSS to apply any necessary protection, the Signaller must, if necessary place or keep signals at danger to protect the work and use the necessary reminder appliances.
↓	
The PICTI shall confirm details of any switches operated to the required position to the ECO, once this has been done.	
↓	↓
The ECO shall advise the PICTI that the conductor rail has been switched off and give authority that the conductor rail may now be tested (ATTI).	When the Signaller authorises the COSS to apply any necessary protection, the COSS must carry out the instructions for the type of protection procedure to be used and tell the Signaller when he/she has made these arrangements.
↓	
The PICTI shall make sure that the section or sub-section is switched off by testing between the conductor rail and the traction return rail adjacent to the conductor rail, using an approved testing device.	
↓	↓
If the test proves that the conductor rail is switched off, re-energisation shall be prevented by the application of short circuiting bars, at the agreed worksite limit, by a competent person.	The relevant Line Blockage Forms are completed by the COSS and the Signaller respectively, and an authority number is given by the Signaller to the COSS.
↓	
Once short circuiting bars have been applied the TI is established.	
↓	↓
WORK COMMENCES	

This flowchart must be read in conjunction with the Rule Book Module TS1.13, Rule Book Handbooks 1, 6, 7, & 8, and NR/L3/ELP/3091 Instruction

A Temporary Isolation AND a Safeguard Protection MUST both be in place before the COSS allows any work to take place.

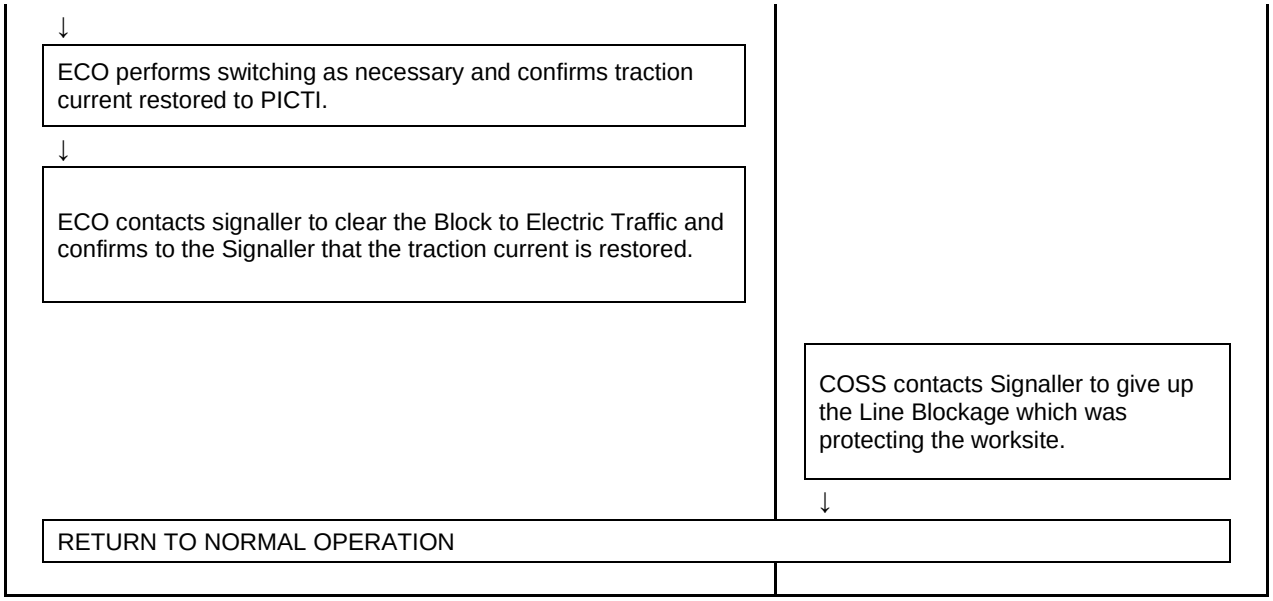
TS1.13 protection can be used if appropriate to protect the work.

Temporary Isolations can only be taken on Network Rail Managed Infrastructure.

Signal Protection provided for a Temporary Isolation must never be relied upon to provide staff with a Safe System of Work when walking or working on or near the line.

Temporary Isolation Completion Flowchart

Temporary Isolation	**Line Blockage**
COMPLETION OF WORK	
↓	
COSS confirms to the PICTI that all work is complete and the Temporary Isolation is no longer required, so may be recharged.	
↓	
PICTI confirms to ECO that all work is complete and all persons, tools, equipment, and short circuiting bars are clear of the line(s). PICTI requests recharge.	



Temporary Isolation Record of Arrangements Form to be completed – this is available via Control.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 23/07/2021

Driver Only Operation (Non-Passenger) - Cleared Routes - Wessex Route

All routes on the Wessex Route are cleared for D.O.O. (NP) operation of departmental services (Sandite/De-icer) with the exception of:-

- Fratton – Portsmouth Harbour (except Portsmouth & Southsea & D.C.S.)

D.O.O. (NP) operation is permitted for all ECS moves, subject to route availability, with the exception of trains formed of 'slam door' stock, which are not permitted between:-

- Fratton – Portsmouth Harbour (except Portsmouth & Southsea & D.C.S.)

Trains formed of 'slam door' stock are permitted to run under D.O.O. (NP) over cleared routes up to a maximum of 10 miles. However during service disruption under authorisation from Network Rail Control and provided all doors are locked the 10 mile restriction may be exceeded.

- Fratton – Portsmouth Harbour (except Portsmouth & Southsea & D.C.S.)

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Driver Only Operation (Passenger) - Cleared Routes - Kent

Charing Cross to Tonbridge
Cannon Street to London Bridge
Farringdon to London Bridge
Blackfriars to Herne Hill
Victoria to Herne Hill (include via Stewarts Lane)
Loughborough Jn. to Cambria Jn
Nunhead to Shortlands
Nunhead to Lewisham
Lewisham Vale Jn to Tanners Hill Jn
Herne Hill to Swanley
Bickley Jn to Orpington
Swanley to Sevenoaks
North Kent East Jn to Dartford (via Greenwich)
St Johns to Hayes via Lewisham
Parks Bridge Jn to Ladywell
Lewisham to Hither Green
Hither Green to Strood via Sidcup
Springhead Jn. To Ebbsfleet (CTRL) (Class 395 only)
Blackheath to Charlton
Cannon Street to Metropolitan Jn
Crayford Spur 'A' Jn & Crayford Spur 'B' Jn

Slade Green Jn to Perry Street Fork Jn
Chislehurst Jn to St Mary Cray Jn
Beckenham Jn to New Beckenham
Lee Loop Jn to Lee Spur Jn
Lewisham to Crayford Creek Jn via Blackheath
Canterbury Rd Jn to Loughborough Jn
Factory Jn to Nunhead via Brixton Jn or Atlantic Lines
Swanley to Ramsgate (Class 395 only)
Fawkham Jn to Southfleet Jn (CTRL) (Class 395 only)
Tonbridge to Dover Priory (Class 395 only)
Otford Jn to Ashford (Class 395 only)
Ashford to Ramsgate (Class 395 only)
Dover Priory to Minster East Jn (Class 395 only)
Minster South Jn to Minster West Jn (Class 395 only)
Strood to Rochester Bridge Jn (Class 395 only)
Strood to Rainham (Class 700 only)
Grove Park to Bromley North
Mitre Bridge Junction to Wandsworth Road

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/06/18

Driver Only Operation (Passenger) - Cleared Routes - Sussex

Victoria and Brighton

London Bridge and Windmill Bridge Jn

South Croydon and East Grinstead

Sydenham and Crystal Palace

Battersea Pier Jn and Pouparts Jn via Stewarts Lane

Battersea Park and Peckham Rye (Atlantic Lines)

Balham and Beckenham Jn

Leigham Jn and Tulse Hill

Bromley Jn and Norwood Jn

Streatham North Jn and Streatham South Jn

Selhurst Jn and Gloucester Road Jn

Highbury & Islington – New Cross Gate / New Cross

Silwood Junction – Old Kent Road Junction

Purley and Caterham

Purley and Tattenham Corner

Redhill and Reigate

Redhill and Tonbridge

South Bermondsey Jn and Horsham

Herne Hill and Tulse Hill

Tulse Hill and West Norwood Jn

Streatham and Streatham Common

Norwood Jn and Epsom Downs

Streatham South Jn and Sutton via Wimbledon

Three Bridges and Horsham

Horsham and Bognor Regis

Brighton/Preston Park and Littlehampton

Littlehampton and Ford

Barnham and Havant (Emsworth)

Keymer Jn. And Ore (includes movements reversing at Lewes on position light signal LW58)

Brighton and Lewes (includes movements reversing at position light signal LW58)

Lewes and Seaford

Latchmere No. 1 Jn to Clapham Jn

Latchmere No. 2 Jn to Clapham Jn

Note

The method of despatch of DOO(P) trains at Epsom, in the Up direction, will be by the use of CD/RA indicators.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 04/02/2017

Driver Only Operation (Passenger) - Cleared Routes - Wessex

Emsworth to Southampton Central via Farlington Junction and Swanwick, including via Eastleigh

Havant to Portsmouth and Southsea/Portsmouth Harbour

Ewell East to Dorking via Leatherhead

Latchmere No.2 Junction to Clapham Junction

Longhedge Junction to Clapham Junction

Note

The method of dispatch at all affected locations for DOO(P) will be by the use of in-cab DOO monitoring equipment, EXCEPT at Southampton Central where station dispatch staff will provide dispatch at cab.

At Havant, Bedhampton, Hilsea, Fratton and Portsmouth & Southsea low level platform 3 and platform 4 – will be by the use of in-cab DOO monitoring equipment

At Portsmouth Harbour and Portsmouth & Southsea high level platform 1 and platform 2 Up direction – station dispatch staff will dispatch using CD/RA

At Portsmouth & Southsea high level platform 1 and platform 2 Down direction – station dispatch staff will dispatch at the driving cab using handsignals.

Rolling stock not equipped with in-cab DOO monitor equipment cannot call at any affected station without dispatch staff provided at the driving cab in use, **or** without a conductor provided, in accordance with local station dispatch plan(s)

Wessex Route GI - Dated: 04/02/2017

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Electrically released ground frames

On arrival of a movement requiring the use of the ground frame, the person in charge must reach a clear understanding with the Signaller as to:

- What movements require to be made
- Whether or not the train is to be shut in at the siding; if the train is shut in at the siding, the person in charge must confirm to the Signaller that the train is clear of the running line before restoring the ground frame to normal.

The person in charge must then ask the Signaller for the ground frame to be released.

The Signaller will advise the person in charge when the release has been operated. Where a visual indication is provided at the ground frame, the person in charge must ensure that a ‘free’ or ‘release’ indication is displayed before operating any switch or lever.

NOTE: A time delay may occur before the release becomes effective.

When they are satisfied that the release has been given, the person in charge must operate the release switch or lever to the 'free' position which will allow the points to be operated.

At ground frames equipped with point indications, the position of the points need not be checked before a movement is made over them provided the appropriate normal or reverse indication is illuminated and, where provided, the signal controlling movements over them is cleared. Such signal must not be operated until the point indication is correctly illuminated.

When the shunting has been completed the person in charge must ensure that the normal point indications, where provided, are illuminated before replacing the release to normal.

The Signaller must then be advised, whereupon they will cancel the release and advise the person in charge that this has been done, after which normal working may be resumed.

Should a point indication not become correctly illuminated within approximately 15 seconds of the switch being operated, and a signal worked from the ground frame is provided, the points must be examined. If they are in the correct position and it is possible to clear the signal, the person in charge may assume that the indication has failed, and the movement may proceed. When this is not possible or where no signal is provided, no movement must be authorised and the person in charge must advise the Signaller and act on their instructions.

The person in charge must not authorise a movement to pass a signal at danger without the Signaller’s permission. Before giving permission, the Signaller will require confirmation as to whether the point indication is correctly illuminated.

Failure of any equipment must be reported to the Signaller. If it is necessary for any points to be manually operated the procedure in the instruction headed ‘Clipped and padlocked emergency crossovers’ must be observed.

If the points are worked by levers the person in charge MUST ensure that all levers are secured in the normal or reverse position by the catch being firmly down in the notch of the frame.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 01/04/22

Engineer's Sidings

When the points leading to these sidings are normally clipped and padlocked out of use they must be used only for engineering purposes, the keys to the padlocks being held by the appropriate person. Before using the points, the person-in-charge must:-

1 obtain the Signaller's permission and have a clear understanding with them regarding the moves to be made.

2 take possession of the line concerned.

Before giving up the possession they must ensure that the points are again secured in the proper position and advise the Signaller accordingly.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/09/22

Fires on clamplock points

If a fire is discovered affecting a set of hydraulically operated points, the following must be noted:-

- Excessive hydraulic fluid can be discharged under pressure if the points are operated, so fuelling the fire and endangering the safety of the staff;
- The locking of the points can be affected by the fire damage

When a fire on a set of clamplock points is reported or discovered which has or may cause damage to the hydraulic pump unit and/or associated hydraulic pipes, the points must not be operated. A reminder appliance must be placed on the lever/switch, (on a route setting panel the individual points switch must be operated to the normal or reverse position, as appropriate) to ensure that premature operation of points cannot be inadvertently initiated. Before any movement of trains in the facing direction is made the points are to be clipped and padlocked in the required position. If the point detection is maintained after the points have been secured then trains may be signalled in the normal manner. The Signaller must not remove a reminder appliance and move a set of clamplock points until they have been assured by the IMC that the fire has been extinguished and it is safe to do so.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Green Banner Repeating Signals

With reference to The Rule Book, Module S1 Clause 4.7. Banner repeating and co-acting signals:

At certain locations banner repeater signals are provided which are capable of displaying an Off indication, as shown in the 4th (bottom) diagram under the above heading, illuminated in green or white. The green indication signifies to the driver that the associated signal is displaying a green aspect. A white Off indication denotes that the signal is displaying a cautionary aspect.

Kent / Sussex Route GI - Dated: 24/12/11

GSM-R - CAB RADIO REGISTRATION AT MAIN AND POSITION LIGHT SIGNALS - LOCATION CODES

DRIVERS ARE TO REGISTER USING THE LAST 3 DIGITS OF THE SIGNAL ID, ADDING LEADING ZEROS WHERE REQUIRED (E.G. FOR SIGNAL SN23, REGISTER USING 023) EXCEPT WHERE THE SIGNAL IS LISTED BELOW. IN SUCH CASES, THE CORRESPONDING LOCATION CODE IN THIS SECTION IS TO BE USED.

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
SO110 VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM					
Herne Hill North Jn	Up Chatham (Down direction)	VS595	993	Victoria ASC Panel 9	74 3111 01
Herne Hill	Platform 4 (Up direction)	VS124	993	Victoria ASC Panel 9	74 3111 01
Herne Hill	Platform 3 (Up direction)	VS598	993	Victoria ASC Panel 9	74 3111 01
Herne Hill	Up Chatham (Down direction)	VS601	993	Victoria ASC Panel 9	74 3111 01
Herne Hill South Jn	Down Chatham (Up direction)	VS600	993	Victoria ASC Panel 9	74 3111 01
Herne Hill South Jn	Down Holborn (Up direction)	VS602	993	Victoria ASC Panel 9	74 3111 01
Beckenham Jn	Up Chatham (Down direction)	VS607	993	Victoria ASC Panel 9	74 3111 01
SO130 CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE					
Tonbridge	Down Fast (Up direction)	AD2030	993	Ashford – Workstation 2	74 2254 01
Tonbridge	Down Slow (Up direction)	AD2032	993	Ashford – Workstation 2	74 2254 01
Sandling	Down Main (Down direction)	AD2157	992	Ashford – Workstation 5	74 2257 01
Sandling	Up Main (Down direction)	AD2159	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	West Siding	AD2151	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	No. 1 (Down direction)	AD2153	992	Ashford – Workstation 5	74 2257 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
Dollands Moor	Run Round (Up direction)	AD2146	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	Loco Loop (Up direction)	AD2150	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	No.6 (Up direction)	AD2154	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	No.6 (Up direction)	AD2158	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	No.6 (Down direction)	AD2165	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	No.7 (Up direction)	AD2156	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	No.7 (Down direction)	AD2163	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	No.8 (Down direction)	AD2161	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	Down Goods	AD2164	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	Run Round (Up direction)	AD2152	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	Run Round (Down direction)	AD2147	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	Run Round (Down direction)	AD2167	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	Loco Loop (Down direction)	AD2155	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	S Neck (Down direction)	AD2171	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	T Neck (Up direction)	AD2162	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	U Neck (Up direction)	AD2160	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	G Neck (Down direction)	AD2166	992	Ashford – Workstation 5	74 2257 01
Dollands Moor	G Neck (Up direction)	AD2168	992	Ashford – Workstation 5	74 2257 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
SO250 BATTERSEA PIER JN TO WEMBLEY					
Clapham Jn	Down Pig Hill Siding to Main Line	VC148	993	Victoria ASC Panel 2A	74 3103 01
Clapham Jn	Down Pig Hill Siding	VC145	993	Victoria ASC Panel 2A	74 3103 01
SO260 BRIXTON JN TO SHORTLANDS JN					
Cambria Jn	Up Catford Loop (Down direction)	VS679	993	Victoria ASC Panel 8	74 3110 01
Cambria Jn	Down Catford Loop (Up direction)	VS678	993	Victoria ASC Panel 8	74 3110 01
Bellingham	Up Catford Loop (Down direction)	VS685	994	Victoria ASC Panel 8	74 3110 01
Bellingham	Neck Sidings (Down direction)	VS687	994	Victoria ASC Panel 8	74 3110 01
Bellingham	Neck Sidings (Up direction)	VS686	993	Victoria ASC Panel 8	74 3110 01
Bellingham	Down Catford Loop (Up direction)	VS688	993	Victoria ASC Panel 8	74 3110 01
SO280 FARRINGDON TO HERNE HILL					
Cambria Jn	Up Cambria Spur (Down direction)	VS675	993	Victoria ASC Panel 8	74 3110 01
SO300 LEWISHAM TO CRAYFORD CREEK JN (VIA BEXLEYHEATH)					
Angerstein Jn	Down North Kent (Up direction)	L1438	992	London Bridge Panel 5	74 2105 01
SO500 VICTORIA TO BRIGHTON					
Clapham Jn	Up Brighton Fast (Down direction)	VC141	993	Victoria ASC Panel 2A	74 3103 01
Clapham Jn	Up Brighton Slow (Down direction)	VC143	993	Victoria ASC Panel 2A	74 3103 01
Clapham Jn	Down Brighton Slow (Up direction)	VC144	993	Victoria ASC Panel 2A	74 3103 01
Clapham Jn	Down Brighton Slow (Up direction)	VC150	993	Victoria ASC Panel 2A	74 3103 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
Balham	Up Brighton Slow (Down direction)	VC151	993	Victoria ASC Panel 2B	74 3104 01
East Croydon	Up Siding Exit	T1070	993	Three Bridges Panel 1B	74 3281 01
Redhill	Down Redhill (Up direction)	T1312	993	Three Bridges Panel 3	74 3284 01
Redhill	Up Redhill (Down direction)	T1317	993	Three Bridges Panel 3	74 3284 01
Gatwick Airport	Up Fast (Down direction)	T1161	993	Three Bridges Panel 4	74 3285 01
Crawley New Yard	Up Siding Exit	T1179	993	Three Bridges Panel 4	74 3285 01
Crawley New Yard	Down Slow (Up direction)	T1182	993	Three Bridges Panel 4	74 3285 01
Three Bridges	Platform 4 (Up direction)	T1203	993	Three Bridges Panel 4	74 3285 01
Haywards Heath	Up Siding North Exit	T1226	993	Three Bridges Panel 5	74 3286 01
SO510 LONDON BRIDGE TO EPSOM					
Bricklayers Arms Jn	Up Slow (Down direction)	L1559	992	London Bridge – Panel 8	74 2108 01
Bricklayers Arms Jn	Down Fast (Up direction)	L1560	992	London Bridge – Panel 8	74 2108 01
Bricklayers Arms Jn	Down Fast (Up direction)	L1558	992	London Bridge – Panel 8	74 2108 01
New Cross Gate	Up Slow (Down direction)	L1573	992	London Bridge – Panel 8	74 2108 01
New Cross Gate	Down Fast (Up direction)	L1578	992	London Bridge – Panel 8	74 2108 01
New Cross Gate	Down Slow (Up direction)	L1580	992	London Bridge – Panel 8	74 2108 01
New Cross Gate	Down Fast (Up direction)	L1586	992	London Bridge – Panel 8	74 2108 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
New Cross Gate	Down Slow (Up direction)	L1584	992	London Bridge – Panel 8	74 2108 01
West Croydon	Turn-back sidings	T34	993	Three Bridges Panel 1C	74 3282 01
Sutton	Up Epsom Downs (Down direction)	VC195	993	Victoria ASC Panel 4	74 3106 01
SO511 HIGHBURY & ISLINGTON TO NEW CROSS/NEW CROSS GATE					
Highbury & Islington	Down East London Line (Up direction)			East London Line SCC Workstation 1	74 9266 01
Shadwell	Up East London Line (Down direction)			East London Line SCC Workstation 1	74 9266 01
Canada Water	Down East London Line (Up Direction)	EL3002	991	East London Line SCC Workstation 2	74 9267 01
Canada Water	Down East London Line (Up Direction)	EL3005	991	East London Line SCC Workstation 2	74 9267 01
SO520 THREE BRIDGES TO PORTSMOUTH HARBOUR					
Crawley	Up Horsham (Down direction)	T1201	993	Three Bridges Panel 7	74 3288 01
Arundel	Up Horsham (Down direction)	AR50	993	Arundel	74 3303 01
Arundel	Down Horsham (Up direction)	AR51	003	Arundel	74 3303 01
Chichester	Up Platform (Down direction)	CC305	993	Chichester	74 3310 01
SO530 SOUTH CROYDON TO EAST GRINSTEAD					
Sanderstead	Up East Grinstead (Down direction)	T1355	993	Three Bridges Panel 1B	74 3281 01
Sanderstead	Down East Grinstead (Up direction)	T1356	993	Three Bridges Panel 1B	74 3281 01
Oxted	Down East Grinstead (Up direction)	OD306	993	Oxted	74 3279 01
Hurst Green	Up East Grinstead (Down direction)	OD311	993	Oxted	74 3279 01
Hurst Green	Down East Grinstead (Up direction)	OD312	993	Oxted	74 3279 01
East Grinstead	Down East Grinstead (Up direction)	OD324	993	Oxted	74 3279 01

SO560 REDHILL TO GUILDFORD					
Reigate	Up Reading (Down direction)	RG17	993	Reigate	74 3301 01
SO590 KEYMER JN TO EASTBOURNE					
Lewes Ground Frame	Down Eastbourne (Up direction)	LW58	993	Lewes	74 3290 01
Hampden Park	Up Eastbourne (Down direction)	CDB9	993	Hampden Park	74 3295 01
Hampden Park	Down Eastbourne (Up direction)	CDB6	993	Hampden Park	74 3295 01
LOCATION	**LINE/PLATFORM (DIRECTION)**	**SIGNAL**	**LOCATION CODE**	**CONTROLLING SIGNAL BOX/PANEL**	**GSM-R CONTACT NUMBER**
SO600 WILLINGDON JN TO ASHFORD					
Bexhill GF	Down Main (Up direction)	CCW12	993	Bexhill	74 3298 01
Bexhill GF	Up Main (Down direction)	CCW13	993	Bexhill	74 3298 01
Ore	Up Siding Exit	EDL26	993	Hastings	74 2223 01
SO620 BRIGHTON TO SEAFORD					
Newhaven Town	Town Sidings Exit	CCO1576	993	Newhaven Town	74 3291 01
Newhaven Harbour	Up Platform (Down direction)	NH7	993	Newhaven Harbour	74 3292 01
SO630 BRIGHTON TO LITTLEHAMPTON					
Brighton	Wall Siding	T1281	993	Three Bridges Panel 6	74 3287 01
Hove Yard	Up Direction Exit	T676	993	Three Bridges Panel 6	74 3287 01
Littlehampton	Up Siding Exit	LH11	993	Littlehampton	74 3308 01
Littlehampton	Carriage Washer Road	LH19	993	Littlehampton	74 3308 01
SO640 BARNHAM TO BOGNOR REGIS					
Bognor Regis	No.2 Siding	BR53	993	Bognor Regis	74 3309 01
Bognor Regis	No.3 Siding	BR43	993	Bognor Regis	74 3309 01

SO650 BALHAM JN TO BECKENHAM JN					
Streatham Hill	Up Crystal Palace	VC161	993	Victoria ASC Panel 2B	74 3104 01
Crystal Palace Tunnel	Up Crystal Palace (Down direction)	VC167	993	Victoria ASC Panel 3	74 3105 01
Crystal Palace	Up Sydenham Spur (Down direction)	VC170	993	Victoria ASC Panel 3	74 3105 01
SO660 PURLEY TO CATERHAM					
Caterham	Up Siding Exit	T1362	993	Three Bridges Panel 2	74 3283 01
SO680 SOUTH BERMONDSEY JN TO HORSHAM					
Tulse Hill	Down Portsmouth (Up direction)	VC166	993	Victoria ASC Panel 3	74 3105 01
LOCATION	**LINE/PLATFORM (DIRECTION)**	**SIGNAL**	**LOCATION CODE**	**CONTROLLING SIGNAL BOX/PANEL**	**GSM-R CONTACT NUMBER**
Tulse Hill	Up Portsmouth (Down direction)	VC173	993	Victoria ASC Panel 3	74 3105 01
Sutton Jn	Up Portsmouth (Down direction)	VC193	993	Victoria ASC Panel 4	74 3106 01
Dorking	Exit Down Siding (currently oou)	CBK27	993	Dorking	74 3300 01
Horsham	Up Siding	T1405	993	Three Bridges Panel 7	74 3288 01
SO700 STREATHAM SOUTH JN TO SUTTON (VIA WIMBLEDON)					
Wimbledon	Up St Helier (Down direction)	VC181	993	Victoria ASC Panel 4	74 3106 01
Wimbledon	Down St Helier (Up direction)	VC186	993	Victoria ASC Panel 4	74 3106 01

GSM-R – CAB RADIO REGISTRATION – AREA-SPECIFIC 99X LOCATION CODES

When required to use a 99X location code (also known as '*wild card number*') to pre-register or to register the cab radio as shown in the GSM-R user procedures the following area specific location code must be used in the areas covered by this Sectional Appendix:

992 Kent Route
993 Sussex Route

Kent / Sussex Route GI - Dated:25/06/22

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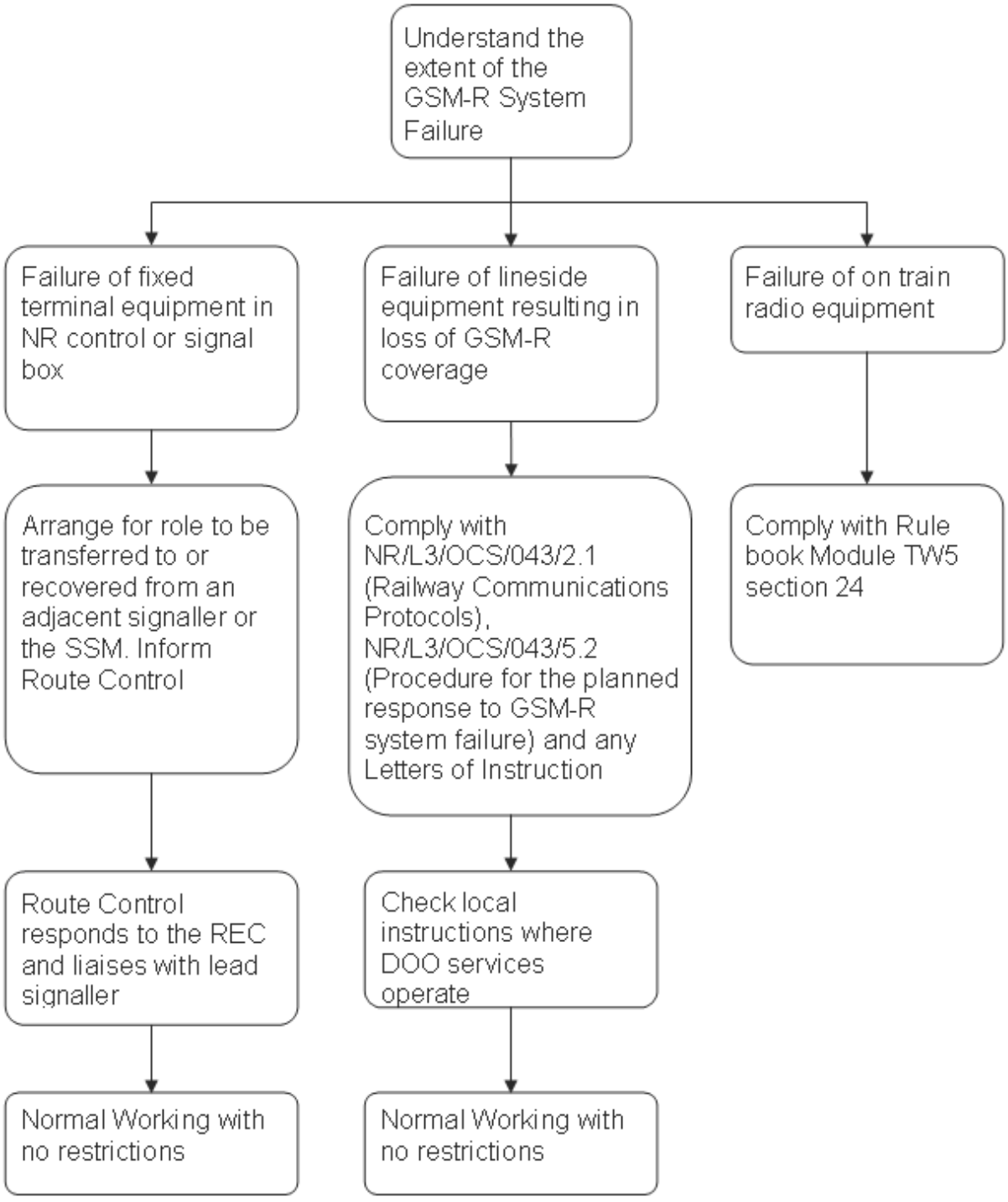
Appendix 1

This chart details the process used by Network Rail Control to determine the operating response to GSM-R service or sub-system failures.



Kent / Sussex Route GI - Dated: 05/09/15

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International forms books - Livret international de formulaires de procedures (“livret formulaires”)

When a safety critical message is communicated between the Signaller and the Driver of an International Passenger or ECS train carrying a 9XXX mission number, the appropriate Procedure from the “Livret Formulaires” must be carried out. Trains carrying a 5XXX mission number are not required to use the “Livret Formulaires” procedure. The Signaller and the Driver must each have completed their copy of the appropriate form, and the Signaller must have given the authorisation number, before any move is made.

In the following circumstances, the appropriate form must be used:-

Forms Initiated by the Signaller

Procedure 001 - Passing One Signal at Danger.

Procedure 002 - Single Line Working / Working by Pilotman.

Procedure 003 - Pass Signal at Danger to Examine Line Ahead.

Procedure 004 - Examine Line Ahead.

Procedure 005 - Advice of Signal Defect.

Procedure 006 - Emergency Speed Restriction.

Procedure 007 - Special Stop / Not To Call At Station Order.

Procedure 008 - Temporary Block Working.

Procedure 009 - Wrong Direction Working.

Procedure 010 - Examination of Train.

Procedure 011 - Reduce Amps.

Procedure 012 - Cautioning.

Procedure 013 - General Information.

Procedure 014 - Restart Train.

Procedure 015 - Change Ends.

Procedure 016 - Lower Pantographs.

Procedure 017 - Simplified Bi- Directional Signalling (SIMBIDS)

Forms Initiated by the Driver

Procedure 101 - Request for Assistance.

Procedure 102 - Request for Assistance Cancelled.

Procedure 103 - Report of Signal / AWS Failure or Irregularity.

Procedure 104 - Personal Protection Request To Work On Train Exterior.

Procedure 105 - Request for Traction Current Isolation.

Procedure 106 - Defect On Another Train.

Procedure 107 - Electrical Traction Defects.

Procedure X - General Report.

Note:- This instruction does **not** apply between Factory Jn and North Pole Jn (via Longhedge Jn and Latchmere Jn)

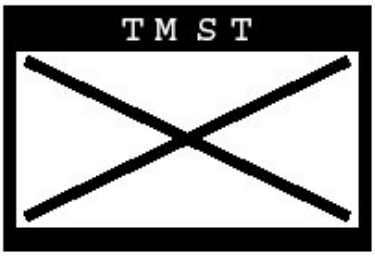
South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

International passenger and ECS trains - additional signs

The following signs apply to the Drivers of International passenger and ECS trains only:-

End of Restriction Indicator (shown below)
Indicates to the Drivers of trains formed of a Class 373 unit that the rear of his train is clear of a speed restriction or conductor rail gap. The indicator has a white background with the lettering and triangle back.

Class 373 "No Go" Indicator (shown below)
Indicates to the Drivers of trains formed of a Class 373 unit routes that they are prohibited from, unless specially authorised. The indicator has a blue surround, yellow lettering, with a red cross on a yellow background.



South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Line Clear Verification (LCV)

In accordance with Network Rail Standard “NR/L3/OCS/084 – Line Clear Arrangements Following Engineering Works in Axle Counter Areas – Line Clear Verification Process”, the following must be observed.

The LCV process applies to the following line of routes.

LCV will also apply at any signalling location where part of the applicable possession is within any of the following line of routes listed below:

Route	**Sections of line Equipped**
SO110 Victoria to Ramsgate (via Herne Hill and Chatham)	Up and Down Chatham lines from country side off Longfield Station (24m 04ch) to London side of Gillingham Station (35m 54ch). Up and Down Chatham lines from country side off Gillingham Level Crossing (36m 35ch) to London side of Faversham Station (51m 31ch). Up and Down Thanet lines from Faversham Junction (52m 09ch) to Ramsgate station (79m 21ch).
SO130 Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface	Up and down Kent Slow & Up and Down Kent Fast lines, up & Down Hither Green Goods arr/dep. Up and down hither green spurs. London side of Hither Green Station (6m48ch) to Country side of Chislehurst Tunnels. (9m58ch)
SO310 Hither Green to Maidstone West (via Dartford)	Up and Down Dartford Loop lines Hither Green Station 7m08ch to Mottingham Station 9m46ch
SO350 Grove Park to Bromley North	Up and Down Bromley Lines Grove Park Station 8m78ch to Bromley North Station 10m50ch
SO150 Sittingbourne (Eastern Jn) to Sheerness on Sea.	Up and Down Sheppey Spur lines from Western Junction (43m 70ch) to Middle Junction (44m 13ch). Up and Down Sheppey lines from Eastern Junction (0m 00ch) to Middle Junction (00m 23ch). Up and Down Sheppey lines from Middle Junction (44m 13ch) to country side of Middle Junction (44m 21ch). Up/Down Branch line from Country side of Swale station (47m 22ch) to London side of South Marsh crossing (47m 60ch).
SO160 Faversham to Dover Priory	Up and Down Chatham lines from Faversham Junction (52m 09ch) to Country side of Kearsney station (75m 50ch).

SO220 Ashford to Ramsgate (via Canterbury West).	Up and Down Stour lines from Countryside of Minster East Jn (82m 26ch) to Ramsgate station (85m 67ch).
SO290 North Kent East jn to Dartford jn (Via Greenwich)	Up and Down Greenwich Lines from London side of Deptford Station (4m66ch) to Charlton Junction (7m35ch) Charlton Junction (7m35ch) to London side of Woolwich Arsenal Station (9m27ch
SO300 Lewisham to Crayford Creek Jn (Via Bexleyheath)	Up and Down North Kent Lines country side of Lewisham Station (6m34ch) to Charlton Junction (8m63ch) Up and Down Bexleyheath from Blackheath Junction (7m14ch) to Country side of Eltham Station (9m60ch)
SO310 Hither Green to Rochester Bridge Jn (via Dartford)	Up and Down North Kent lines on the London side of Rochester Bridge Junction (31m 28ch to 31m 34ch).
SO500 Victoria to Brighton	Down Brighton Slow, Up Brighton Slow, Down Brighton Fast and Up Brighton Fast from country side of Balham Jn (5m 21ch) to country side of Norbury (8m 03ch)
SO510 London Bridge to Epsom Downs	Up and Down East London Lines from Highbury & Islington to Country side of New Cross Gate station (Down Line) and London side of New Cross Gate station (Up Line)
SO520 Three Bridges to Portsmouth Harbour	Up Main and Down Arun Valley lines from South Stoke Substation (56m 00ch) to Country end of Christ's Hospital station (40m 17ch)
SO590 Keymer Jn to Eastbourne	Up and Down Eastbourne from 09m 69ch on the Down Line (between Southerham Jn and Glynde) to London end of Eastbourne 22m 63ch. Up Line London end of Eastbourne 22m 63ch to Glynde 11m 10ch.
SO600 Willingdon Jn to Ashford	Down and Up Bexhill from Willingdon Jn (20m 36ch) to St Leonards Depot Down Bexhill (31m 01ch) Up Bexhill
SO680 South Bermondsey Jn to Horsham	Up Main and Down Main lines from London end of Warnham station (32m 60ch) to Country end of Betchworth Tunnel (22m 60ch). Down and Up Portsmouth from Leigham Tunnel (6m 62ch) to country side of Streatham South Jn (8m 61ch)
SO700 Streatham South Jn to Sutton (via Wimbledon)	Down and Up St Helier from Streatham South Jn (0m 00ch) to country side of Tooting (2m 11ch)

South East (Kent, Sussex, Wessex) Territory GI - Dated: 01/08/2020

Lines Equipped with Axle Counters

Before engineering work takes place on a section of line equipped with axle counters, you must check whether or not the work will affect any axle counter heads.

Activities such as rail grinding, tamping, ballast cleaning, stoneblowing etc., can damage track-mounted equipment. Where necessary a Signalling technician must be arranged to disconnect / remove / replace the axle counter equipment.

Hand and motorised trolleys, also any vehicle being moved on wheel skates, must not be allowed to enter a section of line controlled by axle counters unless arrangements have been made to reset the equipment. Road/rail vehicles must not be on- or off- tracked within 2 metres of an axle counter head.

Wessex Route GI - Dated: 25/02/12

Local Electrical D.C. Isolations

The following locations have Local Isolation Instructions in accordance with Instruction 41 of the DC Electrified Lines Instructions (GO/RT 3091).

Ashford (Down Yard Berthing sidings)

Brighton (Traincare Depot)

Charing Cross

Chart Leacon Depot

Eastbourne Sidings, including Up Carriage Siding and all Washer Sidings.

Gillingham Kent (Maintenance Depot)

Grove Park (1-12 Down Sidings, 21-28 Up Sidings and 31-38 Down Sidings)

London Bridge (Platforms 1 -15)

London Victoria (Station platforms and Grosvenor Road sidings)

London Waterloo (Domestic and International Platforms)

North Pole International Depot

Orpington (depot & sidings)

Ramsgate (1, 2 and 3 New Sidings, 1 Lay-by Road, Up Siding West, 1 to 6 Carriage Sidings, 7 to 25 Goods Sidings, Depot Reception East, Depot Washer Spur and Down Reception West).

Selhurst (Depot)

Slade Green (Maintenance Depot)

St. Leonards West Marina (Carriage cleaning shed), and down siding (washer road)

Stewarts Lane

Streatham Hill Sidings

Wimbledon Depot No.'s 1 to 6 New Sidings.

No.'s 7 to 13 Shed Roads.

No.'s 14 to 24 Sidings.

No. 25 Wheel Lathe Road.

Wimbledon Top Yard No.'s 4 to 9 Carriage Cleaning Roads.

No.'s 10 to 25 Wimbledon Park Sidings.

No.'s 1 to 3 East Putney Reception Roads.

Clapham Junction Depot No.'s 1, 3 & 6 Carriage Cleaning Roads.

No. 7 Siding.

No.'s 9 to 16 Sidings.

No.'s 38 & 39 Sidings.

No.'s 41 to 49 Sidings.

Fratton Depot No.'s 1 to 12 Roads.

Cattle Dock Sidings

Cattledock & Southsea Roads.

Bournemouth Depot No.'s 1, 2, 3 & 6 Roads (Washer End)

No.'s 7 to 10 Roads (Cleaning Shed)

No.'s 11 to 17 Sidings

Ryde St. Johns Depot No. 4 (Wash Road)

New Cross Gate ELL Depot

Silwood Sidings ELL

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/09/2022

Lockout Protection Systems

The “lockout” systems provide a safe method of signal protection on lines shown in the following table.

The area protected and instructions for its operation are displayed at each “lockout” instrument.

The “lockout” may be used instead of protection arrangements referred to in Rule Book Module TS1 Regulation 13 and Handbook 8 and 20.

The person requesting protection must be either a certified ‘’Safe Work Leader’’, “Controller of Site Safety” (COSS) or “Individual Working Alone” (IWA).

Method of Protection

When a “lockout” system is to be used to provide protection, the following procedure must be observed:-

a) The SWL/COSS/IWA must telephone the Signaller giving his/her Name, Grade, Employer, location and contact telephone number. He/she must state which “lockout” section they require to be protected by and the time duration. If use of the “lockout” is agreed, the Signaller must record these details in the train register book and repeat them back to the SWL/COSS/IWA who must confirm they are correct. When satisfied the arrangements are correct, the Signaller may authorise the SWL/COSS/IWA to operate the lockout device controls to the ‘Locked Out’ position. The SWL/COSS/IWA must observe the instructions displayed and remove the lockout key.

b) When the protection is no longer required, the persons working under the control of the SWL/COSS must be moved to a position of safety and briefed on the changed protection arrangements. When the line(s) is/are clear and safe for trains to run on, the SWL/COSS/IWA must advise the Signaller of his/her Name, Grade, Employer location and contact telephone number. He/she must state which “lockout” section they require to restore to normal operation.. When advised to do so by the Signaller, he/she must replace the Key, and operate the lockout device controls to the ‘Traffic’ (returned to normal operation) position. The Signaller must be advised and he/she must check that the normal indication has been restored. The Signaller must advise the SWL/COSS/IWA and make an entry in the train register.

c) The SWL/COSS/IWA who gives up the “lockout” protection, must, except in exceptional circumstances, be the same individual who obtained the “lockout” protection.

In exceptional circumstances, the SWL/COSS/IWA may hand over to a relief provided he/she advises the Signaller of the Name, Grade, Employer, location, and contact telephone number of his/her relief.

Lockout systems are provided between the following locations:

NOTE – Platform, bridge and Patrolman’s Lockouts are published as Local Instructions under their relevant line of route headings.

Line of Route	Sections of line equipped	Lockout No.	Additional information
SO110 – VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)	Down Chatham	EK9001	From beyond overlap of signal EK4031 to overlap of signal EK4035
	Up Chatham	EK9002	From beyond overlap of signal EK4042 to overlap of signal EK4038
	Down Chatham	EK9003	From beyond overlap of signals EK4035/EK4703 to signals EK4050/EK4052
	Up Chatham	EK9004	From signal EK4048 to overlap of signal EK4042
	Down Chatham	EK9005	From signal EK4050 to signal EK4067
	Up Chatham	EK9006	From beyond the overlap of signal EK4068 to signal EK4048
	Down Rochester Loop	EK9007	From signal EK4052 to signal EK4063
	Up Rochester Loop	EK9008	From limit of shunt signal EK4069 to overlap of signal EK4054
	Down Chatham	EK9009	From signals EK4063/EK4067 to overlap of signal EK4073
	Up Chatham	EK9010	From signal EK4070 to beyond overlap of signal EK4068
	Down Chatham	EK9011	From beyond overlap of signal EK4073 to limit of shunt signal EK4106
	Up Chatham	EK9012	From signals EK4108/EK4110 to signal EK4070
	Up Chatham/Up Gillingham Loop	EK9014	From signals EK4118/EK4120/EK4122 to signals EK4108/EK4110

Line of Route	Sections of line equipped	Lockout No.	Additional information
SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)	Down Slow	9300	Waterloo East to c/o Ewer Street Junction
	Up Slow	9301	c/o Ewer Street Junction to Waterloo East
	Down Fast	9302	Waterloo East to c/o Ewer Street Junction
	Up Fast	9303	c/o Ewer Street Junction to Waterloo East
	Up & Down Slow Up & Down Fast Up & Down Charing Cross	9307	Blocks – Ewer Street/Metropolitan Junctions on Fast/Slow and Charing Cross Lines only
	Up & Down Snow Hill	9306	Blocks Ewer Street/Metropolitan Junctions on Up & Down Snow Hill Lines only
	Down Snow Hill	9310	c/o Metropolitan Junction and London Bridge Station
	Up Snow Hill	9311	c/o London Bridge and Metropolitan Junction
	Down Charing Cross	9312	c/o Metropolitan Junction and London Bridge Station
	Up Charing Cross	9313	c/o London Bridge and Metropolitan Junction
	Up & Down Cannon Street	9320	c/o London Bridge Station Platforms 1/2/3 to 7155/7153 points
	London Bridge Platform 1 & 1 Down	9321	London Bridge Platform 1 to c/o North Kent East Junction
	London Bridge Platform 2 & 2 Down	9322	London Bridge Platform 2 to c/o North Kent East Junction
	London Bridge Platform 3 & 3 Up	9323	c/o North Kent East Junction to London Bridge Platform 3
	London Bridge Platform 4 & 4 Down	9324	London Bridge Platform 4 to c/o Bricklayers Arms Junction
	London Bridge Platform 5 & 5 Up	9325	c/o Bricklayers Arms Junction to London Bridge Platform 5
	London Bridge Platform 6 & 6 Down	9326	London Bridge Platform 6 to Southwark Park Road Junction
	London Bridge Platform 7 & 7 Reversible	9327	London Bridge Platform 7 to Southwark Park Road Junction
	London Bridge Platform 8	9328	London Bridge Platform 8
	London Bridge Platform 9 & 8 Up	9329	c/o Spa Road Junction to London Bridge Platform 9
	4 Down	9800	c/o Corbetts Lane and North Kent East Junctions
	Southwark Reversible	9802	c/o Corbetts Lane and Surrey Canal Junctions
	Down Kent Fast	9803	c/o Southwark Park Road Junction and Milton Court
	Up Kent Fast	9804	Milton Court to Spa Road Junction
	1 Down/2 Reversible / Up Up & Down Greenwich	9810	North Kent East Junction
	1 Down / 2 Reversible / 3 Up & 4 Down	9811	c/o North Kent East Junction to Milton Court

Line of Route	Sections of line equipped	Lockout No.	Additional information
SO280 – FARRINGDON TO HERNE HILL	Up Moorgate Line / Down Snow Hill Line between St Pancras & Farringdon	LT3-TWH9510	Blocks Farringdon Platform 3
	Down Moorgate Line / Up Snow Hill Line between Farringdon & St Pancras	LT4-TWH9511	Blocks Farringdon Platform 4
	Down Snow Hill Line between Farringdon & Blackfriars	LT5-TVS9560	Blocks Farringdon platform 3
	Up Snow Hill Line between Blackfriars & Farringdon	LT6-TVS9561	
	Up & Down Snow Hill Down Snow Hill Spur Lines between Blackfriars & Blackfriars Junction	9570	Blocks Blackfriars Junction
SO510 – LONDON BRIDGE TO EPSOM DOWNS	London Bridge Platform 10 & 11	9330	London Bridge Station Platforms 10 & 11
	London Bridge Platform 12 & 13	9332	London Bridge Platform 12 & 13
	London Bridge Platform 14 & 15	9334	London Bridge Platform 14 & 15
	Platform approach / 9 Reversible & 10 Reversible	9340	Blocks approaches to Platforms 10/11/12/13/14 and 9/10 Reversible lines from Brunswick Court Junction
	9 Reversible / Down Sussex Slow	9350	Brunswick Court Junction to Bricklayers Arms Junction
	10 Reversible / Sussex Reversible	9351	Brunswick Court Junction to Bricklayers Arms Junction
	11 Reversible Up South London Line	9352	Brunswick Court Junction to South Bermondsey Station
	South London Reversible / Bermondsey Reversible / Up Bermondsey Spur	9353	Spa Road Junction to Bricklayers Arms Junction

Kent / Sussex Route GI - Dated: 01/01/2018

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Matisa B66 UC Tamping Machines

Routes and Restrictions

Matisa B66 UC Tamping Machines are permitted to travel over all lines on Kent and Sussex Routes subject to the restrictions shown in the table below. These machines shall operate with the special train descriptions 6Q66 or 6Q68 at all times, which must not be used for any other purpose

When operating in a T3 possession the responsibility for ensuring there is sufficient clearance at restricted locations is with the machine crew and PICOP/ES.

Route	Restriction
All CTRL (HS1) routes (including connecting lines)	• Prohibited
SO110 Victoria to Ramsgate (via Herne Hill and Chatham)	• Prohibited from the Down Passenger Loop Line (Platform 2) through Tulse Hill station
SO230 Folkestone East to Folkestone Harbour	• Prohibited
SO280 Farringdon to Herne Hill	• Prohibited from the Down Cambria Spur Line between Loughborough Jn and Cambria Jn
SO330 Nunhead to Hayes	• Prohibited from the Up Mid Kent Line between New Beckenham Jn and Hayes • Prohibited from the Up Mid Kent line (platform 1) through Lewisham station
SO350 Grove Park to Bromley North	• Prohibited from the Up Line (Platform 1) through Sundridge Park statio
SO500 Victoria to Brighton	• Prohibited from the Down Fast Line (Platform 3) through Selhurst station
SO590 Keymer Jn to Eastbourne	• Prohibited from the Down Lewes Line (Platform 1) through Lewes station • Prohibited from the Up Main Line (Platform 1) through Berwick station • Prohibited from Platform 3 at Eastbourne station
SO620 Brighton to Seaford	• Prohibited from the Up East Branch Line between Montpelier Jn and London Road
SO680 South Bermondsey Jn to Horsham	• Prohibited from the Down Portsmouth Line (Platform 1) through Epsom station

Kent / Sussex Route GI - Dated: 20/05/17

Matisa B66 UC Tamping Machine

Routes and Restrictions

Matisa B66 UC Tamping Machines are permitted to travel over all lines on Wessex Route subject to the restrictions shown in the table below. These machines shall operate with the special train descriptions 6Q66 or 6Q68 at all times, which must not be used for any other purpose

When operating in a T3 possession the responsibility for ensuring there is sufficient clearance at restricted locations is with the machine crew and PICOP/ES.

Route	Restriction
SW100 Waterloo to Clapham Jn	• Prohibited from Platform 18 at London Waterloo • Prohibited from the Up Main Slow between London Waterloo and Vauxhall • Prohibited from the Up Main Slow Line (Platform 7) through Vauxhall station • Prohibited from the Down Main Slow Line (Platform 8) through Vauxhall station
SW105 Clapham Jn to Weymouth	• Prohibited from the Up Slow Line between Clapham Jn and Wimbledon East 'A' Jn • Prohibited from the Down Passenger Loop Line (Platform 4) through Brockenhurst station
SW110 Woking Jn to Portsmouth Harbour	• Prohibited from the Down Line (Platform 2) through Rowlands Castle station
SW140 St Denys to Portcreek Jn	• Prohibited from the Down Line between St Denys Jn and Woolston
SW195 Hampton Court Jn to Hampton Court	• Prohibited from Platform 1 at Hampton Court station
SW200 Hampton Court Jn to Guildford (via Cobham)	• Prohibited from the Up Line (platform 1) through Effingham Junction station
SW245 Twickenham to Shacklegate Jn	• Prohibited from the Down Line between Twickenham Jn and Strawberry Hill

Wessex Route GI - Dated: 17/10/15

Management of Trains with Gauge or Routing Restrictions in Southern Region

Principles

This procedure covers how trains operating with routing or gauge restrictions will be advised to Network Rail Southern Region staff and Network Rail staff planning train services on Southern Region. It mandates principles for use of appropriate head codes to distinguish trains which need special attention.

Background

Gauge is not absolute and new vehicles must be specifically cleared for each route they are required to run over. Restrictions on train services can relate either to the load they carry or to the vehicles themselves and there are a variety of means of documenting them:

- • Statement of Compatibility (SoC, the source document for rolling stock, ref GE/RT8270)
- • Sectional Appendix Route Clearance Tables (based on SoC for traffic running regularly in Route)
- • RT3973 (Loads information: CON, HAW, EXL and NUC)
- • Route Loads Book

There are essentially 2 types of restriction from a signaller's perspective:

- • Routing and speed restrictions which the signaller is to be aware of but for which they are not the primary controller of risk
- • Restrictions (such as a requirement to block the other line for the passage of a train) which only the signaller can implement

Notification to Operations Staff

Line Managers are responsible for making the following staff aware of operational restrictions in order that they are able to carry out their duties effectively:

- • Signallers
- • Train planners
- • Train Running Controllers and other VSTP planners

Other Control staff should also have access to information on operational restrictions.

For rolling stock restrictions which are not published in the Sectional Appendix the following methods may be used to provide information on restrictions to the above staff:

- • Signal Box Instruction or Control Notice
- • Copy of the RT3973 issued to train crew
- • Condition of Travel Notice (COTN) issued by Capacity Planning
- • COTN issued by the VSTP team (which may be a copy of the RT3973 reviewed and endorsed by the VSTP planner)
- • Copy of the Statement of Compatibility

Issuing a Statement of Compatibility to operational staff is non-preferred as they are complex, network-wide documents and because multiple SoC may exist for the same rolling stock type (e.g. hauling or transfer moves, testing, passenger operation). For regular passenger stock movements, the preferred approach is for Operations Managers to issue a Signal Box Notice which details the restrictions for the rolling stock concerned until a stable gauging position is established enabling publication in the Sectional Appendix.

Operations Managers will each maintain a defined set of arrangements for management and control of notices issued to their signalling locations. These arrangements shall be documented and reviewed annually. The Head of Control shall do the same for Control staff.

Use of Head Code to Advise Restriction

On Southern Region the following arrangements must be applied:

- • *X** used for services which operate with an RT3973EXL (Exceptional Loads traffic)
- •

- *X** used for services which run with restrictions which can be implemented only by the signaller (such as OPPOS), whether freight, passenger or ECS
- Note: *X** run ex-ARS and must be signalled manually
- *X** is not to be used for trains with only routing restrictions

A range of options are required for trains with routing restrictions because these can vary greatly. Because rolling stock must be positively gauge cleared for each route over which it is to operate it is likely that rolling stock will carry restrictions of some sort. One of the following methods are to be used in Southern Region to identify services running with routing restrictions:

- • *Q** for services which must not be run off planned route, running line or path or which have significant routing restrictions
- • Use of a nominated specific range of head codes for services which have a limited number of restrictions, for example a restriction in just one signal box area or when pre-agreed by the relevant Route Operations team
- • Some services with restrictions require no specific precautions or notification, for example passenger stock where the only restrictions are in locations where they are not required to operate.

For operation of new services, the head code strategy is to be agreed with the relevant Route operations team and a record kept of the agreed decision and the rationale for it. This policy is not intended to change practices that are currently well established and work without problem (such as the operation of freight trains carrying container traffic under RT3973CON).

VSTP Planning

Southern Region Control teams are able to manage VSTP pathing for trains with gauge or routing restrictions but to enable adequate consideration, full details of the relevant restrictions must be supplied to the VSTP team. The following will be required:

- • A minimum of 24 hours' notice must be provided to enable due diligence in establishing a suitable path and preparing the necessary notices
- • The VSTP request form must be submitted by the requestor with the restrictions box correctly completed and either the applicable RT3973 or SoC attached with the request
- • The Control team will identify whether a suitable path can be found, check the suitability of the head code to be used using the guidance above, prepare and issue a suitable notice using the guidance above and advise signalboxes on Route either directly (for Southern Region locations) or via Route Controls (for off-Route locations)
- • The VSTP requestor is responsible for ensuring that the correct version of any RT3973 or SoC is submitted and in the event of any discrepancy the VSTP request will be declined

South East (Kent, Sussex, Wessex) Territory GI - Dated: 25/09/2022

Movement of Long Welded Rail trains

The following conditions must be applied to the working of Long Welded Rail Mark 11 trains consisting of Perch (YEA), Porpoise (YEA) and Otter (YXA) wagons:-

1. Train to travel under codes ‘Longlo’ and ‘Shuntex’ (see Clause D7, Green Pages and Out-of-Gauge Loads Instructions GO/RT3062/5).
6. Trains must be worked with caution when travelling through connections and from main line to sidings and yards and vice versa.
7. The train must not pass over curves of less than 5 chains (120 metres) radius unless such movements are specially set out in the Special Traffic Notice or other appropriate operating notice, or in case of emergency, authorised by Network Rail Control.
8. Propelling movements to be undertaken at extreme caution.
9. The person in charge of starting and exchange points must confirm that the Train Crew are aware that lone welded rails are being conveyed, and Train Crew must keep a sharp lookout throughout the journey.
10. The length of the complete12 wagon train is 875’ 8” (42 SLUs), RA 5 and weigh between 429 tonnes (tare) and 718 tonnes depending on number of rails conveyed.
11. The train must not be moved without all wagons, in the case of a loaded train, or the chute and stabling wagons, in the case of an empty train, carrying ‘Load Examined’ labels. This is to confirm that the train has been loaded to the ‘Loading Standard’ Y instruction book BR 36841) and that Plant and equipment on the train is safely and securely stowed in its travelling position.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Multiple units equipped with emergency brake switch (EBS)

On the following single line sections:-

Appledore and Ore (inclusive)

Wilton Jn and Tisbury (exclusive)

Castle Cary (exclusive) and Dorchester West.

Hurst Green - Uckfield

If the EBS switch is operated and the train is formed of more than one unit, immediately before leaving the single line section the driver must establish that the train is still complete (stopping if necessary) and advise the Signaller accordingly.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 24/03/12

Multiple Unit Trains – Emergency Sanding Equipment (Where fitted)

Certain multiple unit trains are fitted with emergency sanding equipment which the Driver will operate when it is necessary to stop the train in conditions of very low adhesion.

Each driving cab carries one application of sand, and once the equipment has been operated from that cab, the facility will not be available again until the containers have been replaced.

Driver's Actions
When the emergency sanding equipment has been used the train must be brought to a stand and the Driver must inform the Signaller immediately and report the following:-

- That the emergency 'Sanding' equipment has been operated.
- The location where the equipment was discharged and the current location of the train.

If the Signaller cannot be contacted **immediately** via the Cab Secure Radio or a signal post telephone, the Driver must place a track circuit operating clip on the line immediately in front of the train. To avoid delay, if the Driver alights to use a signal post telephone, a track circuit operating clip should be taken as well.

The Signaller may instruct the Driver to place a track circuit operating clip on the line immediately in front of the train.

When the Signaller confirms that the train has been protected, the Driver must provide the following additional information:

- Why the equipment was operated i.e. whether for a genuine emergency, system fault or operated in error.
- The location of poor adhesion which caused the sander to be needed.
- The unit and vehicle number on which the sanding equipment was operated.

Signaller's Actions
On receipt of a report from a Driver that the emergency sanding equipment has been operated on a unit, the Signaller must **immediately**:-

- Place or maintain the signal in rear of the train at Danger.
- If the line where the train is standing is track circuited, confirm that the track circuit is showing occupied. Should the track circuit not be showing occupied and the signal in rear cannot be placed to danger, instruct the Driver to apply a track circuit operating clip immediately in front of the train.
- Advise the Driver when the train is protected and record the information provided. (On Reversible lines, protection must also be applied to prevent the approach of trains in the opposite direction.).

When it has been ascertained that train movements may re-commence, the next controlled signal in rear of where the sander was operated must be maintained at danger behind the first train to proceed through the affected section until the train has passed clear of the overlap of the signal in advance of where the train stopped and occupied the track circuit ahead. The passage of this first train shall be observed to ensure that track circuits work correctly. This method of signalling shall continue until it has been ascertained that the track circuits are working correctly.

Where poor adhesion problems have been reported, follow the Rule Book, Module TW1, Sections 28.1 – 28.4 'Rail Head adhesion'.

Inform Operations Control giving details of the unit and vehicle numbers, train running details, time and location of the incident.

Ensure that all the details are recorded (signal box train register/occurrence book).

Operations Control Actions
When informed of an emergency sanding equipment operation the Route Control Manager must:
- Advise the Train Operating Company concerned in order for them to have the sand cylinders replaced at the next convenient opportunity. (**Note:** This **must** be done before the unit is allowed to re-enter service the next day.)
- Arrange for the data recorder to be down loaded.
- Report all details to the Network Rail National Control Centre

South East (Kent, Sussex, Wessex) Territory GI - Dated: 07/12/13

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GSM-R - CAB RADIO REGISTRATION – MAIN AND POSITION LIGHT SIGNALS LOCATION CODES

DRIVERS ARE TO REGISTER USING THE LAST 3 DIGITS OF THE SIGNAL ID, ADDING LEADING ZEROS WHERE REQUIRED (E.G. FOR SIGNAL SN23, REGISTER USING 023) EXCEPT WHERE THE SIGNAL IS LISTED BELOW. IN SUCH CASES, THE CORRESPONDING LOCATION CODE IN THIS SECTION IS TO BE USED.

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
SW105 CLAPHAM JUNCTION TO WEYMOUTH					
Wimbledon	Platform 7 (Up direction)	W1144	994	Wimbledon Panel 3	74 4114 01
Surbiton	Up Sidings Exit	WK1108	994	Woking Panel 1	74 4109 01
Surbiton	Down Fast (Up direction)	WK1106	994	Woking Panel 1	74 4109 01
Surbiton	Down Slow (Up direction)	WK1104	994	Woking Panel 1	74 4109 01
Farnborough	Up Fast (Down direction)	BE5101	994	Basingstoke East	74 4205 01
Eastleigh Yard	Reception Line 1 Exit	E213	993	Eastleigh Panel 1	74 4220 01
Eastleigh Yard	Reception Line 2 Exit	E215	993	Eastleigh Panel 1	74 4220 01
Eastleigh Yard	Reception Line 3 Exit	E217	993	Eastleigh Panel 1	74 4220 01
Eastleigh	DCS Exit	E239	994	Eastleigh Panel 1	74 4220 01
Eastleigh Wessex Train Care Depot	Depot Exit	E241	993	Eastleigh Panel 1	74 4220 01
Northam Depot	No.2 Reception (Up direction)	E912	993	Eastleigh Panel 2A	74 4221 01
Southampton	Bay Siding East	E927	993	Eastleigh Panel 2B	74 4222 01
Bournemouth	Cemetery Jn Down Main (Up direction)	BC1020	994	Bournemouth	74 4213 01
Branksome Jn	Up Main (Down direction)	BC1021	994	Bournemouth	74 4213 01
Weymouth	Exit Jersey sidings	DR363	994	Dorchester South	74 4201 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
SW110 WOKING JUNCTION TO PORTSMOUTH HARBOUR					
Chalk Tunnel	Down Main (Up direction)	GD1308	993	Guildford Panel 1	74 4110 01
Petersfield	Platform 2 (Up direction)	PF10	994	Petersfield	74 4211 01
SW115 WORTING JUNCTION TO EXETER ST. DAVIDS					
Laverstock North Jn	Up Main (Down direction)	SY201	994	Salisbury	74 4218 01
Laverstock North Jn	Down Main (Up direction)	SY202	994	Salisbury	74 4218 01
Salisbury East	Up Main (Down direction)	SY213	994	Salisbury	74 4218 01
Salisbury East	Up Siding Shunt Neck (Down direction)	SY211	994	Salisbury	74 4218 01
Salisbury East	Up Siding (Up direction)	SY212	994	Salisbury	74 4218 01
Salisbury East	Up Siding (Down direction)	SY215	994	Salisbury	74 4218 01
Salisbury East	Through Siding (Up direction)	SY216	994	Salisbury	74 4218 01
Salisbury East	Down Siding No.1	SY219	994	Salisbury	74 4218 01
Salisbury East	Down Siding No.2	SY221	994	Salisbury	74 4218 01
Salisbury East	Through Siding (Down direction)	SY223	994	Salisbury	74 4218 01
Salisbury	Reception Siding (Down direction)	SY231	994	Salisbury	74 4218 01
Salisbury	West Carriage Siding	SY238	994	Salisbury	74 4218 01
Gillingham	Up Siding Exit	SE4678	994	Basingstoke West of England	74 4207 01
SW135 EASTLEIGH TO FAREHAM					
Fareham Jn	Up Portsmouth (Down direction)	E283	993	Eastleigh Panel 2B	74 4222 01
SW140 ST. DENYS TO PORTCREEK JUNCTION					
Fareham	Platform 3 (Up direction)	E280	993	Eastleigh Panel 2B	74 4222 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
SW170 WESTBURY TO WILTON JUNCTION					
Wilton Jn GSP	Up Warminster (Down direction)	GSP7	994	Salisbury	74 4218 01
Wilton Jn GSP	Down Warminster	GSP8	994	Salisbury	74 4218 01
Wilton Jn GSP	Quidhampton Siding	GSP6	994	Salisbury	74 4218 01
SW180 RAYNES PARK TO HORSHAM					
Leatherhead	Up Portsmouth (Down direction)	W1195	993	Wimbledon ASC – Panel 4	74 4115 01
SW190 NEW MALDEN TO SHEPPERTON					
Shacklegate Jn	Up Kingston line (down direction)	BEF2449	994	Stawberry Hill WS 1	74 3371 01
SW200 HAMPTON COURT JUNCTION TO GUILDFORD (VIA COBHAM)					
Horsley	Down line (Up direction)	GD1322	994	Guildford Panel 2	74 4111 01
SW210 CLAPHAM JUNCTION TO READING					
Richmond	Platform 1 (Up direction)	BEF2102	994	Stawberry Hill WS1	74 3371 01
Staines	East Siding exit	F471	994	Feltham Panel 3	74 4102 01
Ascot	Up Main (Down direction)	F501	994	Feltham Panel 4	74 4103 01
SW230 BARNES TO FELTHAM JUNCTION (VIA HOUNSLOW)					
Hounslow	Platform 1 (Down direction)	F445	994	Feltham Panel 2	74 4101 01
Hounslow	Platform 2 (Up direction)	F444	994	Feltham Panel 2	74 4101 01
SW245 TWICKENHAM TO SHACKLEGATE JUNCTION					
Strawberry Hill	Down Strawberry Hill (Down direction)	BEF2457	994	Srawberry Hill WS1	74 3371 01
Shacklegate Jn	Up Strawberry Hill (Down direction)	BEF2467	994	Srawberry Hill WS1	74 3371 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
SW250 STAINES TO WINDSOR AND ETON RIVERSIDE					
Staines Oil Sidings	Up Windsor line	F478	994	Feltham Panel 3	74 4102 01
SW300 GOMSHALL TO SHALFORD JUNCTION					
Shalford	Up Redhill (Down direction)	GD1341	993	Guildford Panel 1	74 4110 01

* Signal PW5238 has a red aspect but uses position light signals to indicate a proceed aspect

GSM-R – CAB RADIO REGISTRATION – AREA-SPECIFIC 99X LOCATION CODES

When required to use a 99X location code (also known as '*wild card number*') to pre-register or to register the cab radio as shown in the GSM-R user procedures the following area specific location code must be used in the areas covered by this Sectional Appendix:

994 Wessex Route

Wessex Route GI - Dated: 01/04/2022

Platform lengths - Kent Route

Notes

The platform lengths shown are dimensioned top of ramp to top of ramp and an allowance for signals, stop boards, buffer stops & stopping tolerance must be deducted from these figures to arrive at effective lengths.

All length (cars) refers to Mark 1 stock unless otherwise stated. (N) denotes classes 365/465/466

PLATFORM CAPACITIES - KENT ROUTE

Station	Platform	Length (cars)	Length (metres)
Abbey Wood	Platform 1	12	241.8
	Platform 2	12	244.2
Adisham	Platform 1	8	166.2
	Platform 2	8	170.6
Albany Park	Platform 1	12	284.9
	Platform 2	12	284.9
Appledore	Platform 1	4	87.0
	Platform 2	4	80.0
Ashford (Kent)	Platform 1	12	265
	Platform 2	12	265
	Platform 3	18 (Eurostar)	412
	Platform 4	18 (Eurostar)	412
	Platform 5	12	260
	Platform 6	12	260
Aylesford	Platform 1	4	106.0
	Platform 2	4	94.0
Aylesham	Platform 1	8	167.1
	Platform 2	8	167.2
Barming	Platform 1	6	122.2
	Platform 2	6	125.6
Barnehurst	Platform 1	12	282.4
	Platform 2	12	284.9
Bat & Ball	Platform 1	8	170.0
	Platform 2	8	167.9
Battle	Platform 1	8	167.0
	Platform 2	8	172.0
Bearstead	Platform 1	8	167.3
	Platform 2	8	169.8
Beckenham Hill	Platform 1	8	170.3
	Platform 2	8	169.3
Beckenham Junction	Platform 1	8	164.5
	Platform 2	8	243.0
	Platform 3	8	209.9
	Platform 4	8	177.7
Bekesbourne	Platform 1	8	165.9
	Platform 2	8	166.5
Bellingham	Platform 1	8	164.0
	Platform 2	8	164.0
Beltring	Platform 1	4	88.0
	Platform 2	4	88.0
Belvedere	Platform 1	12	248.0
	Platform 2	12	249.0

Station	Platform	Length (cars)	Length (metres)
Bexley	Platform 1	12	285.8
	Platform 2	12	285.9
Bexleyheath	Platform 1	12	287.2
	Platform 2	12	294.7
Bickley	Platform 1	8	184.5
	Platform 2	8	183.8
	Platform 3	8	184.2
	Platform 4	8	184.2
Birchington on Sea	Platform 1	12	247.0
	Platform 2	12	247.6
Blackfriars	Platform 1	12	269
	Platform 2	12	282
	Platform 3	12	282
	Platform 4	12	284
Blackheath	Platform 1	12	264.9
	Platform 2	12	242.1
Borough Green & Wrotham	Platform 1	8	167.9
	Platform 2	8	167.7
Brixton	Platform 1	8	164.3
	Platform 2	8	165.9
Broadstairs	Platform 1	12	247.2
	Platform 2	12	248.4
Bromley North	Platform 1	10/8 (N)	179.0
	Platform 2	10/8 (N)	179.0
Bromley South	Platform 1	12	264.6
	Platform 2	12	264.3
	Platform 3	12	264.3
	Platform 4	12	264.5
Cannon Street	Platform 1	12	259.3
	Platform 2	12	259.3
	Platform 3	12	259.3
	Platform 4	12	259.3
	Platform 5	12	262.3
	Platform 6	12	259.3
	Platform 7	12	259.3
Canterbury East	Platform 1	8	164.0
	Platform 2	8	166.5
Canterbury West	Platform 1	8	159.6
	Platform 2	8	166.6
Catford	Platform 1	8	164.7
	Platform 2	8	162.1
Catford Bridge	Platform 1	12	300.1
	Platform 2	12	316.9
Charing	Platform 1	5	124.8
	Platform 2	5	124.8
Charing Cross ①	Platform 1	12	252.6
	Platform 2	12	250.8
	Platform 3	12	254.1
	Platform 4	11	222.8
	Platform 5	11	220.6
	Platform 6	11	227.8

Station	Platform	Length (cars)	Length (metres)
Charlton	Platform 1	12	242.0
	Platform 2	12	243.6
Chartham	Platform 1	4	130.2
	Platform 2	4	121.4
Chatham	Platform 1	12	249.0
	Platform 2	12	249.0
Chelsfield	Platform 1	12	249.4
	Platform 2	12	244.6
Chestfield & Swalecliffe	Platform 1	12	287.5
	Platform 2	12	281.7
Chilham	Platform 1	4	88.4
	Platform 2	4	88.2
Chislehurst	Platform 1	12	247.7
	Platform 2	12	247.3
	Platform 3	12	247.1
	Platform 4	12	248.4
City Thameslink	Platform 1	12	275.0
	Platform 2	12	275.0
Clapham High Street	Platform 1	4	102.3
	Platform 2	4	102.3
Clock House	Platform 1	12	296.2
	Platform 2	12	283.8
Crayford	Platform 1	12	285.9
	Platform 2	12	288.3
Crofton Park	Platform 1	8	167.7
	Platform 2	8	163.5
Crowhurst	Platform 1	8	169.0
	Platform 2	12	248.0
Cuxton	Platform 1	4	97.0
	Platform 2	4	77.0
Dartford	Platform 1	12	207.0
	Platform 2	12	207.0
	Platform 3	12	225.0
	Platform 4	12	225.0
Deal	Platform 1	8	196.0
	Platform 2	8	183.0
Denmark Hill	Platform 1	8	166.1
	Platform 2	8	165.4
	Platform 3	8	165.5
	Platform 4	8	165.8
Deptford	Platform 1	12	241.8
	Platform 2	12	243.4
Doleham	Platform 1	1	40.0
Dover Priory	Platform 1	12	245.0
	Platform 2	10	209.3
	Platform 3	8	181.9
Dumpton Park	Platform 1	12	247.1
	Platform 2	12	250.9
Dunton Green	Platform 1	12	281.4
	Platform 2	12	279.7

Station	Platform	Length (cars)	Length (metres)
East Farleigh	Platform 1	4	85.0
	Platform 2	4	92.0
East Malling	Platform 1	8	166.5
	Platform 2	8	162.9
Eden Park	Platform 1	12	284.5
	Platform 2	12	282.8
Elephant & Castle	Platform 1	7	149.9
	Platform 2	8	156.5
	Platform 3	8	157.0
	Platform 4	8	161.6
Elmers End	Platform 2	12	249.8
	Platform 3	12	244.4
Elmstead Woods	Platform 1	12	264.9
	Platform 2	12	247.7
	Platform 3	12	247.6
	Platform 4	12	248.2
Eltham	Platform 1	12	245.9
	Platform 2	12	242.2
Erith	Platform 1	12	241.9
	Platform 2	12	241.8
Etchingham	Platform 1	8	167.0
	Platform 2	8	186.0
Eynsford	Platform 1	8	158.1
	Platform 2	8	162.5
Falconwood	Platform 1	12	285.5
	Platform 2	12	286.2
Farningham Road	Platform 1	8	165.0
	Platform 2	8	166.0
Farringdon	Platform 3	12	269
	Platform 4	12	269
Faversham	Platform 1	12	271.0
	Platform 2	12	271.0
	Platform 3	12	245.0
	Platform 4	12	246.3
Folkestone Central	Platform 1	12	250.5
	Platform 2	12	245.4
Folkestone Harbour	Platform 1	12	242.0
	Platform 2	12	327.0
Folkestone West	Platform 1	8	248.2
	Platform 2	8	247.4
Frant	Platform 1	8	172.0
	Platform 2	8	175.0
Gillingham (Kent)	Platform 1	12	245.2
	Platform 2	12	246.3
	Platform 3	12	247.2
Gravesend	Platform 0	12	249
	Platform 1	12	248
	Platform 2	12	243
Greenhithe	Platform 1	12	243.4
	Platform 2	12	241.8

Station	Platform	Length (cars)	Length (metres)
Greenwich	Platform 1	12	241.8
	Platform 2	12	248.5
Grove Park	Platform 1	10/8 (N)	
	Platform 2	12	290.8
	Platform 3	10	288.6
	Platform 4	12	299.6
	Platform 5	10	299.9
Halling	Platform 1	6	128.0
	Platform 2	6	123.0
Ham Street	Platform 1	4	91.0
	Platform 2	4	85.0
Harrietsham	Platform 1	5	124.8
	Platform 2	5	124.8
Hastings	Platform 1	8	167.0
	Platform 2	12	246.0
	Platform 3	12	248.0
	Platform 4	12	247.0
Hayes	Platform 1	12	310.1
	Platform 2	12	310.1
Headcorn	Platform 1	12	255.4
	Platform 2	12	249.4
Herne Bay	Platform 1	12	246.8
	Platform 2	12	247.4
Herne Hill	Platform 1	8	189.1
	Platform 2	8	187.7
	Platform 3	8	189.9
	Platform 4	8	186.2
High Brooms	Platform 1	12	249.0
	Platform 2	12	249.0
Higham	Platform 1	10	300.7
	Platform 2	10	286.8
Hildenborough	Platform 1	12	245.1
	Platform 2	12	251.2
Hither Green	Platform 1	12	285.7
	Platform 2	12	288.2
	Platform 3	12	287.1
	Platform 4	12	284.8
	Platform 5	12	245.1
	Platform 6	12	246.3
Hollingbourne	Platform 1	5	124.8
	Platform 2	5	124.8
Kearsney	Platform 1	8	169.5
	Platform 2	8	161.7
Kemsing	Platform 1	6	122.7
	Platform 2	6	121.4
Kemsley	Platform 1	8	167.0
	Platform 2	8	168.0
Kent House	Platform 1	8	186.1
	Platform 2	8	185.9
	Platform 3	8	182.4
	Platform 4	8	183.8

Station	Platform	Length (cars)	Length (metres)
Kidbrooke	Platform 1 Platform 2	12 12	284.7 284.7
Knockholt	Platform 1 Platform 2	12 12	288.9 291.5
Ladywell	Platform 2 Platform 3	12 12	291.8 292.5
Lee	Platform 1 Platform 2	12 12	249.1 252.8
Lenham	Platform 1 Platform 2	8 8	167.0 167.3
Lewisham	Platform 1 Platform 2 Platform 3 Platform 4	12 12 12 12	297.1 297.1 297.4 297.2
London Bridge	Platform 1 Platform 2 Platform 3 Platform 4 Platform 5 Platform 6 Platform 7 Platform 8 Platform 9	12 12 12 12 12 12 12 12 12	246m 246m 246m 246m 246m 246m 246m 246m 246m
Longfield	Platform 1 Platform 2	12 12	246.0 246.0
Loughborough Junction	Platform 1 Platform 2	8 8	190.5 163.2
Lower Sydenham	Platform 2 Platform 3	12 12	285.0 284.0
Maidstone Barracks	Platform 1 Platform 2	8 8	167.0 165.0
Maidstone East	Platform 1 Platform 2 Platform 3	8 8 8	166.4 164.8 172.4
Maidstone West	Platform 1 Platform 2	8 8	175.0 152.0
Marden	Platform 1 Platform 2	12 12	244.0 244.8
Margate	Platform 1 Platform 2 Platform 3 Platform 4	12 12 12 12	249.1 248.4 249.5 298.7
Martin Mill	Platform 1 Platform 2	8 8	166.0 166.0

Station	Platform	Length (cars)	Length (metres)
Maze Hill	Platform 1	12	242.5
	Platform 2	12	241.8
Meopham	Platform 1	12	245.0
	Platform 2	12	244.0
Minster	Platform 1	8	161.6
	Platform 2	8	179.3
Mottingham	Platform 1	10	206.7
	Platform 2	10	206.9
New Beckenham	Platform 2	12	282.6
	Platform 3	12	284.2
New Cross	Platform A	12	298.5
	Platform B	12	243.4
	Platform C	12	242.1
New Eltham	Platform 1	12	285.2
	Platform 2	12	288.9
New Hythe	Platform 1	8	166.0
	Platform 2	8	166.0
Newington	Platform 1	12	246.7
	Platform 2	12	244.2
Northfleet	Platform 1	10	208.3
	Platform 2	10	207.3
Nunhead	Platform 1	8	163.7
	Platform 2	8	163.2
Ore	Platform 1	6	107.0
	Platform 2	6	107.0
Orpington	Platform 1	12	257.0
	Platform 2	12	270.0
	Platform 3	12	275.0
	Platform 4	12	275.0
	Platform 5	12	277.0
	Platform 6	12	256.0
	Platform 7	12	256.4
	Platform 8	12	254.4
Otford	Platform 1	8	168.3
	Platform 2	8	168.8
Paddock Wood	Platform 1	12	244.1
	Platform 2	12	243.5
	Platform 3	4	170.0
Peckham Rye	Platform 1	8	163.5
	Platform 2	8	163.0
Penge East	Platform 1	8	184.0
	Platform 2	8	184.0
Petts Wood	Platform 1	12	297.4
	Platform 2	12	296.1
	Platform 3	12	291.1
	Platform 4	12	292.1
Pluckley	Platform 1	8	164.1
	Platform 2	8	164.3
Plumstead	Platform 1	12	246.3
	Platform 2	12	243.6

Station	Platform	Length (cars)	Length (metres)
Queenborough	Platform 1	8	165.0
	Platform 2	8	165.0
Rainham	Platform 0	12	257.0
	Platform 1	12	351.0
	Platform 2	12	247.3
Ramsgate	Platform 1	12	245.1
	Platform 2	12	248.0
	Platform 3	12	245.9
	Platform 4	12	245.1
Ravensbourne	Platform 1	8	163.7
	Platform 2	8	162.0
Robertsbridge	Platform 1	8	166.0
	Platform 2	8	186.0
Rochester	Platform 1	12	250.0
	Platform 2	12	253.0
	Platform 3	12	253.0
Rye	Platform 1	4	98.0
	Platform 2	4	75.0
Sandling	Platform 1	8	183.7
	Platform 2	8	183.6
Sandwich 12 carriage platforms available up to and including the Open Golf Championship in July 2021 and during future Open Golf Championships	Platform 1	12	247.4
	Platform 2	12	250.1
Selling	Platform 1	8	155.6
	Platform 2	8	164.8
Sevenoaks	Platform 1	12	266.2
	Platform 2	12	265.5
	Platform 3	12	264.8
	Platform 4	12	263.8
Sheerness-on-Sea	Platform 1	12	244.0
	Platform 2	8	167.0
Shepherds Well	Platform 1	8	167.3
	Platform 2	8	174.5
Shoreham	Platform 1	8	162.3
	Platform 2	8	163.3
Shortlands	Platform 1	8	185.0
	Platform 2	8	184.0
	Platform 3	8	183.7
	Platform 4	8	184.7
Sidcup	Platform 1	12	285.4
	Platform 2	12	285.8
Sittingbourne	Platform 1	12	246.5
	Platform 2	12	247.6
	Platform 3	12	241.5
Slade Green	Platform 1	12	241.7
	Platform 2	12	241.9
Snodland	Platform 1	6	144.0
	Platform 2	6	122.0

Station	Platform	Length (cars)	Length (metres)
Snowdown	Platform 1 Platform 2	8 8	167.3 167.7
Sole Street	Platform 1 Platform 2	8 8	168.8 178.0
St Johns	Platform 1 Platform 2	12 12	319.2 320.5
St Leonards Warrior Square	Platform 1 Platform 2	8 8	165.0 166.0
St Mary Cray	Platform 1 Platform 2 Platform 3 Platform 4	12 12 12 12	244.1 244.0 244.1 243.8
Staplehurst	Platform 1 Platform 2	12 12	245.0 244.2
Stone Crossing	Platform 1 Platform 2	12 12	285.1 338.1
Stonegate	Platform 1 Platform 2	8 8	172.0 171.0
Strood	Platform 1 Platform 2 Platform 3	12 12 12	283.0 276.0 286.0
Sturry	Platform 1 Platform 2	6 6	118.5 121.4
Sundridge Park	Platform 1 Platform 2	10/8 (N) 10/8 (N)	205.0 205.0
Swale	Platform 1	8	163.0
Swanley	Platform 1 Platform 2 Platform 3 Platform 4	12 12 12 12	252.0 251.2 251.0 250.1
Swanscombe	Platform 1 Platform 2	12 12	242.3 242.5
Sydenham Hill	Platform 1 Platform 2	8 8	183.8 182.0
Teynham	Platform 1 Platform 2	12 12	248.5 244.4
Three Oaks	Platform 1	1	31.0
Tonbridge	Platform 1 Platform 2 Platform 3 Platform 4	12 12 12 8	255 252 247.1 165.3
Tunbridge Wells	Platform 1 Platform 2	11 11	232.0 228.0

Station	Platform	Length (cars)	Length (metres)
Victoria	Platform 1	13	270.0
	Platform 2	14	359.0
	Platform 3	8	188.0
	Platform 4	8	201.0
	Platform 5	12/10 (N)	247.0
	Platform 6	12/10 (N)	245.0
	Platform 7	13	286.0
	Platform 8	10	221.0
Wadhurst	Platform 1	8	168.0
	Platform 2	8	166.0
Walmer	Platform 1	8	166.0
	Platform 2	8	165.0
Wandsworth Road	Platform 1	4	110.8
	Platform 2	4	86.0
Wateringbury	Platform 1	4	85.0
	Platform 2	4	84.0
Waterloo East	Platform A	12	282.5
	Platform B	12	245.0
	Platform C	12	250.0
	Platform D	12	257.4
Welling	Platform 1	12	287.0
	Platform 2	12	284.7
West Dulwich	Platform 1	8	169.9
	Platform 2	8	167.2
West Malling	Platform 1	8	167.3
	Platform 2	8	167.5
West St Leonards	Platform 1	8	174.0
	Platform 2	10	211.0
West Wickham	Platform 1	12	286.9
	Platform 2	12	299.3
Westcombe Park	Platform 1	12	241.8
	Platform 2	12	241.8
Westenhanger	Platform 1	5	109.4
	Platform 2	8	171.8
Westgate-on-Sea	Platform 1	12	254.3
	Platform 2	12	255.9
Whitstable	Platform 1	12	246.7
	Platform 2	12	247.2
Winchelsea (SEE NOTE 2)	Platform 1	4 3 (Class 171)	81.0
Woolwich Arsenal	Platform 1	10	248.0
	Platform 2	10	248.0
Woolwich Dockyard	Platform 1	10	224.0
	Platform 2	10	224.0
Wye	Platform 1	6	124.9
	Platform 2	6	120.8
Yalding	Platform 1	4	86.0
	Platform 2	4	86.0

① Because of reduced platform width special conditions apply to trains arriving at Charing Cross.

② Because of risk of overhang on a locally operated Level Crossing, trains longer than 3 cars are not permitted to stop at Winchelsea in the Down Direction.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 29/07/2023

Platform lengths - Sussex Route

Notes

The platform lengths shown are dimensioned top of ramp to top of ramp and an allowance for signals, stop boards, buffer stops & stopping tolerance must be deducted from these figures to arrive at effective lengths.

All length (cars) refers to Class 375 Stock unless otherwise stated. (N) denotes networker classes 465/466

PLATFORM CAPACITIES - SUSSEX ROUTE

Station	Platform	Length (cars)	Length (metres)
Aldrington	Platform 1	4	85.1
	Platform 2	4	85.2
Amberley	Platform 1	5	99.6
	Platform 2	5	114.5
Anerley	Platform 1	9	193.2
	Platform 2	8	167.6
Angmering	Platform 1	6	135.0
	Platform 2	7	136.2
Arundel	Platform 1	12	253.6
	Platform 2	12	244.1
Ashurst	Platform 1	10	237.0
	Platform 2	10	237.0
Balcombe	Platform 1	12	250.6
	Platform 2	8	166.0
Balham	Platform 1	10	201.0
	Platform 2	10	203.5
	Platform 3	8	163.7
	Platform 4	8	163.7
Banstead	Platform 1	8	163.1
Barnham	Platform 1	12	242.6
	Platform 2	12	243.8
	Platform 3	12	244.1
Battersea Park	Platform 2	5	110.0
	Platform 3	10	201.0
	Platform 4	8	180.0
	Platform 5	8	165.3
Beckenham Junction	Platform 1	8	164.5
	Platform 2	8	243.0
	Platform 3	8	209.9
	Platform 4	8	177.7
Belmont	Platform 1	8	159.7
Berwick	Platform 1	8	156.5
	Platform 2	8	157.9
Betchworth	Platform 1	4	93.0
	Platform 2	7	140.2
Bexhill	Platform 1	12	254.5
	Platform 2	12	286.5
Billingshurst	Platform 1	7	162.2
	Platform 2	7	168.2
Birkbeck	Platform 1	8	158.5
Bishopstone	Platform 1	6	120.1

Station	Platform	Length (cars)	Length (metres)
Blackfriars	Platform 1	12	269
	Platform 2	12	282
	Platform 3	12	282
	Platform 4	12	284
Bognor Regis	Platform 1	12	251.5
	Platform 2	12	253.3
	Platform 3	12	254.2
	Platform 4	4	130.8
Bosham	Platform 1	7	156.0
	Platform 2	8	179.3
Boxhill & Westhumble	Platform 1	10	205.0
	Platform 2	10	205.0
Brighton	Platform 1	12	234.7
	Platform 2	12	278.3
	Platform 3 (From Preston Park Direction)	12	250.5
	Platform 3 (From Hove Direction)	4	85.0
	Platform 4	12	250.5
	Platform 5	12	248.4
	Platform 6	12	250.2
	Platform 7	12	250.5
	Platform 8	12	240.0
Brockley	Platform 1	10	203.0
	Platform 2	10	203.0
Burgess Hill	Platform 1	12	262.1
	Platform 2	12	262.1
Buxted	Platform 1	10	238.0
Canada Water	Platform 1	5	90
	Platform 2	5	93
Canonbury	Platform 1	5	102
	Platform 2	5	128
Carshalton	Platform 1	10	201.0
	Platform 2	10	201.0
Carshalton Beeches	Platform 1	8	167.6
	Platform 2	8	167.6
Caterham	Platform 1	8	181.1
	Platform 2	8	181.1
Cheam	Platform 1	10	201.0
	Platform 2	10	201.0
Chichester	Platform 1	12	240.8
	Platform 2	12	244.8
Chipstead	Platform 1	5	117.7
	Platform 2	6	122.5
Christs Hospital	Platform 1	7	153.8
	Platform 2	7	153.1
City Thameslink	Platform 1	12	275.0
	Platform 2	12	275.0

Station	Platform	Length (cars)	Length (metres)
Clapham	Platform 1	7	140.8
	Platform 2	7	141.4
Clapham Junction	Platform 12	12	245.0
	Platform 13	12	253.0
	Platform 14	10	215.0
	Platform 15	10	213.0
	Platform 16	8	171.0
	Platform 17	8	173.8
Collington	Platform 1	4	81.1
	Platform 2	4	80.2
Cooden Beach	Platform 1	6	128.0
	Platform 2	6	128.0
Cooksbridge	Platform 1	6	137.8
	Platform 2	6	132.8
Coulsdon South	Platform 1	12	246.9
	Platform 2	12	246.9
Coulsdon Town	Platform 1	8	161.0
	Platform 2	8	161.0
Cowden	Platform 1	10	238.0
Crawley	Platform 1	12	249.9
	Platform 2	12	249.9
Crowborough	Platform 1	10	237.0
	Platform 2	10	237.0
Crystal Palace	Platform 1	10	202.4
	Platform 2	10	206.0
	Platform 3	8	163.7
	Platform 4	10	219.0
	Platform 5	8	178.0
	Platform 6	10	199.3
Dalston Junction	Platform 1	5	106.5
	Platform 2	5	106.5
	Platform 3	5	106.5
	Platform 4	5	106.5
Dorking	Platform 1	12	242.3
	Platform 2	12	244.1
	Platform 3	12	244.1
Dorking Deepdene	Platform 1	4	87.8
	Platform 2	4	87.8
Dorking West	Platform 1	5	111.9
	Platform 2	5	102.7
Dormans	Platform 1	8	169.0
	Platform 2	8	167.5
Durrington-on-Sea	Platform 1	6	123.3
	Platform 2	6	123.3
Earlswood	Platform 1	10	212.0
	Platform 2	10	213.5

Station	Platform	Length (cars)	Length (metres)
East Croydon	Platform 1	12	244.4
	Platform 2	12	244.9
	Platform 3	12	244.4
	Platform 4	12	244.4
	Platform 5	12	247.0
	Platform 6	12	247.0
East Dulwich	Platform 1	8	161.5
	Platform 2	8	165.2
East Grinstead	Platform 1	12	253.0
	Platform 2	12	254.0
East Worthing	Platform 1	4	85.0
	Platform 2	4	86.0
Eastbourne	Platform 1	12	243.2
	Platform 2	12	243.2
	Platform 3	12	254.8
Edenbridge	Platform 1	5	116.4
	Platform 2	6	118.3
Edenbridge Town	Platform 1	10	237.0
	Platform 2	10	237.0
Emsworth	Platform 1	7	152.3
	Platform 2	7	152.0
Epsom Downs	Platform 1	10	205.0
Eridge	Platform 1	10	234.0
Ewell East	Platform 1	8	158.5
	Platform 2	8	158.5
Falmer	Platform 1	8	171.9
	Platform 2	8	170.1
Farringdon	Platform 3	12	246
	Platform 4	12	246
Faygate	Platform 1	5	103.6
	Platform 2	5	100.2
Fishbourne	Platform 1	7	151.2
	Platform 2	6	123.5
Fishersgate	Platform 1	4	84.4
	Platform 2	4	84.4
Ford	Platform 1	8	162.5
	Platform 2	8	162.5
Forest Hill	Platform 1	10	202.0
	Platform 2	10	201.0
Gatwick Airport	Platform 1	12	246.9
	Platform 2	12	246.9
	Platform 3	12	246.9
	Platform 4	12	246.9
	Platform 5	12	241.7
	Platform 6	12	241.7
	Platform 7	12	247
Gipsy Hill	Platform 1	10	201.0
	Platform 2	10	201.0
Glynde	Platform 1	6	133.4
	Platform 2	7	138.7
Godstone	Platform 1	4	89.9
	Platform 2	6	118.6

Station	Platform	Length (cars)	Length (metres)
Goring-by-Sea	Platform 1	6	122.9
	Platform 2	6	144.5
Hackbridge	Platform 1	7	153.0
	Platform 2	8	159.6
Hampden Park	Platform 1	8	173.5
	Platform 2	8	163.5
Haggerston	Platform 1	5	102
	Platform 2	5	102
Hassocks	Platform 1	12	274.3
	Platform 2	12	274.3
Haydons Road	Platform 1	8	166.1
	Platform 2	8	159.4
Haywards Heath	Platform 1	12	241.4
	Platform 2	12	241.4
	Platform 3	12	241.4
	Platform 4	12	241.4
Hever	Platform 1	10	237.0
	Platform 2	10	237.0
Highbury & Islington	Platform 1	5	131
	Platform 2	5	136
Holmwood	Platform 1	6	123.1
	Platform 2	6	123.1
Honor Oak Park	Platform 1	10	201.0
	Platform 2	10	202.0
Horley	Platform 1	12	247.5
	Platform 2	12	247.5
	Platform 3	12	247.5
	Platform 4	12	247.5
Horsham	Platform 1	12	243.8
	Platform 2	12	249.9
	Platform 3	12	243.8
	Platform 4	12	251.5
Hoxton	Platform 1	5	102
	Platform 2	5	102
Hove	Platform 1	12	241.1
	Platform 2	12	241.1
	Platform 3	12	241.1
Hurst Green	Platform 1	12	246.9
	Platform 2	12	246.9
Ifield	Platform 1	5	116.6
	Platform 2	5	116.9
Imperial Wharf	Platform 1	8	170.7
	Platform 2	8	177.4
Kenley	Platform 1	6	124.5
	Platform 2	6	121.5
Kensington Olympia	Platform 2	12	323.5
	Platform 3	9	190.0
Kingswood	Platform 1	6	122.5
	Platform 2	6	122.3

Station	Platform	Length (cars)	Length (metres)
Lancing	Platform 1	5	112.0
	Platform 2	5	98.7
Leigh	Platform 1	6	122.5
	Platform 2	6	122.5
Lewes	Platform 1	12	244.6
	Platform 2	12	251
	Platform 3	7	141.3
	Platform 4	7	157.7
	Platform 5	7	140.3
Lingfield	Platform 1	8	177.0
	Platform 2	8	169.0
Littlehampton	Platform 1	12	254.8
	Platform 2	12	254.8
	Platform 3	8	164.6
	Platform 4	6	164.6
Littlehaven	Platform 1	8	165.0
	Platform 2	12	243.0
London Bridge	Platform 10	12	252.0
	Platform 11	12	257.0
	Platform 12	12	252.0
	Platform 13	12	252.0
	Platform 14	12	252.0
	Platform 15	10	239.0
London Road Brighton	Platform 1	7	138.2
	Platform 2	7	143.7
Merstham	Platform 1	12	246.9
	Platform 2	12	246.9
Mitcham Eastfields	Platform 1	10	200.0
	Platform 2	10	201.0
Mitcham Junction	Platform 1	8	176.2
	Platform 2	8	176.8
Morden South	Platform 1	8	158.5
	Platform 2	8	158.5
Moulsecoomb	Platform 1	4	85.0
	Platform 2	4	86.0
New Cross	Platform D (ELL)	5	101
New Cross Gate	Platform 1	5	108
New Cross Gate	Platform 2	10	205.0
	Platform 3	9	180.6
	Platform 4	8	163.3
	Platform 5	10	203.0
Newhaven Harbour	Platform 1	6	126.5
	Platform 2	8	172.5
Newhaven Marine	Platform 1	12	245.0
Newhaven Town	Platform 1	5	103.9
	Platform 2	5	103.9
Norbury	Platform 1	10	201.0
	Platform 2	10	201.0
	Platform 3	8	201.2
	Platform 4	8	183.5
Normans Bay	Platform 1	4	80.2
	Platform 2	4	80.2

Station	Platform	Length (cars)	Length (metres)
North Dulwich	Platform 1	8	162.2
	Platform 2	8	168.9
Norwood Junction	Platform 1	10	204.0
	Platform 2	9	184.4
	Platform 3	9	184.4
	Platform 4	10	203.0
	Platform 5	10	203.0
	Platform 6	8	192.0
Nutbourne	Platform 1	6	123.0
	Platform 2	6	123.5
Nutfield	Platform 1	6	122.65
	Platform 2	6	135.00
Ockley & Capel	Platform 1	7	153.3
	Platform 2	7	153.3
Oxted	Platform 1	12	245.0
	Platform 2	12	245.0
	Platform 3	4	80.8
Peckham Rye	Platform 1	8	161.5
	Platform 2	8	161.5
Penge West	Platform 1	8	163.7
	Platform 2	8	165.5
Penshurst	Platform 1	4	92.0
	Platform 2	4	92.0
Pevensey & Westham	Platform 1	5	120.4
	Platform 2	6	128.8
Pevensey Bay	Platform 1	4	78.6
	Platform 2	4	78.6
Plumpton	Platform 1	8	167.3
	Platform 2	8	166.8
Polegate	Platform 1	12	276.0
	Platform 2	12	276.0
Portslade	Platform 1	12	249.6
	Platform 2	7	152.3
Preston Park	Platform 1	12	246.9
	Platform 2	12	246.9
	Platform 3	12	246.9
Pulborough	Platform 1	9	181.1
	Platform 2	9	181.1
Purley	Platform 1	12	248.1
	Platform 2	12	247.8
	Platform 3	12	247.8
	Platform 4	12	246.9
	Platform 5	10	224.9
	Platform 6	10	205.7
Purley Oaks	Platform 1	8	168.2
	Platform 2	8	168.2
	Platform 3	8	168.2
	Platform 4	8	168.2
Queens Road Peckham	Platform 1	8	167.9
	Platform 2	8	167.9

Station	Platform	Length (cars)	Length (metres)
Redhill	Platform 0	12	282
	Platform 1A	8	174.8
	Platform 2	12	246.9
	Platform 3	12	246.9
Reedham	Platform 1	8	165.0
	Platform 2	8	165.0
Reigate	Platform 1	8	171.6
	Platform 2	4	85.0
Riddlesdown	Platform 1	8	182.5
	Platform 2	8	182.5
Rotherhithe	Platform 1	4	73
	Platform 2	4	73
Salfords	Platform 1	8	158.5
	Platform 2	8	158.5
Sanderstead	Platform 1	12	245.0
	Platform 2	12	245.0
Seaford	Platform 1	12	253.0
	Platform 2	8	183.5
Selhurst	Platform 1	10	203.0
	Platform 2	10	203.0
	Platform 3	8	170.0
	Platform 4	8	163.2
Shadwell	Platform 1	5	96
	Platform 2	5	95
Shepherds Bush	Platform 1	8	166.3
	Platform 2	10 in Down direction	
		7 in Up direction	208.9
Shoreditch High Street	Platform 1	5	107
	Platform 2	5	107
Shoreham-by-Sea	Platform 1	12	249.9
	Platform 2	12	249.9
South Bermondsey	Platform 1	8	159.4
	Platform 2	8	159.4
South Croydon	Platform 1	8	156.7
	Platform 2	8	170.1
	Platform 3	8	170.1
	Platform 4	8	165.5
	Platform 5	8	165.5
South Merton	Platform 1	8	158.5
	Platform 2	8	164.0
Southbourne	Platform 1	6	123.7
	Platform 2	5	106.5
Southease	Platform 1	6	123.4
	Platform 2	6	123.4
Southwick	Platform 1	8	167.3
	Platform 2	8	167.3
St Helier	Platform 1	8	158.5
	Platform 2	8	158.5
St Pancras International	Platform A	12	251
	Platform B	12	251
Streatham	Platform 1	9	187.4
	Platform 2	9	189.6

Station	Platform	Length (cars)	Length (metres)
Streatham Common	Platform 1	10	213.5
	Platform 2	10	213.0
	Platform 3	8	165.8
	Platform 4	8	163.1
Streatham Hill	Platform 1	9	183.5
	Platform 2	10	201.0
Surrey Quays	Platform 1	5	104
	Platform 2	5	99
Sutton	Platform 1	12	249.9
	Platform 2	12	251.2
	Platform 3	10	203.0
	Platform 4	10	203.0
Sutton Common	Platform 1	8	160.6
	Platform 2	8	160.6
Sydenham	Platform 1	8	162.0
	Platform 2	10	201.0
Tadworth	Platform 1	6	137.4
	Platform 2	6	137.4
Tattenham Corner	Platform 1	9	197.9
	Platform 2	9	198.0
	Platform 3	9	191.5
Thornton Heath	Platform 1	10	201.0
	Platform 2	10	201.0
	Platform 3	8	202.4
	Platform 4	8	184.1
Three Bridges	Platform 1	12	246.9
	Platform 2	12	246.9
	Platform 3	12	246.9
	Platform 4	12	246.9
	Platform 5	12	246.9
Tooting	Platform 1	8	167.2
	Platform 2	8	160.0
Tulse Hill	Platform 1	8	163.7
	Platform 2	8	164.6
	Platform 3	8	164.6
	Platform 4	8	161.5
Uckfield	Platform 1	10	251.0
Upper Warlingham	Platform 1	12	242.0
	Platform 2	12	242.0
Victoria	Platform 9	12	269.0
	Platform 10	12	248.0
	Platform 11	12	248.0
	Platform 12	12	248.0
Victoria Continued	Platform 13	12	246.0
	Platform 14	12	247.0
	Platform 15	12	259.0
	Platform 16	12	251.0
	Platform 17	12	247.0
	Platform 18 to Signal VC 497	12	254.0
	Platform 18 to Signal VC 499	12	318.0
	Platform 19 to Signal VC 495	12	253.0
	Platform 19 to Signal VC 493	12	318.0

Station	Platform	Length (cars)	Length (metres)
Waddon	Platform 1	10	201.0
	Platform 2	10	201.0
Wallington	Platform 1	10	201.0
	Platform 2	10	201.0
Wandsworth Common	Platform 1	10	201.0
	Platform 2	10	201.0
	Platform 3	8	181.7
	Platform 4	8	155.4
Wapping	Platform 1	4	87
	Platform 2	4	80
Warblington	Platform 1	6	122.53
	Platform 2	6	122.53
Warnham	Platform 1	6	124.8
	Platform 2	6	124.8
West Croydon	Platform 1	8	194.5
	Platform 3	8	190.5
	Platform 4	8	215.5
West Brompton	Platform 3	8	165.5
	Platform 4	8	158.5
West Norwood	Platform 1	7	149.9
	Platform 2	8	163.7
West Sutton	Platform 1	8	158.5
	Platform 2	8	158.5
West Worthing	Platform 1	8	158.2
	Platform 2	8	158.2
Whyteleafe	Platform 1	7	141.6
	Platform 2	7	143.0
Whitechapel	Platform 5	4	78.5
	Platform 6	4	84
Whyteleafe South	Platform 1	6	120.5
	Platform 2	5	105.2
Wimbledon	Platform 9	8	160.3
	Platform 10	4	85.0
Wimbledon Chase	Platform 1	8	159.4
	Platform 2	8	159.4
Wivelsfield	Platform 1	12	246.9
	Platform 2	12	246.9
Woldingham	Platform 1	8	182.0
	Platform 2	8	182.0
Woodmansterne	Platform 1	6	123.7
	Platform 2	6	123.7
Woolwich Arsenal	Platform 1	12	251.3
	Platform 2	12	247.9
Worthing	Platform 1	12	249.0
	Platform 2	12	249.0
	Platform 3	12	248.7

South East (Kent, Sussex, Wessex) Territory GI - Dated: 24/07/23

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Platform lengths - Wessex Route

Notes

The platform lengths shown are measured top of ramp to top of ramp and an allowance for signals, stop boards, buffer stops & stopping tolerance must be deducted from these figures to arrive at effective lengths.

All length (cars) refers to Mark 1 stock unless otherwise stated. (N) denotes classes 365/465/466

PLATFORM CAPACITIES - WESSEX ROUTE

Station	Platform	Length (cars)	Length (metres)
Addlestone	Platform 1 Platform 2	8 8	176.48 218.0
Aldershot	Platform 1 Platform 2 Platform 3	11/12 12 12	236.83 252.37 252.37
Alton	Platform 1 Platform 2	8 8	170.5 173.5
Andover	Platform 1 Platform 2	9x159 9x159	219.46 223.11
Ascot	Platform 1 (Up / Down) Platform 2 Platform 3	10 10 10	263 231 222
Ash	Platform 1(Up) Platform 2	8 4	173.00 79.55
Ash Vale	Platform 1 Platform 2	8 8	169.5 176
Ashford (Surrey)	Platform 1 Platform 2	10 10	206.31 207.55
Ashtead	Platform 1 Platform 2	10 10	209.0 206.0
Ashurst New Forest	Platform 1 Platform 2	8 8	155.45 156.36
Axminster	Platform 1 Platform 2	6 6	148.80 142.30
Bagshot	Platform 1 Platform 2	4 4	92.35 92.35
Barnes	Platform 1 Platform 2 Platform 3 Platform 4	8 8 8 8	163.68 163.68 163.68 177.7
Barnes Bridge	Platform 1 Platform 2	10 10	209 204
Basingstoke	Platform 1 Platform 2 Platform 3 Platform 4 Platform 5	14 12 12 12 6	296.27 245.97 263.8 264.4 117.00
Beaulieu Road	Platform 1 Platform 2	5 5	101.50 101.50
Bedhampton	Platform 1 Platform 2	6 6	148.00 124.36

Bentley	Platform 1 (Reversible) Platform 2 (Down Loop)	4 6	107.90 123.44
Berrylands	Platform 1 Platform 2	10 10	209 208
Bitterne	Platform 1 Platform 2	6 6	148.13 148.13
Blackwater	Platform 1 Platform 2	4 4	84.12 84.12
Bookham	Platform 1 Platform 2	10 10	200.6 201.5
Botley	Platform 1 Platform 2	6 6	132.59 132.59
Bournemouth	Platform 1 Platform 2 Platform 3 Platform 4 (Down Extension)	4 12 13 11	84.00 247.91 270.66 238.66
Bracknell	Platform 1 Platform 2	10 10	281 212
Bramley	Platform 1 Platform 2	3 cl 165 turbo 3 cl 165 turbo	76.81 76.81
Branksome	Platform 1 Platform 2	5 5	114.30 114.30
Brentford	Platform 1 Platform 2	10 10	206 204
Brockenhurst	Platform 1 Platform 2 Platform 3 Platform 4	12 12 13 13	269.1 267.0 243.23 226.77
Brookwood	Platform 1 Platform 2	12 12	248.72 248.72
Bursledon	Platform 1 Platform 2	8 8	167.34 167.34
Byfleet & New Haw	Platform 1 Platform 2	12 12	247.80 247.80
Camberley	Platform 1 Platform 2	6 6	176.1 136.8
Chandlers Ford	Single	4(170) 4 (158) 5xMk1	100.6
Chertsey	Platform 1 Platform 2	10 10	247.4 212.9
Chessington North	Platform 1 Platform 2	10 10	208 205
Chessington South	Single	10	204
Chetnole	Single	2	45.72
Chilworth	Platform 1 Platform 2	4 4	85.95 85.95
Chiswick	Platform 1 Platform 2	10 10	204.4 204.9
Christchurch	Platform 1 Platform 2	9 9	185.62 185.62

Clandon	Platform 1 Platform 2	10 10	205 205
Clapham Junction	Platform 1 Platform 2 Platform 3 Platform 4 Platform 5 Platform 6 Platform 7 Platform 8 Platform 9 Platform 10 Platform 11	4 4 10 10 10 10 10 9 11 10 10	92.0 102.0 214.00 215.00 213.00 214.40 211.00 183.00 220.00 210.00 204.00
Claygate	Platform 1 Platform 2	10 10	204 208
Cobham	Platform 1 Platform 2	10 10	202 206
Cosham	Platform 1 Platform 2	8 8	185.00 169.80
Cranbrook	Single	6	152
Crewkerne	Single	6x159	120.70
Crowthorne	Platform 1 Platform 2	4 4	92.35 92.35
Datchet	Platform 1 Platform 2	8 8	168.25 168.25
Dean	Platform 1 Platform 2	7 5	150.70 152.90
Dorchester South	Platform 1 Platform 2	5 (442) or 8 x Mk 1 5 (442) or 5 x Mk 1	191.11 120.70
Dorchester West	Platform 1 Platform 2	8 8	170.99 170.99
Dunbridge	Platform 1 Platform 2	2 3	74.07 95.10
Durnsford Rd Staff Halt	Platform 1 (Up Fast)	½	27.43
Earley	Platform 1 Platform 2	8 8	170.3 170
Earlsfield	Platform 1 Platform 2 Platform 3	10 10 10	205 205 206
Eastleigh	Platform 1 Platform 2 Platform 3 Down Platform 3 Up	12 12 12 9	253.29 253.29 253.29 190.00
Effingham Jct.	Platform 1 Platform 2	10 10	206 208
Egham	Platform 1 Platform 2	10 10	209.2 258.1
Epsom	Platform 1 Platform 2	10 10	208 206

	Platform 3 Platform 4	10 10	206 208
Esher	Platform 1 Platform 2	12 12	247.80 246.89
Ewell West	Platform 1 Platform 2	10 10	205 205
Fareham	Platform 1 Platform 2 Platform 3	9 8 8	189.28 186.30 169.17
Farnborough	Platform 1 Platform 2	12 12	245.06 245.06
Farnborough North	Platform 1 Platform 2	4 4	90.53 90.53
Farncombe	Platform 1 Platform 2	12 8	254.00 203.79
Farnham	Platform 1 Platform 2	7 12	248.6 249.63
Feltham	Platform 1 Platform 2	10 10	229.8 208.8
Feniton	Single	3x159	110.0
Fleet	Platform 1 Platform 2	12 12	252.37 252.37
Fratton	Platform 1 Platform 2 Platform 3	9 9 8	197.50 190.10 204.00
Frimley	Platform 1 Platform 2	5 5	91.00 91.00
Fulwell	Platform 1 Platform 2	10 10	209 212
Gillingham (Dorset)	Platform 1 Platform 2	6x159 6x159	149.96 149.96
Godalming	Platform 1 Platform 2	12 12	249.63 249.63
Gomshall	Platform 1 Platform 2	3 3	91.44 91.44
Grateley	Platform 1 Platform 2	9x159 9x159	222.20 222.20
Guildford	Platform 1 Platform 2 Platform 3 Platform 4 Platform 5 Platform 6 Platform 7 Platform 8	10 12 Down 8 Up 12 12 12 12 12 10	211 256.03 256.03 256.03 255.12 255.12 264.34 263.12 208.48
Hamble	Platform 1 Platform 2	4 4	92.35 92.35
Hampton	Platform 1 Platform 2	10 10	204 205
Hampton Court	Platform 1	10	208

	Platform 2	10	208
Hampton Wick	Platform 1 Platform 2	10 10	208 212
Hamworthy	Platform 1 Platform 2	6 6	124.36 124.36
Haslemere	Platform 1 Platform 2 Platform 3	12 12 12	249.63 249.63 249.63
Havant	Platform 1 Platform 2	12 12	251.46 251.46
Hedge End	Platform 1 Platform 2	8 8	166.42 166.42
Hersham	Platform 1 Platform 2	12 12	246.89 245.97
Hilsea	Platform 1 Platform 2	8 8	163.68 163.68
Hinchley Wood	Platform 1 Platform 2	10 10	204 205
Hinton Admiral	Platform 1 Platform 2	6 6	138.07 138.07
Holton Heath	Platform 1 Platform 2	6 6	124.36 124.36
Honiton	Platform 1 Platform 2	6x159 6x159	185.62 185.62
Hook	Platform 1 Platform 2	10 10	198.42 198.42
Horsley	Platform 1 Platform 2	10 10	205 206
Hounslow	Platform 1 Platform 2	8 8	166.8 196.5
Isleworth	Platform 1 Platform 2	8 8	165.51 165.51
Kempton Park	Platform 1 Platform 2	10 10	205 205
Kew Bridge	Platform 1 Platform 2	10 10	205 204
Kingston	Platform 1 Platform 2 Platform 3	8 10 10	163.80 208.48 209
Leatherhead	Platform 1 Platform 2	10 10	206.0 206.0
Liphook	Platform 1 Platform 2	8 8	168.1 168.1
Liss	Platform 1 Platform 2	8 8	169 161.85
London Road Guildford	Platform 1 Platform 2	10 10	206 205
Longcross	Platform 1 Platform 2	8 8	160.00 160.00
Lymington Pier	Single	8	163.68

Lymington Town	Single	4	78.64
Maiden Newton	Platform 1 Platform 2	5 5	114.30 114.30
Malden Manor	Platform 1 Platform 2	10 10	208 205
Martins Heron	Platform 1 Platform 2	10 10	209.0 212.0
Micheldever	Platform 1 Platform 2	6 6	141.8 125.27
Milford	Platform 1 Platform 2	8 7	170.1 164.59
Millbrook	Platform 1 Platform 2	8 8	182.80 182.80
Moreton	Platform 1 Platform 2	6 6	147.56 121.62
Mortimer	Platform 1 Platform 2	3 cl 165 turbo 3 cl 165 turbo	82.30 82.30
Mortlake	Platform 1 Platform 2	10 10	205.05 205.55
Motspur Park	Platform 1 Platform 2	10 10	204 202
Netley	Platform 1 Platform 2	8 8	170.08 170.08
New Malden	Platform 1 (Up Slow) Platform 2 (Down Slow) Platform 3 (by special arrangement) Platform 4 (by special arrangement)	10 10 11 11	208 206 228.60 228.60
New Milton	Platform 1 Platform 2	7 7	137.16 137.16
Norbiton	Platform 1 Platform 2	10 10	205 205
North Camp	Platform 1 Platform 2	7 7	153.62 153.62
North Sheen	Platform 1 Platform 2	8 8	160.93 160.93
Overton	Platform 1 Platform 2	9x159 9x159	223.11 223.11
Oxshott	Platform 1 Platform 2	10 10	202 204
Parkstone	Platform 1 Platform 2	6 6	130.76 130.76
Petersfield	Platform 1 Platform 2	12 12	252.9 247.80
Pinhoe	Platform 1 Platform 2	6x159 6x159	154.53 150.88
Pokesdown	Platform 1 Platform 2	8 11	231.34 231.34
Poole	Platform 1 Platform 2	12 12	252.9 247.80
Portchester	Platform 1	5	123.97

	Platform 2	5	125.25
Portsmouth & Southsea	Platform 1	12	247.80
	Platform 2	12	247.80
	Platform 3	10	205.80
	Platform 4	12	254.40
Portsmouth Harbour	Platform 1	8	163.00
	Platform 3	12	244.00
	Platform 4	12	244.00
	Platform 5	12	244.00
Putney	Platform 1	8	186.54
	Platform 2	8	186.54
	Platform 3	8	186.54
	Platform 4	8	186.54
Queenstown Road	Platform 1	8	162.76
	Platform 2	8	162.76
	Platform 3	8	162.76
Raynes Park	Platform 1	10	223
	Platform 2	10	224
	Platform 3	10	208
	Platform 4	10	209
Reading	Platform 4	12	268
	Platform 5	12	268
	Platform 6	12	268
Reading Green Park	Platform 1	6	150
	Platform 2	5	150
Redbridge	Platform 1	7	148.13
	Platform 2	7	148.13
Richmond	Platform 1	8	205
	Platform 2	8	205
Romsey	Platform 1	7	157.28
	Platform 2	6	154.53
Rowlands Castle	Platform 1	6	133.50
	Platform 2	6	133.50
Salisbury	Platform 2	12 SCL	228.60
	Platform 3	12 SCL	228.60
	Platform 4	14 SCL	289.86
	Platform 5 (special instruction)	7 SCL	143.56
	Platform 6	7 SCL	162.76
	Platform 1 (special instruction)	12 SCL	228.60
Sandhurst	Platform 1	4x769	84
	Platform 2	4x769	84
Shalford	Platform 1	6	104.24
	Platform 2	6	97.84
Shawford	Platform 1	5	105.16
	Platform 2	5	105.16
	Platform 3	4	105.16
Shepperton	Single	10	210.3
Sherborne	Platform 1	6x159	143.56
	Platform 2	6x159	159.10
Sholing	Platform 1	8	160.93
	Platform 2	8	160.93

Southampton Airport Parkway	Platform 1 Platform 2	12 12	248.72 248.72
Southampton Central	Platform 1 Platform 2 Platform 3 Platform 4 Platform 5 (special instruction)	13 13 13 13 6	277.06 277.06 277.06 277.06 136.25
St Denys	Platform 1 Platform 2 Platform 3 Platform 4	7 6 7 7	139.90 139.90 140.82 140.82
St Margarets	Platform 1 Platform 2 Platform 3	8 8 8	221 236 210
Staines	Platform 1 Platform 2	10 10	205.35 205.22
Stoneleigh	Platform 1 Platform 2	10 10	208 207
Strawberry Hill	Platform 1 Platform 2	10 10	232 222
Sunbury	Platform 1 Platform 2	10 10	205 205
Sunningdale	Platform 1 Platform 2	10 10	243.1 210.1
Sunnymeads	Platform 1 Platform 2	8 8	158.19 158.19
Surbiton	Platform 1 Platform 2 Platform 3 Platform 4	12 12 12 12	243.23 243.23 243.23 243.23
Swanwick	Platform 1 Platform 2	7 7	159.11 159.11
Sway	Platform 1 Platform 2	7 7	137.16 137.16
Swaythling	Platform 1 Platform 2	4 4	92.35 92.35
Syon Lane	Platform 1 Platform 2	8 8	182.5 209.40
Teddington	Platform 1 Platform 2	10 10	207 205
Templecombe	Single	6x159	145.00
Thames Ditton	Platform 1 Platform 2	10 10	205 213
Thornford	Single	2	45.72
Tisbury	Single	3x159 or4x170	90.53
Tolworth	Platform 1 Platform 2	10 10	205 209
Totton	Platform 1 Platform 2	7 7	128.93 128.93
Twickenham	Platform 2 Up Bay Platform 3	7 8	169.50 208

	Platform 4	8	207
	Platform 5	8	206
Upper Halliford	Platform 1	10	205
	Platform 2	10	205
Upwey	Platform 1	6	127.10
	Platform 2	6	127.10
Vauxhall	Platform 1	10	209.40
	Platform 2	10	209.40
	Platform 3	10	205.04
	Platform 4	10	207.25
	Platform 5	8	191.11
	Platform 6	8	191.11
	Platform 7	10	209
	Platform 8	10	210
Virginia Water	Platform 1	10	223
	Platform 2	10	238
	Platform 3	7	164.00
	Platform 4	10	205
Walton on Thames	Platform 1	12	245.97
	Platform 2	12	245.97
Wanborough	Platform 1	4	90.53
	Platform 2	4	90.53
Wandsworth Town	Platform 1	8	175.1
	Platform 2	8	170.99
	Platform 3	8	170.99
	Platform 4	8	186.54
Wareham	Platform 1	8	174.65
	Platform 2	8	174.65
West Byfleet	Platform 1	12	245.06
	Platform 2	12	245.06
Weybridge	Platform 1	10	212
	Platform 2	12	233.17
	Platform 3	12	250.55
Weymouth	Platform 1	5	120.70
	Platform 2	12	272.49
	Platform 3	12	272.49
Whimple	Single	3x159	78.64
Whitchurch	Platform 1	9x159	219.46
	Platform 2	9x159	219.46
Whitton	Platform 1	10	209
	Platform 2	10	212
Wimbledon	Platform 5	10	230.00
	Platform 6	10	230.00
	Platform 7	10	230.00
	Platform 8	10	225.00
Winchester	Platform 1	12	247.80
	Platform 2	12	247.80
Winchfield	Platform 1	7	161.85
	Platform 2	10	198.42
Windsor & Eton Riverside	Platform 1	10	221.34
	Platform 2	10	221.05
Winnersh	Platform 1	8	168.6

	Platform 2	8	169.1
Winnersh Triangle	Platform 1 Platform 2	8 8	167.34 167.34
Witley	Platform 1 Platform 2	8 8	165.51 165.51
Woking	Platform 1 Platform 2 Down Platform 2 Up Platform 3 Platform 4 Down Platform 4 Up Platform 5 Down Platform 5 Up Platform 6	12 12 12 12 12 12 14 12 6	253.10 254.00 251.00 255.00 252.00 256.00 289.00 275.00 127.50
Wokingham	Platform 1 Platform 2	10 10	268.7 299.00
Wool	Platform 1 Platform 2	6 6	139.90 139.90
Woolston	Platform 1 Platform 2	7 7	150.88 150.88
Worcester Park	Platform 1 Platform 2	10 10	209 205
Worplesdon	Platform 1 Platform 2	12 12	246.89 246.89
Wraysbury	Platform 1 Platform 2	8 8	177.39 165.51
Yeovil Junction	Platform 1 Platform 2	6x159 (9 SCL) 6x159 (9 SCL)	185.62 185.62
Yeovil Pen Mill	Platform 1 Platform 2	9 8	166.42 166.42
Yetminster	Single	4	93.27

South East (Kent, Sussex, Wessex) Territory GI - Dated: 27/05/2023

Protecting a stabled train on a platform line

Kent & Sussex

A platform line on which a train is stabled may be blocked under the arrangements shown in rule book handbook 8 but only if protection is provided to stop a train making an unauthorised movement.

When a platform line is to be blocked and a train is stabled on that line, the IWA, COSS or PC must place the following train protection equipment on the train before allowing the work to start:

1) During daylight: a “NOT TO BE MOVED” board, or a red flag.
2) During darkness, fog or falling snow: a red light (steady or flashing).

The IWA, COSS or PC must make sure the protection is displayed on the platform side of the train:

1) at the end from which the train is to be driven, or
2) at both ends of the train if it can be driven from either end.

The arrangements shall apply at the following locations

1) On platform lines at terminal stations
2) On dead end bay lines at through stations
3) On the running lines shown in “Berthing of trains - Sussex Route” in the electronic and hard copies of the Sectional Appendix.

Kent / Sussex Route GI - Dated: 07/12/10

Overlay Miniature Stop Light (OMSL) level crossings.

Certain level crossings are provided with overlay miniature stop light equipment. Like conventional Miniature Stop Light (MSL) crossings, these provide indications to the users of the crossings on whether it is safe to cross (green) or not safe to cross (red). The system is designed to overlay existing infrastructure without interacting with it (Note: I-OMSL type crossing will interact), however permissible speeds in the wrong direction on the approach should be identified on multiple track lines by wrong direction speed boards. The system is usually activated by wheel sensors that operate in a similar way to axle counters – when they detect a train they set the lights to red, when the train hits the strike out sensor the lights go to green.

Where a system failure is detected or operational scenario (e.g. train failure, engineering works) may incur the red indication for excessive periods, user indications are suppressed and the lights go into ‘dark mode’. On encountering this mode the user is directed on safe operation by the signage provided, however they can be reactivated by another train passing or through a manual reset.

All staff should note that, like axle counters, using metal tools or simply passing within a metre wearing safety boots can cause activation of these sensors, and should be avoided.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 11/05/24

RAILWAY CRIME

All railway staff must be vigilant to railway crime and cable theft, and report any suspicious activity on the operational railway, or in the area of electrical substations, to the controlling signaller.

Some examples of suspicious activity could be:

- Anyone not wearing appropriate PPE, or that do not appear to have a safe system of work.
- Anyone not responding to a train drivers warning, or appearing to hide as trains or people approach.
- Vehicles that do not have any company markings or logos
- Signalling location cabinets with doors open or missing, or troughing lids newly disturbed, with no staff nearby.
- People ‘loitering’ in the area of electrical substations.

In such cases, please inform the controlling signaller as quickly as possible giving precise location details. Drivers do not need to stop their trains immediately to report this, unless they consider it a safety of the line issue.

National GI - Dated: 30/08/14

Route availability of Class 465 Networker 12 car operation

a) Train formations:

Class 465 12-car Networker trains **MUST ONLY** be formed of 3 x 4 car units coupled together, and **MUST NOT** include any **Class 466** units.

b) The following routes are permitted for Class 465 Networker 12-car operations:

Charing Cross/Cannon Street and Sevenoaks, Dartford, Gravesend and Hayes

c) The following routes are not permitted for Class 465 Networker 12-car operations:

- All routes out of Victoria or Blackfriars
- Any station via Herne Hill or Catford
- Bromley North Branch
- New Beckenham spur to either Petts Wood Junction or Sevenoaks via Bromley South
- Woolwich Dockyard station platforms are not long enough to accommodate a 12-car formation and therefore no 12-car Networker formations are permitted to call at this station in either direction
- Platforms 1&2 Up and Down Fast at Grove Park, not permitted for 12 cars to call at this station due to no 12 car DOO equipment.

d) The following sidings are not permitted for Class 465 Networker 12-car operations:

- Dartford Up and Down sidings (Note: With the exception of Number 1 road at Dartford Up sidings which can accommodate a 12-car train)
- Slade Green Up sidings
- Plumstead sidings (Note: Number 1 road at Plumstead can accommodate a 12-car train but a shunter is required)
- Shunting of 12-car trains BETWEEN the up and down sidings at Grove Park is not permitted due to signal sighting issues with L1299 signal (Country end of platform 3 at Hither Green station).

e) The following instructions apply to Class 465 Networker 12-car operations at Charing Cross Station:

- **Platforms 1, 2 or 3** shall be used for the operation of Class 465 Networker 12-car formations.

- **Platforms 4, 5 or 6** are not long enough for a Class 465 Networker 12-car formation to be accommodated. Therefore no Class 465 Networker 12-car formation in passenger service should be routed into platforms 4, 5, and 6 under normal timetable and train regulation conditions.
- All Class 465 Networker 12-car formations will normally be routed on the Up & Down Charing Cross Slow Lines from Ewer Street Junction. Drivers are required to contact the signaller if a route leading to Platforms 4, 5 or 6 is set for a Class 465 Networker 12-car formation;
- If during planned degraded and emergency working, a Class 465 Networker 12-car formation needs to be routed into these platforms, then the train must have the last 2 coaches locked out of passenger service at Waterloo East.
- If a Class 465 Networker 12-car train is inadvertently routed in Platforms 4, 5 or 6 at Charing Cross, due to infrastructure or train failure or due to the error of signaller or/and the driver, the driver must, on the train coming to a stand, **not release the doors** and carry out the following actions:
    a. An announcement must be made to all passengers that the train is not fully berthed in the platform and that there will be a delay in opening the doors.
    b. The driver, assisted if necessary by platform staff, must walk along the train and then open each coach individually by the external local door release.
    c. The passengers in the last two coaches must be verbally advised to walk through the train so they can safely alight from a coach berthed in the platform.

Kent / Sussex Route GI - Dated: 25/09/22

Sandite application and rail conditioning trains

1. Types of rail conditioning trains
    1.1 The Railhead Treatment Train (RHTT) consists of converted and specially-adapted wagons hauled by a locomotive at each end
    1.2 The Multi-Purpose Vehicle (MPV) consists of a specially-built unit with driving cabs at each end.
    1.3 Where a DMU is used this consists of a specially modified class 117 or 121.
    1.4 All types of train carry out conditioning of the railhead during autumn by a combination of water jetting and the application of sandite traction gel.
2. Speed
    2.1 The maximum speed of trains when water jetting and applying sandite is 60mph, except for the West Coast South route where the permitted speed is 60mph when water jetting only.
3. Notices
    3.1 Notices will be produced detailing the locations where sanditing and water jetting will take place.
    3.2 Operations Control must advise signallers of any deviation from the railhead treatment plan which may be agreed to cater for exceptional circumstances or to treat a problem location not normally treated.
    3.3 Signallers must pass details of changes to the booked plan to the train if instructed to do so by Operations Control.
4. Signalling arrangements
    4.1 Rail conditioning trains will be described, where possible, by train description code 3Jxx when operating water jetting-only diagrams.
    4.2 Rail conditioning trains will be described, where possible, by train description code 3Sxx when operating diagrams that apply sandite.
    4.3 Where train describers are not in use the rail conditioning train will be described by special bell signal or special Is Line Clear signal 3-4-2.
    4.4 All types of rail conditioning trains may be relied upon to operate track circuits whether applying sandite or not. When applying sandite, signallers must specially observe the passage of the train and the next train to follow over track circuits, where provided.
    4.5 Signallers must deal with any failure by the train to operate a track circuit correctly by immediately applying Rule Book Module TS11 regulation 14 and advising Operations Control of the failure. Rule Book Module TS1, Regulation 12 must be applied to all subsequent trains over the affected portion of line until at least 2 trains have operated the track circuit normally.

National GI - Dated: 10/12/16

Scharfenberg match wagons

These match wagons will allow a locomotive to be coupled to a Class 373 unit. Each match wagon is a converted bogie parcels van with the bodyshell removed and the underframe decked over with steel plates to hold concrete ballast. Both ends of the vehicle are equipped with:- buffing gear, a draw hook (the screw coupling has been removed), a Scharfenberg coupler, and hoses for the air brake and main reservoir systems. There are three lamp brackets on each buffer beam.

The match wagons are located at:-

North Pole International Depot

Dollands Moor Freight Operations Centre

A single match wagon is authorised to be propelled on Network Rail lines subject to the following conditions:-

a) An illuminated portable electric headlight must be conveyed on the leading buffer beam;

b) Not to exceed 75 mph;

c) On the Wessex Route, a single match wagon is authorised to be propelled on lines where Class 373 units are permitted (with or without restrictions), also between Clapham Jct. and Longhedge Jn.

When moving a match wagon, the Scharfenberg couplers must always be in the raised position and only lowered when being used to attach a Class 373 unit, another match wagon or a scharfenberg fitted locomotive. The lowering/raising of a Scharfenberg coupler must only be carried out by staff trained in its operation.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Shunt Moves (Out of Course Movements)

When a train is required to make an out of course shunt the Signaller must inform the Driver of the circumstances.

Before any shunt move commences, the Signaller must advise the Driver of the moves required to enable the shunt movement(s) to take place.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 04/04/15

line, a white light must be used.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Signal passed at danger (SPAD) indicators

At certain locations an override plunger is fitted, and the Signaller will instruct the Driver, or Handsignaller, to activate the plunger, operative for one movement only, before giving authority for the movement to commence. At certain locations the override plunger is locked in a small cabinet which is locked with a BR1 key.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Signals with additional AWS magnet but no SPAD indicator

The signals shown below are fitted with additional AWS magnets which will give a warning to the Driver when the signal is passed at Danger. On receiving this warning, the Driver must immediately stop and contact the Signaller.

East Croydon	T108	London end of Platform 5
	T115	Country end of Platform 2
	T117	Country end of Platform 3
Orpington	AD61	Country end of Platform 4
	AD63	Country end of Platform 3
Wimbledon	W191	Country end of Platform 5

South East (Kent, Sussex, Wessex) Territory GI - Dated: 27/12/15

Table D - Single lines - Delivery and receipt of the token or staff by persons other than the signaller

Section of Line	Token or Staff Location	Person authorised to receive or deliver token or staff
Marchwood and Fawley	Fawley	Person in charge
BE471/BE466 Stop Boards and Ludgershall **(Note: Annett's Key Section)**	Andover	Shunter or Person in charge
Worgret Junction and Norden Gates	Wareham and Norden Gates	Swanage Railway Traincrew
Yeovil Pen Mill and Maiden Newton	Yeovil Pen Mill	Person in charge or Guard
Hoo Junction (NK509) and Grain	Grain Crossing	Grain Crossing Keeper

awSouth East (Kent, Sussex, Wessex) Territory GI - Dated: 11/12/2022

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Track circuit operating clips

Track circuit operating clips must, when necessary, be used on the fourth rail electrified lines between East Putney and Wimbledon.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

Trains struggling to make significant progress with risk of becoming stranded due to icing conditions

Following incidents during the winter period with trains becoming disabled owing to ice and snow on the conductor rail the following shall apply:

Driver actions

If the driver experiences their train struggling to make progress or severe arcing, they shall:

- Follow company-specific instructions for driving when power draw is affected by ice on the conductor rail
- If unable to make significant progress and still experiencing severe arcing STOP, make a GSM-R URGENT call and state to the signaller that "THIS IS AN ICE CALL" advising the signaller of your situation
- If not in a station, continue with the steps above until you reach a station or until you are clear of ice and are making significant progress (advise the signaller of this)
- Follow the signaller's instructions, keep the passengers informed and ask for assistance from any staff members that may be on board the train
- When in a station, release train doors If all train doors are adjacent to a platform
- If some train doors are not adjacent to a platform, advise passengers of the situation and tell them you will release doors manually before you do so
- If you have been unable to evacuate part of the train (e.g. where there is no through-connection to part of the train that is not within a platform), Advise remaining passengers of the situation and prepare to carry out an emergency evacuation once you have the required response staff available

Signaller actions

When a signaller receives an "ICE CALL" from a driver they shall:

- Establish the location of the train, its length, whether fully or partially in a station, agree with the driver whether further attempts to move the train will be made and then take the following actions in the specified order:
- Instigate a GSM-R general broadcast to advise other drivers in the area that there is a stranded train as per the agreed script and in accordance with GSM-R Handbook RS523, Section 8.2
- Call Control stating: "THIS IS AN ICE CALL", then give the following information: Train [Headcode], formed of [stock formation] is failing to make significant progress at [location]. The train is / is not / is partly in the platform at [location]
- Call adjacent signal boxes stating: "THIS IS AN ICE CALL", then give the following information: Train [Headcode], formed of [stock formation] is failing to make significant progress at [location]. The train is / is not / is partly in the platform at [location]. If you are the signaller receiving the above call from another signaller, immediately arrange for trains to be diverted away or held at stations, making a general broadcast to drivers if required
- All signallers involved must then assess their area of control to determine whether there are trains trapped outside stations and the options available for moving them into platforms, such as Emergency Permissive Working or wrong direction movements

Control actions

When a controller receives an "ICE CALL" from a signaller, they shall:

- Immediately task a MOM to attend site stating: “ICE CALL received from the signaller at [location]. Train [Headcode], formed of [stock formation] is failing to make significant progress at [location]. The train is / is not / is partly in the platform at [location]” and obtain an ETA to site. Then WITHOUT taking any further telephone calls, advise the Route Control Manager and train operator controller, repeating the message from the signaller exactly as it was received and which MOM is attending
- The controller will liaise with other signal boxes to ensure no more trains approach the affected area and are diverted away
- The Route Control Manager must immediately and WITHOUT taking any further telephone calls, advise the Incident Officer stating: “ICE CALL received from the signaller at [location]. Train [Headcode], formed of [stock formation] is failing to make significant progress at [location]. The train is / is not / is partly in the platform at [location]
- The control team must urgently consider communication to passengers, supplementing the information supplied by train crew

REMEMBER – KEEP PASSENGERS INFORMED THROUGHOUT

South East (Kent, Sussex, Wessex) Territory GI - Dated: 07/12/19

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Uncoupling of trains

At locations where trains are authorised to uncouple and it is found that the connections are on the “offside”, the provisions of the Rule Book, Module T10 / 6 – *DP arranging to block an adjacent running line* and Module TS1 / 13 – *Safety of personnel* must be applied subject to the following modifications:

The person carrying out the uncoupling activity (who does not need to be a SWL/COSS/IWA) must tell the Signaller what is happening and then arrange for the adjacent line to be blocked to allow the uncoupling activity to take place.

The signaller must provide protection as shown in Module TS1 / 13 – *Safety of personnel*.

South East (Kent, Sussex, Wessex) Territory GI – Dated: 06/12/14

Wagons fitted with buckeye couplings

Wagon types JHA, JNA, JTA, JUA, JYA and KEA are operated in sets. A train may consist of more than one set of wagons, the 'inner wagons are fitted with Buckeye type E/f couplings both ends and have no buffers. The 'outer' wagons are fitted with E/F coupling at one end and screw couplings at the other end

Any instanter-fitted wagons MUST be formed to the rear of these wagons and PGA 51t wagons to the rear of those on all loaded trains.

Disengagement of couplings

To part vehicles (e.g. due to hot axle box or other defect) the buckeye must be disengaged. This is achieved by the operation of the fixed handle attached to each coupling. The handle must be lifted firmly for a short movement outwards; no significant force is required. Only one handle on either side of the coupled vehicles needs to be lifted to achieve separation. The coupling will separate as vehicles are drawn apart.

Re-engagement of coupling

This should be performed on straight, level track. One or both knuckles should have been opened by means of lifting the disengagement handle. The vehicles are brought slowly together until the knuckles snap shut.

The coupling should be tested to ensure that it is secure by gently drawing ahead after re-engagement to ensure the vehicles remain coupled.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 02/12/06

WHEEL IMPACT LOAD DETECTOR ('WILD'

equipment) – Wessex Route

The equipment, installed in the track, is designed to minimise track and vehicle damage by detecting out-of-round wheels and exceedances in individual axle weights. In Wessex Route, equipment is located as follows:

Route	Location	Mileage	Lines fitted
SW105	Shawford	68m. 60ch	Down# and Up Main *#NOTE: Only the down direction is currently in operational use.*

If a train exerts an impact force on the track of 350 kilonewtons or more when passing a site, an alarm is sent to Wessex Integrated Control Centre (WICC) in Basingstoke, from where arrangements will be made with the appropriate Signaller and the TOC / FOC Control to deal with the train.

Depending on the severity of the impact, the Signaller will instruct the Driver not to exceed a specified maximum speed until the train / vehicle can be taken out of service. The 'alarm levels' used are as follows:

Level 1 alarms are warnings only and do not require trains to be stopped.

Level 2 Alarm –

- Passenger / Parcels / ECS max speed 50mph
- Locomotive / Class 4 max 40mph
- All other freight trains max speed 30mph

Level 3 Alarm – all trains max. speed 20 mph.

Level 4 Alarm – all trains max. speed 10 mph.

Control and the appropriate TOC / FOC Control will confer as necessary on the arrangements to apply in each case.

generally, this will follow the Contingency Plan for the operator concerned.

NOTE Additional Instructions from Control:

Down Trains

- Level 2 and 3 only - Freight Trains which are terminating in the Southampton area can continue at reduced speed to destination.
- Level 4 – Freight Trains for the Southampton area can continue at reduced speed to Eastleigh Yard* (ie Departure Road) or Eastleigh Down slow for examination.

* Permisson to enter Eastleigh Yard must be obtained from GBRF and the length of the train must be provided.

- Level 2 and 3 only – SWR Passenger / ECS Trains can continue at reduced speed to Eastleigh / St Denys for Northam Depot. Cross Country to run to Southampton Central.
- Level 4 – Passenger / ECS trains can continue at reduced speed to Eastleigh Down slow line for examination.

Up Trains

- Level 2 only – Passenger / ECS and Freight Trains can continue at reduced speed to destination and regulated accordingly to minimise overall delay.
- Level 3 only – Passenger / ECS and Freight Trains can continue at reduced speed to Basingstoke Up Main Slow line where trains can work around.
- Level 4 only – Passenger / ECS and Freight Trains can continue at reduced speed to Wallers Ash loop or Basingstoke Up Main slow for examination.

WX Route GI - Dated: 01/05/2023

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Explanation of Table A terms and symbols

Index & Key To Symbols

Unless indicated otherwise all information is shown with the Down direction being down the page and the Up direction being up the page.

Location Column

Station names are shown in CAPITALS.

Ground Frames are indicated by the letters GF, Emergency Ground Frames by the letters EGF, Ground Switch Panels by the letters GSP, and Shunt Frames by the letters SF. Where trains may be shut in, a letter "S" in a circle is shown.

Level crossings are indicated by the letters LC and one of the abbreviations below, following the name of the crossing:

- Crossings operated by a Signaller or Crossing Keeper

MCG	Manned Level Crossing (gates) operated locally by a signaller or crossing keeper
MCB	Manned Level Crossing (full barriers) operated locally by a signaller or crossing keeper
CCTV	Manual Level Crossing (full barriers) remotely supervised via closed circuit television
RC	Manual Level Crossing (full barriers) remotely controlled
OD	Manual Level Crossing (full barriers) normally automatically operated with obstacle detection

- Automatic Crossings

AHBC	Automatic Half-Barrier crossing – monitored by signaller
ABCL	Automatic Barrier Crossing - road warning lights and barriers monitored by train crew
R/G	Miniature Red/Green Warning Lights (including Miniature Stop Lights)
AOCL	Automatic Open Crossing - road warning lights monitored by train crew
AOCL+B	Automatic Open Crossing (half barriers) monitored by train crew. The rules applicable to ABCL level crossings apply to this type of crossing.

X shown after the above abbreviations for level crossing type (e.g. AHBC-X, AOCL-X) indicates that the crossing concerned works automatically for movements in the wrong direction.

- Other crossings

TMO	Train Crew Operated
OPEN	Open crossing without road warning lights
UWC	User Worked Crossing
UWB	Crossing with User Worked Barriers
[T]	Accommodation / occupation crossing equipped with telephone.
UI	Accommodation/occupation or footpath level crossing equipped with User Information equipment
BW	Bridleway Crossing

Token Exchange Points on "Radio Electronic Token Block" lines and "No Signaller Token with Remote Crossing Loops" lines are identified by the letters - TEP.

Overhead Line Neutral Sections are indicated by the letters OHNS.

Mileage Column

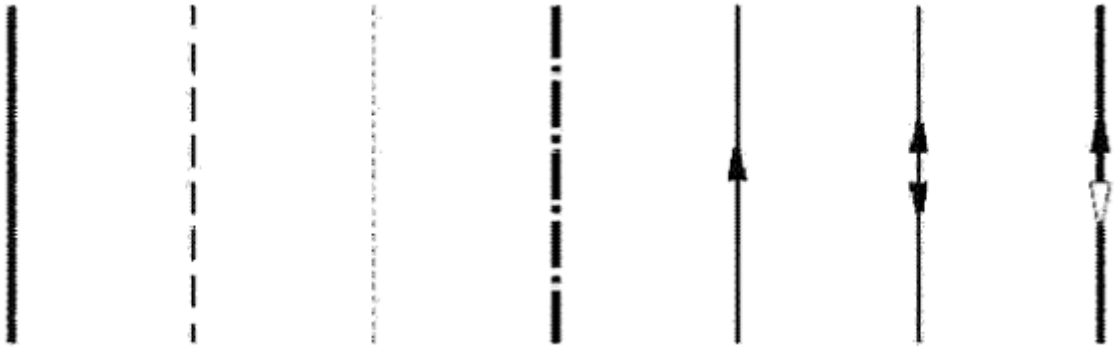
Mileage is shown in miles and chains. (1 mile = 1760 yards / 1.6 km, 1 chain = 22 yards / 20.11 metres)

Where the lineside mileage changes, the entry is shown:

$$\frac{47\ \ 02}{0\ \ 00}$$

Running lines & speed restrictions column

This contains a diagrammatic representation of all running lines and associated connection, but is not to scale. Lines are displayed as follows:



Passenger line	Goods line	Siding	Running line not controlled by Network Rail	Normal direction of travel	Bi-directional line (Double arrow indicates normal direction of travel)	Line equipped with reversible signalling with a white (un-shaded arrow) to indicate wrong direction of travel

The following abbreviations are used:-

U	Up
UM	Up Main
UF	Up Fast
US	Up Slow
UE	Up Electric
UR	Up Relief
UA	Up Avoiding
UG	Up Goods
USB	Up Suburban
UPL	Up Passenger Loop
UGL	Up Goods Loop
URS	Up Refuge Siding
CL	Crossing Loop in Single Line

D	Down
DM	Down Main
DF	Down Fast
DS	Down Slow
DE	Down Electric
DR	Down Relief
DA	Down Avoiding
DG	Down Goods
DSB	Down Suburban
DPL	Down Passenger Loop
DGL	Down Goods Loop
DRS	Down Refuge Siding
U&D	Up & Down

Where other abbreviations are in use, details are given in the “Signalling & Remarks” column.

Speed Restrictions

- The maximum permissible speed is shown in miles per hour on each running line.
- The location of a change in maximum permissible speed is indicated by a star.
- The mileage at which the speed change occurs is shown in the mileage column, along with a further star.

On bi-directional lines a star may indicate a change in speed in one direction only. This will be indicated by an arrow next to the star and the speed to which it applies (see diagrammatic explanation of symbols table).

Where a differential speed restriction applies, it is indicated as in the following example:

Standard differential speed restriction	Non-Standard differential speed restriction
20	20
40	SP 40

The abbreviation used in the Non-Standard differential speed restrictions is as defined in *Rule Book Module SP, Section 2.5 - Permissible speed indicators with letters*.

The above example of a non-standard differential speed restriction indicates that Sprinter trains are permitted to travel at 40mph and all other trains at 20mph.

On single and bi-directional lines where different speeds apply in each direction the speeds are shown together with an arrow head indicating the direction in which they apply. The arrow head for the Up direction is to the left of the running line, and that for the Down direction to the right.

On single and bi-directional lines where the same speed applies to movements in either direction, no arrows are shown

Unless indicated otherwise by speed signs, the maximum speed over connections to sidings and yards is 15 mph and the maximum speed in Depots and Carriage Sidings is 5 mph.

Where another line or lines lead off from the running line (a loop or additional running line), the speed for that new line will be indicated in the connection and will remain until a change in speed is indicated as normal.

In the Scotland route Sectional Appendix, in accordance with previous signing practices, some speeds may not be indicated on the lineside by a speed sign. Such speeds are therefore prefixed by a small, angled dash to denote that lineside signs **may not** be provided.

Signalling & Remarks column

The “Signalling & Remarks” column contains the following details at the top of each page, and again whenever any of the details therein change:

Mode of signalling	Controlling Signal Box, type and signal prefix (where relevant, the controlling panel or workstation name).	NRN radio channel number where appropriate	CSR number where appropriate

Where shown, route availability number for the line(s) concerned.	Type of electrification where appropriate and electrical control room responsible for the area.

GSM-R

There are two types of GSM-R radio system in use:

1. GSM-R train radio which provides drivers, guards and other on-train staff with a secure means of communication with the signaller, operations controller and ECO for use as the normal method of communication. Areas equipped with GSM-R train radio fixed infrastructure are indicated with the symbol shown below (specific details are shown at the top of each page adjacent to or immediately below the controlling signal box information).

2. GSM-R (IVRS) radio which provides users with a direct means of communication with the signaller for emergency use only. The areas covered by GSM-R (IVRS), together with the symbol below, are shown in the Signalling & Remarks column.

Mode of signalling

TCB	Track Circuit Block
AB	Absolute Block
AB (PF)	Permissive Block
RETB	Radio Electronic Token Block (including the channel number)
ET	Electric Token Block
TB	Tokenless Block
TB(SC)	Scottish Region Tokenless Block
NST	No Signaller Token
NSTR	No Signaller Token with Remote Crossing Loops
NB	No Block
OTS	One Train Working where a staff is provided
OTNS	One Train Working where a staff is not provided
TST	Train Staff and Ticket (detail in Local instructions where applicable)
C2	Western only (see Western General Instructions for details)
ERTMS L2	European Rail Traffic Management System (Level 2)

Electrification

AC	Electrified with Overhead Line Equipment at 25kV Alternating Current.
DC(3)	Electrified with Third Rail at 750 volts Direct Current.
DC(4)	Electrified with Fourth Rail at 750 volts Direct Current.

Note: When Cab Secure / NRN radio channel numbers change, an additional symbol with the new channel number will appear adjacent to the point where the channel changes. The information is read DOWN the page, therefore when a change occurs the new channel number will apply to the area below the additional symbol.

The “Signalling & Remarks” column contains additional information as follows:-

- Special Speed restrictions where denoted by ① (or other number in a circle) in the “Running lines & speed restrictions” column.
- Automatic Staff Warning Systems using the abbreviation FWS - Fixed Warning System (applies to lines as indicated in the “Signalling & Remarks” column).
- AWS - Automatic Warning System. Detail is given for those lines or locations where the system is not fitted.
- TPWS – Train Protection Warning System. Detail is given for those lines of route where the system is not fitted.
- TASS – Tilt Authorisation and Speed Supervision system.
- Loop and Refuge Siding Standage, given in metres / feet or yards / SLU’s (1 SLU = 21 feet) (these lengths do NOT take into account defensive driving policy / stand-back from signals).
- Locations of catch points.
- Other additional remarks e.g. telephones where provided for traffic purposes.
- Length of station platforms in metres and yards (these lengths do NOT take into account defensive driving policy / stand-back from signals). Where platform lengths are not given, please refer to the relevant table in the ‘General Instructions’ section of the Sectional Appendix.

- Local Instructions are referred to where appropriate.
- Locations of Lockout Devices (LOD):
  - LOD (P) - Patrolman's Lockout Device - inhibits movements in one direction only on designated bi-directional line(s)
  - LOD (T) - Traffic Lockout Device - inhibits all movements on designated line(s)
  - NB: Full details of the protection afforded is as defined in the lineside case.
- Locations where Permissive Working is authorised :-
  - PP - Permissive Working - full use for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PP-A - Permissive Working - Attaching and Detaching use only for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PP-S - Permissive Working - Platform Sharing use only for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PP-C - Permissive Working - Contingency use only for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PF - Permissive Working for class 3 to 8 and 0 trains.

Additional Layer(s) Table 'A' Symbols

Exceptionally Poor Rail Adhesion Area

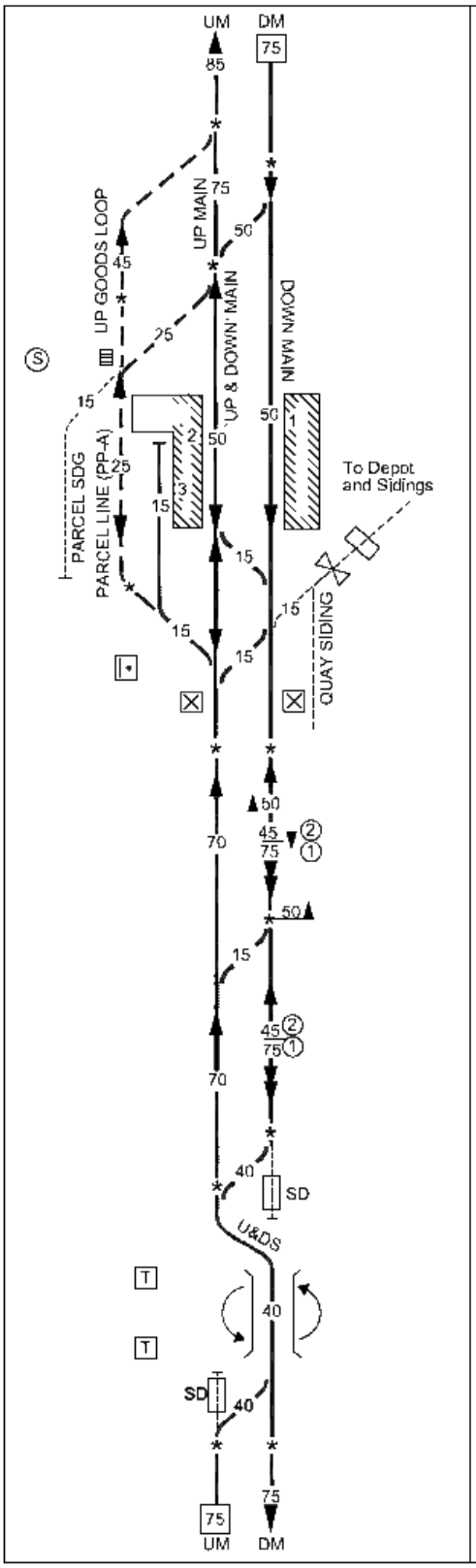
Multi SPAD Signals

Signal Box Instructions

NOTE:

- These symbols are for electronic links to data held in http://OPSweb.co.uk only.
- The additional information obtained via these links is to be used at the users own risk.
- Any further symbols on Table 'A's which are not listed here are in conjunction with further trials as part of the Sectional Appendix + project.

Diagrammatic explanation of symbols



Speed on Down Main line carried forward from previous page.
Speed on Up Main line carried forward to next page.

Permissible speed change, with mileage provided in mileage column.

Crossover with permissible speed of crossover indicated.

Ground Frame, Emergency Ground Frame, Ground Switch Panel or Shunt Frame. Where trains may be shut in, a letter "S" in a circle is shown on the left-hand side of the diagram.

Station platforms, with platform numbers shown where applicable. Platform lengths are shown in the Signalling & Remarks column or as a General Instruction for the Route concerned.

Platforms without any hatching denote parcels platforms.

Weighbridge.

Gates.

Signal box, power signal box, signalling centre.

Patrolman's or Traffic Lookout Device. Type and details of protection defined in the Signalling & Remarks column.

Permissible speed change, with mileage provided in mileage column.

On bi-directional lines, double arrow indicates normal direction of travel.

On single or bi-directional lines, different speeds apply depending on direction of travel. Adjacent arrow indicates in which direction the speed applies.

Change of speed applies in the wrong direction.

Differential speed restriction - details provided in Signalling & Remarks column. See also notes on permissible speeds above.

On single or bi-directional lines, speed applicable in both directions.

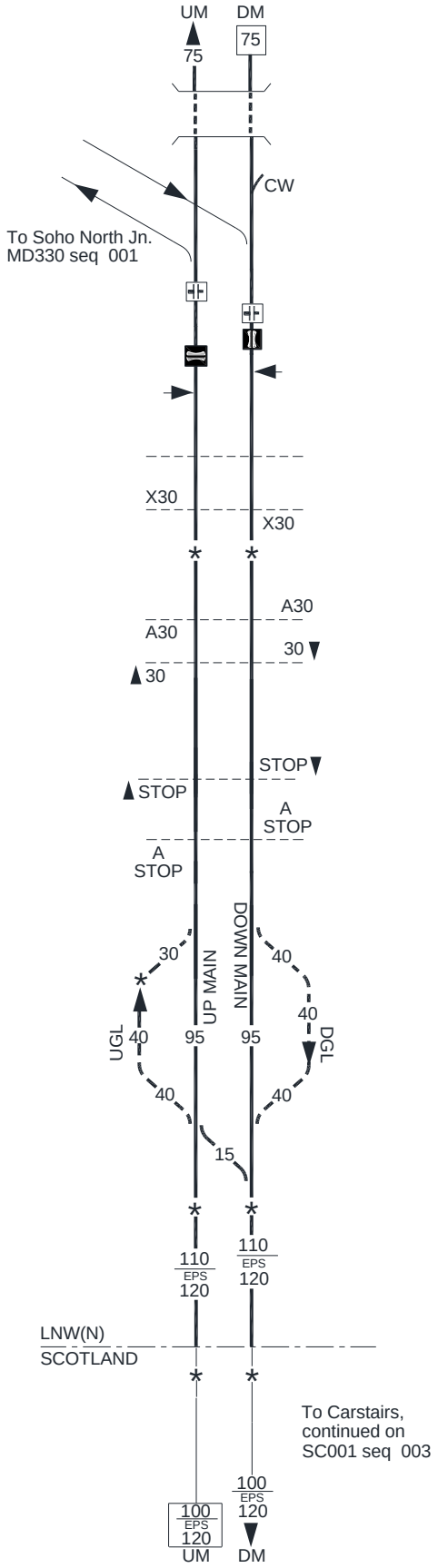
SD: Sand Drag.

Lineside telephone.

Moveable (swing or lift) bridge.

Lineside telephone.

Speed on Up Main line carried forward from previous page.
Speed on Down Main line carried forward to next page.



Speed on Down Main line carried forward from previous page.
Speed on Up Main line carried forward to next page.

Tunnel: Length is shown in the Location column.

Catch points (C: unworked; CW: worked; D: de-railer). Where appropriate, the distance from fixed signals is shown in the Signalling & Remarks column.

Junction with reference to appropriate Table A page.

Overhead line Neutral Section. OHNS is shown in the Location column.

Automatic Power Change Over - Pantograph Raise

Automatic Power Change Over - Pantograph Lower

Hot Axle Box Detector (HABD), Wheel Impact Load Detector or Wheelcheck Device.

Level crossing.

Level crossing with wrong direction approach speed.

Permissible speed change, with mileage provided in mileage column.

Level crossings with right direction approach speed. An arrow or the prefix 'A' may be used. The previous permissible speed resumes beyond the crossing, unless otherwise shown.

Level crossings where trains must be brought to a stand before proceeding over the crossing. An arrow or the prefix 'A' may be used. The previous permissible speed resumes beyond the crossing, unless otherwise shown.

Permissible speed change, with mileage provided in mileage column.

Non-standard differential permissible speed (in this case, Enhanced Permissible Speed).

Route (or Appendix) boundary, with reference to adjacent Route.

Reference to Table A on which the line is continued.

Speed on Up Main line carried forward from previous page.
Speed on Down Main line carried forward to next page.

Dated: 18/05/19

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Index of Locations

Location	Table A - Module
Abbey Farm No 2 Crossing	SW115-013-KSW3
Abbey Meads Crossing	SO310-012-KSW2
ABBEY WOOD	SO290-007-KSW2
Abbey Wood TP Hut	SO290-007-KSW2
Abbotscliffe Substation	SO130-034-KSW2
Abbotscliffe Tunnel	SO130-034-KSW2
ADDLESTONE	SW255-002-KSW3
Addlestone Jn	SW255-002-KSW3
Addlestone LC (CCTV)	SW255-002-KSW3
Adelaide LC (CCTV)	SW140-001-KSW3
ADISHAM	SO160-003-KSW2
Adisham Substation	SO160-003-KSW2
Admiralty Crossing	SW105-044-KSW3
Adversane LC (AHBC)	SO520-005-KSW2
ALBANY PARK	SO310-003-KSW2
Albany Park Substation	SO310-003-KSW2
Albemarle Road TP Hut	SO110-008-KSW2
ALDERSHOT	SW120-003-KSW3
Aldershot North Jn	SW120-002-KSW3
Aldershot South Jn	SW265-002-KSW3
Aldershot Tunnel	SW120-003-KSW3
ALDRINGTON	SO630-002-KSW2
Allbrook	SW105-023-KSW3
Allington Ground Frame	SO310-013-KSW2
Allington Sidings	SO310-013-KSW2
ALTON	SW120-006-KSW3
AMBERLEY	SO520-007-KSW2
Amberley TP Hut	SO520-007-KSW2
AMPRESS WORKS	SW160-002-KSW3
ANDOVER	SW115-002-KSW3
Andover Ground Frame	SW115-002-KSW3
ANERLEY	SO510-006-KSW2
ANGMERING	SO630-007-KSW2
Angmering LC (CCTV)	SO630-007-KSW2
Angmering Substation	SO630-007-KSW2
APPLEDORE	SO600-010-KSW2
Appledore LC (AHBC)	SO600-010-KSW2
Ardingly Sidings	SO500-021-KSW2
ARUNDEL	SO520-008-KSW2
Arundel Jn	SO520-008-KSW2, SO630-008-KSW2
Arundel SB (AR)	SO520-008-KSW2
Arundel TP Hut	SO520-008-KSW2
ASCOT	SW210-010-KSW3
ASH	SW265-002-KSW3
Ash LC (CCTV)	SW265-002-KSW3
Ash Road LC (AHBC)	SO240-004-KSW2
ASH VALE	SW120-002-KSW3
Ash Vale Jn	SW120-002-KSW3
Ashcombe TP Hut	SO620-003-KSW2
Asheham Crossing	SO620-005-KSW2

Location	Table A - Module
ASHFORD (Kent)	SO130-025-KSW2, SO130-026-KSW2
ASHFORD (Wessex)	SW210-006-KSW3
Ashford IECC (AD)	SO130-026-KSW2
Ashford LC (R/G)	SW115-010-KSW3
Ashford Substation	SO130-027-KSW2
Ashleys Crossing	SO210-001-KSW2
ASHTEAD	SO680-007-KSW2, SW180-004-KSW3
Ashtead LC (CCTV)	SO680-007-KSW2, SW180-004-KSW3
Ashtead Substation	SO680-007-KSW2
ASHURST	SO540-002-KSW2
Ashurst Jn	SO540-002-KSW2
ASHURST NEW FOREST	SW105-035-KSW3
Austin Crossing	SO110-023-KSW2
Axe LC (AHBC)	SW115-013-KSW3
AXMINSTER	SW115-013-KSW3
Axminster East Jn	SW115-013-KSW3
Axminster LC (CCTV)	SW115-013-KSW3
Axminster West Jn	SW115-013-KSW3
AYLESFORD	SO310-012-KSW2
Aylesford Ground Frame	SO310-012-KSW2
Aylesford LC	SO310-012-KSW2
Aylesford SB (AF)	SO310-012-KSW2
Aylesford TP Hut	SO310-013-KSW2
Aylesford Village LC (CCTV)	SO310-012-KSW2
AYLESHAM	SO160-003-KSW2
BAGSHOT	SW260-001-KSW3
Bagshot Tunnel	SW260-001-KSW3
Baker's Crossing	SO520-004-KSW2
Bakers (Accom)	SO600-009-KSW2
BALCOMBE	SO500-020-KSW2
Balcombe Tunnel	SO500-020-KSW2
Balcombe Tunnel Jn	SO500-020-KSW2
Balcombe Tunnel Substation	SO500-020-KSW2
BALHAM	SO500-005-KSW2
Balham Jn	SO500-005-KSW2
Balham Substation	SO500-005-KSW2
Balham TP Hut	SO650-001-KSW2
Ballast Hole Crossing	SO180-001-KSW2
Banks Crossing	SW150-001-KSW3
BANSTEAD	SO510-012-KSW2
Banstead Substation	SO510-012-KSW2
Barford F/P Crossing	SW115-007-KSW3
BARMING	SO140-005-KSW2
Barming Substation	SO140-005-KSW2
Barn's Green LC (AHBC)	SO520-004-KSW2
BARNEHURST	SO300-003-KSW2
BARNES	SW210-002-KSW3
BARNES BRIDGE	SW230-001-KSW3
Barnes Green TP Hut	SO520-004-KSW2
Barnett Wood TP Hut	SO680-007-KSW2
BARNHAM	SO520-010-KSW2
Barnham SC (BH)	SO520-010-KSW2
Barnham Substation	SO520-010-KSW2

Location	Table A - Module
Barts (Accom)	SO600-010-KSW2
Basin Road LC (CCTV)	SO520-012-KSW2
BASINGSTOKE	SW105-017-KSW3
Basingstoke SB (BE) (SE) (PW)	SW105-017-KSW3
BAT & BALL	SO140-002-KSW2
BATTERSEA PARK	SO110-003-KSW2, SO500-003-KSW2, SO645-001-KSW2
Battersea Park Jn	SO500-003-KSW2, SO645-001-KSW2
Battersea Pier Jn	SO110-002-KSW2, SO250-002-KSW2, SO500-003-KSW2
Battersea Pier Sidings Staff Halt	SO500-003-KSW2
BATTLE	SO170-006-KSW2
Battle Ground Frame	SO170-006-KSW2
Battle Road LC (AHBC)	SO170-006-KSW2
Bax Crossing	SO110-022-KSW2
Beach Road LC (RC)	SO620-006-KSW2
BEARSTED	SO140-006-KSW2
Bearsted Substation	SO140-006-KSW2
BEAULIEU ROAD	SW105-035-KSW3
BECKENHAM HILL	SO260-005-KSW2
Beckenham Hill TP Hut	SO260-005-KSW2
BECKENHAM JN	SO110-008-KSW2
Beckenham Spur Jn	SO110-008-KSW2
Becketts LC (AHBC)	SO600-010-KSW2
BEDHAMPTON	SO520-016-KSW2, SW110-011-KSW3
Bedhampton LC (CCTV)	SO520-016-KSW2, SW110-011-KSW3
Bedmill Farm No 1 Crossing	SW115-011-KSW3
Beechgrove GF	SW170-004-KSW3
BEKESBOURNE	SO160-003-KSW2
Bekesbourne Substation	SO160-003-KSW2
Belle Vue Substation	SO500-007-KSW2
BELLINGHAM	SO260-004-KSW2
BELMONT	SO510-012-KSW2
Belmont TP Hut	SO510-012-KSW2
BELTRING	SO180-001-KSW2
Beltring LC (AHBC)	SO180-001-KSW2
Beltring TP Hut	SO180-001-KSW2
BELVEDERE	SO290-007-KSW2
Belvedere Substation	SO290-007-KSW2
BENTLEY	SW120-005-KSW3
BERRYLANDS	SW105-006-KSW3
Berrylands Jn	SW105-006-KSW3
BERWICK	SO590-006-KSW2
Berwick LC (MCB-OD)	SO590-006-KSW2
Berwick TP Hut	SO590-006-KSW2
BETCHWORTH	SO560-001-KSW2
Betchworth Ground Frame	SO560-001-KSW2
Betchworth LC (CCTV)	SO560-001-KSW2
Betchworth Tunnel	SO680-009-KSW2, SW180-006-KSW3
Bethell's Crossing	SW205-001-KSW3
Betteshanger Substation	SO240-002-KSW2
Bewbush crossing	SO520-001-KSW2
BEXHILL	SO600-003-KSW2
Bexhill East TP Hut	SO600-003-KSW2

Location	Table A - Module
Bexhill Substation	SO600-003-KSW2
BEXLEY	SO310-003-KSW2
BEXLEYHEATH	SO300-003-KSW2
Bexleyheath Substation	SO300-003-KSW2
BICKLEY	SO110-010-KSW2
Bickley Jn	SO110-011-KSW2
BILLINGSHURST	SO520-005-KSW2
Billingshurst Substation	SO520-005-KSW2
Bilting Crossing	SO220-001-KSW2
Bilting Grange Crossing	SO220-001-KSW2
Bilting TP Hut	SO220-001-KSW2
Bincombe Tunnel	SW105-050-KSW3
Bindon No 1 Crossing	SW105-045-KSW3
Bindon No 2 Crossing	SW105-045-KSW3
Birchden Jn	SO540-003-KSW2
BIRCHINGTON	SO110-025-KSW2
Birchington TP Hut	SO110-025-KSW2
BIRKBECK	SO650-004-KSW2
Birkbeck Jn	SO650-004-KSW2
Birkbeck TP Hut	SO650-004-KSW2
Bishops Crossing	SW150-003-KSW3
BISHOPSTONE	SO620-007-KSW2
BITTERNE	SW140-001-KSW3
Black Boy Lane LC (AHBC)	SO520-013-KSW2
Blackboy Tunnel	SW115-017-KSW3
Blackbrook Substation	SO680-009-KSW2, SW180-006-KSW3
BLACKFRIARS	SO280-002-KSW2
Blackfriars Jn	SO280-002-KSW2, SO520-018-KSW2, SW110-014-KSW3
Blackham Jn	SO540-002-KSW2
BLACKHEATH	SO300-001-KSW2
Blackheath Jn	SO300-001-KSW2
Blackheath TP Hut	SO300-001-KSW2
Blackheath Tunnel	SO300-001-KSW2
BLACKWATER	SW265-004-KSW3
Bletchingley Tunnel	SO550-001-KSW2
Bletchingley Tunnel Substation	SO550-001-KSW2
Blue Anchor	SO130-006-KSW2
Blue Anchor Jn	SO510-002-KSW2
Blue Pigeon Crossing	SO240-003-KSW2
Bo Peep Jn	SO170-006-KSW2
Bo Peep Jn	SO600-004-KSW2
Bo Peep Jn SB (BJ)	SO600-004-KSW2
Bo Peep Jn Substation	SO170-006-KSW2, SO600-004-KSW2
Bo Peep Tunnel	SO600-005-KSW2
Boarmans LC (open)	SO210-001-KSW2
BOGNOR REGIS	SO640-001-KSW2
Bognor Regis SB (BR)	SO640-001-KSW2
Bognor Substation	SO640-001-KSW2
BOOKHAM	SW205-001-KSW3
Bookham Tunnel	SW205-001-KSW3
BOROUGH GREEN & WROTHAM	SO140-003-KSW2

Location	Table A - Module
Borough Green Substation	SO140-003-KSW2
Borough Market Jn	SO130-002-KSW2
BOSHAM	SO520-013-KSW2
Bosham LC (AHBC)	SO520-013-KSW2
Bosham TP Hut	SO520-013-KSW2
BOTLEY	SW135-002-KSW3
Bough Beech TP Hut	SO550-002-KSW2
BOURNEMOUTH	SW105-039-KSW3
Bournemouth SB (BC)	SW105-039-KSW3
Bowdell LC (open)	SO210-001-KSW2
Bowerhill Lane Substation	SO550-001-KSW2
Bowermans Crossing	SO630-008-KSW2
BOXHILL & WESTHUMBLE	SO680-008-KSW2, SW180-005-KSW3
BRACKNELL	SW210-011-KSW3
Brambling TP Hut	SO160-003-KSW2
Bramdean TP Hut	SO130-010-KSW2
BRAMLEY	SW125-001-KSW3
Bramley LC (CCTV)	SW125-001-KSW3
BRANKSOME	SW105-040-KSW3
Brasted Lands Crossing	SO550-002-KSW2
Brenley TP Hut	SO160-001-KSW2
BRENTFORD	SW230-003-KSW3
Bricklayers Arms Jn	SO510-003-KSW2
Bridge No 2	SW140-001-KSW3
BRIGHTON	SO500-026-KSW2
Brighton Substation	SO500-026-KSW2
BRIXTON	SO110-004-KSW2, SO645-003-KSW2
Brixton Jn	SO110-004-KSW2, SO645-003-KSW2
Broad Oak LC (AHBC)	SO220-003-KSW2
BROADSTAIRS	SO110-027-KSW2
Broadstairs Substation	SO110-027-KSW2
BROCKENHURST	SW105-036-KSW3
Brockenhurst LC	SW105-036-KSW3
Brockenhurst SB (BH)	SW105-036-KSW3
Brockham LC (AHBC)	SO560-002-KSW2
BROCKLEY	SO510-004-KSW2
Brockley Substation	SO510-004-KSW2
Bromley Down Jn	SO650-004-KSW2
BROMLEY NORTH	SO350-001-KSW2
BROMLEY SOUTH	SO110-010-KSW2
Bromley South TP Hut	SO110-010-KSW2
Bromley Up Jn	SO650-004-KSW2
Brook Lane Crossing	SO630-007-KSW2
Brook LC (AHBC)	SW300-001-KSW3
Brooklands LC (AOCL)	SO210-001-KSW2
BROOKWOOD	SW105-014-KSW3
Broom LC (AHBC)	SW115-013-KSW3
Broomfield TP Hut	SO110-025-KSW2
Buckland Jn	SO160-005-KSW2
Buckland Jn TP Hut	SO160-005-KSW2
Buckland LC (AHBC)	SO560-001-KSW2
Buckwell Crossing	SO220-001-KSW2
BURGESS HILL	SO500-022-KSW2
Burgess Hill TP Hut	SO500-022-KSW2

Location	Table A - Module
Buriton Tunnel	SW110-008-KSW3
Burl Farm (UWC)	SW175-004-KSW3
Burrows Lane LC (AHBC)	SO560-002-KSW2, SW300-001-KSW3
BURSLEDON	SW140-004-KSW3
Burton Common UWC	SW105-046-KSW3
Butlers Crossing	SW150-002-KSW3
BUXTED	SO540-003-KSW2
BYFLEET AND NEW HAW	SW105-011-KSW3
Byfleet Jn	SW105-011-KSW3
CEGB Crossing	SO170-001-KSW2
Calderwood Street Tunnel	SO290-005-KSW2
Caldicott LC (open)	SO210-001-KSW2
CAMBERLEY	SW260-002-KSW3
Camberley LC (CCTV)	SW260-002-KSW3
Cambria Jn	SO260-001-KSW2, SO645-004-KSW2
CANNON STREET	SO130-002-KSW2
Cannon Street Substation	SO130-002-KSW2
CANTERBURY EAST	SO160-002-KSW2
Canterbury East Substation	SO160-002-KSW2
Canterbury Road Jn	SO110-004-KSW2, SO260-001-KSW2, SO645-004-KSW2
CANTERBURY WEST	SO220-002-KSW2
Canterbury West Signal Box (EDH)	SO220-002-KSW2
Canterbury West Substation	SO220-002-KSW2
Canterbury West TP Hut	SO220-002-KSW2
Canterbury / Wye ACC (CWACC) (EBT)	SO220-002-KSW2
Canute Road LC (ACCL)	SW145-001-KSW3
Carlisle Lane Jn	SW100-002-KSW3
CARSHALTON	SO680-004-KSW2
CARSHALTON BEECHES	SO510-010-KSW2
Carshalton TP Hut	SO680-004-KSW2
CASTLE CARY	SW175-001-KSW3
Castle Cary Jn	SW175-001-KSW3
Castleton Farm Crossing	SW115-010-KSW3
Cater Crossing	SO220-003-KSW2
CATERHAM	SO660-001-KSW2
CATFORD	SO260-004-KSW2
CATFORD BRIDGE	SO330-003-KSW2
Catford Substation	SO260-004-KSW2, SO330-003-KSW2
Chalk Tunnel	SW110-003-KSW3
Chalkwell TP Hut	SO110-020-KSW2
Chandlers Crossing	SW150-001-KSW3
CHANDLERS FORD	SW130-001-KSW3
Chandlers Ford UWC	SW130-001-KSW3
Chantry (Footpath)	SW115-008-KSW3
Chapel Road LC (AOCL)	SW145-001-KSW3
Chard Jn Down Sidings GF	SW115-012-KSW3
Chard Jn LC	SW115-012-KSW3
CHARING	SO140-008-KSW2
CHARING CROSS	SO130-003-KSW2
Charing Substation	SO140-008-KSW2
CHARLTON	SO290-003-KSW2
Charlton Jn	SO290-003-KSW2
Charlton Lane LC	SO290-003-KSW2

Location	Table A - Module
Charlton Substation	SO290-003-KSW2
Charlton Tunnel	SO160-005-KSW2, SO290-003-KSW2
Chart Crossing	SO130-023-KSW2
Chart Leacon Feeder Hut	SO130-024-KSW2
Chart Substation	SO130-023-KSW2
CHARTHAM	SO220-002-KSW2
Chartham Hatch LC (AHBC)	SO160-002-KSW2
Chartham LC	SO220-002-KSW2
Chartham North Substation	SO160-002-KSW2
Chartham South Substation	SO220-002-KSW2
CHATHAM	SO110-017-KSW2
Chatham TP Hut	SO110-017-KSW2
Chatham Tunnel	SO110-017-KSW2
CHEAM	SO680-005-KSW2
Cheam TP Hut	SO680-005-KSW2
Chelsea Substation	SO250-006-KSW2
CHELSFIELD	SO130-016-KSW2
Chelsfield Substation	SO130-016-KSW2
Chelsfield Tunnel	SO130-016-KSW2
CHERTSEY	SW255-001-KSW3
Chertsey LC (CCTV)	SW255-001-KSW3
CHESSINGTON NORTH	SW185-002-KSW3
CHESSINGTON SOUTH	SW185-002-KSW3
CHESTFIELD & SWALECLIFFE	SO110-024-KSW2
Chestfield TP Hut	SO110-024-KSW2
CHETNOLE	SW175-003-KSW3
CHICHESTER	SO520-012-KSW2
Chichester SB (CC)	SO520-012-KSW2
Chichester TP Hut	SO520-012-KSW2
Chicks Farm Crossing	SW175-005-KSW3
Chicks Farm Foot (UWC)	SW175-005-KSW3
Chiddingstone Substation	SO550-002-KSW2
CHILHAM	SO220-001-KSW2
Chilham Mill LC (CCTV)	SO220-001-KSW2
Chilham Road LC (CCTV)	SO220-001-KSW2
Chilham TP Hut	SO220-001-KSW2
Chiltington TP Hut	SO590-002-KSW2
CHILWORTH	SW300-002-KSW3
Chilworth LC (CCTV)	SW300-002-KSW3
CHIPSTEAD	SO660-003-KSW2
Chipstead Line Jn	SO660-001-KSW2
Chipstead Substation	SO660-003-KSW2
CHISLEHURST	SO130-013-KSW2
Chislehurst Fast Tunnel	SO130-012-KSW2
Chislehurst Jn	SO110-011-KSW2, SO130-013-KSW2
Chislehurst Slow Tunnel	SO130-012-KSW2
Chislehurst Substation	SO110-011-KSW2, SO130-013-KSW2
Chislehurst Tunnels	SO130-012-KSW2
Chislet Colliery Substation	SO220-003-KSW2
CHISWICK	SW230-001-KSW3
CHRIST S HOSPITAL	SO520-004-KSW2
CHRISTCHURCH	SW105-038-KSW3
Church Crossing	SO180-002-KSW2

Location	Table A - Module
Church F/P Crossing	SO130-022-KSW2, SO520-014-KSW2
Church Road Substation	SO140-004-KSW2
CITY THAMESLINK	SO280-001-KSW2
CLANDON	SW200-004-KSW3
CLAPHAM HIGH STREET	SO110-004-KSW2, SO645-003-KSW2
Clapham Jn Substation	SO500-004-KSW2
CLAPHAM JUNCTION	SO500-004-KSW2, SW100-007-KSW3, SW105-001-KSW3, SW210-001-KSW3
Clapham Yard GF (CY)	SW100-007-KSW3
Clay Lane LC (AHBC)	SO520-013-KSW2
CLAYGATE	SW200-001-KSW3
Clayton Tunnel	SO500-023-KSW2
Cliffe Ground Frame	SO320-001-KSW2
Cliffsend LC (AHBC)	SO220-004-KSW2
Cliffsend TP Hut	SO220-004-KSW2
Cliftonville Tunnel	SO500-025-KSW2
CLOCK HOUSE	SO330-004-KSW2
Clock House LC (AHBC)	SO160-001-KSW2
COBHAM & STOKE D ABERNON	SW200-002-KSW3
Cobhambury TP Hut	SO110-015-KSW2
Codford LC (AHBC)	SW170-004-KSW3
Codmore Hill Substation	SO520-006-KSW2
Cold Blow LC (R/G)	SO240-001-KSW2
Coldharbour LC (Open)	SO210-001-KSW2
Coldharbour TP Hut	SO110-025-KSW2
Coleman Street Tunnel	SO290-004-KSW2
Colemans UWC	SW105-045-KSW3
Collier Street Substation	SO130-022-KSW2
COLLINGTON	SO600-002-KSW2
Connection to St Leonards LMD	SO600-004-KSW2
Continental Jn Substation	SO130-031-KSW2
COODEN BEACH	SO600-002-KSW2
Cooden Halt TP Hut	SO600-002-KSW2
Cookes (Accom)	SO600-009-KSW2
Cooks LC (CCTV)	SW200-002-KSW3
Cooks No 1 (Accom)	SO600-009-KSW2
COOKSBRIDGE	SO590-002-KSW2
Cooksbridge LC (CCTV)	SO590-002-KSW2
Cooksbridge Substation	SO590-002-KSW2
Coombe Lane Crossing	SO560-002-KSW2
Coopers Crossing	SO600-008-KSW2
Copse F/P Crossing	SO520-014-KSW2
Copyhold Jn	SO500-021-KSW2
Copyhold Jn TP Hut	SO500-021-KSW2
Corton Steps Crossing	SW170-004-KSW3
COSHAM	SW140-007-KSW3
Cosham Jn	SW140-008-KSW3
Cosham LC (CCTV)	SW140-007-KSW3
Cottage Jn	SO500-008-KSW2
COULSDON SOUTH	SO500-013-KSW2
COULSDON TOWN	SO660-002-KSW2
Courthill Loop North Jn	SO330-002-KSW2
Courthill Loop South Jn	SO130-008-KSW2
Cousdon North Ground Frame	SO500-011-KSW2

Location	Table A - Module
Cousdon North Substation	SO500-011-KSW2
Couston Bottom Crossing	SW170-005-KSW3
Cow Lane Crossing	SO640-001-KSW2
COWDEN	SO540-001-KSW2
Crampmoor Crossing	SW130-001-KSW3
CRANBROOK	SW115-015-KSW3
Cranmore Substation	SO130-022-KSW2
Crannaford LC (AHBC)	SW115-015-KSW3
Crawford UWC	SW130-001-KSW3
CRAWLEY	SO520-001-KSW2
Crawley High Street LC (CCTV)	SO520-001-KSW2
Crawley New Yard	SO500-018-KSW2
Crawley TP Hut	SO520-001-KSW2
Cray Lane LC (AHBC)	SO520-006-KSW2
CRAYFORD	SO310-003-KSW2
Crayford Creek Jn	SO290-008-KSW2
Crayford Spur "A" Jn	SO290-009-KSW2
Crayford Spur "B" Jn	SO310-004-KSW2
Crayford TP Hut	SO310-003-KSW2
CREWKERNE	SW115-012-KSW3
Crewkerne LC (AHBC)	SW115-012-KSW3
Crewkerne Tunnel	SW115-012-KSW3
Crockway Crossing	SW175-005-KSW3
CROFTON PARK	SO260-004-KSW2
Crofton Park TP Hut	SO260-004-KSW2
Crofton Road Jn	SO260-002-KSW2, SO645-005-KSW2
Cross Street Tunnel	SO290-005-KSW2
CROWBOROUGH	SO540-003-KSW2
Crowborough Ground Frame	SO540-003-KSW2
Crowborough Jn	SO540-003-KSW2
Crowborough Tunnel	SO540-003-KSW2
CROWHURST	SO170-006-KSW2
Crowhurst Bridge LC (AHBC)	SO170-004-KSW2
Crowhurst Jn TP Hut	SO550-001-KSW2
CROWTHORNE	SW265-004-KSW3
CRYSTAL PALACE	SO650-003-KSW2
Crystal Palace TP Hut	SO650-003-KSW2
Crystal Palace Tunnel	SO650-003-KSW2
Culmers TP Hut	SO110-023-KSW2
CUXTON	SO310-010-KSW2
Cuxton Ground Frame	SO310-010-KSW2
Cuxton LC	SO310-010-KSW2
Cuxton SB (CX)	SO310-010-KSW2
Danes (UWC)	SW125-001-KSW3
Darby Green UWC	SW265-004-KSW3
Darenth Substation	SO110-014-KSW2
Darkies UWC	SW105-046-KSW3
DARTFORD	SO310-005-KSW2
Dartford Jn	SO310-004-KSW2
Dartford Substation	SO290-009-KSW2, SO310-004-KSW2
DATCHET	SW250-002-KSW3
Datchet LC (CCTV)	SW250-002-KSW3
DEAL	SO240-002-KSW2
Deal SB (EBZ)	SO240-002-KSW2
Deal TP Hut	SO240-002-KSW2

Location	Table A - Module
DEAN	SW150-003-KSW3
Dean Hill LC (AHBC)	SW150-002-KSW3
Dean LC (AHBC)	SW150-003-KSW3
Deanery Crossing	SO220-002-KSW2
Decoy Crossing	SO520-011-KSW2
DENMARK HILL	SO110-004-KSW2, SO260-002-KSW2, SO645-004-KSW2
Denmark Hill Tunnel	SO260-002-KSW2, SO645-004-KSW2
Denton Substation	SO310-007-KSW2
DEPTFORD	SO290-001-KSW2
DILTON MARSH	SW170-003-KSW3
Dinton Manor Farm Crossing	SW115-007-KSW3
Ditching Road Tunnel	SO620-001-KSW2
Ditchling TP Hut	SO590-001-KSW2
Ditton Substation	SO140-004-KSW2
Dockland Tunnel	SO290-004-KSW2
Dodds Copice Substation	SO550-001-KSW2
DOLEHAM	SO600-008-KSW2
Doleham Crossing	SO600-008-KSW2
Dollands Moor Substation	SO130-030-KSW2
Dorchester Jn	SW105-049-KSW3, SW175-006-KSW3
DORCHESTER SOUTH	SW105-048-KSW3
Dorchester South SB (DR)	SW105-048-KSW3
DORCHESTER WEST	SW175-006-KSW3
DORKING	SO680-008-KSW2, SW180-005-KSW3
DORKING (DEEPDENE)	SO560-002-KSW2
Dorking SB (CBK)	SO680-008-KSW2, SW180-005-KSW3
Dorking Substation	SO680-008-KSW2
DORKING WEST	SO560-002-KSW2
Dorking West Ground Frame	SO560-002-KSW2
DORMANS	SO530-004-KSW2
Dormans Substation	SO530-004-KSW2
Dover Harbour Tunnel	SO160-006-KSW2
DOVER PRIORY	SO160-006-KSW2
Dover Priory Tunnel	SO160-006-KSW2
Dover Substation	SO160-006-KSW2
Dowle Street Substation	SO130-023-KSW2
Drayton LC (AHBC)	SO520-011-KSW2
Drayton Substation	SO520-011-KSW2
Drift Lane LC (AHBC)	SO520-014-KSW2
Dukes Crossing	SO590-007-KSW2
DUMPTON PARK	SO110-027-KSW2
Dumpton Park TP Hut	SO110-027-KSW2
DUNBRIDGE	SW150-002-KSW3
Dunbridge Crossing	SW150-002-KSW3
Dunbridge LC (AHBC)	SW150-002-KSW3
Dungeness Ground Frame	SO210-001-KSW2
DUNTON GREEN	SO130-016-KSW2
Durham Farm Crossing	SO620-006-KSW2
DURRINGTON-ON-SEA	SO630-006-KSW2
EARLEY	SW210-013-KSW3
Earls Court TP Hut	SO250-006-KSW2
EARLSFIELD	SW105-002-KSW3
EARLSWOOD	SO500-015-KSW2
East Burton LC (CCTV)	SW105-046-KSW3

Location	Table A - Module
East Chiltington Crossing	SO590-002-KSW2
East Cliff UWC	SO230-001-KSW2
EAST CROYDON	SO500-009-KSW2
East Croydon TP Hut	SO500-009-KSW2
East Dean Crossing	SW150-003-KSW3
East Dover TP Hut	SO240-001-KSW2
EAST DULWICH	SO680-002-KSW2
East End Crossing	SO130-023-KSW2
EAST FARLEIGH	SO180-003-KSW2
East Farleigh SB (EF)	SO180-003-KSW2
East Farleigh TP Hut	SO180-003-KSW2
East Grimstead GF	SW150-003-KSW3
EAST GRINSTEAD	SO530-004-KSW2
East Grinstead TP Hut	SO530-004-KSW2
East Guldeford LC (AHBC)	SO600-009-KSW2
East Kent Signalling Centre (EK)	SO110-017-KSW2
EAST MALLING	SO140-004-KSW2
East Peckham Engineers Tip Siding Ground Frame	SO180-001-KSW2
EAST PUTNEY	SW225-001-KSW3
East Putney Tunnel	SW225-001-KSW3
East Shalford Crossing	SW300-002-KSW3
EAST WORTHING	SO630-004-KSW2
EASTBOURNE	SO590-009-KSW2
Eastbourne Ground Frame	SO590-009-KSW2
Eastbourne SB (EB)	SO590-009-KSW2
Eastbourne Substation	SO590-009-KSW2
Eastern Jn	SO110-020-KSW2
Eastfields Road LC (CCTV)	SO680-004-KSW2
EASTLEIGH	SW105-024-KSW3
Eastleigh East Jn	SW105-024-KSW3
Eastleigh SB (E)	SW105-024-KSW3
Eastleigh South Jn	SW135-001-KSW3
Eastleigh West Jn	SW105-024-KSW3
EDEN PARK	SO330-005-KSW2
Eden Substation	SO530-003-KSW2
EDENBRIDGE	SO550-002-KSW2
Edenbridge Ground Frame	SO550-002-KSW2
EDENBRIDGE TOWN	SO540-001-KSW2
Edenbridge TP Hut	SO550-002-KSW2
Edenbridge Tunnel	SO540-001-KSW2
Effingham Jn	SW200-003-KSW3, SW205-001-KSW3
EFFINGHAM JUNCTION	SW200-003-KSW3
EGHAM	SW210-008-KSW3
Egham LC (CCTV)	SW210-008-KSW3
ELEPHANT AND CASTLE	SO280-003-KSW2
ELMERS END	SO330-005-KSW2
ELMSTEAD WOODS	SO130-012-KSW2
Elmstead Woods TP Hut	SO130-012-KSW2
ELTHAM	SO300-002-KSW2
Eltham (Well Hall)	SO300-002-KSW2
EMSWORTH	SO520-014-KSW2
Emsworth TP Hut	SO520-014-KSW2
Englemere Crossing	SW210-010-KSW3
Enham (UWC)	SW115-002-KSW3

Location	Table A - Module
Ensinge TP Hut	SO160-001-KSW2
EPSOM	SO680-006-KSW2, SW180-003-KSW3
EPSOM DOWNS	SO510-012-KSW2
ERIDGE	SO540-002-KSW2
ERITH	SO290-007-KSW2
Erith TP Hut	SO290-007-KSW2
ESHER	SW105-009-KSW3
ETCHINGHAM	SO170-004-KSW2
Etchingham LC (CCTV)	SO170-004-KSW2
Etchingham Substation	SO170-004-KSW2
Eton College Road	SW170-005-KSW3
Evershot Tunnel	SW175-004-KSW3
EWELL EAST	SO680-005-KSW2
Ewell East Substation	SO680-005-KSW2
EWELL WEST	SW180-002-KSW3
EXETER CENTRAL	SW115-017-KSW3
EXETER ST DAVIDS (E)	SW115-019-KSW3
Exeter St Davids Tunnel	SW115-018-KSW3
Exmouth Jn SB (EJ)	SW115-016-KSW3
EYNSFORD	SO140-001-KSW2
Eynsford Substation	SO140-001-KSW2
Eynsford Tunnel	SO140-001-KSW2
Factory Jn	SO110-003-KSW2, SO250-002-KSW2, SO645-002-KSW2
Falcon Jn	SO500-004-KSW2
FALCONWOOD	SO300-002-KSW2
Falconwood TP Hut	SO300-002-KSW2
FALMER	SO620-002-KSW2
Falmer Substation	SO620-002-KSW2
Falmer Tunnel	SO620-002-KSW2
FAREHAM	SW140-006-KSW3
Fareham No 1 Tunnel	SW135-003-KSW3
Fareham No 2 Tunnel	SW135-003-KSW3
Farleigh Lane LC	SO180-003-KSW2
Farlington Jn	SO520-016-KSW2, SW110-011-KSW3
FARNBOROUGH	SW105-015-KSW3
Farnborough North	SW265-003-KSW3
FARNBOROUGH NORTH	SW265-003-KSW3
FARNCOMBE	SW110-004-KSW3
Farncombe East LC (CCTV)	SW110-004-KSW3
Farncombe LC	SW110-004-KSW3
Farncombe SB (WZ)	SW110-004-KSW3
FARNHAM	SW120-004-KSW3
Farnham Depot Shunt Panel (FD)	SW120-005-KSW3
Farnham LC (CCTV)	SW120-004-KSW3
FARNINGHAM ROAD	SO110-014-KSW2
Farningham Road Ground Frame	SO110-014-KSW2
FARRINGDON	SO280-001-KSW2
Farringdon Jn	SO280-001-KSW2
Farringdon Substation	SO280-001-KSW2
FAVERSHAM	SO110-023-KSW2
Faversham Substation	SO110-023-KSW2
Fawkham Junction	SO110-014-KSW2

Location	Table A - Module
Fawkham Substation	SO110-014-KSW2
Fawley GF	SW155-003-KSW3
FAYGATE	SO520-002-KSW2
Faygate TP Hut	SO520-002-KSW2
FELTHAM	SW210-006-KSW3
Feltham Jn	SW210-006-KSW3
Feltham SB (F)	SW210-006-KSW3
Feltham West LC (CCTV)	SW210-006-KSW3
FENITON	SW115-015-KSW3
Feniton LC (CCTV)	SW115-015-KSW3
Ferring LC (CCTV)	SO630-006-KSW2
Ferry Road LC (CCTV)	SO600-009-KSW2
Fielders LC (open)	SO210-001-KSW2
Firle Crossing	SO590-006-KSW2
Firle TP Hut	SO590-006-KSW2
FISHBOURNE	SO520-013-KSW2
Fishbourne Footpath LC (R/G)	SO520-013-KSW2
Fishbourne Substation	SO520-013-KSW2
Fishers F/P Crossing	SO130-022-KSW2
FISHERSGATE	SO630-002-KSW2
Fisherton Tunnel	SW115-004-KSW3
Five Oak Green Substation	SO130-020-KSW2
FLEET	SW105-016-KSW3
FOLKESTONE CENTRAL	SO130-032-KSW2
Folkestone East SB (YE)	SO130-033-KSW2
FOLKESTONE EAST STAFF HALT	SO130-033-KSW2
FOLKESTONE HARBOUR	SO230-001-KSW2
Folkestone Harbour LC	SO230-001-KSW2
Folkestone Harbour SB (EBB)	SO230-001-KSW2
Folkestone Jn Substation	SO130-033-KSW2
FOLKESTONE WEST	SO130-032-KSW2
Folkington Substation	SO590-007-KSW2
Folly Farm UWC	SO220-003-KSW2
Folly Hill TP Hut	SO500-022-KSW2
Folly Road LC (CCTV)	SO230-001-KSW2
FORD	SO520-009-KSW2
Ford Crossing	SW300-001-KSW3
Ford Jn	SO520-009-KSW2
Ford LC (CCTV)	SO520-009-KSW2
Ford Substation	SO520-008-KSW2, SO630-008-KSW2
FOREST HILL	SO510-005-KSW2
Forest Hill TP Hut	SO510-005-KSW2
Forge Form Xing (R/G)	SO540-002-KSW2
Fort Pitt Tunnel	SO110-017-KSW2
Forty Steps (UWC)	SW115-001-KSW3
Forty Steps F/P	SO520-006-KSW2
Fox Grove Crossing	SO150-001-KSW2
Foxhills Tunnel	SW120-001-KSW3
FRANT	SO170-002-KSW2
Frant TP Hut	SO170-002-KSW2
FRATTON	SO520-017-KSW2, SW110-013-KSW3
Fratton Depot Ground Frame	SO520-017-KSW2
Fratton East	SO520-017-KSW2, SW110-012-KSW3
FRIMLEY	SW260-002-KSW3

Location	Table A - Module
Frimley Crossing	SW260-002-KSW3
Frognall Farm Crossing	SO110-022-KSW2
Frognall TP Hut	SO110-022-KSW2
Frost Lane LC (AHBC)	SW155-003-KSW3
FULWELL	SW190-004-KSW3
Fulwell Jn	SW190-003-KSW3
Fulwell Tunnel	SW190-004-KSW3
Funtington LC (AHBC)	SO520-013-KSW2
Gallachers (UWC)	SW115-002-KSW3
Gascoyne Crossing	SO150-001-KSW2
GATWICK AIRPORT	SO500-017-KSW2
Gatwick Substation	SO500-017-KSW2
George IV Tunnel	SO290-004-KSW2
GILLINGHAM (Dorset)	SW115-009-KSW3
GILLINGHAM (Kent)	SO110-017-KSW2
Gillingham LC	SO110-018-KSW2
Gillingham SB (ET)	SO110-018-KSW2
Gillingham (Dorset) GF	SW115-009-KSW3
Gillingham Substation	SO110-018-KSW2
Gillingham Tunnel	SO110-017-KSW2, SW115-009-KSW3
GIPSY HILL	SO650-003-KSW2
Gloucester Road Jn	SO510-008-KSW2
GLYNDE	SO590-005-KSW2
Glynde Substation	SO590-005-KSW2
GODALMING	SW110-004-KSW3
Godinton Substation	SO140-008-KSW2
Godmersham Substation	SO220-001-KSW2
GODSTONE	SO550-001-KSW2
Godstone Ground Frame	SO550-001-KSW2
Godstone TP Hut	SO550-001-KSW2
GOMSHALL	SO560-002-KSW2, SW300-001-KSW3
Gomshall Ground Frame	SO560-002-KSW2
Gomshall Station F/P	SO560-002-KSW2, SW300-001-KSW3
Gore Top Crossing	SO240-003-KSW2
Goring LC (CCTV)	SO630-006-KSW2
Goring TP Hut	SO630-006-KSW2
GORING-BY-SEA	SO630-006-KSW2
Grain LC	SO320-001-KSW2
Gramshaw Road Crossing	SW115-006-KSW3
GRATELEY	SW115-003-KSW3
Graveney LC (AHBC)	SO110-024-KSW2
Graveney Substation	SO110-024-KSW2
GRAVESEND	SO310-007-KSW2
Gravesend TP Hut	SO310-007-KSW2
Grazeley Green (UWC)	SW125-001-KSW3
Great Lake Farm Substation	SO500-016-KSW2
Great Park (UWC)	SW125-001-KSW3
Green Lane Crossing	SO520-014-KSW2
Green Street TP Hut	SO170-006-KSW2
Greenhill Substation	SO140-001-KSW2
GREENHITHE	SO310-006-KSW2
Greenhithe Tunnel	SO310-006-KSW2
Greenhurst Jn	SO540-003-KSW2

Location	Table A - Module
GREENWICH	SO290-001-KSW2
Greenwich College Tunnel	SO290-002-KSW2
Greenwich Substation	SO290-001-KSW2
Grimston and Frampton	SW175-005-KSW3
Grosvenor Bridge	SO110-002-KSW2, SO500-003-KSW2
Grove Farm No 1 (UWC)	SW115-012-KSW3
Grove Farm No 2 (UWC)	SW115-012-KSW3
Grove Ferry LC (AHBC)	SO220-003-KSW2
Grove Ferry TP Hut	SO220-003-KSW2
Grove Hill Substation	SO170-002-KSW2
Grove Hill Tunnel	SO170-002-KSW2
Grove Jn	SO170-002-KSW2
Grove Lane LC (open)	SO210-001-KSW2
GROVE PARK	SO130-011-KSW2
Grove Park LC (CCTV)	SW230-001-KSW3
Grove Park Substation	SO130-012-KSW2
Grove Road LC (CCTV)	SO600-009-KSW2
Grove Road TP Hut	SO680-003-KSW2
Grove Tunnel	SO260-002-KSW2, SO645-004-KSW2
GUILDFORD	SW110-002-KSW3
Guildford ASC (GD)	SW110-002-KSW3
Guston Substation	SO240-001-KSW2
Guston Tunnel	SO240-001-KSW2
Gypsy Hill TP Hut	SO650-003
HACKBRIDGE	SO680-004-KSW2
Hackhurst Lane BW	SO560-002-KSW2, SW300-001-KSW3
Hadfold No 2 Crossing (R/G)	SO520-005-KSW2
HALLING	SO310-011-KSW2
Halling Ground Frame	SO310-010-KSW2
Halling Substation	SO310-010-KSW2
Halterworth LC (AHBC)	SW130-001-KSW3
HAM STREET	SO600-010-KSW2
HAMBLE	SW140-003-KSW3
Hamble Viaduct	SW140-004-KSW3
HAMPDEN PARK	SO590-008-KSW2
Hampden Park LC (CCTV)	SO590-008-KSW2
HAMPTON	SW190-004-KSW3
HAMPTON COURT	SW195-001-KSW3
Hampton Court Jn	SW105-008-KSW3, SW200-001-KSW3
Hampton Court LC (CCTV)	SW195-001-KSW3
Hampton LC (CCTV)	SW190-004-KSW3
HAMPTON WICK	SW190-002-KSW3
Hamsey LC (AHBC)	SO590-003-KSW2
HAMWORTHY	SW105-043-KSW3
Hamworthy Goods (Stop board)	SW165-001-KSW3
Hamworthy Park LC (AOCL)	SW165-001-KSW3
Hangman's Lane UWC	SO240-001-KSW2
Hardham LC (AHBC)	SO520-006-KSW2
Hardham TP Hut	SO520-006-KSW2
HARRIETSHAM	SO140-007-KSW2
Harrietsham Substation	SO140-007-KSW2

Location	Table A - Module
Hartley Substation	SO110-014-KSW2
Hartlip TP Hut	SO110-019-KSW2
Harveys UWC	SW265-004-KSW3
HASLEMERE	SW110-006-KSW3
Haslemere SB (EW)	SW110-006-KSW3
HASSOCKS	SO500-023-KSW2
Hassocks Substation	SO500-023-KSW2
HASTINGS	SO600-006-KSW2
Hastings SB (EDL)	SO600-006-KSW2
Hastings TP Hut	SO600-006-KSW2
Hastings Tunnel	SO600-005-KSW2
Hatch Path	SW115-008-KSW3
HAVANT	SO520-015-KSW2, SW110-010-KSW3
Havant Jn	SW110-010-KSW3
Havant LC (CCTV)	SO520-015-KSW2, SW110-010-KSW3
Havant SB (HT)	SO520-015-KSW2, SW110-010-KSW3
Havensmouth CCTV	SO600-002-KSW2
Hawden Substation	SO130-018-KSW2
Hawkwood Jn	SO110-011-KSW2
Hay Crossing	SW115-012-KSW3
HAYDONS ROAD	SO700-001-KSW2
Haydons Road TP Hut	SO700-001-KSW2
HAYES	SO330-005-KSW2
Haysden TP Hut	SO550-002-KSW2
Haystacks Crossing	SO600-008-KSW2
HAYWARDS HEATH	SO500-021-KSW2
Haywards Heath Substation	SO500-021-KSW2
Haywards Heath Tunnel	SO500-022-KSW2
HEADCORN	SO130-023-KSW2
Headcorn Substation	SO130-023-KSW2
HEDGE END	SW135-002-KSW3
Hempstead Crossing	SO540-003-KSW2
Henshaw TP Hut	SO550-001-KSW2
HERNE BAY	SO110-025-KSW2
Herne Bay Substation	SO110-025-KSW2
HERNE HILL	SO110-005-KSW2, SO280-005-KSW2
Herne Hill North Jn	SO110-005-KSW2, SO280-005-KSW2
Herne Hill South Jn	SO280-005-KSW2
Herne Hill TP Hut	SO110-005-KSW2
Herringe Substation	SO130-028-KSW2
HERSHAM	SW105-009-KSW3
Hethfelton No 1 Crossing	SW105-045-KSW3
Hethfelton No 2 Crossing	SW105-045-KSW3
HEVER	SO540-001-KSW2
Hever Jn	SO540-001-KSW2
Hewish LC (AHBC)	SW115-012-KSW3
HIGH BROOMS	SO170-001-KSW2
HIGHAM	SO310-009-KSW2
Higham Substation	SO310-009-KSW2
Higham Tunnel	SO310-009-KSW2
Higher Barn UWC	SW105-047-KSW3
HILDENBOROUGH	SO130-018-KSW2
Hildenborough Substation	SO130-018-KSW2

Location	Table A - Module
HILSEA	SO520-017-KSW2, SW110-012-KSW3
HINCHLEY WOOD	SW200-001-KSW3
Hindon Road Crossing	SW170-005-KSW3
HINTON ADMIRAL	SW105-037-KSW3
Hitachi Depot (Access)	SO220-001-KSW2
HITHER GREEN	SO130-009-KSW2
Hither Green Jn	SO130-009-KSW2
Hither Green Substation	SO130-009-KSW2
Hoads Wood Substation	SO130-023-KSW2
Hollands Crossing	SO110-020-KSW2
HOLLINGBOURNE	SO140-006-KSW2
Hollingbourne Substation	SO140-006-KSW2
Holme (No 31) LC (MCB-OD)	SW105-045-KSW3
Holmethorpe Substation	SO500-013-KSW2
HOLMWOOD	SO680-009-KSW2
Holmwood TP Hut	SO680-009-KSW2
HOLTON HEATH	SW105-044-KSW3
HONITON	SW115-014-KSW3
Honiton Tunnel	SW115-013-KSW3
HONOR OAK PARK	SO510-004-KSW2
Hoo Jn	SO310-008-KSW2, SO320-001-KSW2
HOO JN STAFF HALT (DOWN)	SO310-008-KSW2
HOO JN STAFF HALT (UP)	SO310-008-KSW2
Hooe Level TP Hut	SO600-001-KSW2
HOOK	SW105-016-KSW3
Hoplands Farm Crossing	SO220-003-KSW2
Hoppity Tunnel	SO660-004-KSW2
HORLEY	SO500-016-KSW2
HORSHAM	SO520-003-KSW2
HORSHAM	SW180-008-KSW3
Horsham Road LC (CCTV)	SO520-001-KSW2
Horsham Substation	SO520-003-KSW2
HORSLEY	SW200-003-KSW3
Horton UWC	SO220-002-KSW2
Hothfield Sidings	SO140-008-KSW2
HOUNSLOW	SW230-003-KSW3
Hounslow Jn	SW230-004-KSW3
HOVE	SO630-001-KSW2
Hove Jn	SO630-001-KSW2
Hove Substation	SO630-001-KSW2
Hove Tunnel	SO630-001-KSW2
Howfield TP Hut	SO160-002-KSW2
Hunter (UWC)	SW175-004-KSW3
Hunts Path No 1 Crossing	SW115-009-KSW3
Hunts Path No 2 Crossing	SW115-009-KSW3
Hurdcott Lodge LC (R/G)	SW115-007-KSW3
HURST GREEN	SO530-003-KSW2
Hurst Green Jn	SO530-003-KSW2
Hurst Green TP Hut	SO530-003-KSW2
Hutchings Crossing	SO520-008-KSW2, SO630-008-KSW2
Hyde (UWC)	SW175-005-KSW3

Location	Table A - Module
Hyford UWC	SW105-046-KSW3
IFIELD	SO520-001-KSW2
Ifield Substation	SO520-001-KSW2
IMPERIAL WHARF	SO250-005-KSW2
Inlands Road LC (AHBC)	SO520-014-KSW2
International Jn	SW100-002-KSW3
ISLEWORTH	SW230-003-KSW3
Itford LC (R/G)	SO620-005-KSW2
Jacobs Gutter Lane LC (AHBC)	SW155-001-KSW3
Jenkins Hill Crossing	SW260-001-KSW3
KEARSNEY	SO160-005-KSW2
Kearsney Substation	SO160-005-KSW2
Kemps Farm Crossing	SO590-002-KSW2
KEMPTON PARK	SW190-004-KSW3
KEMSING	SO140-003-KSW2
KEMSLEY	SO150-001-KSW2
Kemsley Substation	SO150-001-KSW2
Kenardington LC (AHBC)	SO600-010-KSW2
KENLEY	SO660-001-KSW2
Kenley TP Hut	SO660-001-KSW2
Kennington TP Hut	SO220-001-KSW2
KENSINGTON OLYMPIA	SO250-006-KSW2
KENSINGTON OLYMPIA	SW220-002-KSW3
Kensington Olympia Substation	SO250-006-KSW2
KENT HOUSE	SO110-007-KSW2
KEW BRIDGE	SW230-002-KSW3
Keymer Jn	SO500-022-KSW2
Keymer Jn Substation	SO500-022-KSW2
Keymer LC (CCTV)	SO590-001-KSW2
Keysworth Crossing	SW105-044-KSW3
KIDBROOKE	SO300-002-KSW2
Kidbrooke Tunnel	SO300-001-KSW2
Kilnwood Crossing	SO520-002-KSW2
Kimbridge LC (AHBC)	SW150-002-KSW3
King Street LC (open)	SO210-001-KSW2
Kings Court F/P Crossing	SW115-009-KSW3
Kings Fernsden LC (AHBC)	SW110-007-KSW3
Kingsferry Bridge	SO150-002-KSW2
Kingsfold Cross	SW180-007-KSW3
Kingsfold Substation	SO680-009-KSW2, SW180-007-KSW3
KINGSTON	SW190-002-KSW3
Kingston Tunnel	SO620-003-KSW2
KINGSWOOD	SO660-003-KSW2
Kingswood Substation	SO660-003-KSW2
Kingswood Tunnel	SO660-003-KSW2
Knight s Hill Tunnel	SO680-002-KSW2
Knighton (No 38A) Crossing	SW105-048-KSW3
KNOCKHOLT	SO130-016-KSW2
Knockholt Substation	SO130-016-KSW2
Ladyell Jn	SO330-002-KSW2
LADYWELL	SO330-002-KSW2
Lake Lane Crossing	SO520-010-KSW2
LANCING	SO630-003-KSW2

Location	Table A - Module
Lancing LC (CCTV)	SO630-003-KSW2
Lancing SB (LG)	SO630-003-KSW2
Lancing Substation	SO630-004-KSW2
Langmeads No 1 Crossing	SO630-006-KSW2
Laslett UWC	SO240-003-KSW2
Latchmere Jn No 1	SO250-004-KSW2, SW220-001-KSW3
Latchmere Jn No 2	SO250-005-KSW2, SW220-001-KSW3
Latchmere Jn No 3	SO250-004-KSW2, SW220-001-KSW3
Latchmere TP Hut	SO250-004-KSW2
Laverstock North Jn	SW115-003-KSW3
Laverstock South Jn	SW150-004-KSW3
LEATHERHEAD	SO680-007-KSW2, SW180-004-KSW3
Leatherhead Substation	SO680-007-KSW2
LEC (Cox s) Crossing	SO640-001-KSW2
LEE	SO310-002-KSW2
Lee Loop Jn	SO310-001-KSW2
Lee Spur Jn	SO130-009-KSW2
Lee TP Hut	SO310-002-KSW2
LEIGH	SO550-002-KSW2
Leigh Substation	SO550-002-KSW2
Leigham Court Tunnel	SO650-002-KSW2
Leigham Jn	SO650-002-KSW2
Leigham Tunnel	SO680-003-KSW2
LENHAM	SO140-007-KSW2
Lenham Substation	SO140-007-KSW2
Lenthay Crossing	SW115-011-KSW3
Lewell (No 39) Crossing	SW105-048-KSW3
LEWES	SO590-003-KSW2, SO620-003-KSW2
Lewes Ground Frame	SO620-003-KSW2
Lewes SB (LW)	SO590-003-KSW2, SO620-003-KSW2
Lewes Substation	SO590-003-KSW2, SO620-003-KSW2
Lewes Tunnel	SO590-003-KSW2
LEWISHAM	SO330-001-KSW2
Lewisham Substation	SO330-001-KSW2
Lewisham Vale Jn	SO330-001-KSW2
Limpsfield Tunnel	SO530-002-KSW2
Linford Street Jn	SO110-002-KSW2
Linford Street TP Hut	SO110-002-KSW2
LINGFIELD	SO530-003-KSW2
Lingfield Ground Frame	SO530-003-KSW2
Lingfield TP Hut	SO530-003-KSW2
LIPHOOK	SW110-006-KSW3
LISS	SW110-007-KSW3
Liss Common LC (AHBC)	SW110-006-KSW3
Liss LC (CCTV)	SW110-007-KSW3
Litchfield Tunnel	SW105-020-KSW3
Little Barton TP Hut	SO160-003-KSW2
Little Bullsdown Crossing	SO560-002-KSW2
Little Preston Crossing	SO310-012-KSW2
Littlebrook TP Hut	SO310-006-KSW2
Littlebrowns Substation	SO550-001-KSW2
LITTLEHAMPTON	SO630-009-KSW2
Littlehampton Jn	SO630-009-KSW2
Littlehampton SB (LH)	SO630-009-KSW2

Location	Table A - Module
Littlehampton Substation	SO630-009-KSW2
LITTLEHAVEN	SO520-002-KSW2
LONDON BRIDGE	SO130-005-KSW2, SO510-001-KSW2
London Bridge SB (L)	SO130-005-KSW2, SO510-001-KSW2
London Bridge TP Hut	SO130-005-KSW2, SO510-001-KSW2
LONDON ROAD	SO620-001-KSW2, SW200-004-KSW3
London Road Viaduct	SO620-001-KSW2
Long Salts Crossing	SO240-004-KSW2
LONGCROSS	SW210-009-KSW3
LONGFIELD	SO110-014-KSW2
Longhedge Jn	SO250-003-KSW2
Loover Barn Crossing	SO590-005-KSW2
Loughborough Jn	SO280-004-KSW2, SO645-004-KSW2
LOUGHBOROUGH JN	SO280-004-KSW2
Loughborough Substation	SO280-004-KSW2
Lower Barn No 1 Crossing	SO590-005-KSW2
Lower Bush Substation	SO110-015-KSW2
LOWER SYDENHAM	SO330-003-KSW2
Luddenham TP Hut	SO110-022-KSW2
Ludgate Cellars Substation	SO280-001-KSW2
Ludgershall	SW115-002-KSW3
Lullingstone Substation	SO140-001-KSW2
Luton Arch TP Hut	SO110-017-KSW2
Lydd Town LC (TMO)	SO210-001-KSW2
Lydden TP Hut	SO160-005-KSW2
Lydden Tunnel	SO160-004-KSW2
LYMINGTON PIER	SW160-002-KSW3
Lymington Pier (Sealink) Crossing	SW160-002-KSW3
LYMINGTON TOWN	SW160-002-KSW3
Lymington Town LC (CCTV)	SW160-002-KSW3
Lyminster LC (CCTV)	SO630-008-KSW2
MAIDEN NEWTON	SW175-004-KSW3
MAIDSTONE BARRACKS	SO310-013-KSW2
MAIDSTONE EAST	SO140-005-KSW2
Maidstone East SB (ME)	SO140-005-KSW2
Maidstone Substation	SO140-005-KSW2, SO310-013-KSW2
MAIDSTONE WEST	SO310-014-KSW2
Maidstone West SB (MS)	SO310-014-KSW2
Mair No 2 (Accom)	SO600-009-KSW2
Malden Crossing LC (CCTV)	SW190-001-KSW3
MALDEN MANOR	SW185-001-KSW3
MARCHWOOD	SW155-002-KSW3
Marchwood SB (MW) LC	SW155-002-KSW3
MARDEN	SO130-022-KSW2
Marden Substation	SO130-022-KSW2
MARGATE	SO110-026-KSW2
Margate TP Hut	SO110-026-KSW2
Maritime Freightliner Terminal	SW105-031-KSW3
Mark Beech Tunnel	SO540-001-KSW2
Marlands Substation	SO520-004-KSW2
Marley Lane LC (CCTV)	SO170-006-KSW2
Marshwood Farm No 2 Crossing	SW115-012-KSW3
Martello Tunnel	SO130-033-KSW2

Location	Table A - Module
Martin Hill TP Hut	SO240-001-KSW2
MARTIN MILL	SO240-001-KSW2
MARTINS HERON	SW210-011-KSW3
Mays LC (CCTV)	SW250-002-KSW3
MAZE HILL	SO290-002-KSW2
McDougall Crossing	SO180-002-KSW2
Meads Farm Crossing	SW175-003-KSW3
Medhurst Row Crossing (R/G)	SO550-002-KSW2
Medhurst Row Substation	SO550-002-KSW2
MEOPHAM	SO110-014-KSW2
Meopham Substation	SO110-014-KSW2
Merrals Shaw TP Hut	SO110-015-KSW2
Merrick No 2 (Accom)	SO600-009-KSW2
Merrick No 3 (Accom)	SO600-009-KSW2
MERSTHAM	SO500-013-KSW2
Merstham Substation	SO500-012-KSW2, SO500-013-KSW2
Merstham Tunnel	SO500-013-KSW2
Metropolitan Jn	SO130-004-KSW2
MICHELDEVER	SW105-020-KSW3
Micheldever Oil Terminal	SW105-020-KSW3
Mickleham F/P Crossing	SW180-005-KSW3
Mickleham TP Hut	SO680-008-KSW2
Mickleham Tunnel	SO680-007-KSW2, SW180-005-KSW3
Middle Jn	SO110-020-KSW2, SO150-001-KSW2
Middle LC	SO240-002-KSW2
Middle Road Crossing	SW170-005-KSW3
Middle Stoke LC	SO320-001-KSW2
Midley LC (open)	SO210-001-KSW2
Mile Drove Crossing	SO220-003-KSW2
MILFORD	SW110-005-KSW3
Milford LC (AHBC)	SW110-005-KSW3
Mill Hall Crossing	SO310-012-KSW2
Mill Path (Footpath)	SW115-008-KSW3
MILLBROOK	SW105-030-KSW3
Millstead Crossing	SO180-002-KSW2
Milton Court Crossing	SO560-002-KSW2
Milton TP Hut	SO220-002-KSW2
Minnis Bay Substation	SO110-025-KSW2
MINSTER	SO220-004-KSW2
Minster East Jn	SO220-004-KSW2
Minster LC (R/G)	SO220-004-KSW2
Minster SB (EBE)	SO220-004-KSW2
Minster South Jn	SO240-004-KSW2
Minster Substation	SO220-004-KSW2
MITCHAM EASTFIELDS	SO680-004-KSW2
MITCHAM JN	SO680-004-KSW2
Mitcham Jn Substation	SO680-004-KSW2
Mitre Bridge Jn	SO250-007-KSW2
Mitre Bridge LC (CCTV)	SO250-007-KSW2
Monkton Court Crossing	SO220-003-KSW2
Monkton TP Hut	SO220-003-KSW2
Montpelier Jn	SO500-026-KSW2
MORDEN SOUTH	SO700-003-KSW2
Morden South TP Hut	SO700-003-KSW2

Location	Table A - Module
MORETON	SW105-047-KSW3
Moreton LC (AHBC)	SW105-047-KSW3
Morns Farm No 2 Crossing	SW115-007-KSW3
MORTIMER	SW125-001-KSW3
MORTLAKE	SW210-003-KSW3
Mortlake LC (CCTV)	SW210-003-KSW3
Mote Park Substation	SO140-006-KSW2
MOTSPUR PARK	SW180-001-KSW3
Motspur Park LC (CCTV)	SW180-001-KSW3
MOTTINGHAM	SO310-002-KSW2
MOULSECOOMB	SO620-002-KSW2
Mount Pleasant LC (CCTV)	SW105-027-KSW3
Mount Pleasant Tunnel	SO600-007-KSW2
Mount Street Tunnel	SO290-003-KSW2
Mountain LC (open)	SO210-001-KSW2
Mountfield Sidings Ground Frame	SO170-006-KSW2
Mountfield Substation	SO170-006-KSW2
Mountfield Tunnel	SO170-005-KSW2
NETLEY	SW140-003-KSW3
NEW BECKENHAM	SO330-004-KSW2
New Beckenham Substation	SO110-008-KSW2, SO330-004-KSW2
New Bridge Lane (F/P)	SO130-023-KSW2
NEW CROSS	SO130-007-KSW2
NEW CROSS GATE	SO510-004-KSW2
New Cross Gate TP Hut	SO510-003-KSW2
New Cross TP Hut	SO130-007-KSW2
NEW ELTHAM	SO310-002-KSW2
New Eltham Substation	SO310-002-KSW2
New Fishbourne LC (AHBC)	SO520-013-KSW2
NEW HYTHE	SO310-012-KSW2
New Hythe Substation	SO310-012-KSW2
New Kew Jn	SW230-002-KSW3
NEW MALDEN	SW105-006-KSW3
NEW MILTON	SW105-037-KSW3
New Place F/P	SO520-006-KSW2
Newhaven Habour SB (NH)	SO620-006-KSW2
NEWHAVEN HARBOUR	SO620-006-KSW2
Newhaven Harbour LC (RC)	SO620-006-KSW2
NEWHAVEN MARINE	SO620-006-KSW2
Newhaven Substation	SO620-006-KSW2
NEWHAVEN TOWN	SO620-006-KSW2
Newhaven Town Level Crossing	SO620-006-KSW2
Newhaven Town SB (CCO)	SO620-006-KSW2
NEWINGTON	SO110-019-KSW2
Newington Substation	SO110-020-KSW2
Nine Elms Jn	SO110-002-KSW2, SW100-004-KSW3
Noahs Ark Substation	SO140-003-KSW2
NORBITON	SW190-001-KSW3
NORBURY	SO500-006-KSW2
NORMANS BAY	SO600-002-KSW2
Normans Bay Substation	SO600-002-KSW2
NORTH CAMP	SW265-003-KSW3
North Camp LC (CCTV)	SW265-003-KSW3
NORTH DULWICH	SO680-002-KSW2

Location	Table A - Module
North Halling Crossing	SO310-010-KSW2
North Kent East Jn	SO130-007-KSW2
North Pole Jn	SO250-007-KSW2
North Pole Substation	SO250-007-KSW2
NORTH SHEEN	SW210-003-KSW3
North Sheen LC (CCTV)	SW210-003-KSW3
North Stoke Tunnel	SO520-007-KSW2
Northam Jn	SW105-027-KSW3
Northcote 2 Crossing	SW115-014-KSW3
NORTHFLEET	SO310-006-KSW2
Northfleet Substation	SO310-006-KSW2
Northwall LC (R/G)	SO240-002-KSW2
Norway Lane Crossing	SO630-007-KSW2
Norwood Down Yard	SO510-008-KSW2
Norwood Fork Jn	SO510-008-KSW2
NORWOOD JN	SO510-007-KSW2
Norwood Jn Substation	SO510-006-KSW2
Norwood Jn TP Hut	SO650-004-KSW2
NUNHEAD	SO260-003-KSW2
Nunhead Jn	SO260-003-KSW2
Nunhead Substation	SO260-003-KSW2
NUTBOURNE	SO520-014-KSW2
Nutbourne LC (AHBC)	SO520-014-KSW2
Nutbourne Substation	SO520-014-KSW2
NUTFIELD	SO550-001-KSW2
Oakhill Substation	SO130-018-KSW2
Oakmead Crossing	SW210-007-KSW3
OCC Xing	SO140-001-KSW2
OCKLEY	SO680-009-KSW2, SW180-006-KSW3
Ockley Substation	SO680-009-KSW2
Odd Lane (UWC)	SW125-001-KSW3
Offham Crossing	SO520-007-KSW2
Offham TP Hut	SO590-003-KSW2
Old Hay Crossing	SO130-022-KSW2
Old Kent Road Jn	SO680-001-KSW2
Old Kew Jn	SW230-002-KSW3
Oldbury Substation	SO140-003-KSW2
ORE	SO600-007-KSW2
Ore Substation	SO600-007-KSW2
Ore Tunnel	SO600-008-KSW2
Ore Up Siding	SO600-007-KSW2
ORPINGTON	SO130-015-KSW2
Orpington Substation	SO130-015-KSW2
OTFORD	SO140-002-KSW2
Otford Ground Frame	SO140-002-KSW2
Otford Jn	SO140-002-KSW2
Otford Jn Substation	SO140-002-KSW2
Ouse Valley Substation	SO500-020-KSW2
Ouse Valley Viaduct	SO500-020-KSW2
Outwood Lane TP Hut	SO660-003-KSW2
OVERTON	SW115-001-KSW3
Oving Crossing	SO520-011-KSW2
Oving Occupation	SO520-012-KSW2
Oxford Road Jn	SW210-016-KSW3

Location	Table A - Module
OXSHOTT	SW200-002-KSW3
OXTED	SO530-002-KSW2
Oxted SB (OD)	SO530-002-KSW2
Oxted Substation	SO530-002-KSW2
Oxted Tunnel	SO530-002-KSW2
PADDOCK WOOD	SO130-021-KSW2
Paddock Wood Substation	SO130-021-KSW2
Pangdean Substation	SO500-023-KSW2
Park Lane Crossing	SO520-011-KSW2
Parks Bridge Jn	SO130-008-KSW2
PARKSTONE	SW105-041-KSW3
Parlour Gates (UWC)	SW115-001-KSW3
Parsonage Road Crossing (AHBC)	SO520-002-KSW2
Parthings TP Hut	SO520-004-KSW2
Patcham Tunnel	SO500-023-KSW2
Pear Tree (Accom)	SO600-009-KSW2
PECKHAM RYE	SO260-003-KSW2, SO645-005-KSW2, SO680-001-KSW2
Peckham Rye Jn	SO645-005-KSW2, SO680-001-KSW2
Peckham Rye TP Hut	SO260-003-KSW2, SO680-001-KSW2
Peeble Lane Crossing	SO110-015-KSW2
PENGE EAST	SO110-006-KSW2
Penge Substation	SO510-005-KSW2
Penge Tunnel	SO110-006-KSW2
PENGE WEST	SO510-006-KSW2
Penny Lane	SO520-014-KSW2
PENSHURST	SO550-002-KSW2
Penshurst TP Hut	SO550-002-KSW2
Penshurst Tunnel	SO550-002-KSW2
Peppering Crossing	SO520-007-KSW2
Perry Street Fork Jn	SO300-003-KSW2
PETERSFIELD	SW110-008-KSW3
Petersfield LC (PF)	SW110-008-KSW3
Petersfield SB (PF)	SW110-008-KSW3
PETTS WOOD	SO130-014-KSW2
Petts Wood Jn Fast Loop	SO110-011-KSW2, SO130-014-KSW2
Petts Wood Jn Slow Loop	SO110-011-KSW2, SO130-014-KSW2
Petts Wood TP Hut	SO130-014-KSW2
PEVENSEY & WESTHAM	SO600-001-KSW2
Pevensey & Westham SB (CCV)	SO600-001-KSW2
PEVENSEY BAY	SO600-001-KSW2
Pevensey (MCB-OD)	SO600-001-KSW2
Pevensey Sluice LC (AHBC)	SO600-002-KSW2
Pevensey Substation	SO600-001-KSW2
Piddinghoe TP Hut	SO620-006-KSW2
PINHOE	SW115-016-KSW3
Pinhoe LC (CCTV)	SW115-016-KSW3
Pirbright Jn	SW105-014-KSW3, SW120-001-KSW3
PLUCKLEY	SO130-023-KSW2
Pluckley Substation	SO130-023-KSW2
PLUMPTON	SO590-002-KSW2
Plumpton Gate Box Ground Frame	SO590-002-KSW2
Plumpton LC	SO590-002-KSW2
Plumpton Substation	SO590-002-KSW2

Location	Table A - Module
PLUMSTEAD	SO290-006-KSW2
Plumstead Substation	SO290-006-KSW2
Point Pleasant Jn	SW210-001-KSW3
POKESDOWN	SW105-038-KSW3
POLEGATE	SO590-007-KSW2
Polegate Crossing LC (MCB-OD)	SO590-007-KSW2
Polegate East TP Hut	SO590-008-KSW2
Polhill Substation	SO130-016-KSW2
Polhill Tunnel	SO130-016-KSW2
Polyapes (UWC)	SW200-002-KSW3
POOLE	SW105-042-KSW3
Poole High Street LC (CCTV)	SW105-042-KSW3
Pooley Green LC (CCTV)	SW210-008-KSW3
Popham No 1 Tunnel	SW105-020-KSW3
Popham No 2 Tunnel	SW105-020-KSW3
Port Farm Crossing	SO220-003-KSW2
PORTCHESTER	SW140-007-KSW3
Portcreek Jn	SO520-016-KSW2, SW110-011-KSW3
Portfield Ground Frames	SO520-012-KSW2
PORTSLADE	SO630-002-KSW2
Portslade LC (CCTV)	SO630-002-KSW2
Portslade Substation	SO630-002-KSW2
PORTSMOUTH & SOUTHSEA	SO520-018-KSW2, SW110-014-KSW3
PORTSMOUTH HARBOUR	SO520-019-KSW2, SW110-015-KSW3
Postern Substation	SO130-020-KSW2
Potters Corner Substation	SO140-008-KSW2
Pottery F/P Crossing	SO520-014-KSW2
Pound Lane Crossing	SW175-003-KSW3
Poundbury Tunnel	SW175-005-KSW3
Pouparts Jn	SO500-004-KSW2
Pratts Lower Crossing (R/G)	SO520-004-KSW2
PRESTON PARK	SO500-024-KSW2
Preston Park Jn	SO500-025-KSW2
Preston Park Substation	SO500-023-KSW2
Princes Bridge LC (AHBC)	SW110-007-KSW3
PULBOROUGH	SO520-006-KSW2
Pumpfield Farm (R/G)	SW155-002-KSW3
PURLEY	SO500-010-KSW2
PURLEY OAKS	SO500-010-KSW2
Purley Oaks TP Hut	SO500-010-KSW2
Purley Substation	SO500-010-KSW2, SO660-001-KSW2, SO660-002-KSW2
PUTNEY	SW210-002-KSW3
Quarry Tunnel	SO500-012-KSW2
Quay Viaduct	SW140-006-KSW3
QUEEN S ROAD PECKHAM	SO680-001-KSW2
Queen s Road Substation "B"	SO500-003-KSW2
QUEENBOROUGH	SO150-002-KSW2
Queenborough Substation	SO150-002-KSW2
QUEENSTOWN ROAD (BATTERSEA)	SW100-005-KSW3
Quidhampton Siding	SW115-006-KSW3

Location	Table A - Module
RAINHAM	SO110-019-KSW2
Rainham SB (EU)	SO110-019-KSW2
Rainham Substation	SO110-019-KSW2
RAMSGATE	SO110-028-KSW2
Ramsgate Substation	SO110-028-KSW2
RAVENSBOURNE	SO260-005-KSW2
RAYNES PARK	SW105-005-KSW3
READING	SW210-014-KSW3
Reading SB (R)	SW210-014-KSW3
Reading Spur Jn	SW210-013-KSW3
READING WEST	SW210-016-KSW3
Recreation LC	SO320-001-KSW2
Reculver Substation	SO110-025-KSW2
Red Cow LC (CCTV)	SW115-019-KSW3
REDBRIDGE	SW105-032-KSW3
Redbridge TP Hut	SO500-020-KSW2
REDHILL	SO500-014-KSW2
Redhill Feeder Hut	SO560-001-KSW2
Redhill Lines	SO500-015-KSW2
Redhill Substation	SO500-012-KSW2
Redhill Substation "A"	SO500-014-KSW2
Redhill Tunnel	SO500-012-KSW2
REEDHAM	SO660-002-KSW2
REIGATE	SO560-001-KSW2
Reigate Feeder Hut	SO500-014-KSW2
Reigate LC	SO560-001-KSW2
Reigate SB (RG)	SO560-001-KSW2
Richborough Castle Crossing	SO240-004-KSW2
Richborough LC (AHBC)	SO240-004-KSW2
Richborough TP Hut	SO240-004-KSW2
RICHMOND	SW210-003-KSW3
Ridden s Lane Crossing	SO590-002-KSW2
RIDDLESDOWN	SO530-001-KSW2
Riddlesdown TP Hut	SO530-001-KSW2
Riddlesdown Tunnel	SO530-001-KSW2
Ridham Siding	SO150-001-KSW2
Ripe LC (AHBC)	SO590-006-KSW2
Riverhall LC (CCTV)	SO170-006-KSW2
Riverhill TP Hut	SO130-018-KSW2
ROBERTSBRIDGE	SO170-005-KSW2
Robertsbridge Engineers Ground Frame	SO170-005-KSW2
Robertsbridge LC	SO170-005-KSW2
Robertsbridge SB (RB)	SO170-005-KSW2
Robertsbridge TP Hut	SO170-005-KSW2
ROCHESTER	SO110-016-KSW2
Rochester Bridge Jn	SO110-015-KSW2
Rochester SB (ER)	SO110-016-KSW2
Rochester TP Hut	SO110-016-KSW2
Roedale TP Hut	SO620-002-KSW2
Roffey Road Crossing (AHBC)	SO520-002-KSW2
Roffey Road Substation	SO520-002-KSW2
ROMSEY	SW150-001-KSW3

Location	Table A - Module
Rosier No 2 Crossing	SO520-005-KSW2
Rough Crossing	SO220-004-KSW2
Roundstone LC (CCTV)	SO630-007-KSW2
ROWLANDS CASTLE	SW110-009-KSW3
Rusham LC (AHBC)	SW210-008-KSW3
Rushton No 2 LC (R/G)	SW105-045-KSW3
Rusper Road Crossing	SO520-002-KSW2
RYE	SO600-009-KSW2
Rye SB (RY)	SO600-009-KSW2
Sack Lane Crossing	SO640-001-KSW2
SALFORDS	SO500-016-KSW2
Salfords Substation	SO500-016-KSW2
SALISBURY	SW115-005-KSW3
Salisbury SB (SY)	SW115-005-KSW3
Salisbury Tunnel Jn	SW115-004-KSW3
Saltwood Jn	SO130-030-KSW2
Saltwood Tunnel	SO130-029-KSW2
SANDERSTEAD	SO530-001-KSW2
SANDHURST	SW265-004-KSW3
SANDLING	SO130-029-KSW2
Sandling Substation	SO130-029-KSW2
Sandling Tunnel	SO130-029-KSW2
SANDWICH	SO240-003-KSW2
Sandwich LC	SO240-003-KSW2
Sandwich SB (SW)	SO240-003-KSW2
Sandwich Substation	SO240-004-KSW2
Sarre Bridge Crossing	SO220-003-KSW2
Sarre Substation	SO220-003-KSW2
School Road LC	SW155-003-KSW3
SEAFORD	SO620-007-KSW2
Seal Crossing	SO140-002-KSW2
Seasalter TP Hut	SO110-024-KSW2
Seldown Jn	SW105-041-KSW3
SELHURST	SO500-007-KSW2
Selhurst Depot	SO510-008-KSW2
Selhurst Jn	SO500-008-KSW2
Selhurst Substation	SO510-008-KSW2
Selhurst Substation "A"	SO500-008-KSW2
SELLING	SO160-001-KSW2
Selling Substation	SO160-001-KSW2
Selling Tunnel	SO160-001-KSW2
Selmeston LC (AHBC)	SO590-006-KSW2
Selmeston Substation	SO590-006-KSW2
Selsdon Road Jn	SO530-001-KSW2
Selve Substation	SO140-007-KSW2
SEVENOAKS	SO130-017-KSW2
Sevenoaks Substation	SO130-017-KSW2
Sevenoaks Tunnel	SO130-018-KSW2
Sevenscore LC (AHBC)	SO220-004-KSW2
Sevington Substation	SO130-028-KSW2
Shacklegate Jn	SW190-003-KSW3
Shakespeare TP Hut	SO130-034-KSW2
Shakespeare Tunnel	SO130-034-KSW2
SHALFORD	SW300-002-KSW3
Shalford Jn	SW110-003-KSW3

Location	Table A - Module
Shalmsford Street UWC	SO220-001-KSW2
SHAWFORD	SW105-023-KSW3
Sheerness Dockyard	SO150-003-KSW2
SHEERNESS-ON-SEA	SO150-003-KSW2
Sheet LC (AHBC)	SW110-007-KSW3
SHEPHERDS BUSH	SO250-007-KSW2
Shepherds Hill Substation	SO500-013-KSW2
Shepherds Lane Jn	SO110-004-KSW2, SO645-003-KSW2
SHEPHERDS WELL	SO160-004-KSW2
Shepherds Well Substation	SO160-004-KSW2
SHEPPERTON	SW190-005-KSW3
SHERBORNE	SW115-011-KSW3
Sherborne LC (CCTV)	SW115-010-KSW3
Shere Heath LC	SO560-002-KSW2, SW300-001-KSW3
Sheriffs Court Crossing	SO220-003-KSW2
Sherrington Crossing	SW170-004-KSW3
Sherrington F/P Crossing	SW170-004-KSW3
SHOLING	SW140-002-KSW3
SHOREHAM	SO140-001-KSW2
Shoreham East LC (CCTV)	SO630-003-KSW2
Shoreham Ground Frame	SO630-003-KSW2
Shoreham Substation	SO630-003-KSW2
SHOREHAM-BY-SEA	SO630-003-KSW2
Shoreham-by-Sea LC (CCTV)	SO630-003-KSW2
Shorncliffe TP Hut	SO130-032-KSW2
Shornmead Crossing	SO310-008-KSW2
SHORTLANDS	SO110-009-KSW2
Shortlands Jn	SO110-009-KSW2
Shortlands Substation	SO110-009-KSW2, SO260-005-KSW2
SIDCUP	SO310-002-KSW2
Sidcup TP Hut	SO310-002-KSW2
Sin Green UWC	SO240-003-KSW2
SITTINGBOURNE	SO110-021-KSW2
Sittingbourne SB (EV)	SO110-021-KSW2
Sittingbourne Substation	SO110-021-KSW2
SLADE GREEN	SO290-008-KSW2
Slade Green Jn	SO290-008-KSW2
Slade Green Substation	SO290-008-KSW2
Slymlakes Crossing	SW115-013-KSW3
Smeeth Substation	SO130-028-KSW2
Smitham TP Hut	SO660-002-KSW2
Smithfields Sidings	SO280-001-KSW2
Smiths Crossing	SW210-011-KSW3
Snailham (Accom)	SO600-009-KSW2
Snape TP Hut	SO170-003-KSW2
Snargate	SO210-001-KSW2
Snarkhurst Wood Substation	SO140-006-KSW2
SNODLAND	SO310-011-KSW2
Snodland LC (CCTV)	SO310-011-KSW2
Snodland TP Hut	SO310-011-KSW2
Snow Hill Tunnel (North Portal)	SO280-001-KSW2
Snow Hill Tunnel (South Portal)	SO280-001-KSW2

Location	Table A - Module
SNOWDOWN	SO160-003-KSW2
Snowdown TP Hut	SO160-003-KSW2
SOLE STREET	SO110-015-KSW2
Somerhill Tunnel	SO170-001-KSW2
SOUTH BERMONDSEY	SO680-001-KSW2
South Bermondsey Jn	SO510-002-KSW2
South Bermondsey Substation	SO130-006-KSW2, SO510-002-KSW2
SOUTH CROYDON	SO500-010-KSW2
South Croydon Jn	SO500-010-KSW2
South Croydon Substation	SO500-010-KSW2
South Marsh Crossing	SO150-002-KSW2
SOUTH MERTON	SO700-003-KSW2
South Siding	SW100-001-KSW3
South Stoke South Crossing	SO520-007-KSW2
South Stoke Substation	SO520-007-KSW2
SOUTHAMPTON CENTRAL	SW105-028-KSW3
SOUTHAMPTON AIRPORT (PARKWAY)	SW105-025-KSW3
Southampton Tunnel	SW105-028-KSW3
Southborough TP Hut	SO170-001-KSW2
SOUTHBOURNE	SO520-014-KSW2
Southbourne LC (CCTV)	SO520-014-KSW2
Southcote Jn	SW125-001-KSW3, SW210-016-KSW3
SOUTHEASE	SO620-005-KSW2
Southease Substation	SO620-005-KSW2
Southerham Crossing	SO590-004-KSW2, SO620-004-KSW2
Southerham Jn	SO590-004-KSW2, SO620-004-KSW2
Southerham TP Hut	SO590-004-KSW2, SO620-004-KSW2
SOUTHFIELDS	SW225-002-KSW3
Southwark Bridge Jn	SO280-003-KSW2
Southwark Substation	SO130-004-KSW2, SO280-002-KSW2
SOUTHWICK	SO630-003-KSW2
Spa Road	SO130-006-KSW2, SO510-002-KSW2
Sparrows Bridge UWC	SO220-001-KSW2
Spatham Lane LC (AHBC)	SO590-001-KSW2
Spring Grove Crossing	SO220-001-KSW2
Springhead Road Jn Down	SO310-006-KSW2
Springhead Road Jn Up	SO310-006-KSW2
St Anns Crossing	SO110-022-KSW2
St Catherine s Tunnel	SW110-003-KSW3
St Cross Tunnel	SW105-022-KSW3
ST DENYS	SW105-026-KSW3
St Dunstans LC (CCTV)	SO220-002-KSW2
ST HELIER	SO700-004-KSW2
St Helier Ground Frame	SO700-004-KSW2
St Helier Substation	SO700-004-KSW2
ST JAMES PARK	SW115-017-KSW3
ST JOHNS	SO130-008-KSW2
St Lawrence Substation	SO110-028-KSW2
ST LEONARDS WARRIOR SQUARE	SO600-005-KSW2
ST MARGARETS	SW210-004-KSW3
ST MARY CRAY	SO110-012-KSW2
St Mary Cray Down Jn	SO110-011-KSW2
St Mary Cray Substation	SO110-012-KSW2

Location	Table A - Module
St Mary Cray Up Jn	SO110-012-KSW2
St Stephens LC (CCTV)	SO220-002-KSW2
STAINES	SW210-007-KSW3
STAPLEHURST	SO130-022-KSW2
Staplehurst Substation	SO130-022-KSW2
Star Lane LC (CCTV)	SW210-011-KSW3
Star Lane Substation	SO500-011-KSW2
Star LC (AHBC)	SO600-009-KSW2
Station Road LC	SO110-019-KSW2, SO520-005-KSW2
Sterte Road Jn	SW105-042-KSW3
Stewarts Lane	SO250-002-KSW2
Stewarts Lane Jn	SO110-003-KSW2, SO250-002-KSW2
Stoats Nest Jn	SO500-011-KSW2
Stockbridge Road LC (CCTV)	SO520-012-KSW2
Stockton Crossing	SW170-005-KSW3
Stoke Creek LC	SO320-001-KSW2
Stoke LC (Dorset) (CCTV)	SW105-045-KSW3
Stoke LC (ABCL)	SO320-001-KSW2
Stone Cross TP Hut	SO600-001-KSW2
STONE CROSSING	SO310-006-KSW2
Stone Crossing Substation	SO310-006-KSW2
Stone LC	SO310-006-KSW2
Stone LC (AHBC)	SO110-022-KSW2
Stonebridge TP Hut	SO680-009-KSW2, SW180-006-KSW3
STONEGATE	SO170-004-KSW2
Stonegate Substation	SO170-004-KSW2
Stoneham Crossing	SO180-001-KSW2
STONELEIGH	SW180-002-KSW3
Stoor Crossing	SO620-006-KSW2
Stratton No 1 (UWC)	SW175-005-KSW3
STRAWBERRY HILL	SW245-001-KSW3
Strawberry Hill LC (CCTV)	SW245-001-KSW3
Strawberry Hill Tunnel	SO170-002-KSW2
STREATHAM	SO680-003-KSW2
STREATHAM COMMON	SO500-006-KSW2
Streatham Common Ground Frame	SO500-006-KSW2
STREATHAM HILL	SO650-001-KSW2
Streatham North Jn	SO500-006-KSW2
Streatham South Jn	SO500-006-KSW2, SO680-003-KSW2
Streatham Substation	SO500-006-KSW2
Streatham Tunnel	SO680-003-KSW2
STROOD	SO110-015-KSW2, SO310-009-KSW2
Strood Substation	SO110-015-KSW2
Strood Tunnel	SO310-009-KSW2
Stroude Crossing	SW210-008-KSW3
STURRY	SO220-003-KSW2
Sturry LC	SO220-003-KSW2
Sturry SB (ST)	SO220-003-KSW2
Sturry Substation	SO220-003-KSW2
SUNBURY	SW190-005-KSW3
SUNDRIDGE PARK	SO350-001-KSW2
SUNNINGDALE	SW210-009-KSW3
Sunningdale LC (CCTV)	SW210-009-KSW3
SUNNYMEADS	SW250-002-KSW3

Location	Table A - Module
Sunt Farm No 1 Crossing	SO530-003-KSW2
SURBITON	SW105-007-KSW3
SUTTON	SO510-011-KSW2, SO680-005-KSW2
SUTTON COMMON	SO700-004-KSW2
Sutton Ground Frame	SO510-011-KSW2
Sutton Ground Frame	SO680-005-KSW2
Sutton Substation	SO510-011-KSW2, SO680-005-KSW2
SWALE	SO150-002-KSW2
Swale TP Hut	SO150-002-KSW2
Swamp LC (open)	SO210-001-KSW2
SWANLEY	SO110-013-KSW2
Swanley Jn	SO110-013-KSW2
SWANSCOMBE	SO310-006-KSW2
Swanscombe TP Hut	SO310-006-KSW2
SWANWICK	SW140-004-KSW3
Swatlands LC (AHBC)	SO180-001-KSW2
SWAY	SW105-037-KSW3
SWAYTHLING	SW105-025-KSW3
Swaythling UWC	SW105-025-KSW3
Sweatmans Crossing	SW115-007-KSW3
Swifts Green Substation	SO130-023-KSW2
SYDENHAM	SO510-005-KSW2
Sydenham Down Jn	SO510-005-KSW2
SYDENHAM HILL	SO110-006-KSW2
Sydenham Substation	SO110-006-KSW2
Sydenham Up Jn	SO510-005-KSW2
Synhurst FC	SW265-003-KSW3
SYON LANE	SW230-003-KSW3
Syward UWC	SW105-048-KSW3
TADWORTH	SO660-004-KSW2
Tadworth TP Hut	SO660-004-KSW2
Tangley LC (AHBC)	SW300-002-KSW3
Tanners Hill Jn	SO130-008-KSW2
Tanners Hill Tunnel (Lucas Street)	SO130-008-KSW2
Tapnage Tunnel	SW135-002-KSW3
Targetts Crossing	SW115-003-KSW3
Tarring Neville 1 Crossing	SO620-006-KSW2
Tarring Neville 2 Crossing	SO620-006-KSW2
TATTENHAM CORNER	SO660-004-KSW2
Tattenham Corner Substation	SO660-004-KSW2
Tavells Lane LC (AHBC)	SW155-001-KSW3
TEDDINGTON	SW190-002-KSW3
Teffont Mill LC (R/G)	SW115-007-KSW3
Telham Substation	SO170-006-KSW2
TEMPLECOMBE	SW115-010-KSW3
Terrys Crossing	SW150-002-KSW3
Teston Foot Crossing	SO180-003-KSW2
Teston LC (CCTV)	SO180-003-KSW2
Teston Substation	SO180-003-KSW2
TEYNHAM	SO110-022-KSW2
Teynham LC (CCTV)	SO110-022-KSW2
Teynham Substation	SO110-022-KSW2
THAMES DITTON	SW195-001-KSW3

Location	Table A - Module
Thorndell Substation	SO520-007-KSW2
Thorney Marsh Lane Crossing	SW175-001-KSW3
THORNFORD	SW175-003-KSW3
Thornford Bridge Crossing	SW175-003-KSW3
THORNTON HEATH	SO500-007-KSW2
Thornton Heath TP Hut	SO500-006-KSW2
Thorpe Lane LC (CCTV)	SW210-008-KSW3
THREE BRIDGES	SO500-019-KSW2
Three Bridges Signal Box (T)	SO500-019-KSW2
THREE OAKS	SO600-008-KSW2
Thurstons Crossing	SW150-002-KSW3
Tide Mills Crossing	SO620-007-KSW2
Tideley Substation	SO130-020-KSW2
Tillery LC (open)	SO210-001-KSW2
Tinsley Green Jn	SO500-018-KSW2
Tipholm TP Hut	SO680-009-KSW2, SW180-006-KSW3
TISBURY	SW115-008-KSW3
Tisbury Quarry LC (R/G)	SW115-008-KSW3
Tisbury West LC (AHBC)	SW115-008-KSW3
Toddington LC (AHBC)	SO630-008-KSW2
Toddington TP Hut	SO630-007-KSW2
Todhurst TP Hut	SO520-005-KSW2
TOLWORTH	SW185-001-KSW3
Tolworth GF	SW185-001-KSW3
TONBRIDGE	SO130-019-KSW2
Tonbridge East Jn	SO130-019-KSW2
Tonbridge SB (PE)	SO130-019-KSW2
Tonbridge Substation	SO130-019-KSW2
Tonbridge West Jn	SO130-019-KSW2
TOOTING	SO700-001-KSW2
TOTTON	SW105-033-KSW3
Totton LC (CCTV)	SW105-033-KSW3
Tovil Crossing	SO310-014-KSW2
Townsend Crossing	SW170-005-KSW3
Trotts Lane LC (AHBC)	SW155-001-KSW3
TULSE HILL	SO110-005-KSW2, SO280-005-KSW2, SO680-002-KSW2
Tulse Hill Substation	SO680-002-KSW2
TUNBRIDGE WELLS	SO170-002-KSW2
Tunnel TP Hut	SO310-009-KSW2
Turzes TP Hut	SO170-004-KSW2
Tweed Hill Substation	SO110-014-KSW2
TWICKENHAM	SW210-004-KSW3
Twydall TP Hut	SO110-019-KSW2
Tyning LC	SW170-005-KSW3
UCKFIELD	SO540-003-KSW2
UPPER HALLIFORD	SW190-005-KSW3
UPPER WARLINGHAM	SO530-001-KSW2
Upper Warlingham Substation	SO530-001-KSW2
Upton Lovell LC (AHBC)	SW170-004-KSW3
UPWEY	SW105-050-KSW3
Uralite TP Hut	SO310-007-KSW2
Vale Viaduct	SO500-022-KSW2
Vale Wood Crossing (R/G)	SO520-004-KSW2
VAUXHALL	SW100-003-KSW3
Veals Lane LC (AHBC)	SW155-002-KSW3

Location	Table A - Module
VICTORIA	SO110-001-KSW2, SO500-002-KSW2
Victoria SB (VC & VS)	SO500-004-KSW2
Victoria Substation	SO110-001-KSW2, SO500-002-KSW2
Vine Road Barnes (Hounslow line) LC (CCTV)	SW230-001-KSW3
Vine Road Barnes (Richmond Line) LC (CCTV)	SW210-002-KSW3
VIRGINIA WATER	SW210-009-KSW3
Voltaire Road Jn	SO110-003-KSW2, SO645-002-KSW2
Voltaire Road TP Hut	SO110-003-KSW2, SO645-002-KSW2
WADDON	SO510-010-KSW2
Waddon Substation	SO510-010-KSW2
WADHURST	SO170-003-KSW2
Wadhurst Ground Frame	SO170-003-KSW2
Wadhurst Substation	SO170-003-KSW2
Wadhurst Tunnel	SO170-003-KSW2
Wagon Lane LC (AHBC)	SO180-001-KSW2
Wall End Crossing	SO220-003-KSW2
Wallers Ash	SW105-021-KSW3
Wallers Ash Tunnel	SW105-021-KSW3
WALLINGTON	SO510-010-KSW2
Wallington TP Hut	SO510-010-KSW2
Wallington Viaduct	SW140-006-KSW3
Wallsend (MCB-OD)	SO600-001-KSW2
WALMER	SO240-001-KSW2
Walmer Substation	SO240-001-KSW2
Walters Hall Crossing	SO220-003-KSW2
WALTON-ON-THAMES	SW105-009-KSW3
Walworth TP Hut	SO280-003-KSW2
WANBOROUGH	SW265-001-KSW3
WANDSWORTH COMMON	SO500-005-KSW2
Wandsworth Common Substation	SO500-005-KSW2
WANDSWORTH ROAD	SO110-003-KSW2, SO645-002-KSW2
Wandsworth Road Jn	SO110-003-KSW2, SO645-002-KSW2
WANDSWORTH TOWN	SW210-001-KSW3
Wanshurst Green Substation	SO130-022-KSW2
WARBLINGTON	SO520-014-KSW2, SW110-010-KSW3
Warblington LC (CCTV)	SO520-014-KSW2, SW110-010-KSW3
Wards Crossing	SO180-001-KSW2
WAREHAM	SW105-044-KSW3
Wareham East Jn	SW105-044 KSW3
Wareham West Jn	SW105-044 KSW3
Warehorne LC (AHBC)	SO600-010-KSW2
WARMINSTER	SW170-003-KSW3
Warminster North GF	SW170-003-KSW3
Warminster South GF	SW170-004-KSW3
WARNHAM	SO680-009-KSW2, SW180-007-KSW3
Warnham Station Road LC (R/G)	SO680-009-KSW2, SW180-007-KSW3
Warnham TP Hut	SO680-009-KSW2, SW180-007-KSW3
Warren House Crossing	SO110-015-KSW2
Warren TP Hut	SO130-034-KSW2
WATERINGBURY	SO180-002-KSW2
Wateringbury LC	SO180-002-KSW2
Wateringbury SB (WB)	SO180-002-KSW2
Wateringbury TP Hut	SO180-002-KSW2

Location	Table A - Module
WATERLOO	SW100-001-KSW3
WATERLOO EAST	SO130-004-KSW2
Waterloo LC (AHBC)	SW210-011-KSW3
Weald Substation	SO130-018-KSW2
Week Street Tunnel	SO140-006-KSW2
WELLING	SO300-003-KSW2
Wells Tunnel	SO170-001-KSW2
Wembley Yard South Jn	SO250-009-KSW2
West Barnes LC (CCTV)	SW180-001-KSW3
WEST BROMPTON	SO250-006-KSW2, SW220-002-KSW3
WEST BYFLEET	SW105-011-KSW3
West Crossings	SW100-002-KSW3
WEST CROYDON	SO510-009-KSW2
West Croydon TP Hut	SO510-009-KSW2
WEST DULWICH	SO110-006-KSW2
West Dulwich Substation	SO110-006-KSW2, SO680-002-KSW2
West Grimstead Crossing	SW150-003-KSW3
West London Jn	SO250-008-KSW2, SW100-005-KSW3
WEST MALLING	SO140-004-KSW2
West Malling Substation	SO140-004-KSW2
WEST NORWOOD	SO650-002-KSW2
West Norwood Jn	SO650-002-KSW2
WEST ST LEONARDS	SO170-006-KSW2
West Street LC (AHBC)	SW155-003-KSW3
WEST SUTTON	SO700-004-KSW2
West Sutton TP Hut	SO700-004-KSW2
WEST WICKHAM	SO330-005-KSW2
West Wickham Substation	SO330-005-KSW2
WEST WORTHING	SO630-005-KSW2
West Worthing Ground Frame	SO630-005-KSW2
West Worthing LC (CCTV)	SO630-005-KSW2
West Worthing Substation	SO630-005-KSW2
Westbere TP Hut	SO220-003-KSW2
WESTBURY	SW170-001-KSW3
Westbury Line Jn	SW210-015-KSW3
Westbury North Jn	SW170-001-KSW3
Westbury South Jn	SW170-002-KSW3
WESTCOMBE PARK	SO290-002-KSW2
Wested Lane TP Hut	SO140-001-KSW2
WESTENHANGER	SO130-028-KSW2
Westenhanger Substation	SO130-028-KSW2
Western Jn	SO110-020-KSW2
Westford (UWC)	SW115-012-KSW3
Westgate Substation	SO110-026-KSW2
WESTGATE-ON-SEA	SO110-026-KSW2
Weston	SW105-021-KSW3
Westway TP Hut	SO250-007-KSW2
Westwell Substation	SO140-008-KSW2
WEYBRIDGE	SW105-010-KSW3
WEYMOUTH	SW105-051-KSW3
Wharf Road Ground Frame (OUU)	SO620-006-KSW2
Whatlington TP Hut	SO170-006-KSW2
Wheeler Street Tunnel	SO140-006-KSW2
WHIMPLE	SW115-015-KSW3

Location	Table A - Module
WHITCHURCH	SW115-002-KSW3
White Hart LC (CCTV)	SW210-003-KSW3
Whitebushes Substation	SO500-015-KSW2
Whitehall LC (R/G)	SO220-002-KSW2
WHITSTABLE	SO110-024-KSW2
Whitstable Substation	SO110-024-KSW2
WHITTON	SW210-005-KSW3
Whitton Jn	SW210-005-KSW3
Whyke Road LC (CCTV)	SO520-012-KSW2
WHYTELEAFE	SO660-001-KSW2
Whyteleafe LC (CCTV)	SO660-001-KSW2
WHYTELEAFE SOUTH	SO660-001-KSW2
Whyteleafe South LC (CCTV)	SO660-001-KSW2
Whyteleafe South Substation	SO660-001-KSW2
Wickham TP Hut	SO310-010-KSW2
Willingdon Jn	SO590-008-KSW2
Willingdon Jn Substation	SO590-008-KSW2
Willmotts F/P Crossing	SO140-001-KSW2
Willow Walk FPW	SO310-012-KSW2
Wilmington Green F/P	SO590-007-KSW2
Wilmington LC (AHBC)	SO590-007-KSW2
Wilsons Crossing	SO180-002-KSW2
Wilton Jn	SW115-006-KSW3
Wilton South	SW115-006-KSW3
WIMBLEDON	SO700-002-KSW2, SW105-003-KSW3
WIMBLEDON CHASE	SO700-003-KSW2
WIMBLEDON PARK	SW225-002-KSW3
Wimbledon SB (W)	SW105-004-KSW3
Wimbledon Substation	SO700-002-KSW2
Wimbledon West Jn	SO700-002-KSW2, SW105-004-KSW3
WINCHELSEA	SO600-009-KSW2
Winchelsea LC (AOCL)	SO600-009-KSW2
WINCHESTER	SW105-022-KSW3
WINCHFIELD	SW105-016-KSW3
Windmill Bridge Jn	SO500-008-KSW2
WINDSOR AND ETON RIVERSIDE	SW250-002-KSW3
Winfrith UWC	SW105-046-KSW3
Winfrith GF	SW210-012-KSW3
WINNERSH	SW210-012-KSW3
WINNERSH TRIANGLE	SW210-012-KSW3
WITLEY	SW110-005-KSW3
WIVELSFIELD	SO500-022-KSW2
WOKING	SW105-012-KSW3
Woking Jn	SW105-013-KSW3, SW110-001-KSW3
Woking SB (WK)	SW105-012-KSW3
WOKINGHAM	SW210-012-KSW3
Wokingham Jn	SW210-012-KSW3
Wokingham LC	SW210-012-KSW3
Wokingham SB (WM)	SW210-012-KSW3
WOLDINGHAM	SO530-002-KSW2
Woldingham Ground Frame	SO530-002-KSW2
Wood Lane LC (CCTV)	SW230-003-KSW3
Woodfidley Crossing	SW105-035-KSW3
Woodgate LC (CCTV)	SO520-011-KSW2
Woodgate TP Hut	SO520-011-KSW2

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Woodhorn LC (AHBC)	SO520-011-KSW2
WOODMANSTERNE	SO660-002-KSW2
Woodnesborough LC (CCTV)	SO240-003-KSW2
Woodsford (No 37) LC (AHBC)	SW105-047-KSW3
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WOOL	SW105-046-KSW3
Wool East Jn	SW105-046-KSW3
Wool West Jn	SW105-046-KSW3
Wool LC (CCTV)	SW105-046-KSW3
Wool Footpath UWC	SW105-046-KSW3
Wool West UWC	SW105-046-KSW3
WOOLSTON	SW140-002-KSW3
WOOLWICH ARSENAL	SO290-005-KSW2
WOOLWICH DOCKYARD	SO290-004-KSW2
Woolwich Dockyard TP Hut	SO290-004-KSW2
WORCESTER PARK	SW180-002-KSW3
Worgret Jn	SW105-045-KSW3
WORPLESDON	SW110-001-KSW3
Worth TP Hut	SO240-003-KSW2
WORTHING	SO630-004-KSW2
Worthing LC (CCTV)	SO630-004-KSW2
Worting Jn	SW105-018-KSW3, SW115-001-KSW3
WRAYSBURY	SW250-001-KSW3
Wrotham Heath Substation	SO140-004-KSW2
Wybourne LC (AOCL)	SO320-001-KSW2
WYE	SO220-001-KSW2
Wye Crossing LC	SO220-001-KSW2
Wye Substation	SO220-001-KSW2
Wyke No 2 Crossing	SW115-011-KSW3
Wylye LC (AHBC)	SW170-005-KSW3
YALDING	SO180-002-KSW2
Yalding LC (ABCL)	SO180-002-KSW2
Yalding Substation	SO180-002-KSW2
Yapton LC (AHBC)	SO520-010-KSW2
Yapton TP Hut	SO520-009-KSW2
Yeovil Jn	SW115-011-KSW3
Yeovil Jn Up Siding GF	SW115-011-KSW3
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155	04 December 2021
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157	29 August 2020
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159	**07 September 2024**
160	**07 September 2024**

Page	Date Last Changed
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351	02 December 2023
352	02 December 2023

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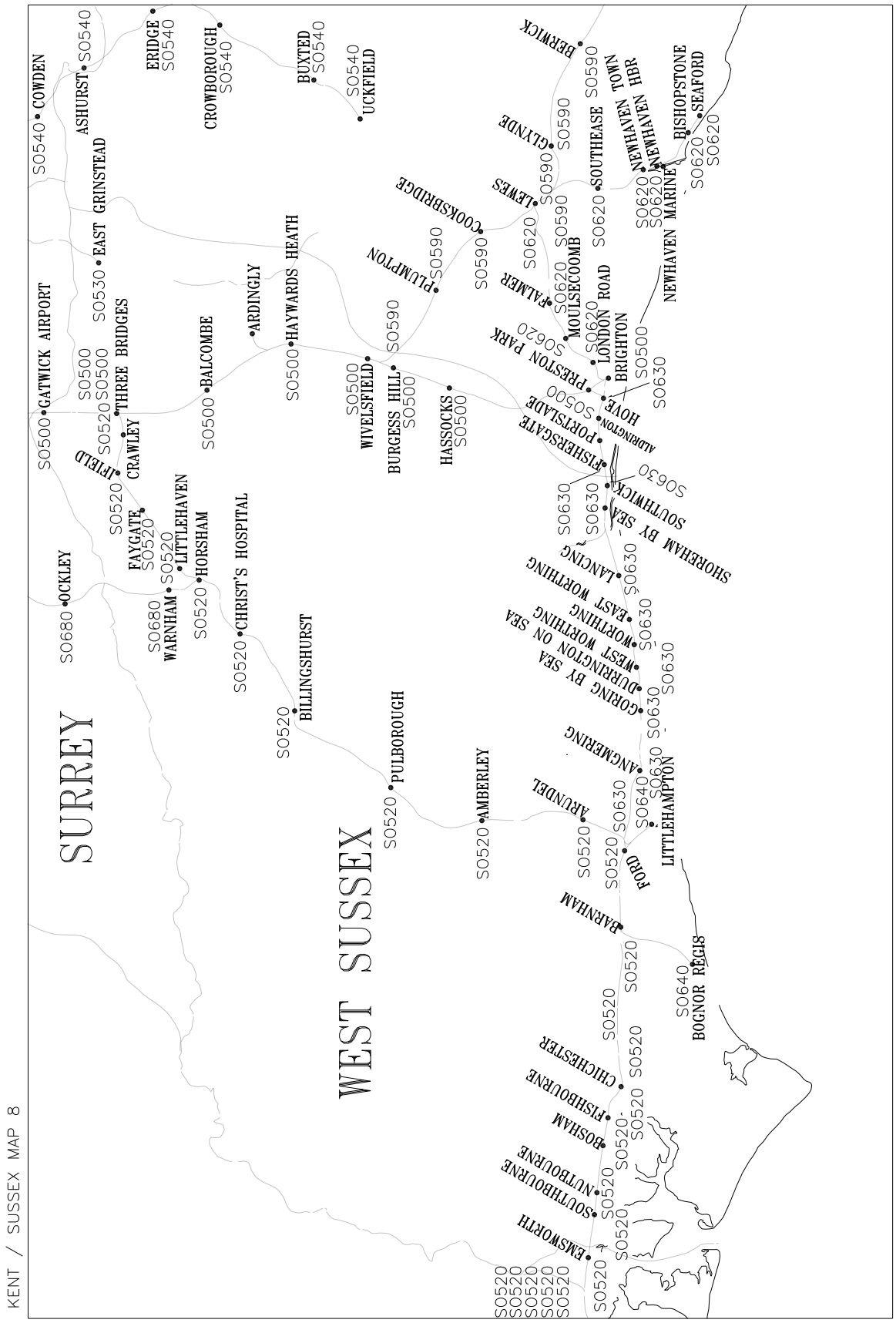
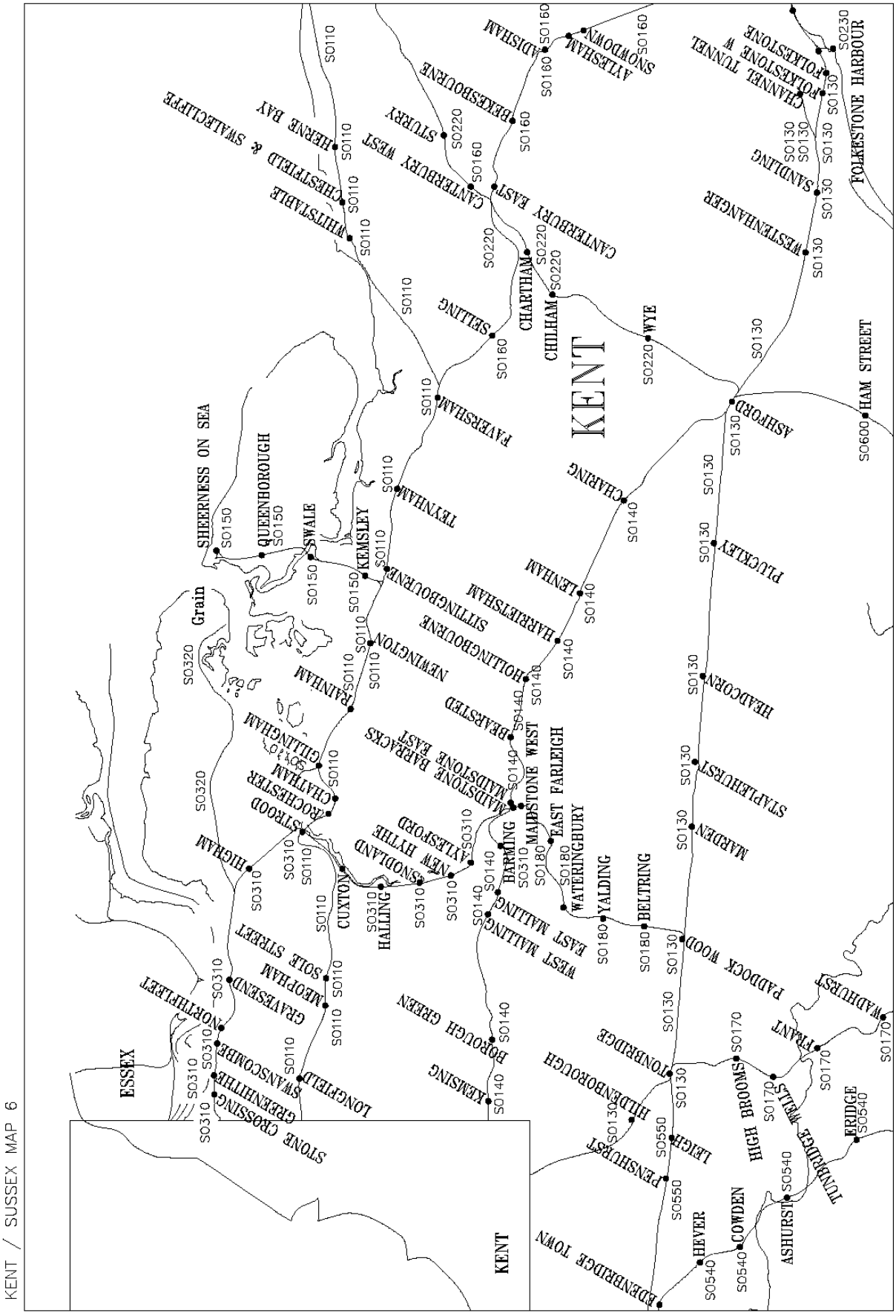
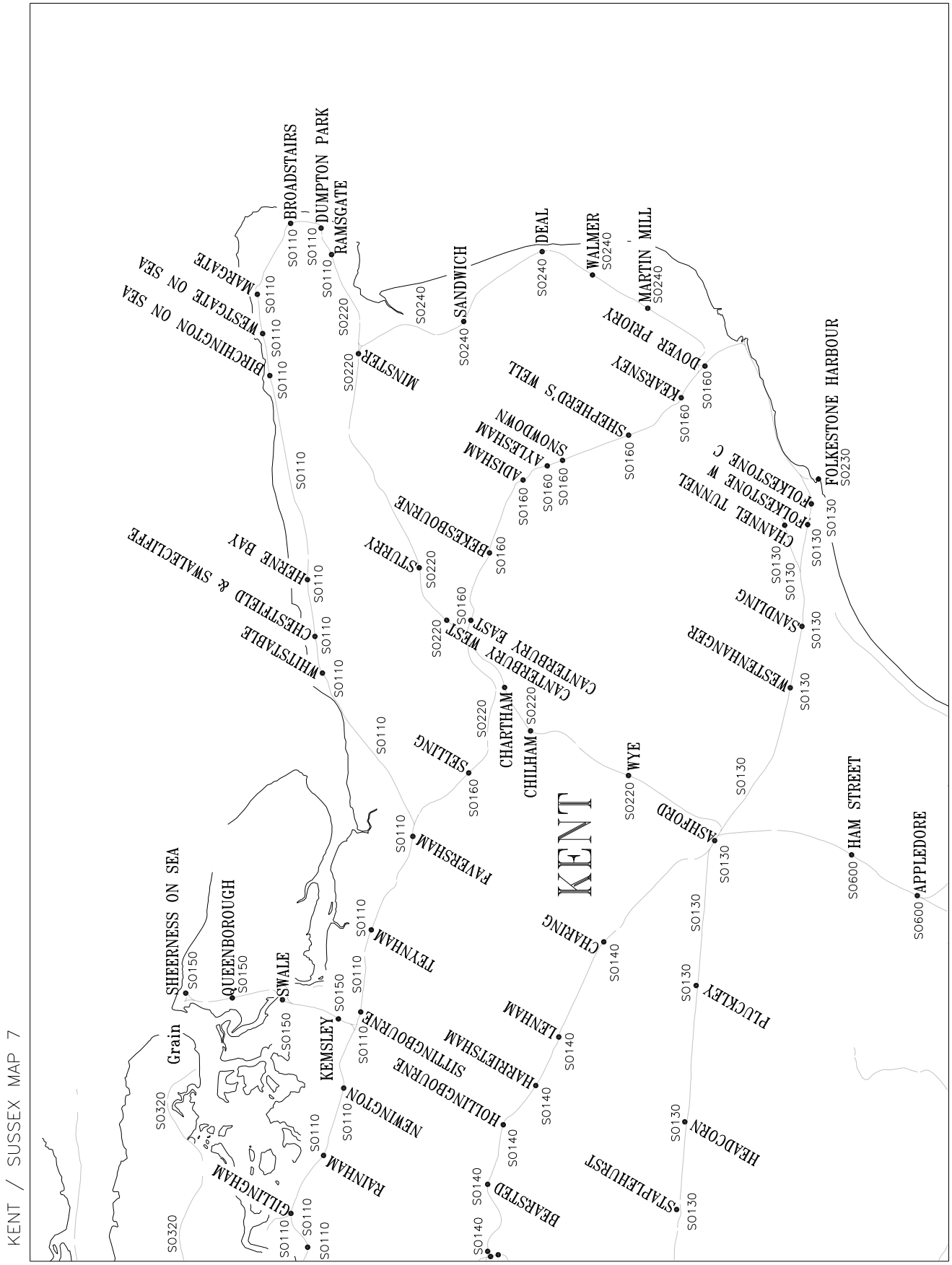
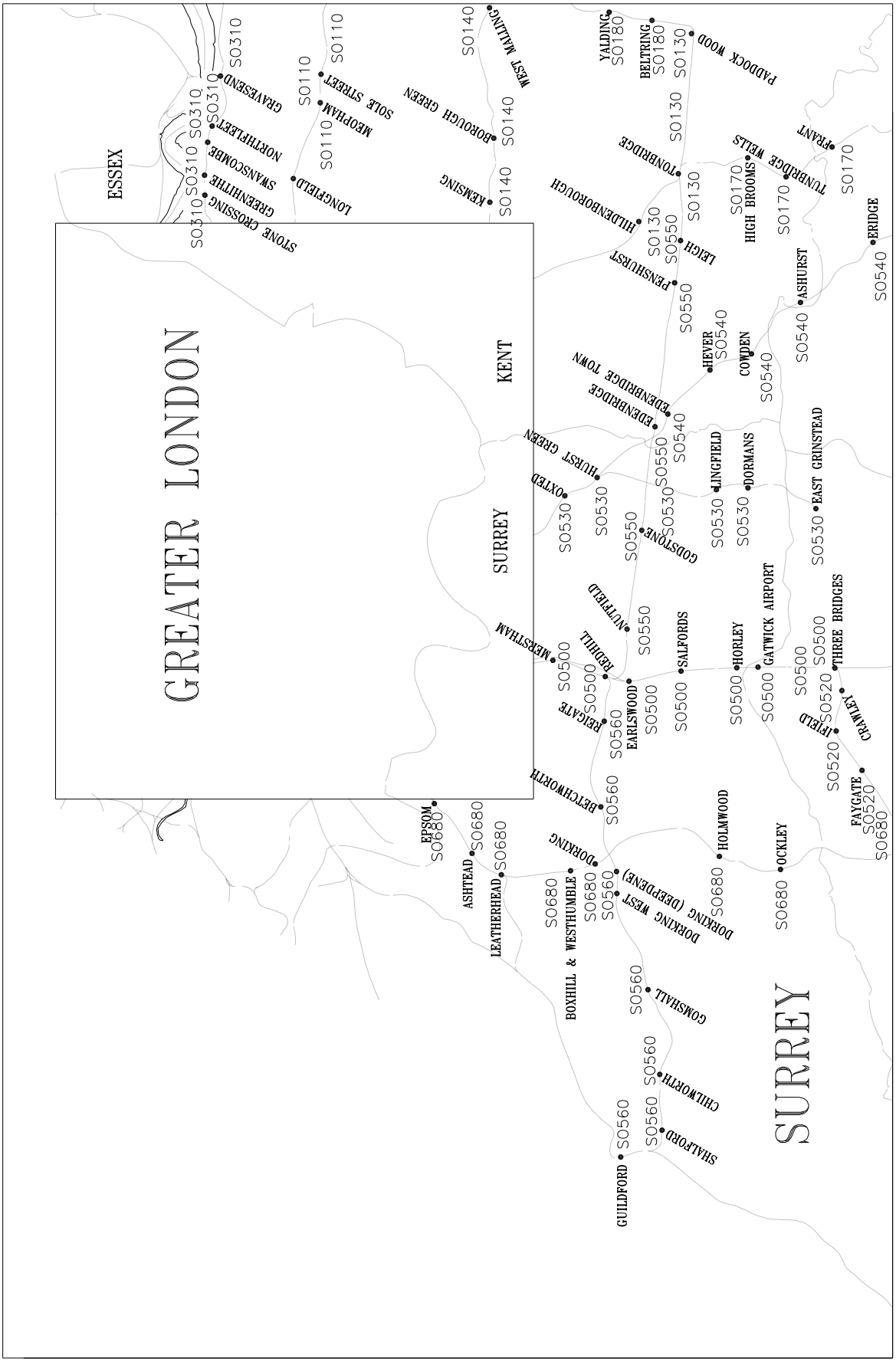
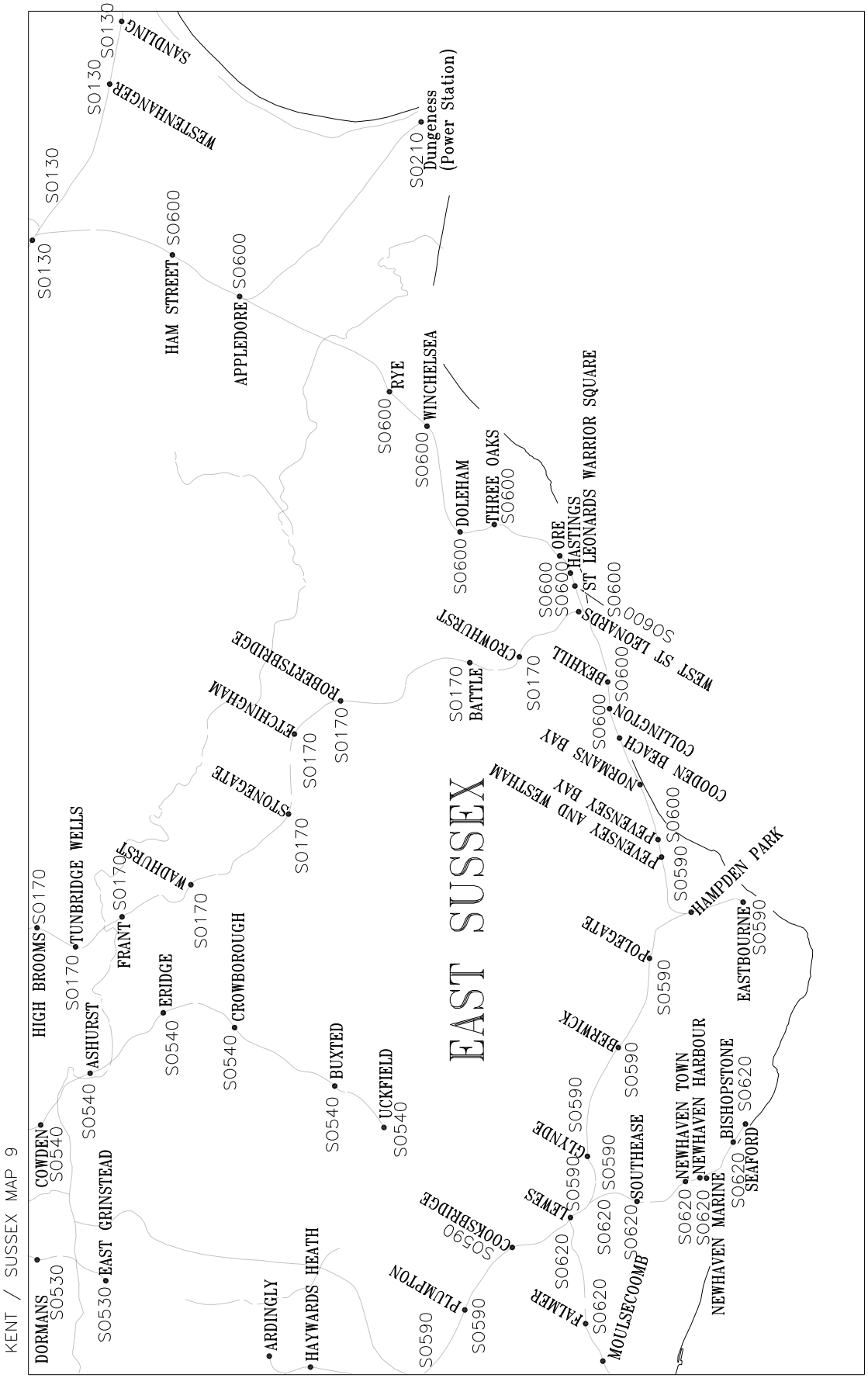
MAPS

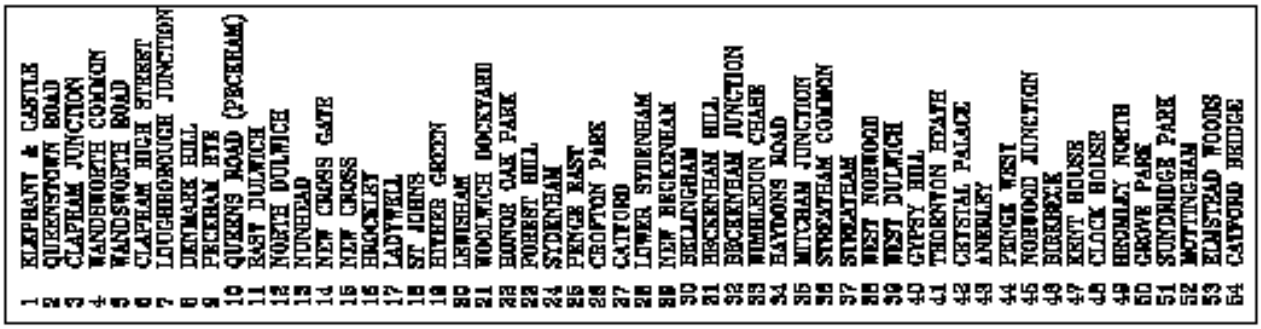

KENT / SUSSEX MAP 8
SURREY
WEST SUSSEX
COWDEN
ASHURST
GRINSTEAD
EAST
GATWICK AIRPORT
THREE BRIDGES
CRAWLEY
IFIELD
FAYGATE
LITTLEHAVEN
HORSHAM
OCKLEY
WARNHAM
CHRIST'S HOSPITAL
BILLINGSHURST
PULBOROUGH
AMBERLEY
ARDINGLY
BALCOMBE
HAYWARDS HEATH
WIVELSFIELD
BURGESS HILL
PLUMPTON
HASSOCKS
ERIDGE
CROWBOROUGH
BUXTED
UCKFIELD
COOKSBRIDGE
BERWICK
GLYNDE
LEWES
FALMER
MOULSECOOMB
LONDON ROAD
PRESTON PARK
BRIGHTON
HOVE
ABBINGTON
PORTSLADE
FISHERSGATE
SOUTHWICK
SHOREHAM BY SEA
LANCING
EAST WORTHING
WORTHING
WEST WORTHING
DURRINGTON ON SEA
GORING BY SEA
ANGMERING
ARUNDEL
FORD
LITTLEHAMPTON
BARNHAM
BOGNOR REGIS
CHICHESTER
FISHBOURNE
BOSHAM
NUTBOURNE
SOUTHBOURNE
EMSWORTH
SOUTHEASE
NEWHAVEN TOWN
NEWHAVEN HBR
NEWHAVEN MARINE
BISHOPSTONE
SEAFORD

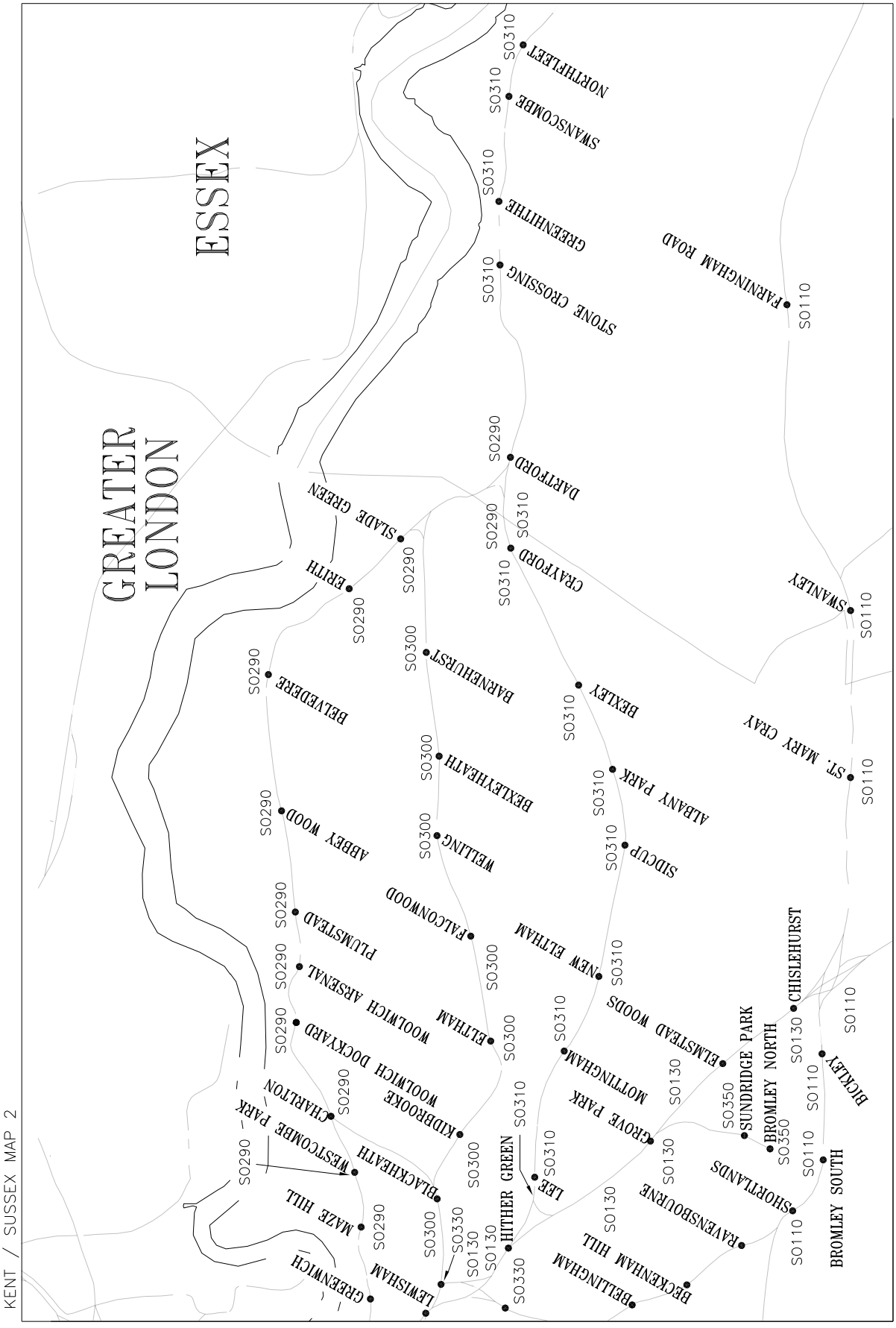

KENT / SUSSEX MAP 6
KENT
ESSEX
KENT
SHEERNESS ON SEA
QUEENBOROUGH
SWALE
Grain
KEMSLEY
SITTINGBOURNE
TEYNHAM
FAVERSHAM
SELLING
CHARTHAM
CHILHAM
WYE
ASHFORD
HAM STREET
CHARING
LENHAM
HARRIETSHAM
HOLLINGBOURNE
NEWINGTON
RAINHAM
BEARSTED
MAIDSTONE EAST
MAIDSTONE BARRACKS
MAIDSTONE WEST
EAST FARLEIGH
HARRIETSHAM
WATERINGBURY
EAST MALLING
WEST MALLING
HALLING
CUXTON
SNODLAND
NEW HYTHE
AYLESFORD
BOROUGH GREEN
KEMSING
WROTHAM
STROOD
ROCHESTER
CHATHAM
GILLINGHAM
HIGHAM
SOLE STREET
MEOPHAM
GRAVESEND
NORTHFLEET
SWANSCOMBE
GREENHITHE
LONGFIELD
STONE CROSSING
BECKENHAM
BROMLEY
ADISHAM
ASHFORD
SNOWDOWN
CANTERBURY WEST
CANTERBURY EAST
WHITSTABLE
HERNE BAY
CHESTFIELD & SWALECLIFFE
FOLKESTONE W
CHANNEL TUNNEL
FOLKESTONE
FOLKESTONE HARBOUR
SANDLING
WESTENHANGER
PLUCKLEY
HEADCORN
STAPLEHURST
MARDEN
PADDOCK WOOD
BELTRING
YALDING
TONBRIDGE
HILDENBOROUGH
LEIGH
PENSHURST
EDENBRIDGE TOWN
HEVER
COWDEN
ASHURST
HIGH BROOMS
TUNBRIDGE WELLS
FRANT
WADHURST
ERIDGE

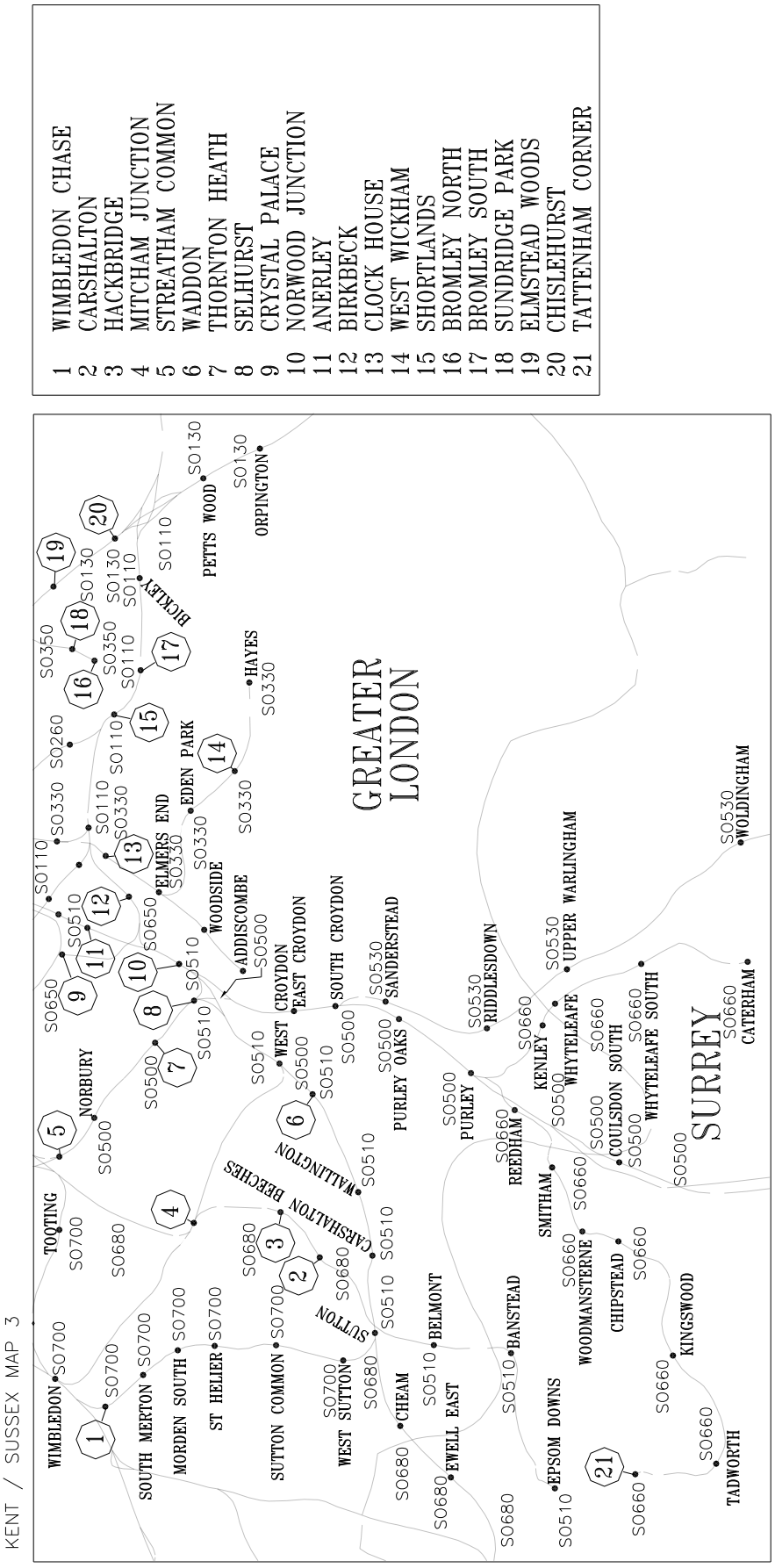

KENT / SUSSEX MAP 7
KENT
BROADSTAIRS
DUMPTON PARK
RAMSGATE
MARGATE
WESTGATE ON SEA
BIRCHINGTON ON SEA
SANDWICH
DEAL
WALMER
MARTIN MILL
DOVER PRIORY
KEARSNEY
SHEPHERD'S WELL
SNOWDOWN
ADISHAM
AYLESHAM
MINSTER
FOLKESTONE HARBOUR
FOLKESTONE W
FOLKESTONE C
CHANNEL TUNNEL
SANDLING
WESTENHANGER
BEKESBOURNE
STURRY
CANTERBURY WEST
CANTERBURY EAST
HERNE BAY
CHESTFIELD & SWALECLIFFE
WHITSTABLE
CHARTHAM
CHILHAM
SELLING
FAVERSHAM
WYE
ASHFORD
HAM STREET
APPLEDORE
TEYNHAM
CHARING
PLUCKLEY
HEADCORN
SHEERNESS ON SEA
QUEENBOROUGH
SWALE
KEMSLEY
SITTINGBOURNE
HOLLINGBOURNE
HARRIETSHAM
LENHAM
NEWINGTON
RAINHAM
GILLINGHAM
BEARSTED
STAPLEHURST
Grain
SO110
SO120
SO130
SO140
SO150
SO160
SO220
SO230
SO240
SO320
SO600


KENT / SUSSEX MAP 5
GREATER LONDON
ESSEX
KENT
SURREY
SURREY
GRAVESEND
NORTHFLEET
SWANSCOMBE
GREENHITHE
STONE CROSSING
LONGFIELD
MEOPHAM
SOLE STREET
BOROUGH GREEN
KEMSING
WEST MALLING
YALDING
BELTRING
PADDOCK WOOD
TONBRIDGE
HILDENBOROUGH
TUNBRIDGE WELLS
HIGH BROOMS
FRANT
LEIGH
PENSHURST
ASHURST
BRIDGE
HEVER
COWDEN
EDENBRIDGE
EDENBRIDGE TOWN
HURST GREEN
OXTED
GODSTONE
LINGFIELD
DORMANS
EAST GRINSTEAD
NUTFIELD
REDHILL
MERSTHAM
SALFORDS
HORLEY
GATWICK AIRPORT
THREE BRIDGES
CRAWLEY
IFIELD
REIGATE
EARLSWOOD
BETCHWORTH
PAYGATE
EPSOM
ASHTEAD
LEATHERHEAD
DORKING
BOXHILL & WESTHUMBLE
DORKING (DEEPDENE)
DORKING WEST
HOLMWOOD
OCKLEY
GOMSHALL
CHILWORTH
SHALFORD
GUILDFORD


KENT / SUSSEX MAP 9
EAST SUSSEX
SANDLING
WESTENHANGER
HAM STREET
APPLEDORE
Dungeness (Power Station)
RYE
WINCHELSEA
DOLEHAM
THREE OAKS
HASTINGS
ST LEONARDS
WARRIOR SQUARE
WEST ST LEONARDS
ORE
CROWHURST
BATTLE
BEXHILL
COLLINGTON
COODEN BEACH
NORMANS BAY
PEVENSEY BAY
PEVENSEY AND WESTHAM
HAMPDEN PARK
EASTBOURNE
POLEGATE
ROBERTSBRIDGE
ETCHINGHAM
STONEGATE
WADHURST
HIGH BROOMS
TUNBRIDGE WELLS
FRANT
ERIDGE
CROWBOROUGH
ASHURST
BUXTED
UCKFIELD
COWDEN
EAST GRINSTEAD
DORMANS
ARDINGLY
HAYWARDS HEATH
PLUMPTON
COOKSBRIDGE
LEWES
FALMER
MOULSECOOMB
GLYNDE
SOUTHEASE
BERWICK
NEWHAVEN TOWN
NEWHAVEN HARBOUR
NEWHAVEN MARINE
BISHOPSTONE
SEAFORD


1 ELEPHANT & CASTLE
2 QUEENSTOWN ROAD
3 CLAPHAM JUNCTION
4 WANDSWORTH COMMON
5 WANDSWORTH ROAD
6 CLAPHAM HIGH STREET
7 LOUGHBOROUGH JUNCTION
8 DENMARK HILL
9 PECKHAM RYE
10 QUEENS ROAD (PECKHAM)
11 EAST DULWICH
12 NORTH DULWICH
13 HONOR OAK PARK
14 NEW CROSS GATE
15 NEW CROSS
16 BROCKLEY
17 LADYWELL
18 ST JOHNS
19 HITHER GREEN
20 LEWISHAM
21 WOOLWICH DOCKYARD
22 HONOR OAK PARK
23 FOREST HILL
24 SYDENHAM
25 PENGE EAST
26 CROFTON PARK
27 CATFORD
28 LOWER SYDENHAM
29 NEW BECKENHAM
30 BELLINGHAM
31 BECKENHAM HILL
32 BECKENHAM JUNCTION
33 RAVENSBOURNE
34 HAYDONS ROAD
35 MITCHAM JUNCTION
36 STREATHAM COMMON
37 STREATHAM
38 WEST NORWOOD
39 WEST DULWICH
40 GIPSY HILL
41 THORNTON HEATH
42 CRYSTAL PALACE
43 ANERLEY
44 PENGE WEST
45 NORWOOD JUNCTION
46 BURBAGE
47 KENT HOUSE
48 CLOCK HOUSE
49 BROMLEY NORTH
50 GROVE PARK
51 SUNDRIDGE PARK
52 WOTTINGHAM
53 ELMSTEAD WOODS
54 CATFORD BRIDGE
KENT / SUSSEX MAP 1
GREATER LONDON


KENT / SUSSEX MAP 2
ESSEX
GREATER LONDON
NORTHFLEET
SWANSCOMBE
GREENHITHE
STONE CROSSING
FARNINGHAM ROAD
DARTFORD
SLADE GREEN
ERITH
CRAYFORD
SWANLEY
BELVEDERE
BARNEHURST
BEXLEY
ST. MARY CRAY
BEXLEYHEATH
ALBANY PARK
ABBEY WOOD
WELLING
SIDCUP
FALCONWOOD
PLUMSTEAD
NEW ELTHAM
WOOLWICH ARSENAL
ELTHAM
ELMSTEAD WOODS
CHISLEHURST
WOOLWICH DOCKYARD
MOTTINGHAM
SUNDRIDGE PARK
BROMLEY NORTH
BICKLEY
KIDBROOKE
CHARLTON
GROVE PARK
WESTCOMBE PARK
BLACKHEATH
LEE
HITHER GREEN
SHORTLANDS
RAVENSBOURNE
MAZE HILL
BROMLEY SOUTH
BECKENHAM HILL
BELLINGHAM
GREENWICH
LEWISHAM
SO290
SO300
SO310
SO330
SO130
SO350
SO110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2 CARSHALTON
3 HACKBRIDGE
4 MITCHAM JUNCTION
5 STREATHAM COMMON
6 WADDON
7 THORNTON HEATH
8 SELHURST
9 CRYSTAL PALACE
10 NORWOOD JUNCTION
11 ANERLEY
12 BIRKBECK
13 CLOCK HOUSE
14 WEST WICKHAM
15 SHORTLANDS
16 BROMLEY NORTH
17 BROMLEY SOUTH
18 SUNDRIDGE PARK
19 ELMSTEAD WOODS
20 CHISLEHURST
21 TATTENHAM CORNER
KENT / SUSSEX MAP 3
GREATER LONDON
SURREY
WIMBLEDON
SOUTH MERTON
MORDEN SOUTH
ST HELIER
SUTTON COMMON
WEST SUTTON
CHEAM
EWELL EAST
EPSOM DOWNS
TADWORTH
TOOTING
NORBURY
SUTTON
BELMONT
BANSTEAD
CARSHALTON BEECHES
WALLINGTON
WOODMANSTERNE
CHIPSTEAD
KINGSWOOD
WEST CROYDON
EAST CROYDON
ADDISCOMBE
WOODSIDE
ELMERS END
EDEN PARK
SOUTH CROYDON
SANDERSTEAD
PURLEY OAKS
PURLEY
REEDHAM
SMITHAM
KENLEY
RIDDLESDOWN
WHYTELEAFE
COULSDON SOUTH
WHYTELEAFE SOUTH
UPPER WARLINGHAM
CATERHAM
WOLDINGHAM
HAYES
BICKLEY
PETTS WOOD
ORPINGTON
S0700
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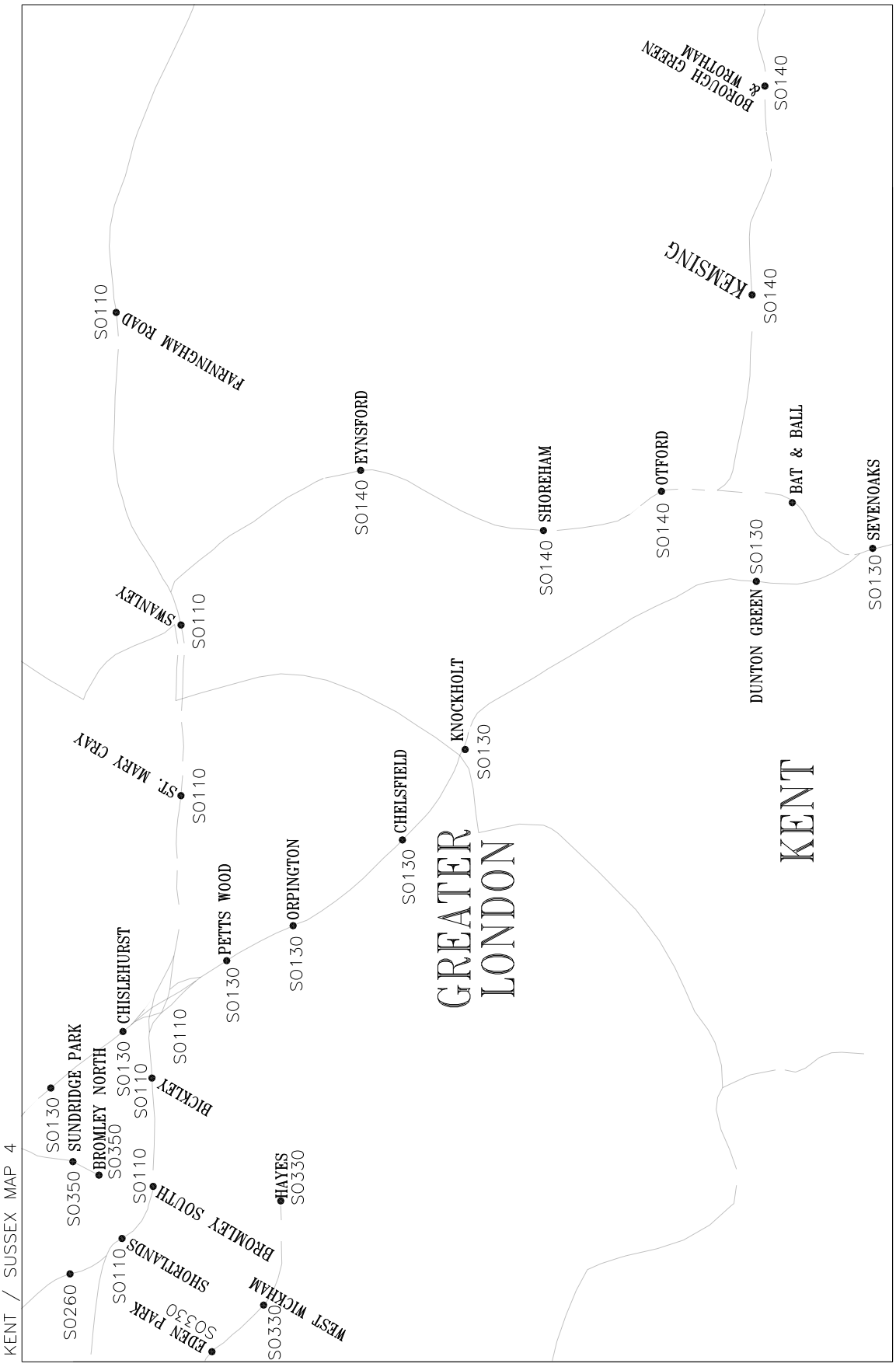
S0260
S0130
S0110


KENT / SUSSEX MAP 4
SO260
SO110
EDEN PARK
SO330
SHORTLANDS
SO110
WEST WICKHAM
SO330
BROMLEY SOUTH
SO110
HAYES
SO330
BROMLEY NORTH
SO350
SO110
SUNDRIDGE PARK
SO350
SO130
BICKLEY
SO110
CHISLEHURST
SO130
SO110
PETTS WOOD
SO130
ORPINGTON
SO130
CHELSFIELD
SO130
ST. MARY CRAY
SO110
SWANLEY
SO110
FARNINGHAM ROAD
SO110
KNOCKHOLT
SO130
EYNSFORD
SO140
SHOREHAM
SO140
OTFORD
SO140
BAT & BALL
DUNTON GREEN
SO130
SEVENOAKS
SO130
KEMSING
SO140
BOROUGH GREEN & WROTHAM
SO140
GREATER LONDON
KENT

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EXCEPTIONALLY POOR RAIL ADHESION

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EXCEPTIONALLY POOR RAIL ADHESION

SO170 (TUNBRIDGE EAST JUNCTION TO HASTINGS)

Location	Line(s) Affected	Mileage (Between)
Tunbridge Wells to Frant	Down and Up	33m 40ch **to** 35m 70ch

Dated:11/11/2023

SO260 (BRIXTON JN TO SHORTLANDS JN)

Location	Line(s) Affected	Mileage (Between)
Beckenham Hill to Shortlands	Down and Up Catford Loop	10m 14ch ***to*** 10m 60ch

Dated:11/11/2023

SO300 (LEWISHAM TO CRAYFORD CREEK JN (VIA BEXLEYHEATH)

Location	Line(s) Affected	Mileage (Between)
Eltham - Welling	Both	10m 08ch ***to*** 10m 52ch

Dated:11/11/2023

SO310 HITHER GREEN TO MAIDSTONE WEST (VIA DARTFORD)

Location	Line(s) Affected	Mileage (Between)
Lee - Mottingham	Down and Up Dartford Loop	8m 52ch ***to*** 9m 33ch
Crayford to Crayford Spur "B" JN	Down and Up Dartford Loop	16m 11ch ***to*** 16m 53ch
Greenhithe to Gravesend	Down and Up Main	20 m 69ch ***to*** 23m 75ch

Dated: 11/11/2023

SO330 (NUNHEAD TO HAYES)

Location	Line(s) Affected	Mileage (Between)					
West Wickham	Down	12 m	60 ch	***to***	13 m	20 ch
West Wickham	Up	13 m	60 ch	***to***	13 m	20 ch
Ladywell to Catford Bridge	Both	07 m	00 ch	***to***		
Eden Park to West Wickham	Both	13 m	13 ch	***to***	13 m	15 ch
Hayes	Both	14 m	32 ch	***to***		
Ladywell to Catford Bridge	Down and Up Mid Kent	6 m	69 ch	***to***	7 m	35 ch
West Wickham to Hayes	Down and Up Mid Kent	13 m	13 ch	***to***	14 m	34 ch
Ladywell to Catford Bridge	Down and Up Mid Kent	6 m	69 ch	***to***	7 m	35 ch
West Wickham to Hayes	Down and Up Mid Kent	13 m	14 ch	***to***	14 m	34 ch

Dated: 11/11/2023

SO530 SOUTH CROYDON TO EAST GRINSTEAD

Location	Line(s) Affected	Mileage (Between)	
Lingfield to Dormans	Both	27m 40ch to 28m 00ch	

Dated: 09/10/22

SO540 (HURST GREEN TO UCKFIELD)

Location	Line(s) Affected	Mileage (Between)				
Ashurst	Both	32 m	00 ch	***to***	32 m	45 ch

Dated: 09/10/22

SO560 REDHILL TO GUILDFORD

Location	Line(s) Affected	Mileage (Between)
Reigate	Both	23m 40ch to 24m 40ch

Dated: 09/10/22

SO660 PURLEY TO CATERHAM/TATTENHAM CORNER

Location	Line(s) Affected	Mileage (Between)
Purley to Kenley	Both	15m 13ch to 16m 00ch
Purley to Reedham	Both	15m 13ch to 15m 40ch

Dated: 09/10/22

SO685 (LEATHERHEAD TO HORSHAM)

Location	Line(s) Affected	Mileage (Between)
Dorking and Warnham	Both	24 m 30 ch ***to*** 31 m 00 ch

Dated: 21/10/23

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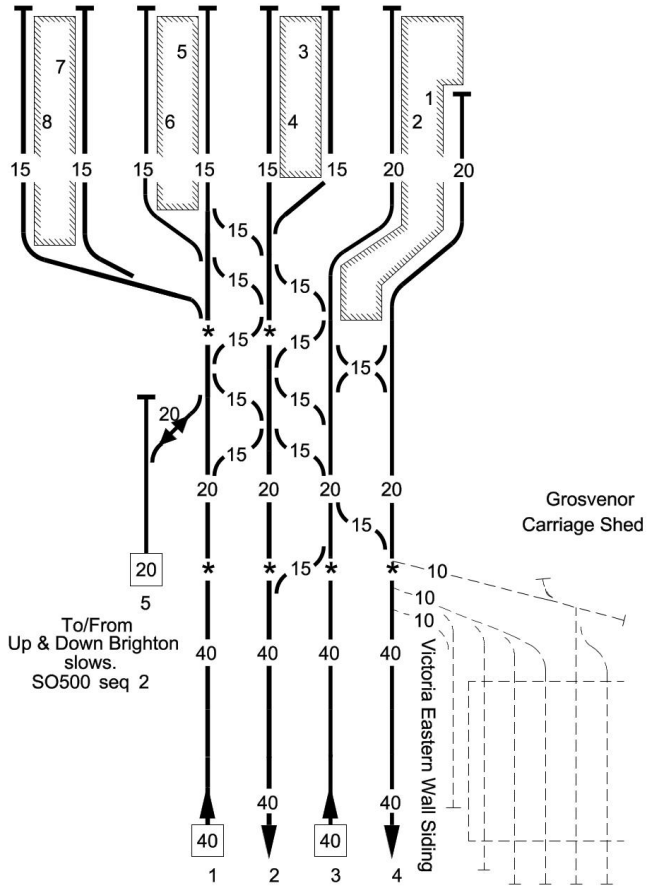
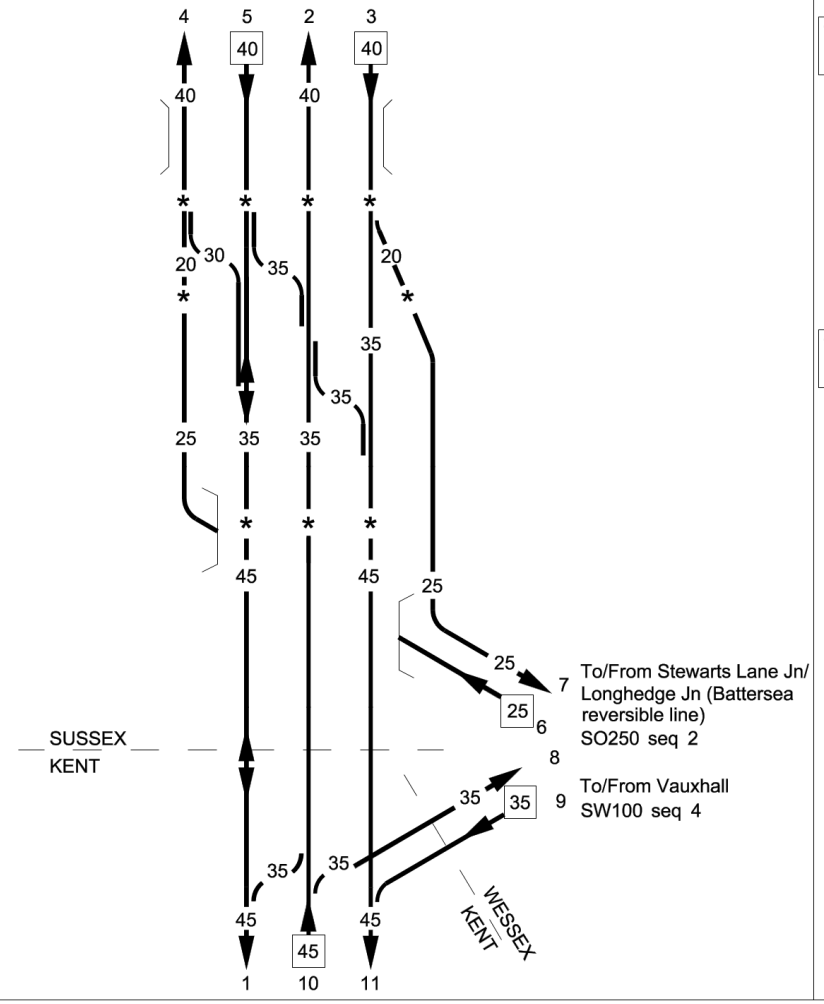
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	001	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	27/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
VICTORIA	00 00	MAXIMUM PERMISSIBLE SPEED BETWEEN VICTORIA AND ST. MARY CRAY JUNCTION - 60 MPH ON CHATHAM LINES 45 MPH ON ATLANTIC LINES ST. MARY CRAY JUNCTION AND RAMSGATE - 90 MPH	TCB Three Bridges (ROC) Victoria Eastern W/S (TVS) RA8 DC: Lewisham GSM-R Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route but are subject to a maximum of 40mph between Mitre Bridge Jn and Shortlands Jn. Platforms 1-8 PP A.W.S not provided at signals VS23, VS25, and VS27. A.W.S not provided for emergency and temporary speed restrictions.
	00 20 *		
	00 40 *		
Victoria Substation	00 56		



1 Up Chatham Slow
2 Down Chatham Slow
3 Up Chatham Fast
4 Down Chatham Fast
5 Down Brighton Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	002	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	27/12/2022

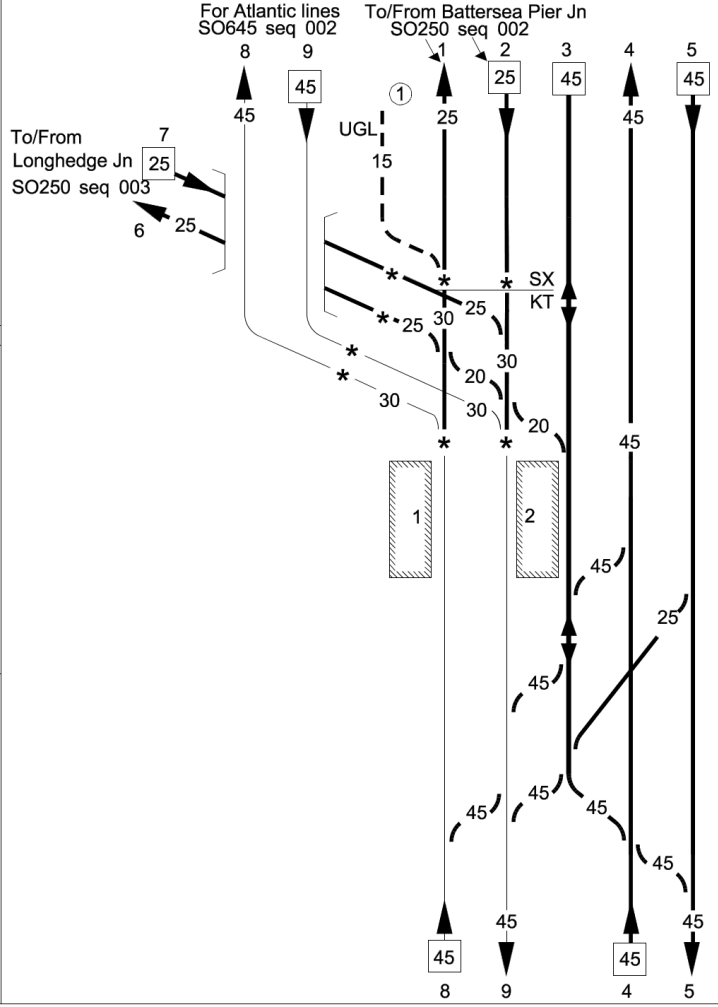
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Grosvenor Bridge	0 58 to 0 70		TCB Three Bridges (ROC) Victoria Eastern W/S (TVS) RA8 DC: Lewisham GSM-R A.W.S not provided for emergency and temporary speed restrictions. TCB Victoria SB (VS)
Battersea Pier Jn	(0 71) *		
	0 73 *		
	1 16 *		
Route Boundary	1 41	SUSSEX / KENT	
(Nine Elms Jn)	(2 00)		
Linford Street TP Hut	1 44		
Linford Street Jn	1 45		
	(2 50)		
Route Boundary	(2 44)		

1 Chatham Reversible
2 Up Chatham Fast
3 Down Chatham Fast
4 Up Chatham Slow
5 Down Chatham Slow
6 Up Stewarts Lane
7 Down Stewarts Lane
8 Up Waterloo Curve
9 Down Waterloo Curve
10 Up Chatham Main
11 Down Chatham Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	003	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR BSF FLL1	Kent / Sussex	02/01/2024

Location	Mileage M Ch
(**BATTERSEA PARK**)	(7 27)
(Stewarts Lane Jn)	(1 27)
(Longhedge Jn)	(0 39)
Route Boundary	(0 03) *
	1 16
Factory Jn	1 61 *
	(6 58)
	(0 00)
	(6 61) *
Wandsworth Road Jn	(6 58) *
WANDSWORTH ROAD	1 75
	(6 52)
Voltaire Road Jn	2 15
	(6 39)
Voltaire Road TP Hut	2 10

Running lines & speed restrictions



Signalling & Remarks

GSM-R

TCB Victoria SB (VS)
RA8 DC: Lewisham

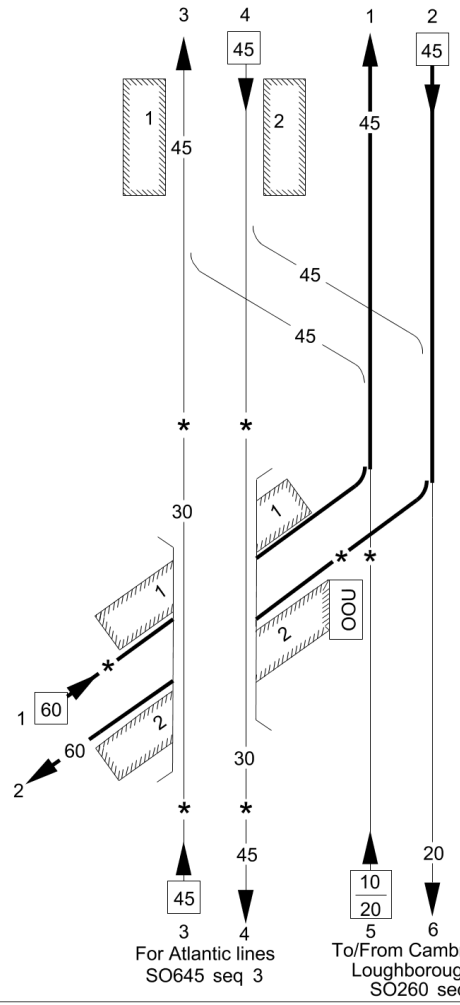
A.W.S not provided for emergency and temporary speed restrictions.

① Not permissive

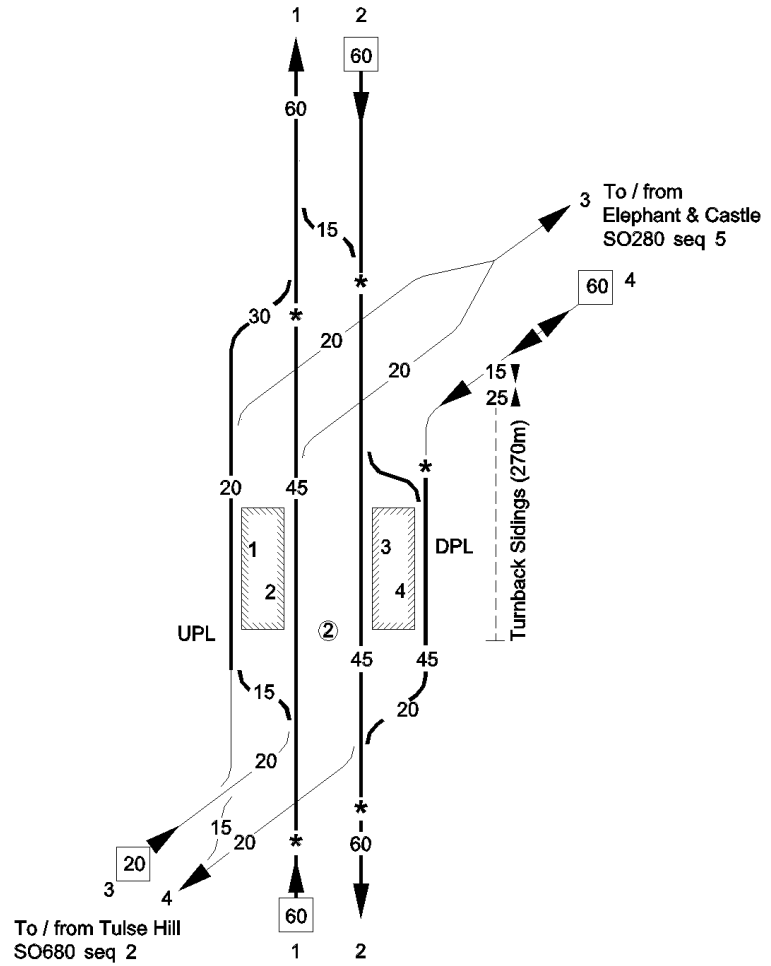
SX = SUSSEX
KT = KENT

1 Up Stewarts Lane
2 Down Stewarts Lane
3 Chatham Reversible
4 Up Chatham Main
5 Down Chatham Main
6 Down Ludgate
7 Up Ludgate
8 Up Atlantic
9 Down Atlantic

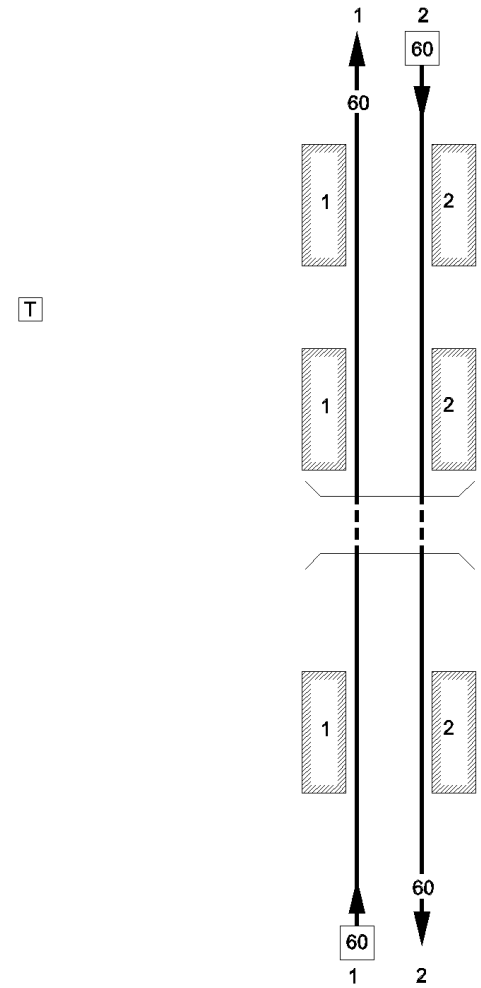
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	004	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	26/05/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CLAPHAM HIGH STREET	2 25 (6 21)		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham A.W.S not provided for emergency and temporary speed restrictions.
Shepherds Lane Jn	2 70 (5 68)		
	(5 57) *		
Brixton Jn	3 11 *		
(Canterbury Road Jn)	(3 24)		
BRIXTON	3 14		
	3 20 *		
	(5 09) *		
(**DENMARK HILL**)	(4 23)		1 Up Chatham Main 2 Down Chatham Main 3 Up Atlantic 4 Down Atlantic 5 Up Catford Loop 6 Down Catford Loop

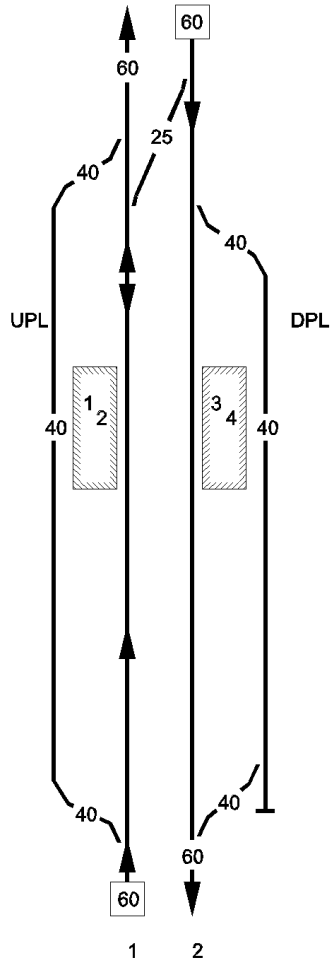
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	005	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR HHH	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham AWS not provided for emergency and temporary speed restrictions
	3 58 *		
	3 60 *		
Herne Hill North Jn	3 70		
	(4 30) * ①		① ELR - HHH
Herne Hill TP Hut	3 74		DPL 27 UPL 28
HERNE HILL	3 76		② The lines through Tulse Hill platforms are duplicated on SO280 seq 005
Herne Hill South Jn	4 06		
	4 10 *		
	4 12 *		1 Up Chatham Main 2 Down Chatham Main 3 Up Holborn 4 Down Holborn

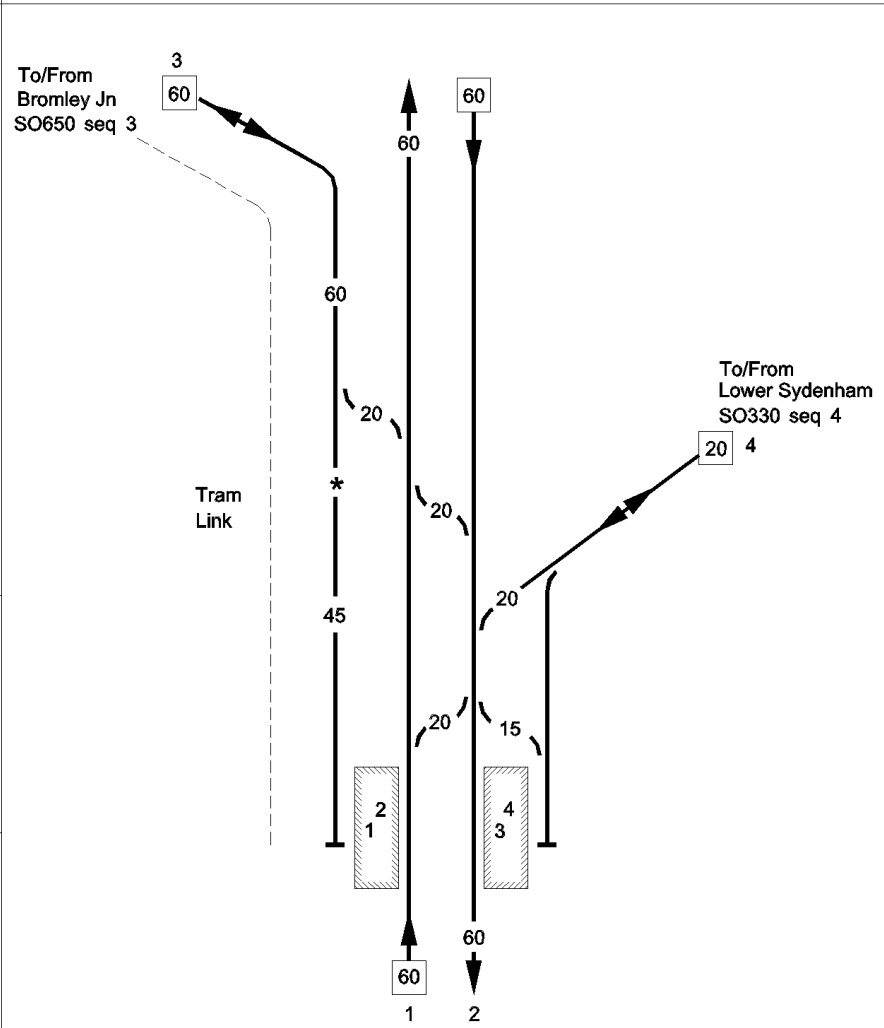
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	006	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham
West Dulwich Substation	4 40		
WEST DULWICH	5 02		
Sydenham Substation	5 47	T	
SYDENHAM HILL	5 57		
Penge Tunnel (1m 381 yards)	5 62		
	7 00		
PENGE EAST	7 15		1 Up Chatham Main 2 Down Chatham Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	007	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	19/03/2016

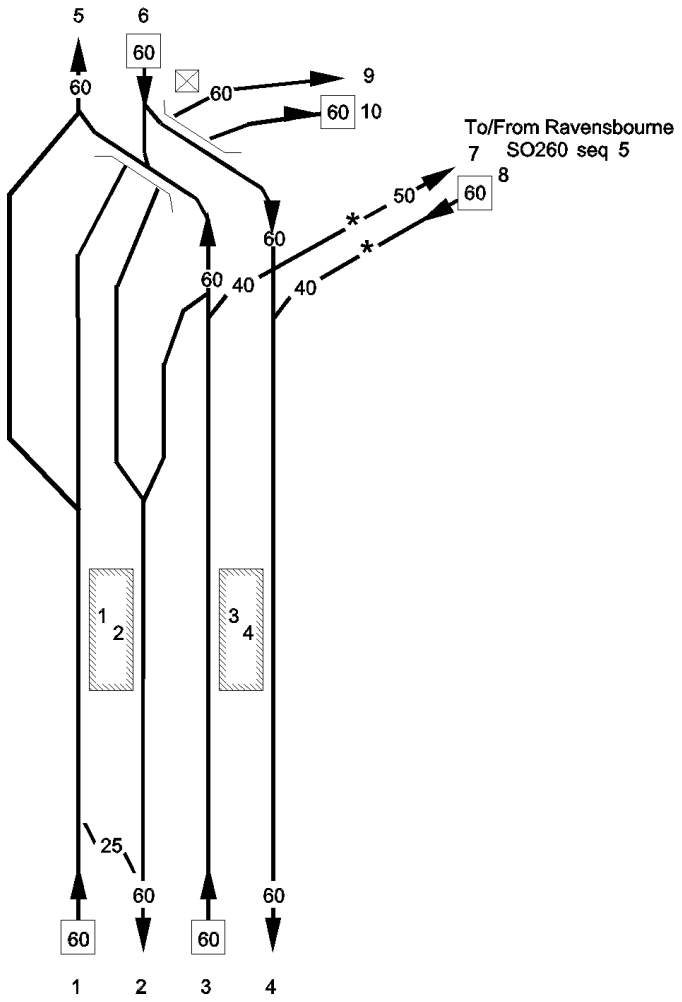
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
KENT HOUSE	7	66		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham DPL 56 UPL 62 1 Up Chatham Main 2 Down Chatham Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	008	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR NBB	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Birkbeck)	(10 26)		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham
New Beckenham Substation	8 21		
	(11 43) *		
Beckenham Spur Jn	8 43		
BECKENHAM JN	8 53		Platforms 1-4 PP
	(11 62)		
Albemarle Road TP Hut	9 14		1 Up Chatham Main 2 Down Chatham Main 3 Crystal Palace Single 4 Beckenham Spur

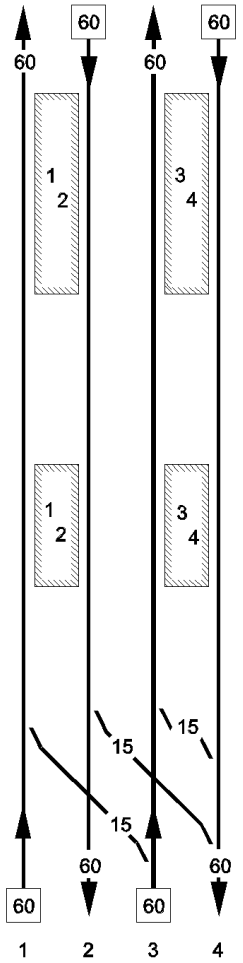
LOR	Seq.	Line of Route Description	ELR			Route	Last Updated
SO110	009	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	RVC	CAT	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Shortlands Substation	9 54	T	GSM-R
	(10 62)		TCB Victoria SB (VS)
	(10 67) *		RA8 DC: Lewisham
Shortlands Jn	9 57		
	(10 73)		PLOD at 0m 24ch
			(Up Ravensbourne Chord Cess)
	9 78		0m 00ch - 0m 48ch
	(0 48)		mileage for Ravensbourne Chord lines
			(Area covered by PLOD)
SHORTLANDS	10 03		
	10 60		

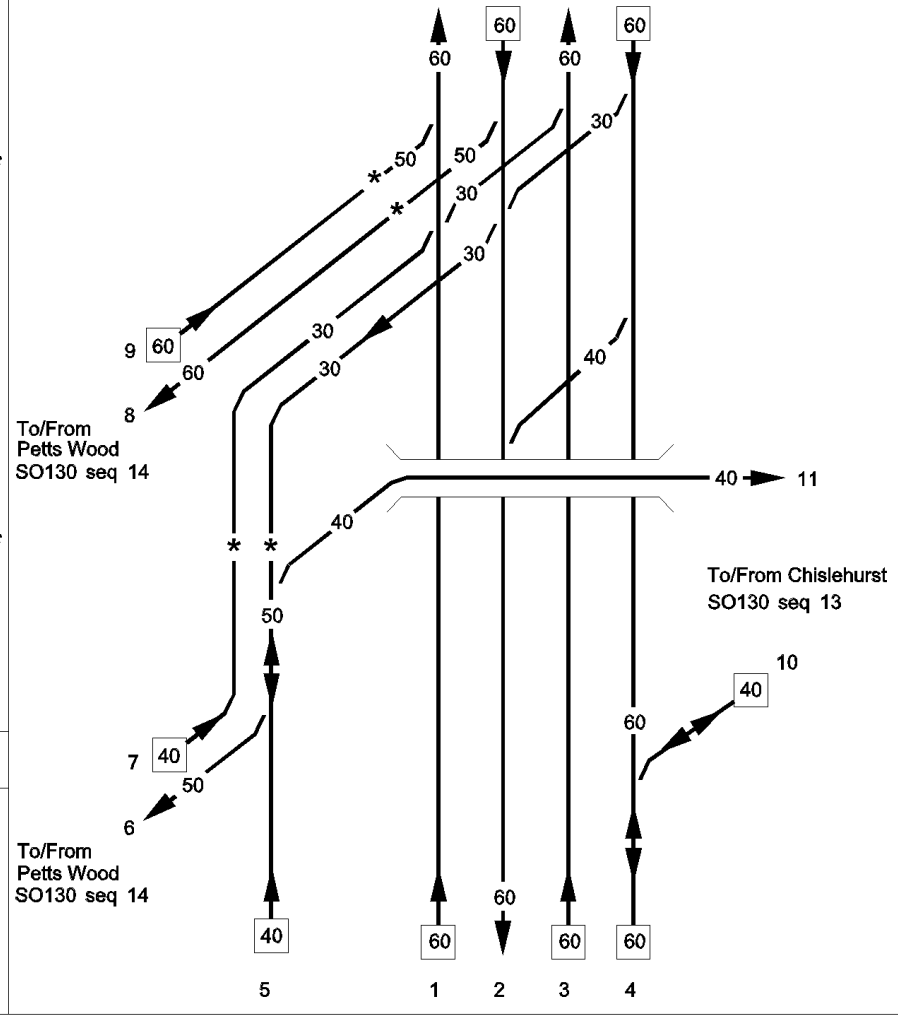


1 Up Chatham Fast
2 Down Chatham Fast
3 Up Chatham Slow
4 Down Chatham Slow
5 Up Chatham Main
6 Down Chatham Main
7 Up Catford Loop
8 Down Catford Loop
9 Up Ravensbourne Chord
10 Down Ravensbourne Chord

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	010	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	19/03/2016

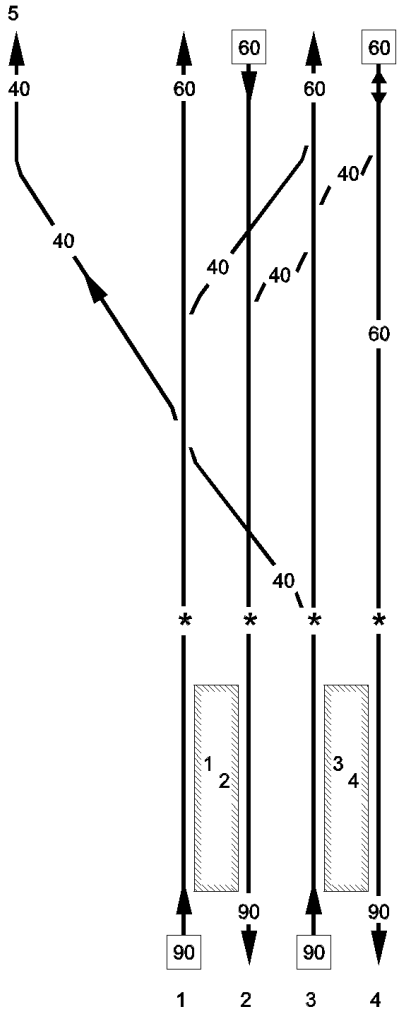
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BROMLEY SOUTH	10 71		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham
Bromley South TP Hut	11 21		
BICKLEY	11 76		1 Up Chatham fast 2 Down Chatham fast 3 Up Chatham Slow 4 Down Chatham Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	011	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR TLP1 TLP2 CSM1 CSM2	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Bickley Jn	12 38		TCB Victoria SB (VS) RA8 DC: Lewisham GSM-R
	(12 40) *		
(Petts Wood Jn Fast Loop)	(13 29)		
Chislehurst Substation	12 59		
	(12 61) *		
(Chislehurst Jn)	(11 31)		
(Hawkwood Jn)	(12 74)		
	(11 68)		
St Mary Cray Down Jn	12 79		
	(11 71)		
(Petts Wood Jn Slow Loop)	(13 35)		

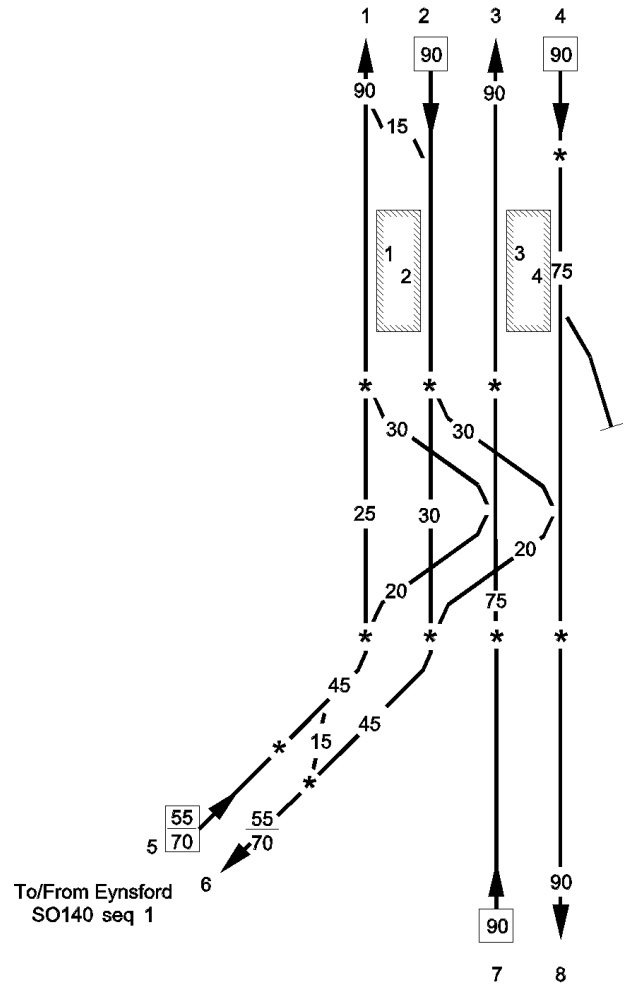
1 Up Chatham Fast
2 Down Chatham Fast
3 Up Chatham Slow
4 Down Chatham Slow
5 Up Chatham Loop
6 Down Slow Tonbridge Loop
7 Up Slow Tonbridge Loop
8 Down Fast Tonbridge Loop
9 Up Fast Tonbridge Loop
10 Reversible Chatham Loop
11 Up Chatham Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	012	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR CSM3	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Victoria SB (VS) RA8 DC: Lewisham GSM-R
St Mary Cray Up Jn	13 17		
	13 46 *		
St Mary Cray Substation	14 40		DC: Paddock Wood
ST MARY CRAY	14 57	T	

1 Up Chatham Fast
2 Down Chatham Fast
3 Up Chatham Slow
4 Down Chatham Slow
5 Up Chatham Loop

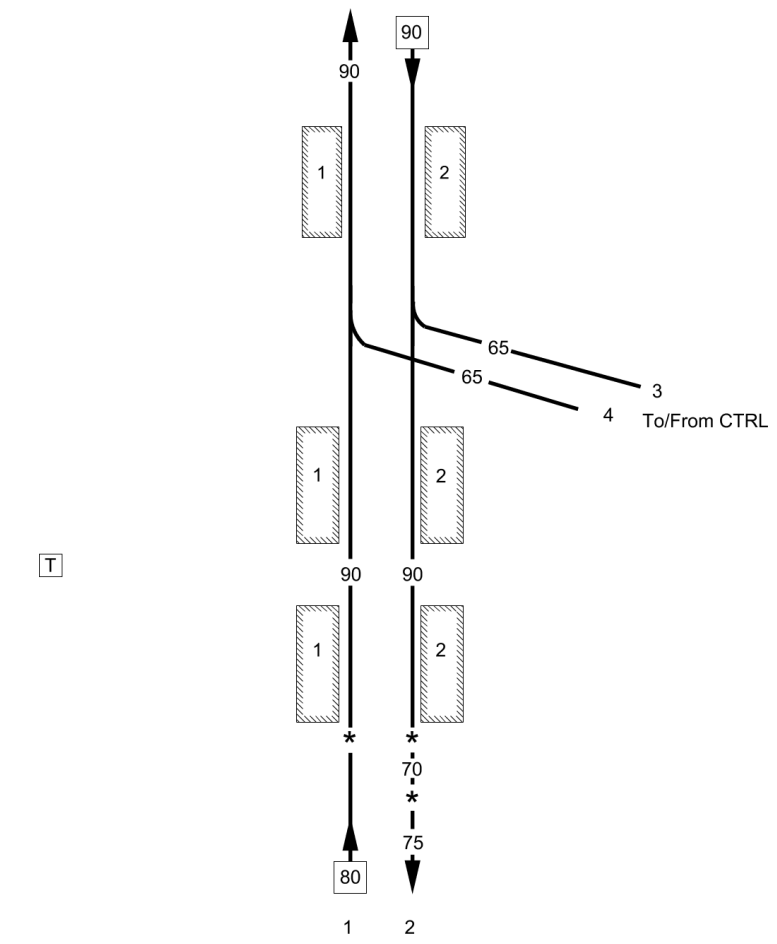
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	013	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR SBJ	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Wheelchex on UF and US line	16 08		GSM-R TCB Victoria SB (VS) RA8 DC: Paddock Wood
	17 12 *		
SWANLEY	17 31		
	17 37 *		
Swanley Jn	17 46		
	17 50 *		
	(17 69) *		① - Down siding out of use.

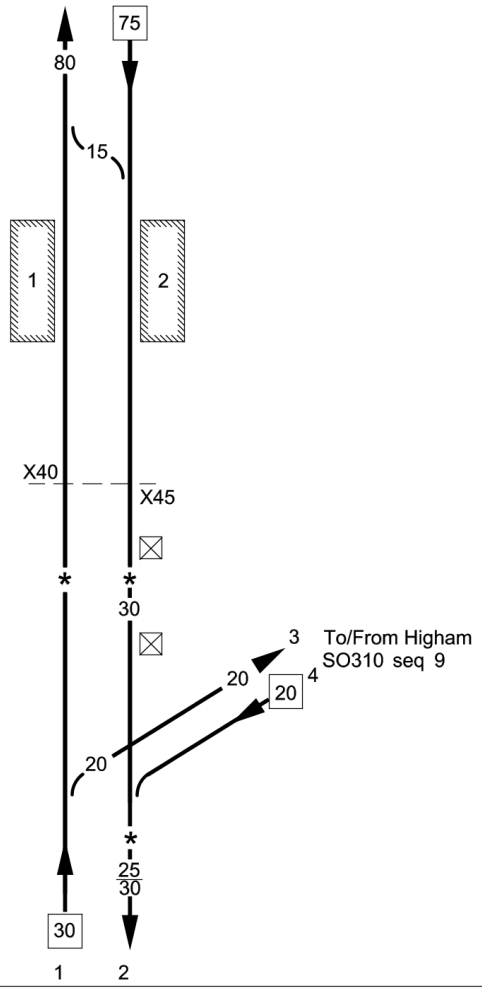
1 Up Chatham Fast
2 Down Chatham Fast
3 Up Chatham Slow
4 Down Chatham Slow
5 Up Maidstone
6 Down Maidstone
7 Up Chatham Main
8 Down Chatham Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	014	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR FJS	Kent / Sussex	26/01/2019

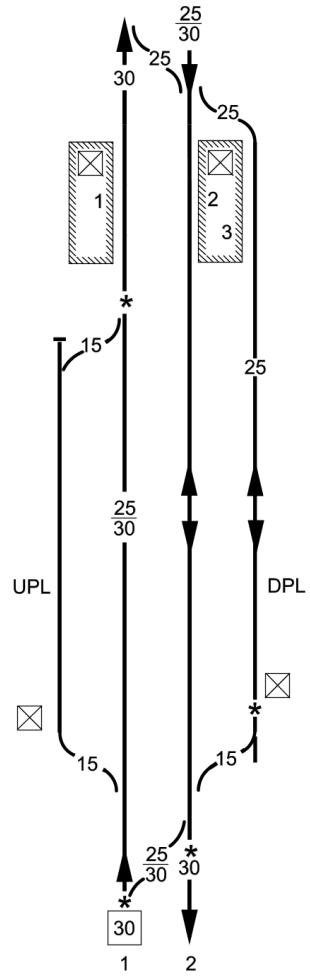
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Victoria SB (VS) RA8 DC: Paddock Wood
Tweed Hill Substation	19	16		
FARNINGHAM ROAD	20	41		
Darenth Substation	20	78		
Fawkham Junction	22	49		
Fawkham Substation	22	59		
LONGFIELD	23	30		GSM-R East Kent Signalling Centre (EK)
Hartley Substation	24	36	T	(BLUEBELL HILL 30)
MEOPHAM	25	76		Axle Counter area 24m 04ch
Meopham Substation	26 26 26	00 * 02 20 *		
				1 Up Chatham Main 2 Down Chatham Main 3 Down Waterloo Connection 4 Up Waterloo Connection



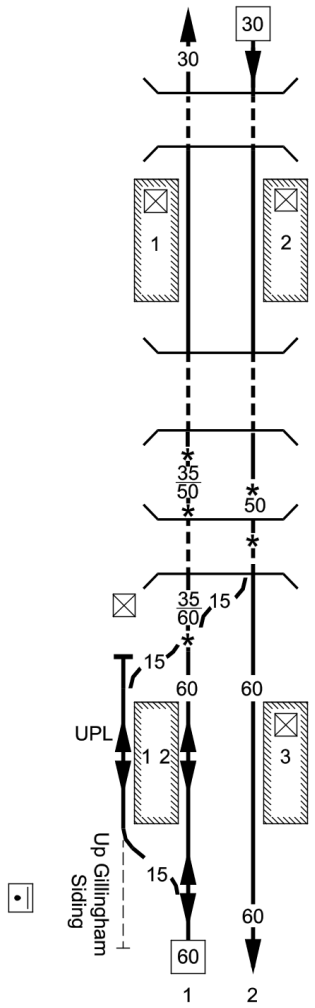
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	015	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR HDR	Kent / Sussex	21/05/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood
SOLE STREET	26 71		
Cobhambury TP Hut	27 56		
Lower Bush Substation	29 30		
Pebble Lane LC (R/G-X)	30 37		
Merrals Shaw TP Hut	31 10		LOD (T) Areas 9001/9002
	32 20 *		
(**STROOD**)	(31 11)		LOD (T) Areas 9001 / 9002 9003 / 9004
Strood Substation	32 70		
	(31 23)		
Rochester Bridge Jn	33 01		
	(31 34)		
	33 18 *		
			1 Up Chatham 2 Down Chatham 3 Up North Kent 4 Down North Kent

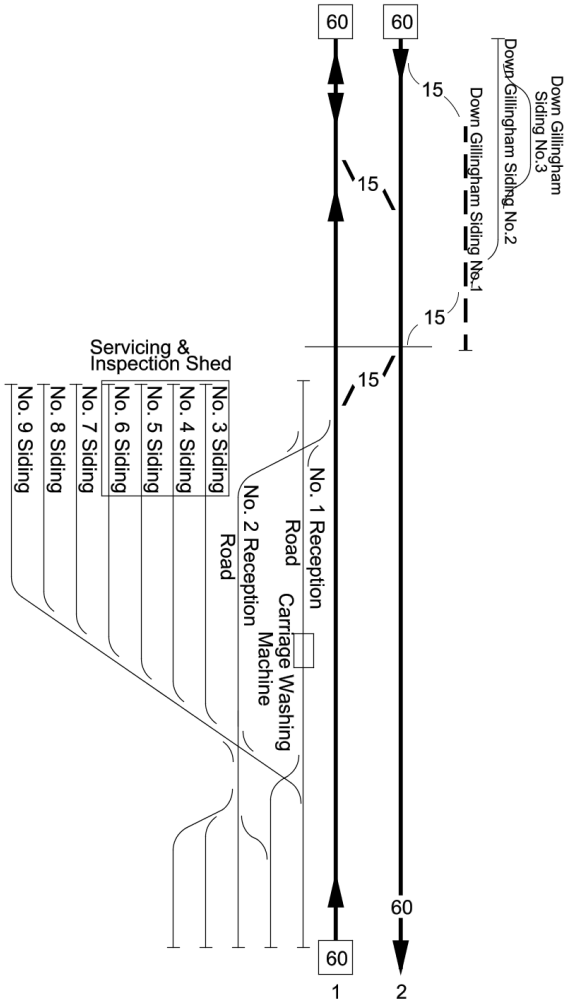
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	016	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	03/03/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood
ROCHESTER	33 34		LOD (T) Areas 9003/9005/9007 LOD (T) Areas 9004/9006
	33 44 *		Platform 3 PP-A (Down direction) Also permitted for platform sharing during times of significant service interruption
Rochester TP Hut	33 48		DPL (Down Rochester Loop) 110 UPL (Up Rochester Loop) 45
	33 63 *		LOD (T) Areas 9005/9007/9009 LOD (T) Areas 9006/9008/9010
	33 76 *		
	33 77 *		1 Up Chatham 2 Down Chatham

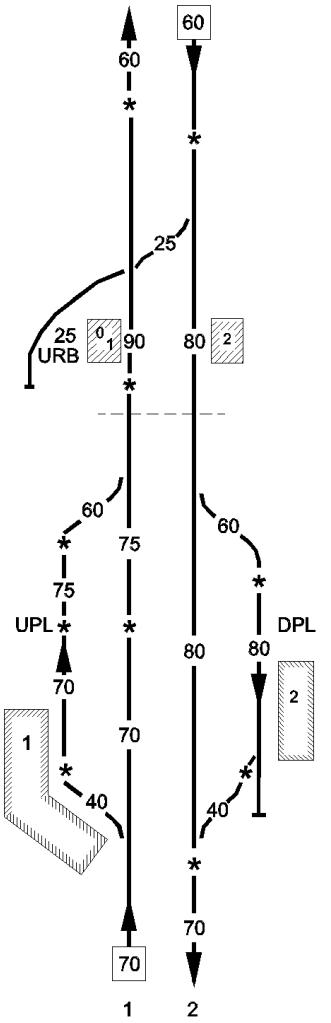
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	017	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	05/12/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood
Fort Pitt Tunnel (428 yards)	33 79 to 34 19		LOD (T) Areas 9009/9011 LOD (T) Areas 9010/9012
CHATHAM	34 25		
Chatham TP Hut	34 33		
Chatham Tunnel (297 yards)	34 34 to 34 48		
Luton Arch TP Hut	34 53 * 34 55 * 35 02 * 35 06 *	T	
Gillingham Tunnel (897 yards)	35 07 to 35 47 35 65 *		Axle Counter Area 35m 54ch LOD (T) Areas 9012/9014 Platform 1 PP-A Platform 2 PP-A Down Direction (Up direction during significant service disruption) Platform 3 PP-A (Detaching only) Platform 1 Also permitted for platform sharing during times of significant service interuptions.
GILLINGHAM	35 75		LOD (T) Areas 9011/9014 Up Gillingham Loop and Up Chatham platform line reversible UPL (Up Gillingham Loop) 35 (reversible)
East Kent Signalling Centre (EK)	36 05		1 Up Chatham 2 Down Chatham

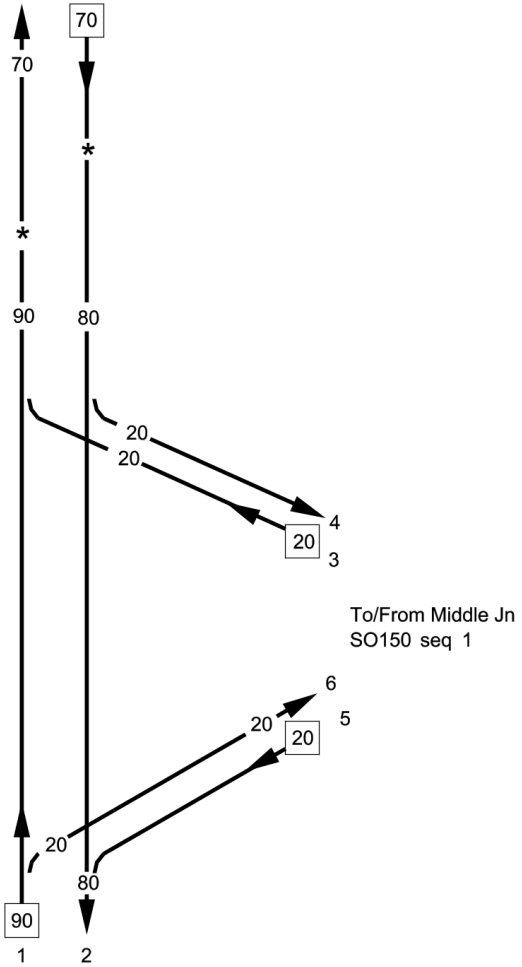
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	018	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	01/07/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Gillingham LC (CCTV)	36 17		GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood
Gillingham Substation	36 18		Axle Counter Area 36m 35ch
			1 Up Chatham 2 Down Chatham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	019	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	02/04/2016

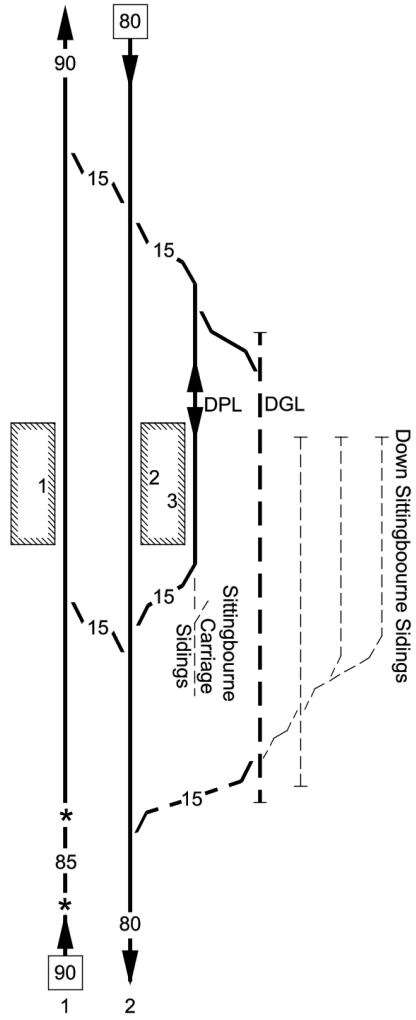
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood
	36 66 *		
	36 70 *		
Twydall TP Hut	37 61		
RAINHAM	38 74		URB Up Rainham Bay Platform 0 PP
Station Road LC (CCTV)	39 01		
Rainham Substation	39 23		GSM-R DC: Canterbury
	39 33 *		(Boundary for ECR at 39m 23ch)
Rainham East	39 41		
	39 43 *		
Hartlip TP Hut	40 72		
	41 34 *		DPL Down Newington Loop UPL Up Newington Loop
NEWINGTON	41 44 *		
	41 53 *		1 Up Chatham 2 Down Chatham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	020	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR WMS	Kent / Sussex	01/04/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Newington Substation	42 40		GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
	42 50 *		
	42 77 *		
Western Jn	43 70		
(Hollands Crossing)	(43 77)		
(Middle Jn)	(44 13)		
Chalkwell TP Hut	44 13		
Eastern Jn	44 18		
	0 00		

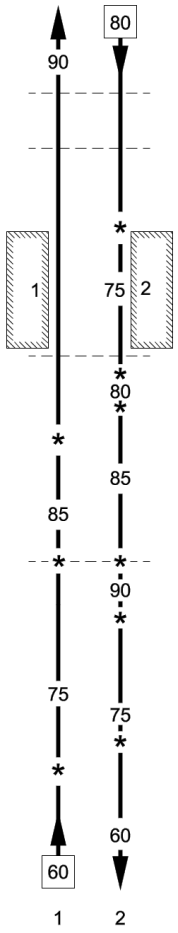
1 Up Chatham
2 Down Chatham
3 Up Sheppey Spur
4 Down Sheppey Spur
5 Up Sheppey
6 Down Sheppey

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	021	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	02/05/2016

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury GSM-R
SITTINGBOURNE	44	59			DPL (Down Sittingbourne Passenger Loop) 29. DGL (Down Sittingbourne Goods Loop) 54. Platform 2 PP-A Platform 3 PP-A Also permitted for platform sharing during times of significant service interuptions.
Sittingbourne Substation	45	55			
	46	13	*		
	46	33	*		1 Up Chatham 2 Down Chatham

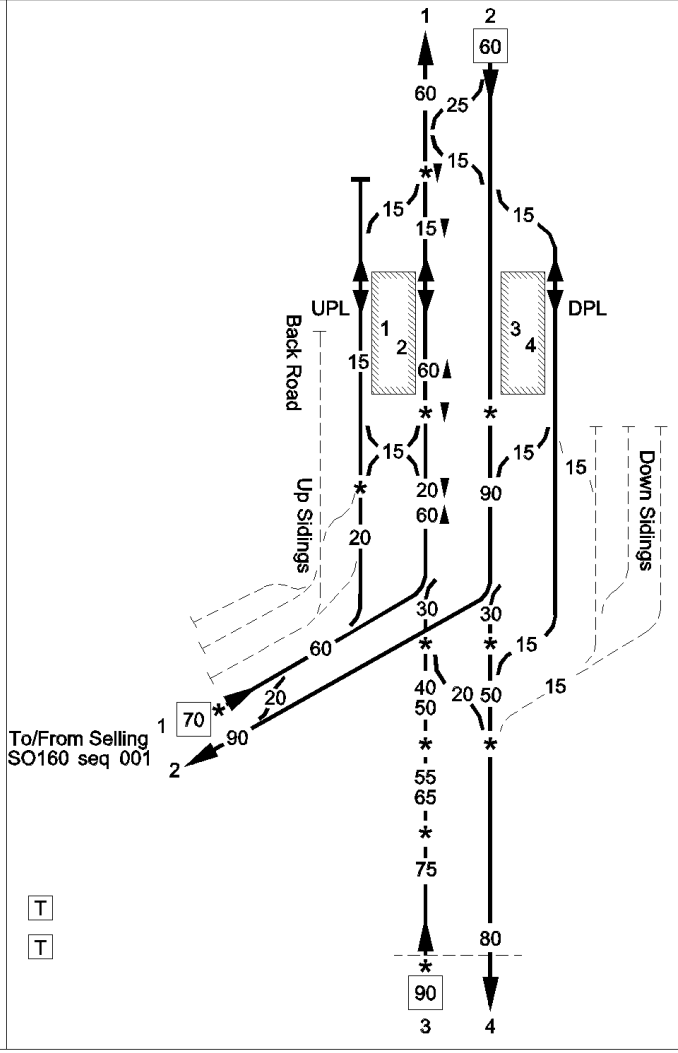
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	022	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	20/04/2024

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury GSM-R
Bax Crossing R/G-X	47	02	T	
Frognall TP Hut	47	24		Axle counter area
Frognall Farm Crossing	47	37	T	
	47	70 *		
TEYNHAM	47	74	T	
Teynham LC (CCTV)	47	79		
	48	00 *		
	48	20 *		
	48	36 *		
Teynham Substation	48	72		
Stone LC (AHBC)	49	40 *	T	
	50	27 *		
Luddenham TP Hut	50	39	T	
	51	20 *		Axle counter area - 51m 46ch
	51	40 *		

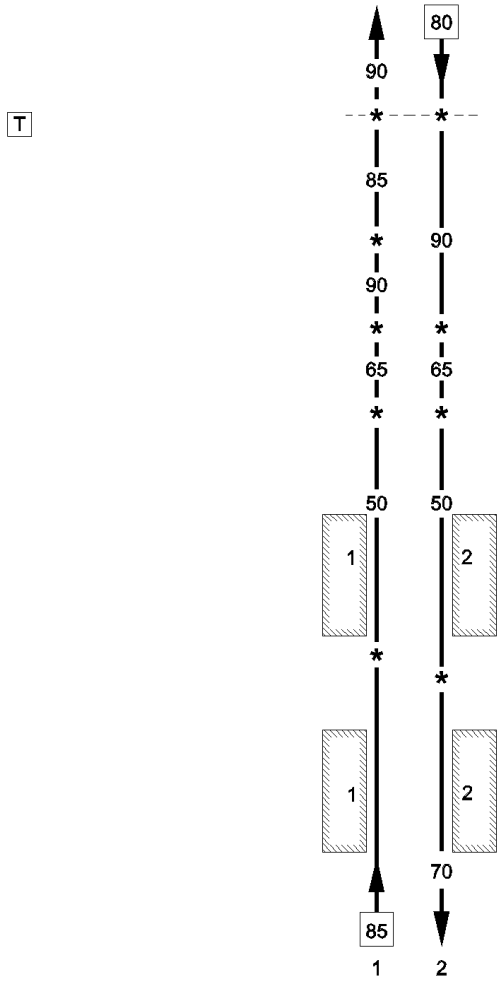


1 Up Chatham
2 Down Chatham

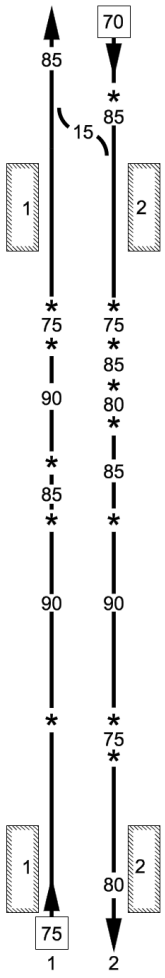
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	023	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR FDM	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
	51 66 *		DPL 33. UPL 33.
FAVERSHAM	51 77		Platform 1 PP Platform 2 PP Platform 3 PP -A Platform 4 PP
	52 04 *		
	52 06 *		
	52 12 *		
	52 15 *		
Faversham Substation	52 16		
	52 21 *		
	52 32 *		
	53 05 *		Axle counter area 52m 31ch
Culmers TP Hut	53 68	T	
Austin Crossing	53 74 53 77 *	T	1 Up Chatham 2 Down Chatham 3 Up Thanet 4 Down Thanet

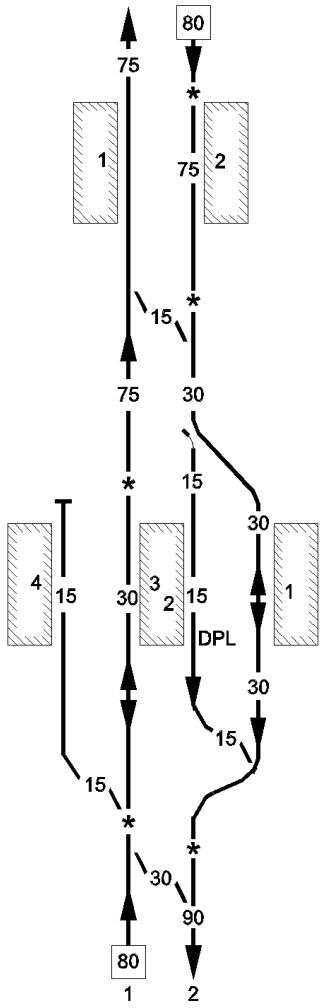
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	024	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB east Kent Signalling Centre (EK) RA8 DC: Canterbury
Graveney LC (AHBC)	54 77 *	T	Axle counter area
Graveney Substation	55 42		
	56 16 *		
Seasalter TP Hut	57 21		
	57 40 *		
	58 40 *		
Whitstable Substation	58 79		
WHITSTABLE	59 06		
	59 12 *		
	59 17 *		
CHESTFIELD & SWALECLIFFE	60 45		
Chestfield TP Hut	60 62		
			1 Up Thanet 2 Down Thanet

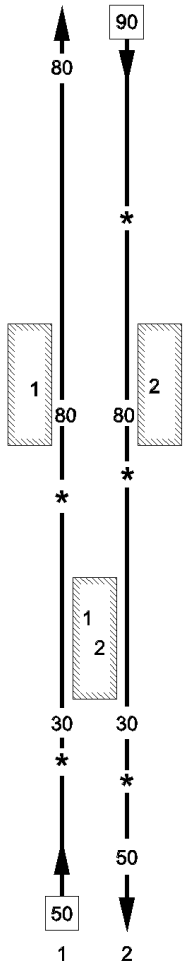
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	025	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	13/03/2024

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
	62	24	*		
Herne Bay Substation	62	46			Axle counter area
HERNE BAY	62	58			
	63	37	*		
	63	52	*		
	63	73	*		
	63	79	*		
Broomfield TP Hut	64	21			
	65	65	*		
Reculver Substation	65	76			
	66	20	*		
Coldharbour TP Hut	67	52			
Chandlers R/G-X	67	17			
Minnis Bay Substation	69	27			
	70	20	*		
	70	29	*		
BIRCHINGTON	70	56			
Birchington TP Hut	71	04			1 Up Thanet 2 Down Thanet

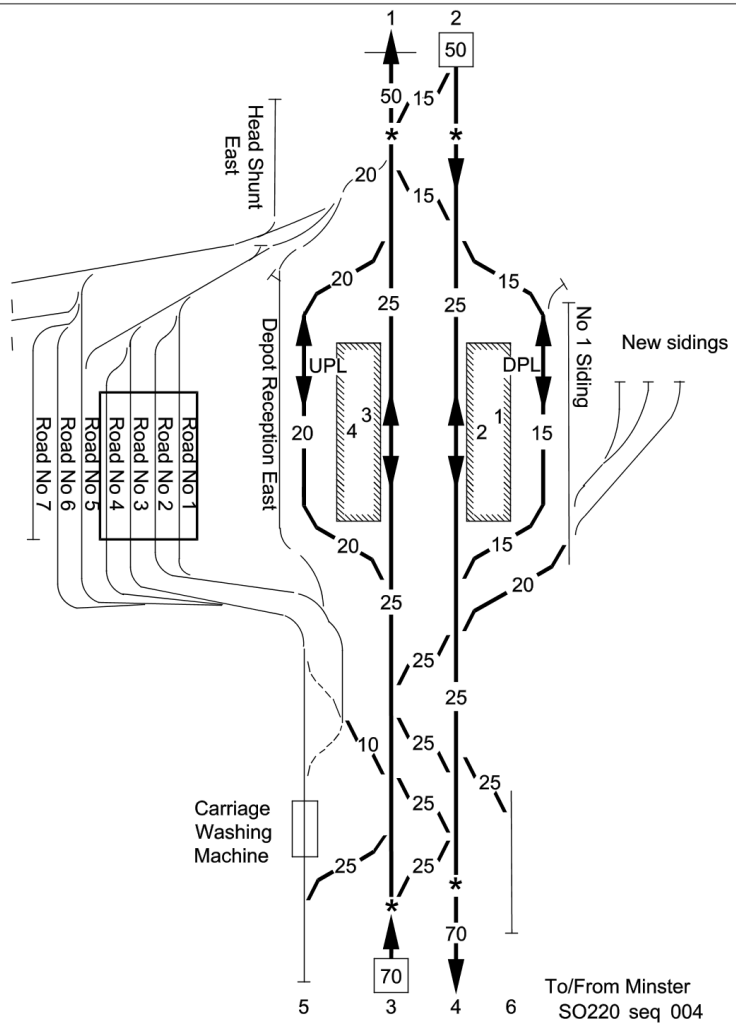
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	026	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
	72 25 *		Axle counter area
WESTGATE-ON-SEA	72 35		
Westgate Substation	72 58		
	73 51 *		
	73 60 *		Platform 1& 2 PP.A (Detaching only)
MARGATE	73 69		Platform 4 PP DPL 40
	74 01 *		
	74 04 *		
Margate TP Hut	74 36		1 Up Thanet 2 Down Thanet

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	027	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
	75 51		Axle counter area
Broadstairs Substation	76 13		
	76 25 *		
BROADSTAIRS	77 09		
	77 73 *		
	77 74 *		
Dumpton Park TP Hut	77 76		
DUMPTON PARK	78 26		
	78 50 *		Axle counter area 78m 46ch
	78 51 *		
			1 Up Thanet 2 Down Thanet

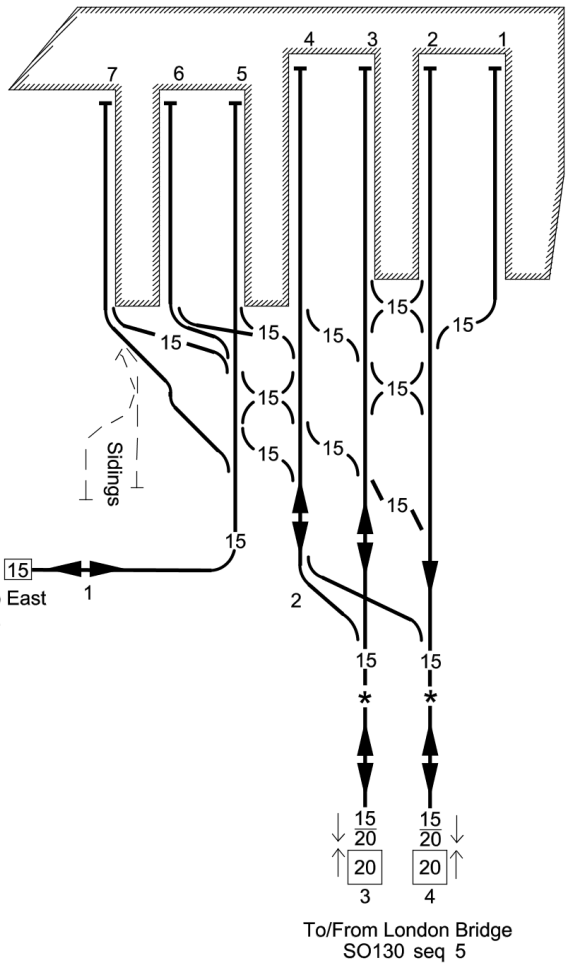
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	028	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR REY1 REY2 ACR	Kent / Sussex	26/08/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	79 00 *		TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury GSM-R
St Lawrence Substation	79 14		
RAMSGATE (Change of mileage)	79 21 85 67		UPL 35 DPL 35 Platforms 1-4 PP All platform lines are reversible. 1 Up Thanet 2 Down Thanet 3 Down Stour 4 Up Stour 5 Depot Reception West 6 Up Siding West
	85 35 * 85 34 *		
Ramsgate Substation	85 22		

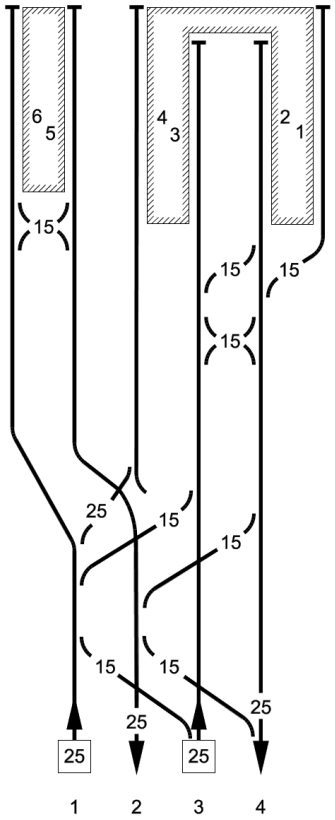
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	001	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	XTD CBM CSW	Kent / Sussex	02/12/06

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED CANNON STREET TO BOROUGH MARKET JUNCTION ..... MAXIMUM PERMISSIBLE SPEED 20 MPH CANNON STREET TO METROPOLITAN JUNCTION..... MAXIMUM PERMISSIBLE SPEED 15 MPH CHARING CROSS TO HITHER GREEN ..... MAXIMUM PERMISSIBLE SPEED 60 MPH HITHER GREEN TO PETTS WOOD JUNCTION ..... MAXIMUM PERMISSIBLE SPEED 70 MPH PETTS WOOD JUNCTION AND ORPINGTON ..... MAXIMUM PERMISSIBLE SPEED 70 MPH ON SLOW LINES ..... MAXIMUM PERMISSIBLE SPEED 75 MPH ON FAST LINES HST 90 ORPINGTON TO 23 M.P. (END OF CURVE IN SEVENOAKS TUNNEL) ..... MAXIMUM PERMISSIBLE SPEED 80 MPH ON DOWN LINE HST 90 22M 53CH (LONDON END OF SEVENOAKS TUNNEL) ..... MAXIMUM PERMISSIBLE SPEED 80 MPH ON UP LINE HST 90 23 M.P. TO FOLKESTONE CENTRAL/EUROTUNNEL INTERFACE ..... MAXIMUM PERMISSIBLE SPEED 90 MPH ON DOWN LINE HST 100 *indicator positioned at country end of Sevenoaks Tunnel ASHFORD AND SEVENOAKS ..... MAXIMUM PERMISSIBLE SPEED 70 MPH OVER SIMPLIFIED BI-DIRECTIONAL SECTION EUROTUNNEL INTERFACE/ FOLKESTONE CENTRAL TO 22M 53CH ..... MAXIMUM PERMISSIBLE SPEED 90 MPH ON UP LINE HST 100 FOKESTONE CENTRAL TO DOVER PRIORY ..... MAXIMUM PERMISSIBLE SPEED 75 MPH	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	002	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	CBM CSW	Kent / Sussex	01/01/2018

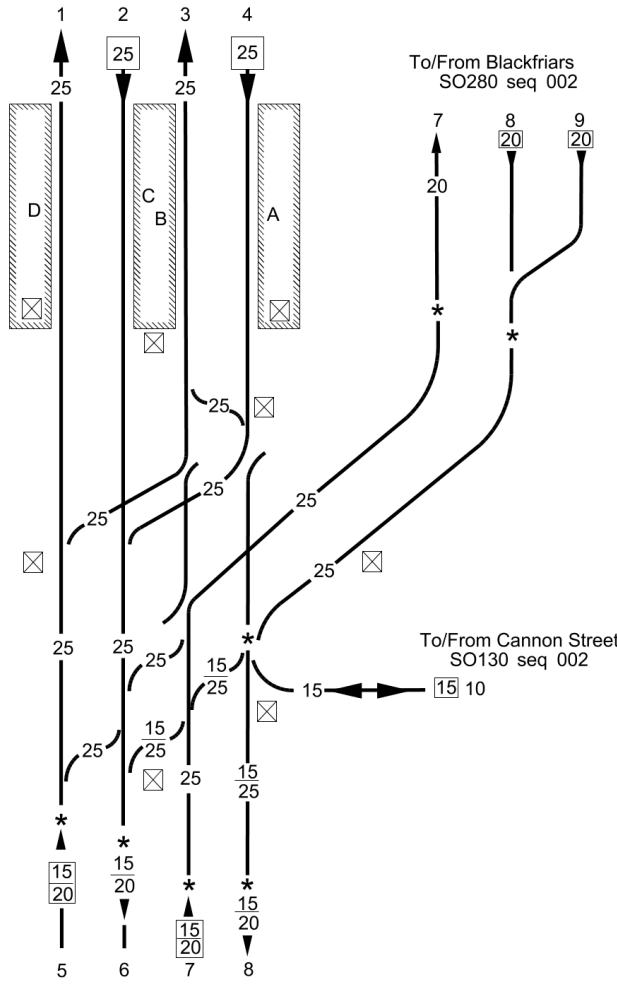
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CANNON STREET	0 00		GSM-R
	(1 73)		TCB Three Bridges ROC (TL) Cannon Street 'A' Workstation RA8 DC: Lewisham
			Authorised Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route.
			Platforms 1-7 PP
Cannon Street Substation	0 20		A.W.S. not provided at signals TL71, TL73, TL75 and TL77.
	(1 53))		A.W.S. not provided for emergency and temporary speed restrictions.
(Metropolitan Jn)	(1 31)		
Borough Market Jn (Change of mileage)	0 38		
	(1 51)		
(LONDON BRIDGE)	(1 69)		1 Metropolitan Reversible 2 Cannon Street Reversible 3 Up Cannon Street 4 Down Cannon Street

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	003	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	05/09/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CHARING CROSS	0 00		TCB Three Bridges ROC (TL) Charing Cross Workstation RA4 DC: Lewisham GSM-R Platforms 1-6 PP A.W.S not provided for emergency and temporary speed restrictions between Charing Cross & New Cross.
Belvedere Road Jn	0 37		

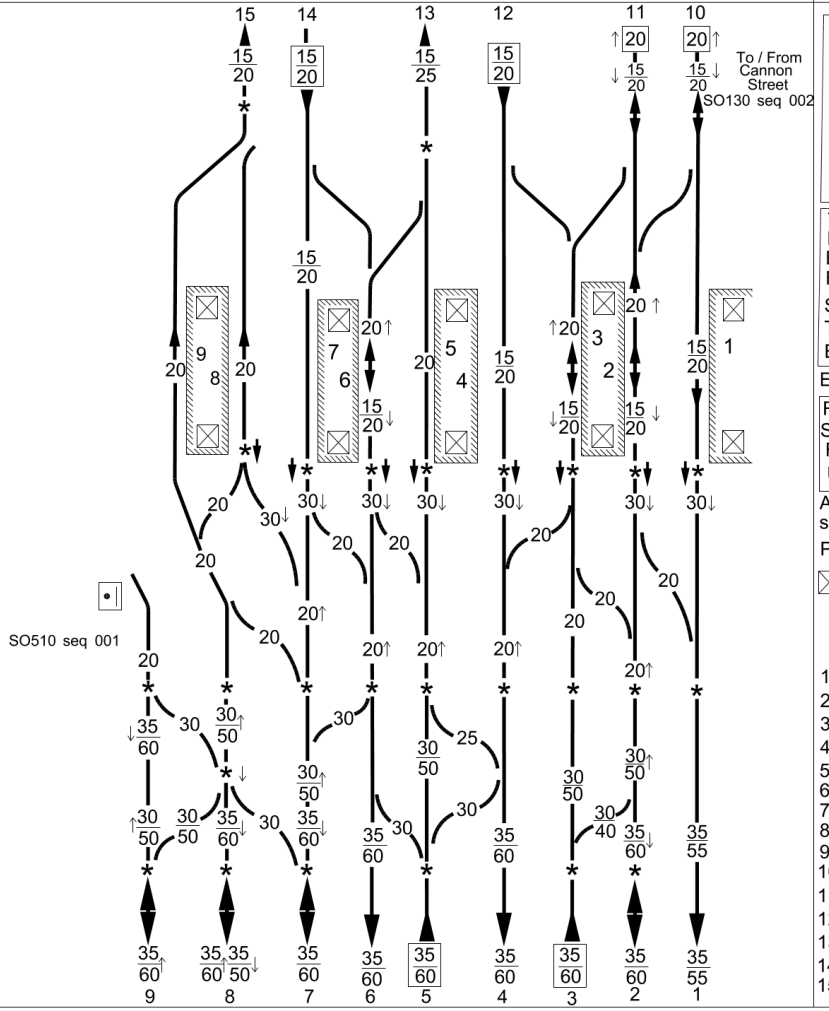
1 Up Charing Cross Fast
2 Down Charing Cross Fast
3 Up Charing Cross Slow
4 Down Charing Cross Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	004	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface(via Tonbridge)	XTD BMJ CSW	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WATERLOO EAST	0 61		TCB Three Bridges ROC (TL) Charing Cross Workstation PoSA lines 1,2,3,4,5 and 6 RA4 DC: Lewisham TCB Three Bridges ROC (TL) PoSA Core South Workstation ERTMS L2 Overlay lines 7,8 and 9 RA4 DC: Lewisham Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated Emergency Point and Route Release Area ☒ LOD(T) Traffic Lock Out Device - Inhibits all movements on designated line(s) N.B Full details of the protection afforded is as detailed in the lineside case A.W.S not provided for emergency and temporary speed restrictions. RA8 All lines 1 Up Charing Cross Fast 2 Down Charing Cross Fast 3 Up Charing Cross Slow 4 Down Charing Cross Slow 5 Up Charing Cross 6 Down Charing Cross 7 Up Snow Hill 8 Down Snow Hill 9 Down Snow Hill Spur 10 Metropolitan Reversible
	(0 73) *		
	(0 76) *		
Southwark Substation	1 03		
Ewer Street Jn	1 23		
Metropolitan Jn	1 31 *		
(CANNON STREET)	(1 73)		
	1 47 *		
	1 49 *		
(Borough Market Jn)	1 50		
	1 51 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	005	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	30/10/2021

Location	Mileage M Ch
	1 54 *
	1 58 *
LONDON BRIDGE	1 69
	(0 00)
	1 77 *
	1 78 *
Holyrood Substation	(2 03)
	0 15
London Bridge SB (L)	2 02
	(0 18)
London Bridge TP Hut	2 08
	(0 24)
	2 09 *
Brunswick Court Jn	2 18
	2 20 *
Abbey Street Jn	2 38
	2 41 *



Running lines & speed restrictions

Signalling & Remarks

GSM-R

TCB Three Bridges ROC (TL)
Charing Cross Workstation
6, 7, 8, 14 and 15
Cannon Street B Workstation Lines
1, 2, 3, 10 and 11
Lonon Bridge central L/E
Workstation Line 9
PoSA
RA8 DC: Lewisham

TCB Three Bridges ROC (TL)
PoSA Core South Workstation
ERTMS L2 Overlay 4, 5, 12 and 13
RA8 DC: Lewisham
Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated

Emergency Point and Route Release Area

RA4:10-Down Cannon Street,11-Up Cannon Street and 12- Down Snow Hill.
From 4 54 to 4 59
Until 01/03/2021

A.W.S not provided for emergency and temporary speed restrictions.

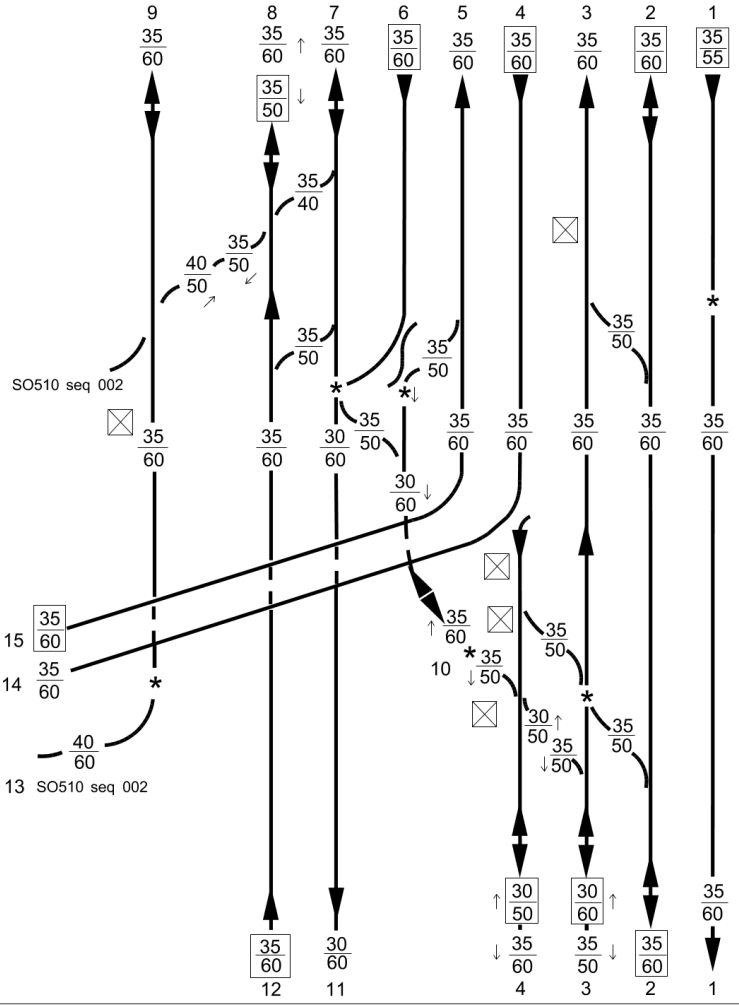
Platforms 2,8 & 9 - PF (Class 6,7,8 & 0 trains)

⊠ LOD(T) Traffic Lock Out Device
Inhibits all movements on designated line(s)
N.B Full details of the protection afforded is as detailed in the line side case

1 - 1 Down
2 - 2 Reversible
3 - 3 Up
4 - 4 Down
5 - 5 Up
6 - 6 Down
7 - 7 Reversible
8 - 8 Up
9 - 9 Reversible
10 - Down Cannon Street
11 - Up Cannon Street
12 - Down Sonw Hill
13 - Up Snow Hill
14 - Down Charing Cross
15 - Up Charing Cross

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	006	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Spa Road	(2 71) 1 07		
	2 78 *		
Southwark Park Road Jn	3 15		
	3 20 *		
South Bermondsey Substation	3 31 (1 44)		
Blue Anchor	3 32 (1 45)		
Corbetts Lane Jn	3 39		
	3 68 *		
	(1 73) *		
Surrey Canal Jn	3 75		



GSM-R

TCB Three Bridges ROC (TL)
Charing Cross Workstation (Lines 6, 7, 8, 11, & 12)
Cannon Street 'B' Workstation (Lines 1, 2, 3 & 10)
London Bridge Central L/E Workstation (Lines 9 & 13)
PoSA
RA4 (Lines 1 Down, 2 Reversible & 3 Up
RA8 - All other lines DC Lewisham

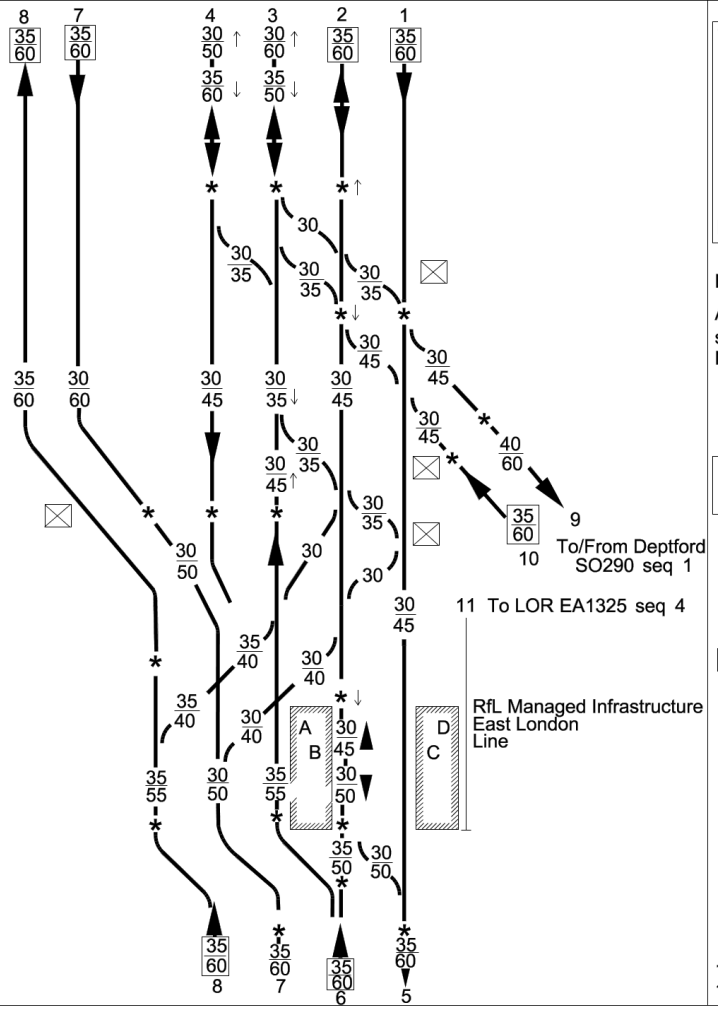
TCB Three Bridges ROC (TL)
Core South Workstation (lines 4,5, 14 and 15)
PoSA
ERTMS L2 Overlay
RA8 DC: Lewisham
Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated

Emergency point and route release area.
A.W.S not provided for emergency and temporary speed restrictions.

⊠ LOD(T) Traffic Lockout Device inhibits all movements on designated lines.
NB. Full details of the protection afforded is as defined in the lineside case.

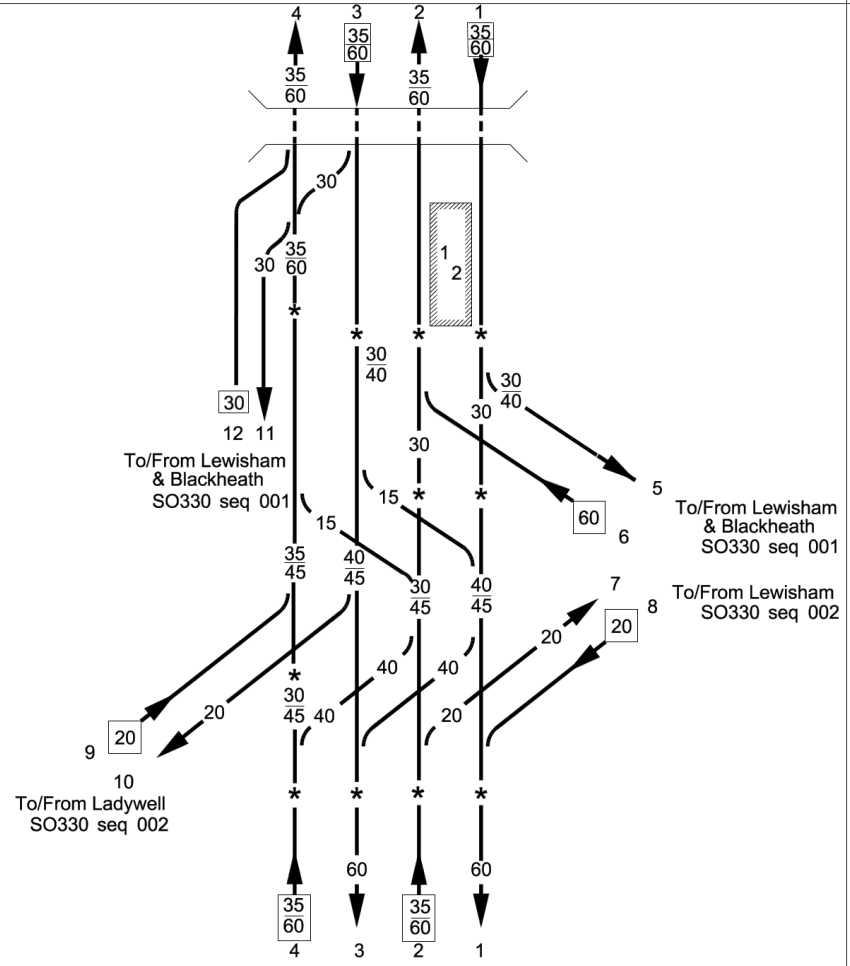
1. Down
2. Reversible
3. 3 Up
4. 4 Down
5. 5 Up
6. 6 Down
7. 7 Reversible
8. 8 Up
9. 9 Reversible
10 Southwark Reversible
11. Down Kent Fast
12. Up Kent Fast
13. Down Sussex Slow
14. Down Sussex Fast
15. Up Sussex Fast

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	007	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Ineterface (via Tonbridge)	XTD NKL	Kent / Sussex	26/11/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC (TL) Charing Cross Workstation (Lines 7 & 8) Cannon Street 'B' Workstation (Lines 1, 2, 3, 4, 5, 6, 9 & 10) PoSA RA4 - Lines 1 Down, 2 Reversible and 3 Up RA8 - All Other Lines DC Lewisham Emergency point and route release area. AWS not provided for emergency and temporary speed restrictions between Charing Cross and New Cross RA8 All lines LOD (T) Traffic lockout device inhibits all movements on designated line(s). NB. Full details of the protection afforded is as defined in the lineside case. 1. 1 Down 2. 2. Reversible 3. 3 Up 4. 4 Down 5. Down Kent Slow 6. Up Kent Slow 7. Down Kent Fast 8. Up Kent Fast 9. Down Graeenwich 10. Up Greenwich 11. New Cross Single Line
	4 12 *		
	4 22 *		
North Kent East Jn	4 25		
	(4 29) *		
	(4 30) *		
New Cross TP Hut	4 42		
	4 43 *		
	4 58 *		
Edward Street Jn	4 60 *		
NEW CROSS	4 68		
UKF, 3UP	4 75 *		
2REV	4 76 *		
New Cross East Jn	5 00		
2REV	5 04 *		
DKS, DKF	5 07 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	008	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	XTD LVT BEX LLL NCS	Kent / Sussex	15/10/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Lucas Street (Tanners Hill) Tunnel (87 yards)	5 22 to 5 26		
Tanners Hill Jn	5 29		
	5 36		
ST JOHNS	5 47		
	5 45 *		
St Johns Jn	5 54 *		
	5 75 *		
School Jn	6 01		
Parks Bridge Jn	6 14		
	6 19 *		
Courthill Loop South Jn	6 35		
	(6 43)		
	6 48 *		



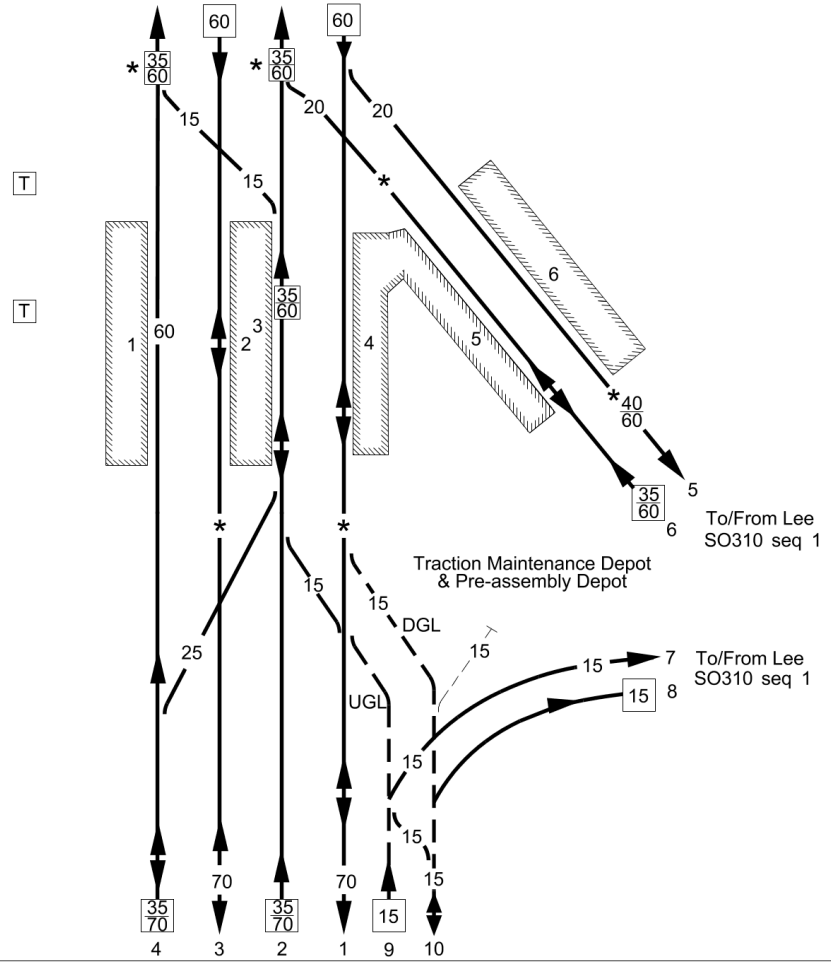
GSM-R

TCB Three Bridges ROC
RA8 Lewisham Workstation (TL)
DC: Lewisham

1 Down Kent Slow
2 Up Kent Slow
3 Down Kent Fast
4 Up Kent Fast
5 Down North Kent
6 Up North Kent
7 Up Courthill Loop
8 Down Courthill Loop
9 Up Ladywell Loop
10 Down Ladywell Loop
11 Down Tanners Hill
12 Up Tanners Hill

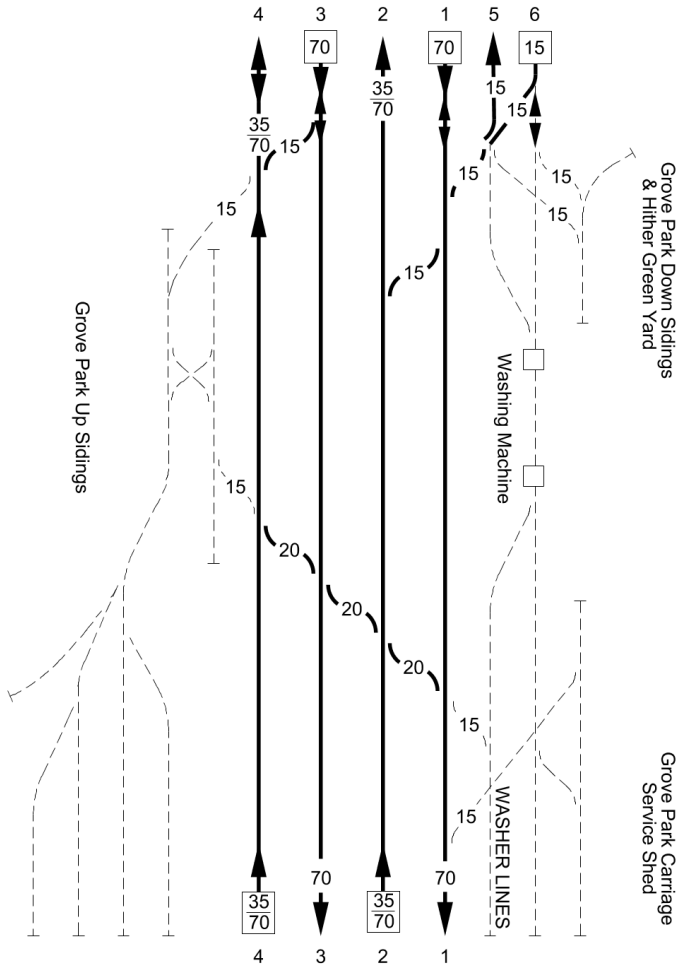
Three Bridges ROC
Grove Park A Workstation (TL)

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	009	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	XTD HDR LEE	Kent / Sussex	05/09/2020

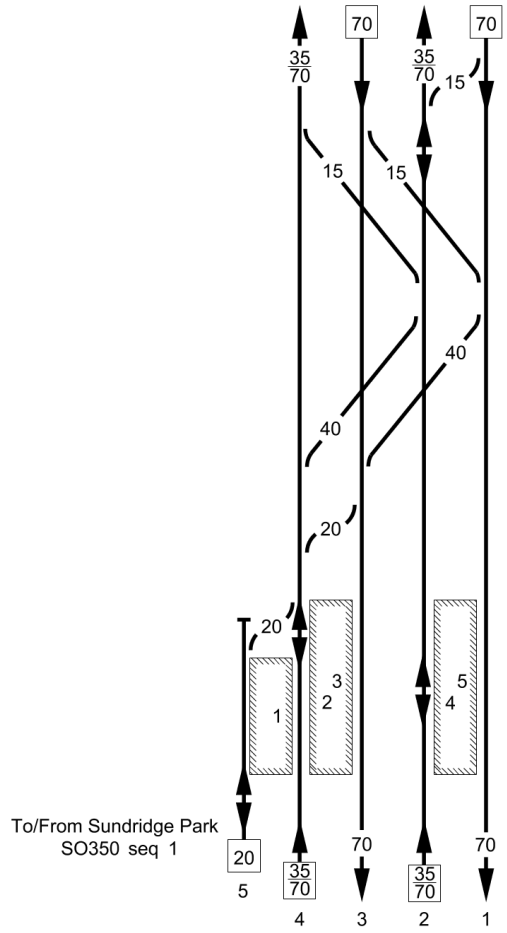
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Hither Green Jn	7 03 7 04		TCB Three Bridges ROC Grove Park B workstation (TL) RA8 DC: Lewisham GSM-R
Hither Green Substation	(7 07) * T		Axle Counter Area
HITHER GREEN	7 16 T		
	7 30 *		DGL 28 (not permissive). UGL 33 (not permissive).
(Lee Loop Jn)	(7 45)		
	(0 00)		
	(0 26) CW		
Lee Spur Jn	7 44		
	(0 29)		

1 Down Kent Slow
2 Up Kent Slow
3 Down Kent Fast
4 Up Kent Fast
5 Down Dartford Loop
6 Up Dartford Loop
7 Down Hither Green Spur
8 Up Hither Green Spur
9 Up Hither Green Departure Road
10 Down Hither Green Arrival Road

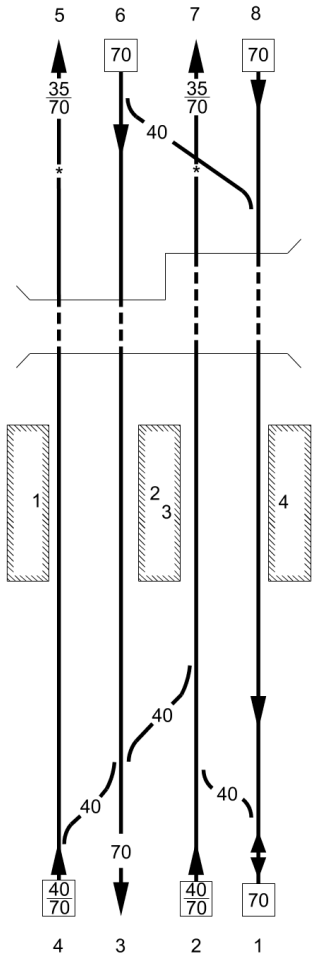
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	010	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	05/09/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Bramdean TP Hut	8 10		TCB Three Bridges ROC Grove Park B workstation (TL) RA8 DC: Lewisham GSM-R Axle Counter Area 1 Down Kent Slow 2 Up Kent Slow 3 Down Kent Fast 4 Up Kent Fast 5 Up Hither Green Departure Road 6 Down Hither Green Arrival Road

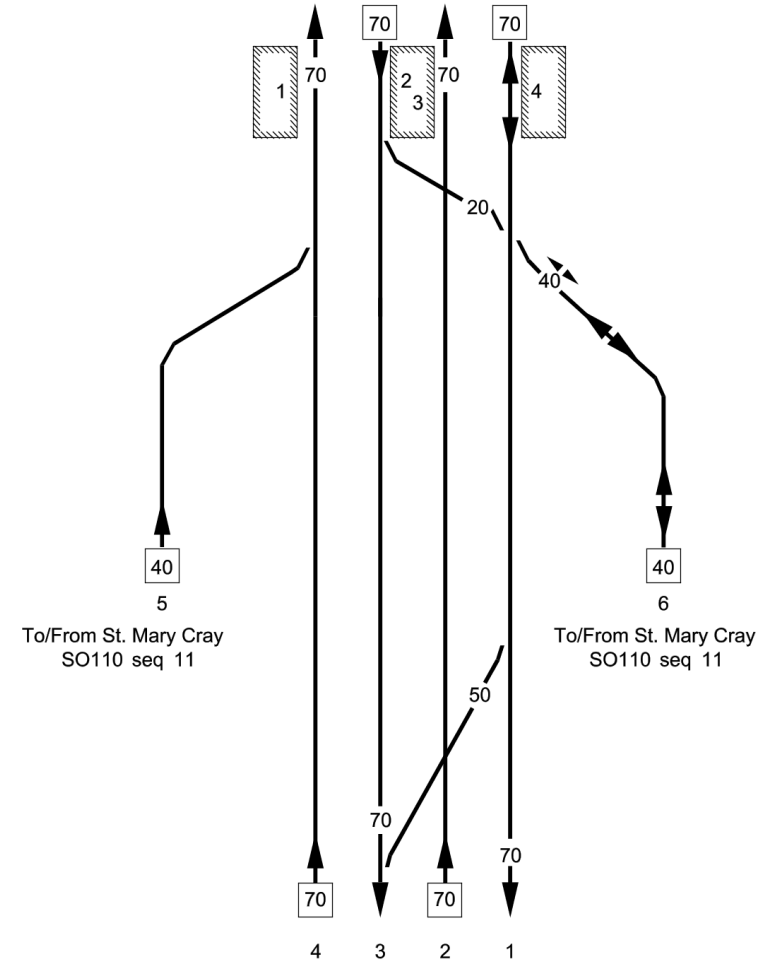
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	011	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD BNG	Kent / Sussex	05/09/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
GROVE PARK	8 78		TCB Three Bridges ROC Grove Park B workstation (TL) RA8 DC: Lewisham GSM-R Axle Counter Area A.W.S bell indication will only be received at signal L320 when Up Fast line signal L318 is also displaying a green aspect. 1 Down Kent Slow 2 Up Kent Slow 3 Down Kent Fast 4 Up Kent Fast 5 Up & Down Bromley Branch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	012	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	05/09/2020

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
Grove Park Substation	9	05		TCB Three Bridges ROC Grove Park B workstation (TL) RA8 DC: Lewisham GSM-R
	9	20		Axle Counter Area
Chislehurst Slow Tunnel (649 yards)	9	61		TCB Ashford IECC (AD) RA8 DC: Lewisham GSM-R
Chislehurst Fast Tunnel (591 yards)	9	63		
Chislehurst Tunnels	10	10		
ELMSTEAD WOODS	10	21		
Elmstead Woods TP Hut	10	27		1 Down Slow 2 Up Slow 3 Down Fast 4 Up Fast 5 Up Kent Fast 6 Down Kent Fast 7 Up Kent Slow 8 Down Kent Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	013	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	XTD CSM2 CSM1	Kent / Sussex	11/07/2016

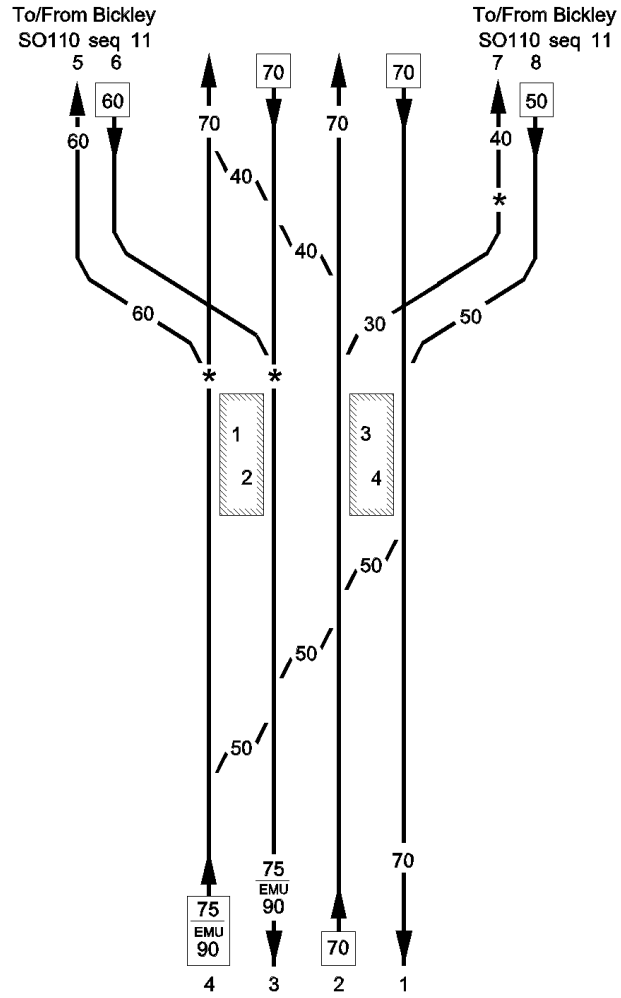
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CHISLEHURST	11 19		GSM-R TCB Ashford IECC (AD) RA8 DC: Lewisham
Chislehurst Jn	11 33		
Chislehurst Substation	11 49		
(Hawkwood Jn)	(11 68)		
(St. Mary Cray Down Jn)	(11 71)		

1 Down Slow
2 Up Slow
3 Down Fast
4 Up Fast
5 Up Chatham Loop
6 Reversible Chatham Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	014	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	XTD TLP1 TLP2	Kent / Sussex	19/03/2016

Location	Mileage M Ch
(Bickley Jn)	(12 38)
(Hawkwood Jn)	(12 74)
	(13 07) *
Petts Wood TP Hut	12 15
	(13 22)
Petts Wood Jn Fast Loop	12 24 *
	(13 29)
Petts Wood Jn Slow Loop	12 27
	(13 35)
PETTS WOOD	12 53

Running lines & speed restrictions



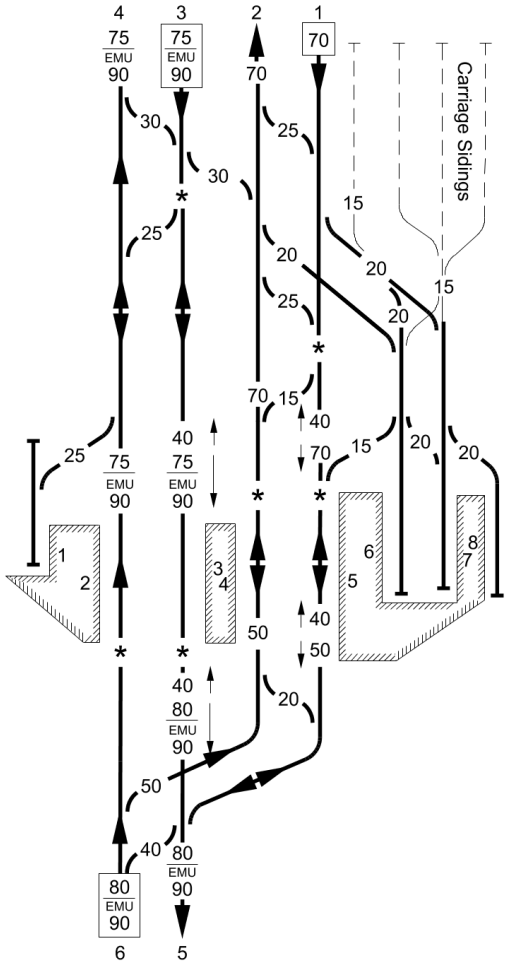
Signalling & Remarks

GSM-R

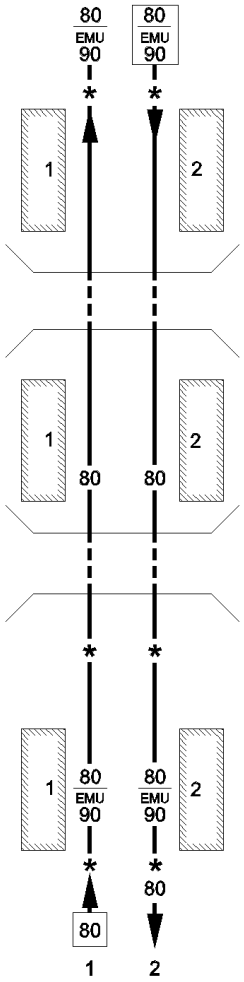
TCB Ashford IECC (AD)
RA8 DC: Lewisham

1 Down Slow
2 Up Slow
3 Down Fast
4 Up Fast
5 Up Fast Tonbridge Loop
6 Dowm Fast Tonbridge Loop
7 Up Slow Tonbridge Loop
8 Down Slow Tonbridge Loop

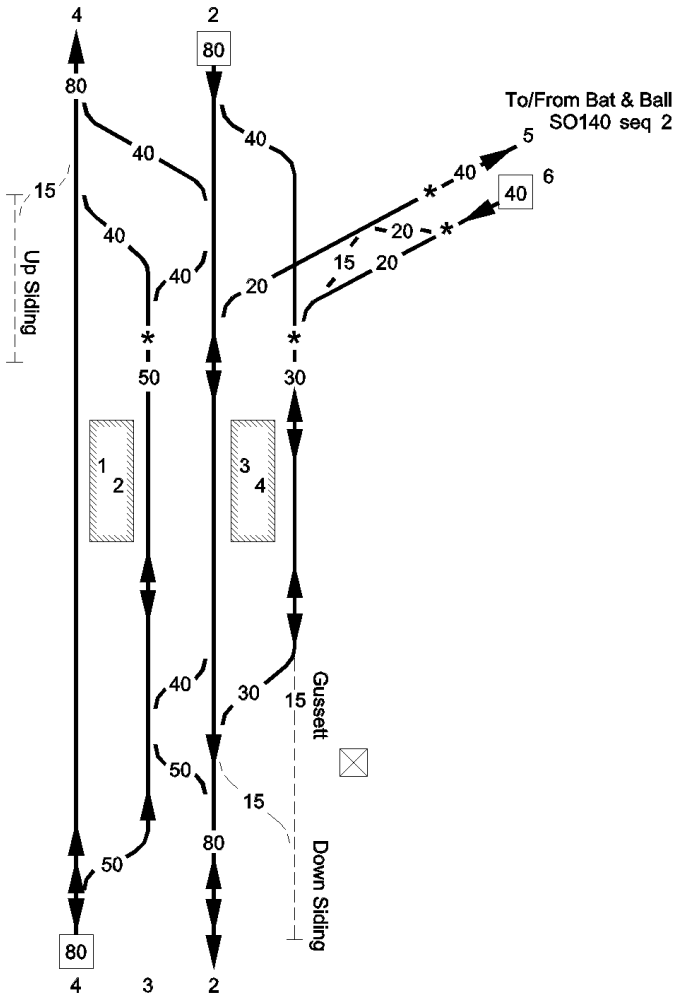
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	015	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	11/02/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Ashford IECC (AD) RA8 DC: Lewisham
	13 50 *		
	13 55 *		
	13 60 *		Platform 1 PP Platform 2 PP-A Platform 3 PP-A Platform 4 PP-A Platform 5 PP-A Platform 6 PP Platform 7 PP Platform 7 PP
ORPINGTON	13 65		
	13 70 *		
Orpington Substation	14 02		1 Down Slow 2 Up Slow 3 Down Fast 4 Up Fast 5 Down Main 6 Up Main

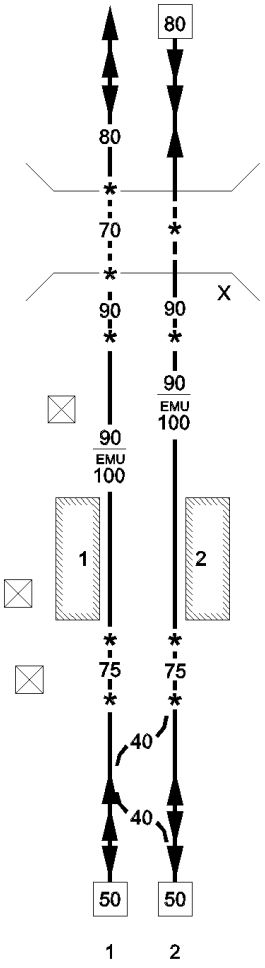
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	016	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	15 20 *		GSM-R TCB Ashford IECC (AD) RA8 DC: Lewisham
CHELSFIELD	15 25		DC: Paddock Wood
Chelsfield Substation	15 26		(Boundary for ECR at 15m 25ch)
Chelsfield Tunnel (597 yards)	15 67 to 16 14		
KNOCKHOLT	16 44		
Knockholt Substation	17 14	T	
Polhill Tunnel (1 mile 851 yards)	17 20 to 18 58		
Polhill Substation	18 68	T	
	19 10 *		
DUNTON GREEN	20 46		
	20 75 *		1 Up Main 2 Down Main

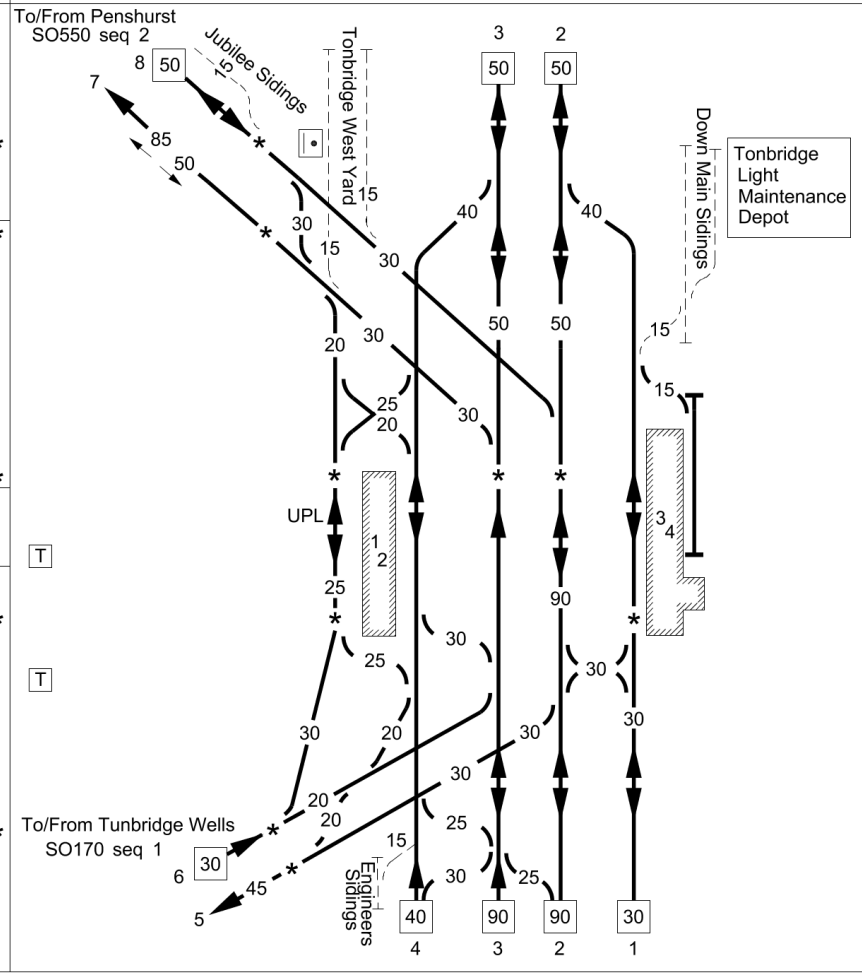
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	017	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD OJS	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Sevenoaks Substation	21 74 *		TCB Ashford IECC (AD) RA8 DC: Paddock Wood GSM-R
	(26 52)		
	22 01 *		
	(26 61)		
SEVENOAKS	22 09		Platform 1 PP-A Platform 2 PP-A Platform 3 PP-A Platform 4 PP-A Also permitted for platform sharing during times of significant service interuptions. Down Main and Up Loop platform lines are reversible. PLOD at 22m 28ch 1 Down Loop 2 Down Main 3 Up Loop 4 Up Main 5 Up Bat & Ball 6 Down Bat & Ball

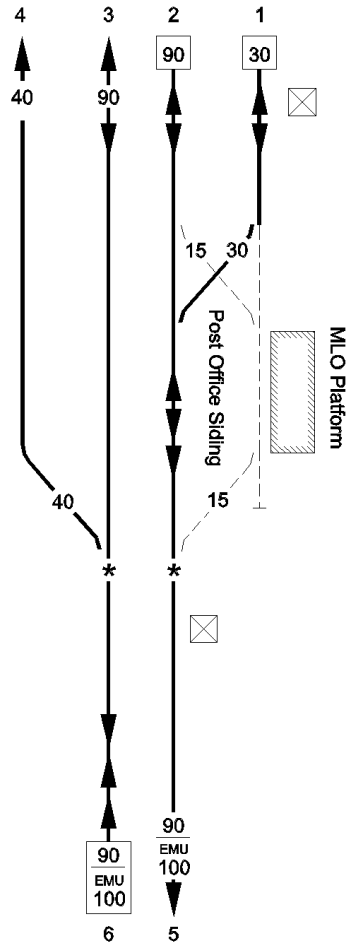
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	018	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Ashford IECC (AD) RA8 DC: Paddock Wood
Oakhill Substation	22	46			
Sevenoaks Tunnel (1 m 1693 yards)	22	52	*		
	23	00	*		X Indicator positioned at country end of Sevenoaks Tunnel.
Riverhill TP Hut	24	50	*		
	25	00	*		PLOD at 25m 09ch
Weald Substation	25	02			
Hildenborough Substation	27	00			
HILDENBOROUGH	27	02			
Hawden Substation	28	28			PLOD at 27m 11ch
	28	30	*		
	28	75	*		PLOD at 28m 74ch
					1 Up Main 2 Down Main

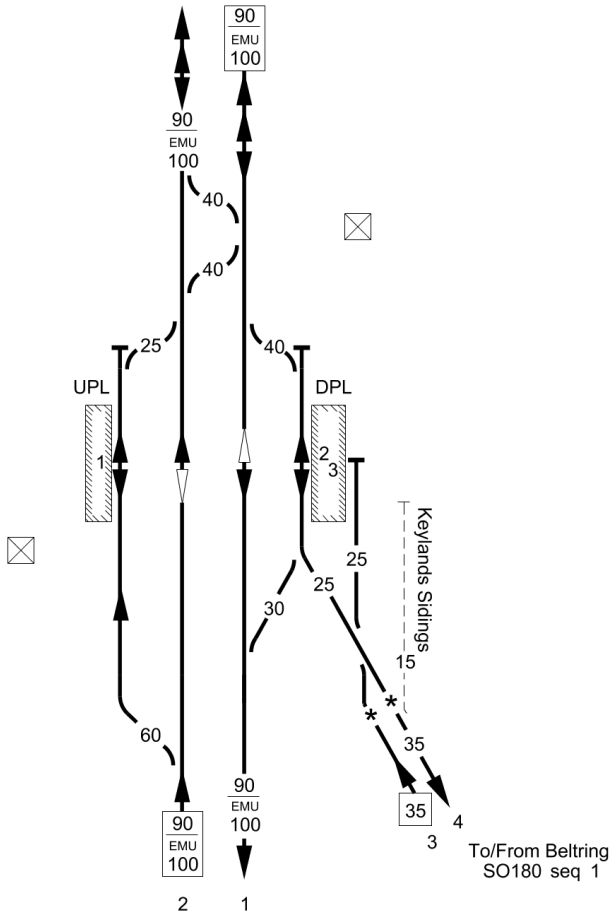
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	019	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	XTD RTT TTH	Kent / Sussex	02/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Tonbridge SB (PE)	(41 70) *		TCB Ashford IECC (AD) RA8 DC: Paddock Wood GSM-R
	29 24		
	41 77 *		
Tonbridge West Jn	29 35		Permissive Working PP Platforms 1-3 Both directions Platform 4 Down direction only
	29 36 *		
	(42 16)		
TONBRIDGE	29 46	T	UPL 33
	(42 10)		
	29 50 *		
Tonbridge Substation	29 53	T	
Tonbridge East Jn	29 55		
	(29 69) *		1 Down Slow 2 Down Fast 3 Up Fast 4 Up Slow 5 Down Hastings 6 Up Hastings 7 Up Godstone 8 Down Godstone

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	020	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

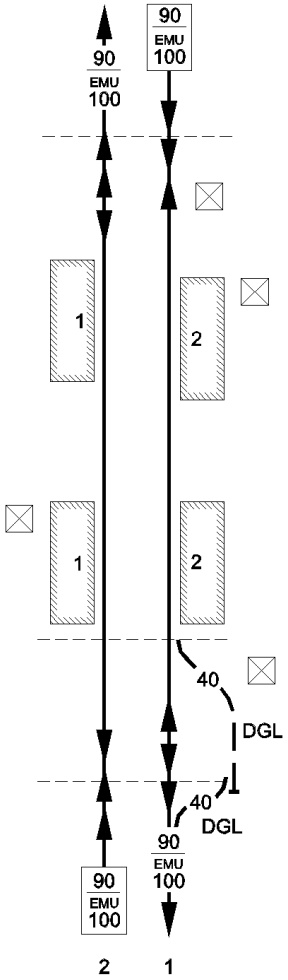
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Ashford IECC (AD) RA8 DC: Paddock Wood PLOD at 29m 67ch
	30 35 *		
Postern Substation	30 71		
Tudeley Substation	32 16		PLOD at 32m 14ch
Five Oak Green Substation	33 50		
			1 Down Slow 2 Down Fast 3 Up Fast 4 Up Slow 5 Down Main 6 Up Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	021	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD PWS1	Kent / Sussex	16/01/2022

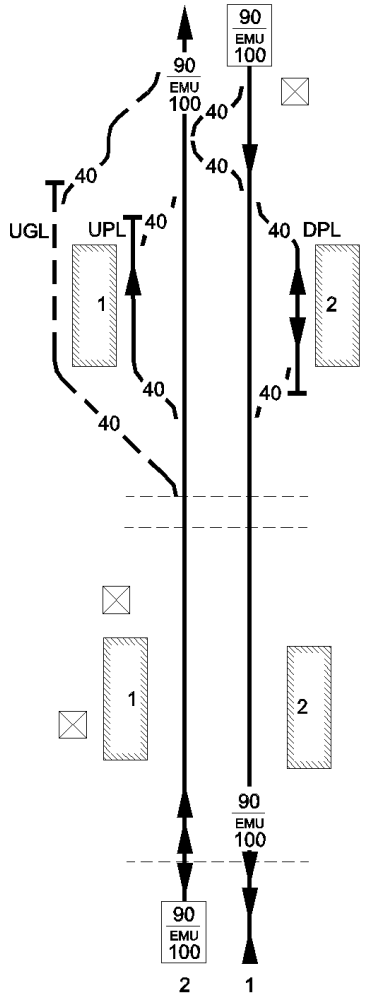
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Ashford IECC (AD) RA8 DC: Paddock Wood
			PLOD at 34m 50ch
PADDOCK WOOD	34 67		DPL 37 (Reversible for trains from Maidstone West line to Up Main line).
			PLOD at 34m 76ch
			UPL 83
	(35 02) *		
Paddock Wood Substation	35 27		
			1 Down Main 2 Up Main 3 Up Maidstone Branch 4 Down Maidstone Branch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	022	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

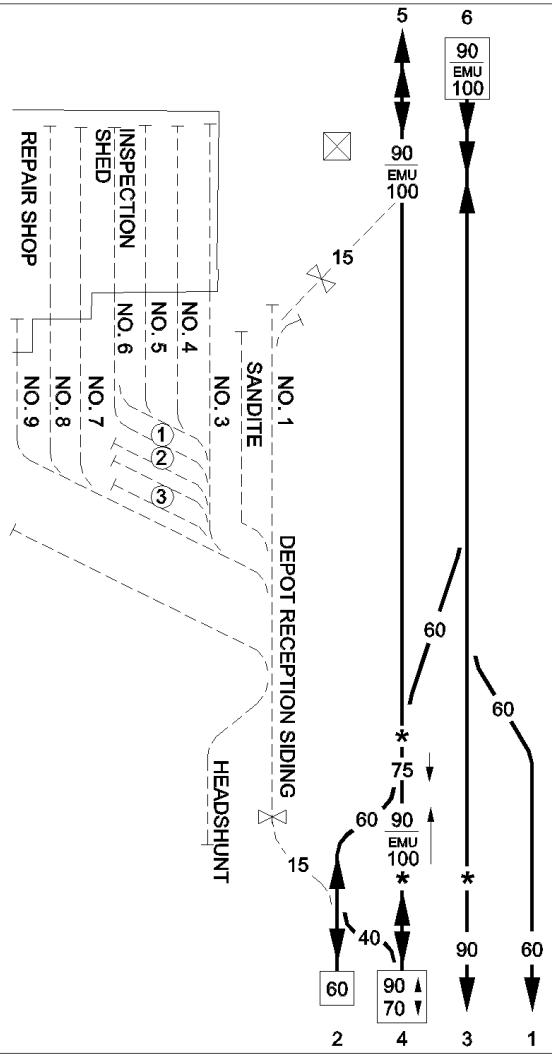
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Ashford IECC (AD) RA8 DC: Paddock Wood
Old Hay Crossing	35	51	T	
Collier Street Substation	36	65	T	PLOD at 37m 21ch
Marden Substation	38	51		PLOD at 39m 28ch
MARDEN	39	31	T	
Wanshurst Green Substation	40	34	T	
STAPLEHURST	41	70	T	PLOD at 41m 65ch
Fishers F/P Crossing	42	09		
Staplehurst Substation	42	16		PLOD at 42m 57ch
Cranmore Substation	43	79		DGL 117 (Cranmore Loop)
Church F/P Crossing	44	56		
				1 Down Main 2 Up Main



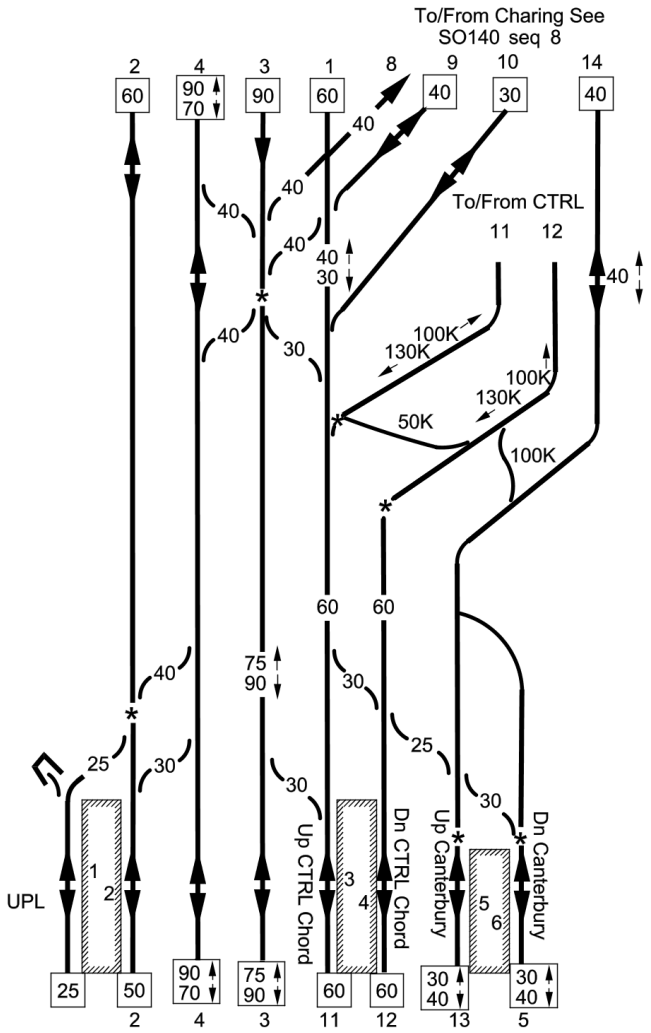
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	023	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Ashford IECC (AD) RA8 DC: Paddock Wood
				PLOD at 44m 72ch
				DPL 67 UPL 60 UGL 117
HEADCORN	45	20		Other Crossings also in this area:- East Dean F/P 46m 38ch Hegg Hill F/P 47m 36ch Berrys F/P 48m 32ch Woodside F/P 48m 78ch Dynes F/P 50m 79ch
Headcorn Substation	45	62		
New Bridge Lane (F/P)	46	00		
East End Crossing	46	11	T	
Swifts Green Substation	47	45		
Pluckley Substation	49	28		PLOD at 47m 64ch
PLUCKLEY	50	35		PLOD at 50m 36ch
Dowle Street Substation	51	12		
Hoads Wood Substation	52	76		
Chart Crossing	54	00	T	
Chart Substation	54	58		1 Down Main 2 Up Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	024	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

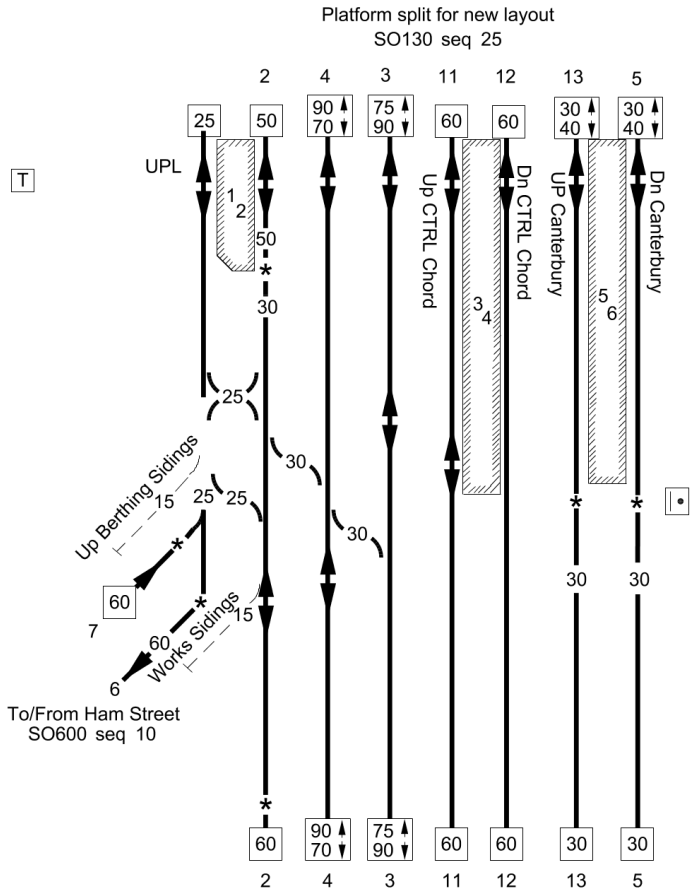
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Chart Leacon Feeder Hut	55 20 *		TCB Ashford IECC (AD) RA8 DC: Paddock Wood GSM-R PLOD at 54m 70ch ① - Refuelling bay ② - Oil Wagon Storage ③ - Cripple Sidings 1 Down Slow 2 Up Slow 3 Down Fast 4 Up Fast 5 Up Main 6 Down Main
	55 40 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	025	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD SBJ	Kent / Sussex	04/03/2017

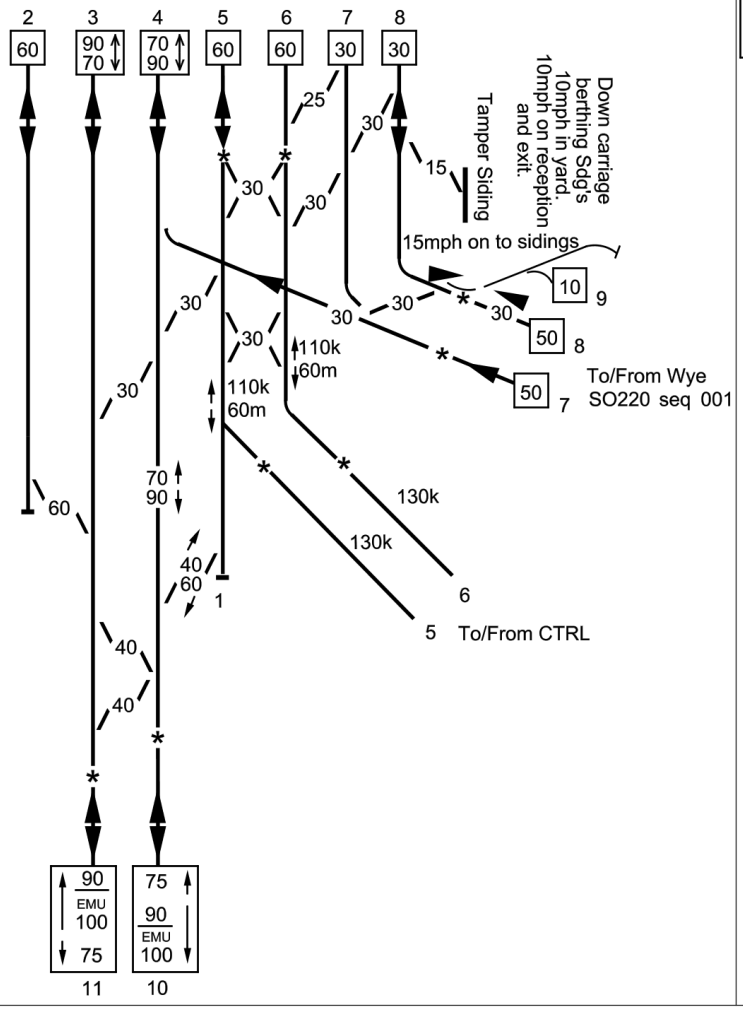
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Jn with Maidstone line	55 54 *		GSM-R
	(58 61)		TCB Ashford IECC (AD) RA8 AC: Paddock Wood DC: Paddock Wood
	55 71 *		Note: Speedboards also indicate maximum speeds in Kilometres per hour. These boards are circular with white numerals and a black background.
	55 77 *		25kV AC Overhead lines now electrified in Ashford area.
	56 08 *		Platform 1 PP Platform 2 PP Platform 5 PP Platform 6 PP
ASHFORD	56 09	T	1 Down Slow 2 Up Slow 3 Down Fast 4 Up Fast 5 Down Canterbury 6 Down Hastings 7 Up Hastings 8 Up Maidstone 9 Down Maidstone 10 Maidstone Loop 11 Up CTRL Chord 12 Down CTRL Chord 13 Up Canterbury 14 Maidstone relief

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	026	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD ATH	Kent / Sussex	18/05/2019

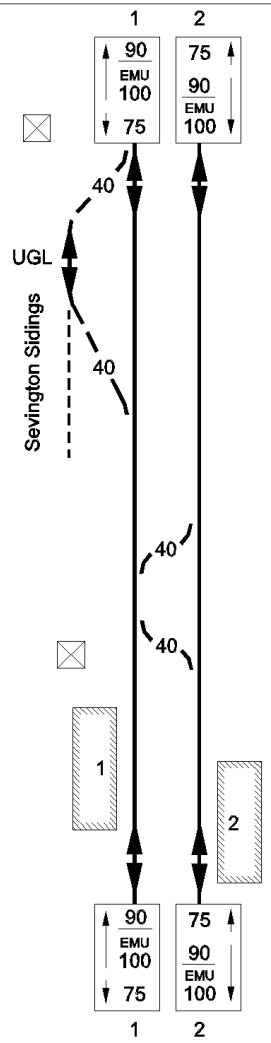
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
ASHFORD	56 09	T	GSM-R TCB Ashford IECC (AD) RA8 AC: Paddock Wood DC: Paddock Wood 25kV AC Overhead lines now electrified in Ashford area. Platform 1 PP Platform 2 PP Platform 5 PP Platform 6 PP
	56 15 *		
Jn with Hastings line	56 20		Note: Speedboards also indicate maximum speeds in Kilometres per hour. These boards are circular with white numerals and a black background.
Ashford IECC (AD)	56 21 *		
	(56 29) *		
	56 27 *		2 Up Slow 3 Down Fast 4 Up Fast 5 Down Canterbury 6 Down Hastings 7 Up Hastings 8 Up Maidstone 9 Down Maidstone 10 Maidstone Loop 11 Up CTRL Chord 12 Down CTRL Chord 13 Up Canterbury



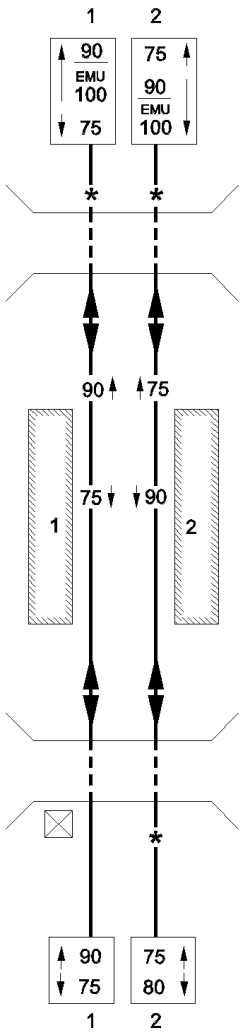
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	027	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD ACR	Kent / Sussex	26/02/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Ashford IECC (AD) RA8 DC: Paddock Wood AC: Paddock Wood Note: Speedboards also indicate maximum speeds in Kilometres per hour. These boards are circular with white numerals and a black background.
	56 31 *		
Jn with Canterbury Line	56 35		
Ashford Substation	56 43 (56 58) *		
	57 49 *		
	57 08 *		
	57 20 *		1 Down Slow 2 Up Slow 3 Up Fast 4 Down Fast 5 Up CTRL Chord 6 Down CTRL Chord 7 Up Canterbury 8 Down Canterbury 9 Bypass Road 10 Down Main 11 Up Main

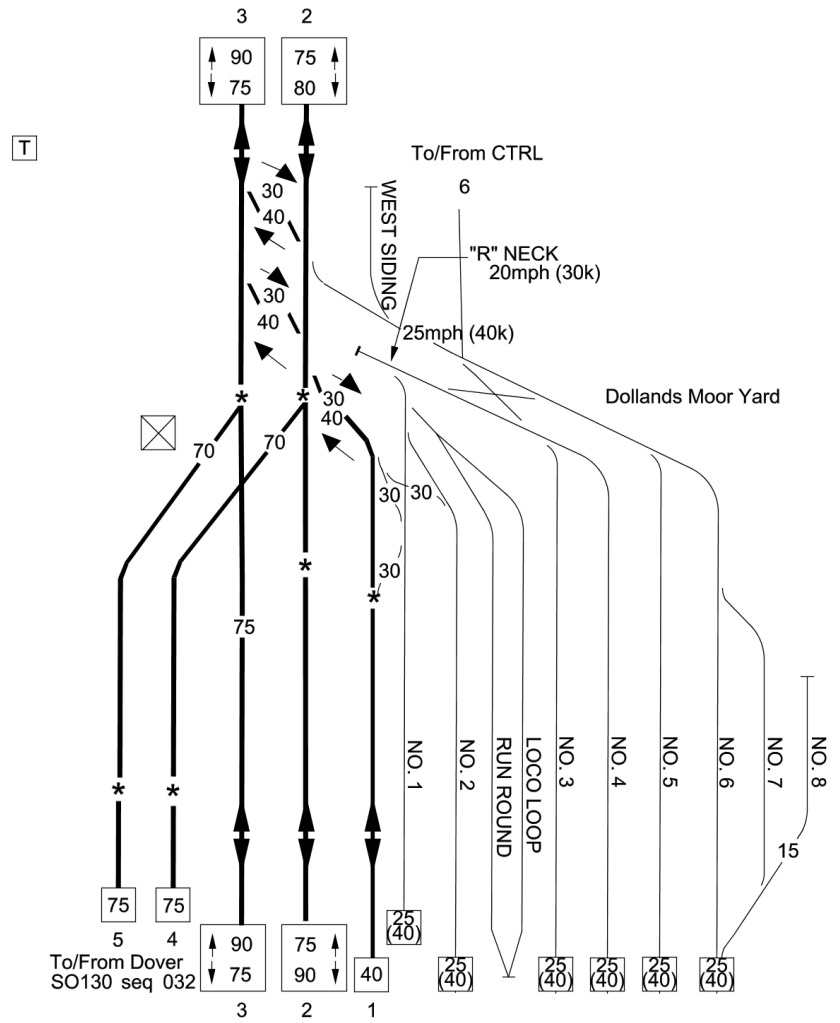
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	028	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

Location	Mileage M	Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Ashford IECC (AD) RA8 DC: Paddock Wood
				PLOD at 57m 18ch
				UGL 118
Sevington Substation	58	23		
VHME	58	42		
Smeeth Substation	60	05		VHME- Vehicle Health Monitoring Equipment. VHME detects overheated wheels and axles. WILD- Wheel Impact Load Detection. WILD detects flat wheels.
Herringe Substation	61	65		
				PLOD at 61m 74ch
Westenhanger Substation	63	46		
WESTENHANGER	64	15		1 Up Main 2 Down Main

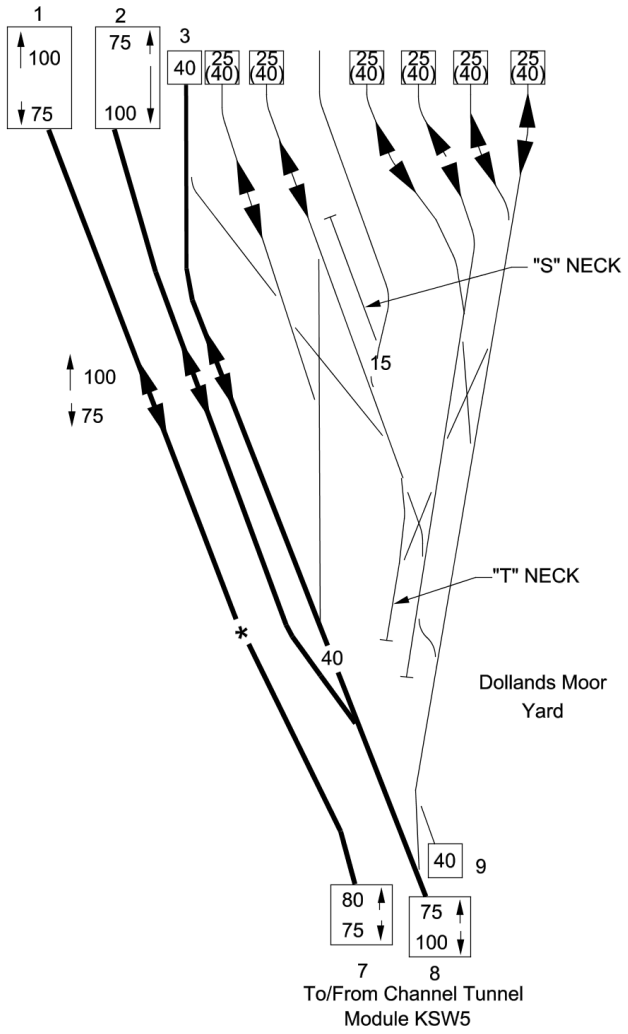
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	029	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Ashford IECC (AD) RA8 DC: Paddock Wood GSM-R
Sandling Tunnel (100 yards)	64 75 * 64 76 to 65 01	T T	
Sandling Substation	65 29		
SANDLING	65 36		
Saltwood Tunnel (954 yards)	65 68 to 66 21 66 22 *	T T	PLOD at 66m 24ch
			1 Up Main 2 Down Main

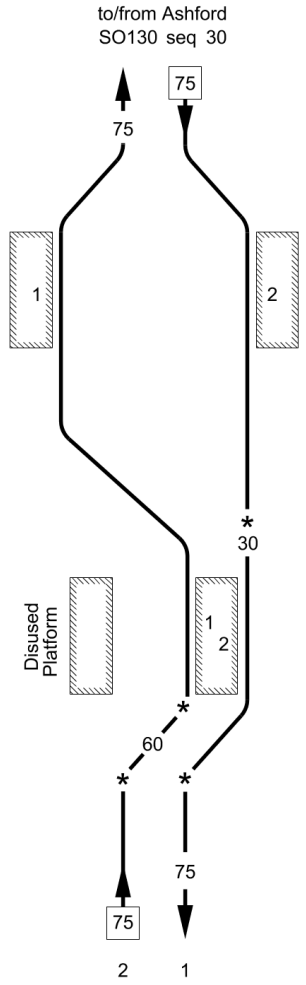
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	030	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD TML	Kent / Sussex	26/08/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Dollands Moor Substation	66 32		GSM-R TCB Ashford IECC (AD) RA8 AC: Paddock Wood DC: Paddock Wood
Saltwood Jn	66 38		Note: Speed boards also indicate maximum speeds in kilometres per hour. These boards are circular, with White numbers on a black background.
	66 40 *		PLOD at 66m 44ch
	66 47 *		
	66 48 *		
	66 59		1 Through Passenger Line 2 Down Main 3 Up Main 4 Down Dover 5 Up Dover 6 Freight Connection

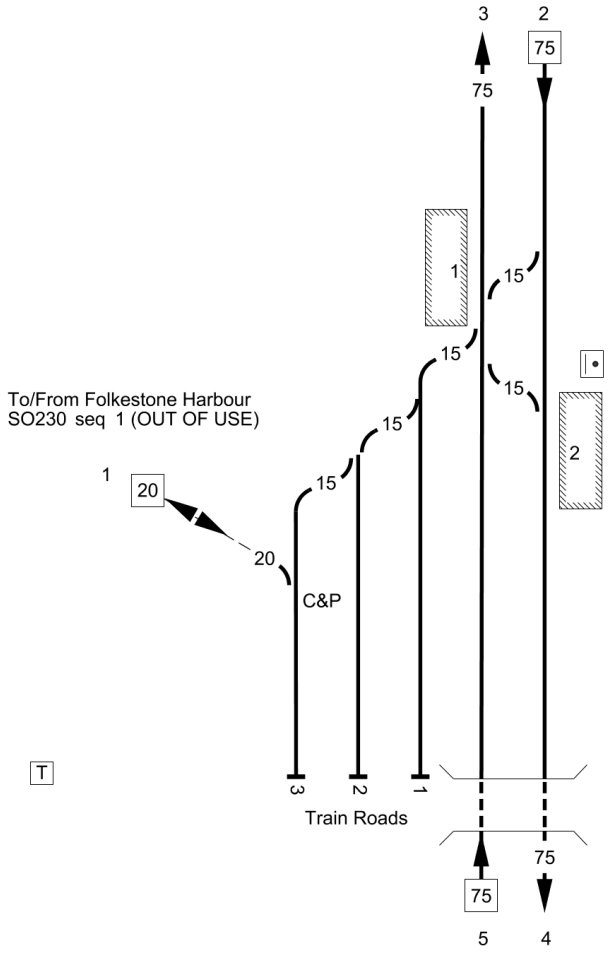
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	031	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD TML	Kent / Sussex	26/08/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Continental Jn Substation	67 20		GSM-R TCB Ashford IECC (AD) RA8 AC: Paddock Wood/Canterbury DC: Paddock Wood/Canterbury Note: Speed boards also indicate maximum speeds in kilometres per hour. These boards are circular, with white numbers on a black background. Mileages in brackets are kilometre distances on Continental main line. Permissive working authorised on through passenger line (both directions), sidings 1 to 7 (both directions) and siding 8 (up direction). Network Rail/ Eurotunnel Interface Instructions. 1 Up Main 2 Down Main 3 Through Passenger line 7 Up Slow 8 Down Fast 9 'G' Neck
	(6.652 Km)		
	67 27 *		
Dollands Moor Yard Junction	67 45		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	032	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	05/06/2021

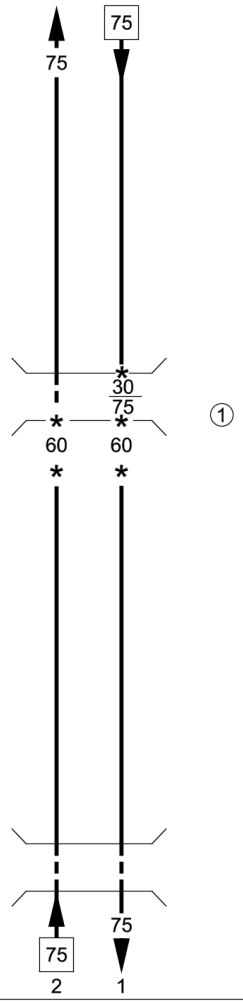
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Ashford IECC (AD) RA8 DC: Canterbury
Shorncliffe TP Hut	69	05		
FOLKESTONE WEST	69	22		
	69	60 *		
FOLKESTONE CENTRAL	69	73		
	69	77 *		
	70	06 *		1 Down Dover 2 Up Dover

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	033	Charing Cross/Cannon Street to Dover Priory/Eurotunnel Interface (via Tonbridge)	XTD FFH1 FFH2	Kent / Sussex	05/06/2021

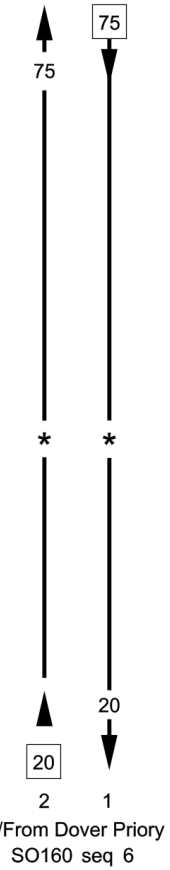
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
FOLKESTONE EAST STAFF HALT	70 73		TCB Folkestone East SB (YE) RA8 DC: Canterbury GSM-R
Folkestone East SB (YE)	70 79		
Folkestone Jn Substation	71 05		
Junction	71 08		Folkestone Harbour line out of use
Martello Tunnel (532 yards)	71 22 to 71 47		

1 Down Folkestone Harbour
2 Down Dover
3 Up Dover
4 Down Main
5 Up Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	034	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	17/08/2016

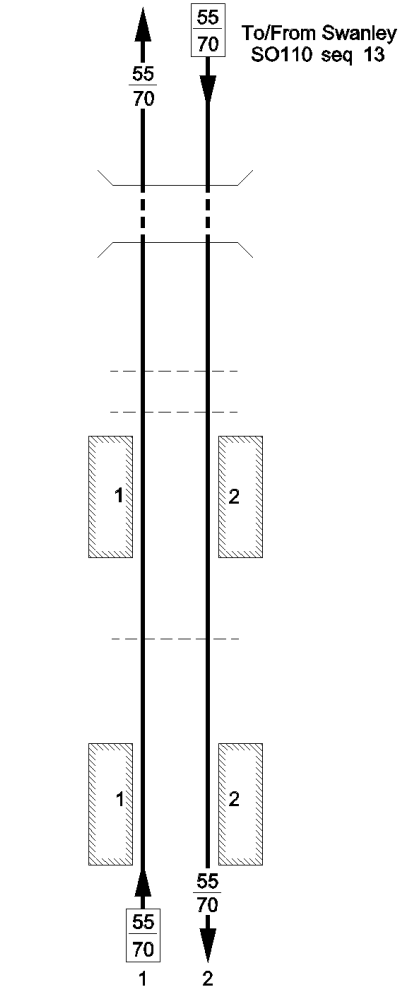
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Folkestone East SB (YE) RA8 DC: Canterbury
Warren TP Hut	72 14		
Abbotscliffe Substation	73 21		
Abbotscliffe Tunnel (1 mile 182 yards)	73 23 * to 74 32 * 74 41 *	T T	① Indicator positioned at Folkestone end entrance to tunnel.
Shakespeare TP Hut	74 76		
Shakespeare Tunnel (1387 yards)	75 14 to 75 77		1 Down Main 2 Up Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	035	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	17/08/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	76 36 *		GSM-R TCB Folkestone East SB (YE) RA8 DC: Canterbury 1 Down Main 2 Up Main

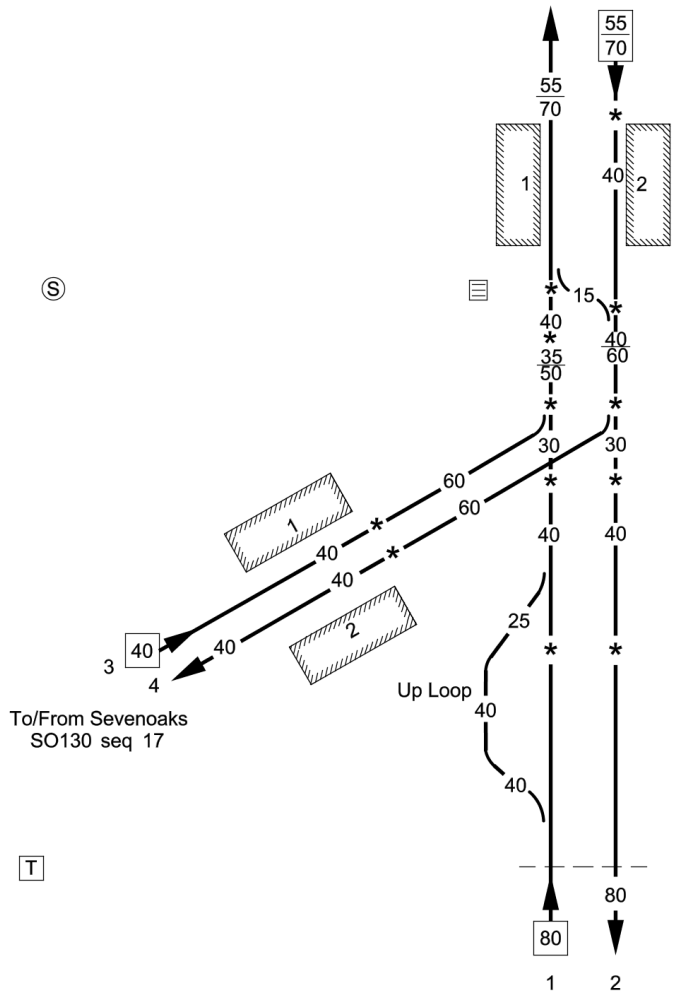
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	001	Swanley to Ashford	SBJ	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Swanley Jn)	(17 46)	MAXIMUM PERMISSIBLE SPEED BETWEEN SWANLEY AND ASHFORD - 80 MPH	GSM-R
Wested Lane TP Hut	18 41		TCB Victoria SB (VS) RA8 DC: Paddock Wood
Eynsford Tunnel (828 yards)	18 67 to 19 24		Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route.
Eynsford Substation	19 52		
OCC Xing	19 57		
Footpath Xing	19 59		
EYNSFORD	20 32		
Lullingstone Substation	21 33		
Willmotts F/P Crossing	22 33		
SHOREHAM	22 52		
Greenhill Substation	23 15		

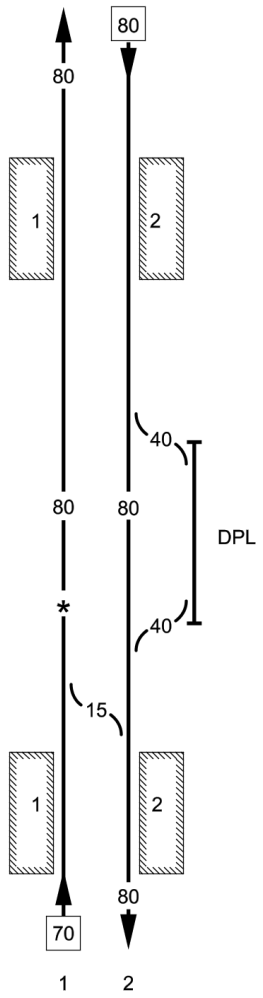


1 Up Maidstone
2 Down Maidstone

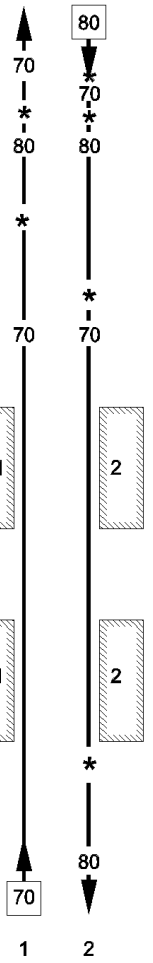
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	002	Swanley to Ashford	SBJ OJS	Kent / Sussex	14/10/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VS) RA8 DC: Paddock Wood
	24 00 *		
OTFORD	24 06		
Otford Ground Frame	24 13 * 24 17 * 24 27 *	Ⓢ	
Otford Jn	24 53 *		
	24 58 *		
Otford Jn Substation	24 60		
	25 40 *		
BAT & BALL	25 51		
(Sevenoaks Jn)	(26 61)		
	25 07 *	To/From Sevenoaks SO130 seq 17	Up Loop 118
Seal Crossing	25 78	T	1 Up Maidstone 2 Down Maidstone 3 Up Bat & Ball 4 Down Bat & Ball

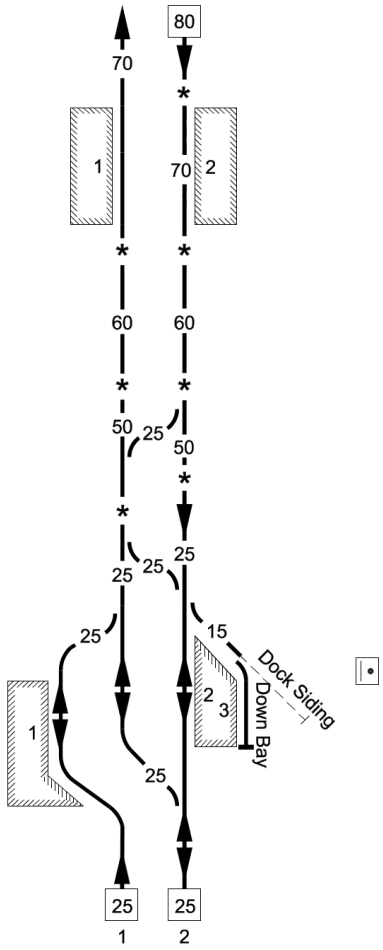
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	003	Swanley to Ashford	SBJ	Kent / Sussex	07/10/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VS) RA8 DC: Paddock Wood
Noahs Ark Substation	26 31		
			GSM-R TCB Maidstone East SB (ME) RA8 DC: Paddock Wood
KEMSING	26 79		
Oldbury Substation	28 12		
			DPL 117
	29 05 *		
BOROUGH GREEN & WROTHAM	29 46		
Borough Green Substation	29 63		
			1 Up Maidstone 2 Down Maidstone

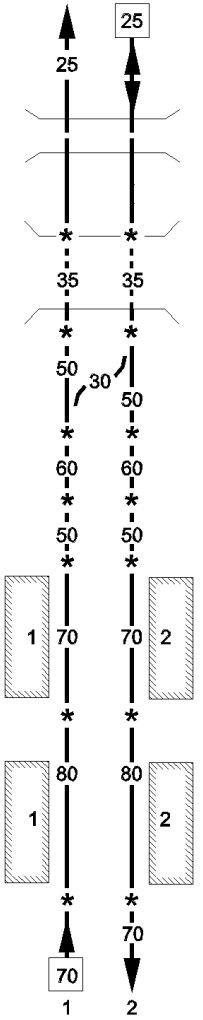
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	004	Swanley to Ashford	SBJ	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Maidstone East SB (ME) RA8 DC: Paddock Wood
	30 65 *		
	31 13 *		
Wrotham Heath Substation	31 37		
	32 75 *		
Church Road Substation	33 07		
	33 40 *		
West Malling Substation	34 55		
WEST MALLING	34 61		
			Horn Code - Down trains 1S when leaving platform.
EAST MALLING	35 64		
	35 72 *		
Ditton Substation	36 29		
			1 Up Maidstone 2 Down Maidstone

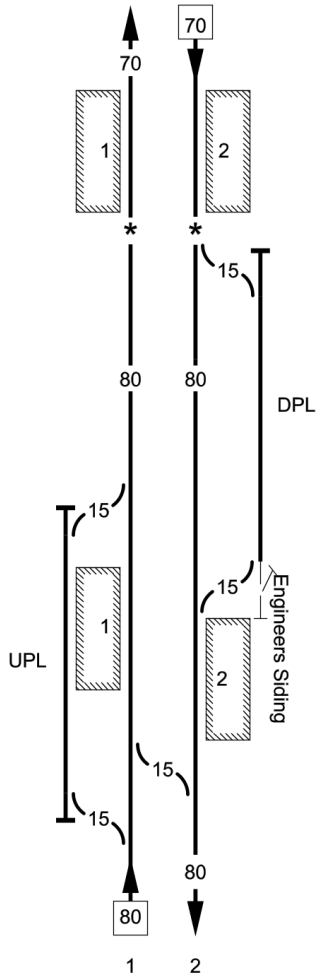
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	005	Swanley to Ashford	SBJ	Kent / Sussex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Maidstone East SB (ME) RA8 DC: Paddock Wood
	36 65 *		
BARMING	37 43		
	38 00 *		
Barming Substation	38 05		
	39 25 *		
Maidstone Substation	39 55 *		
	39 59 *		
Maidstone East SB (ME)	39 72		Platform 3 PP-A (Attaching only possible through Shunting)
MAIDSTONE EAST	39 76		
			1 Up Maidstone 2 Down Maidstone

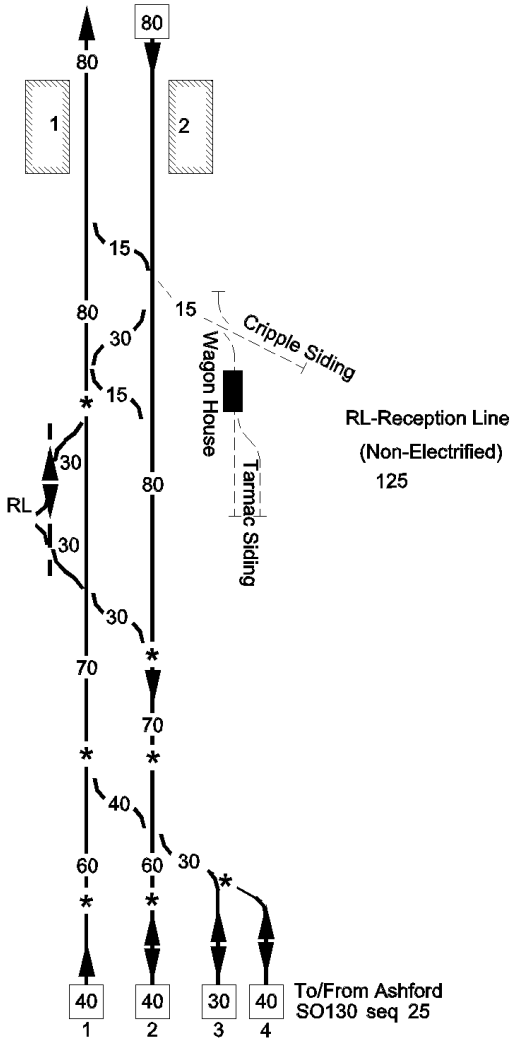
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	006	Swanley to Ashford	SBJ	Kent / Sussex	02/04/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Maidstone East SB (ME) RA8 DC: Paddock Wood
Week Street Tunnel (98 yards)	40 01 to 40 06		
Wheeler Street Tunnel (358 yards)	40 09 * T to 40 25 T 40 30 *		
	40 69 *		
Mote Park Substation	41 20		
	42 25 *		
	42 50 *		
BEARSTED	42 59		
	42 74 *		
Bearsted Substation	42 78		
Snarkhurst Wood Substation	44 53		
HOLLINGBOURNE	45 02		
	45 60 *		
Hollingbourne Substation	46 25		1 Up Maidstone 2 Down Maidstone

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	007	Swanley to Ashford	SBJ	Kent / Sussex	03/02/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Maidstone East SB (ME) RA8 DC: Paddock Wood
HARRIETSHAM	47 36		
	47 70 *		
Harrietsham Substation	47 79		
			DPL 52 UPL 47
LENHAM	49 11		
Lenham Substation	49 53		
Shelve Substation	51 28		
			1 Up Maidstone 2 Down Maidstone

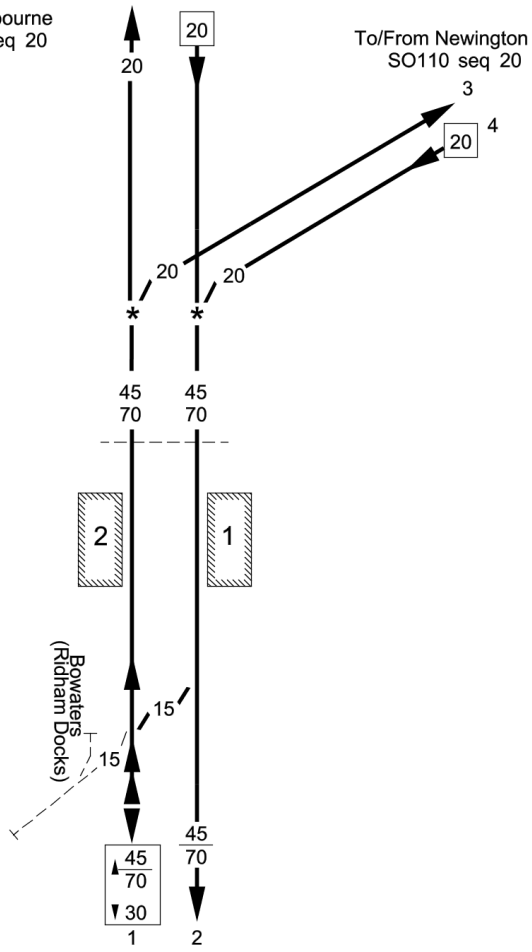
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	008	Swanley to Ashford	SBJ	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Charing Substation	53 05		GSM-R TCB Maidstone East SB (ME) RA8 DC: Paddock Wood
CHARING	53 11		
Westwell Substation	54 53		
Hothfield Sidings	55 50		
	55 73 *		
HOTHFIELD SUBSTATION	56 22		
	56 50 *		GSM-R Ashford IECC (AD)
Potters Corner Substation	57 77		
	58 01 *		
	58 39 *		
	58 51 *		
Godinton Substation	58 53		

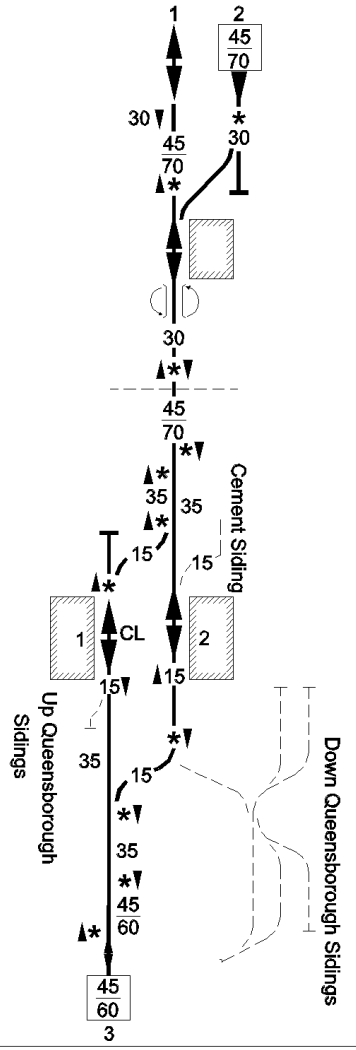
1 Up Maidstone
2 Down Maidstone
3 Maidstone Loop
4 Maidstone Relief

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO150	001	Sittingbourne (Eastern Jn.) to Sheerness-on-Sea	SEJ2 SEJ1 WMS	Kent / Sussex	06/08/2016

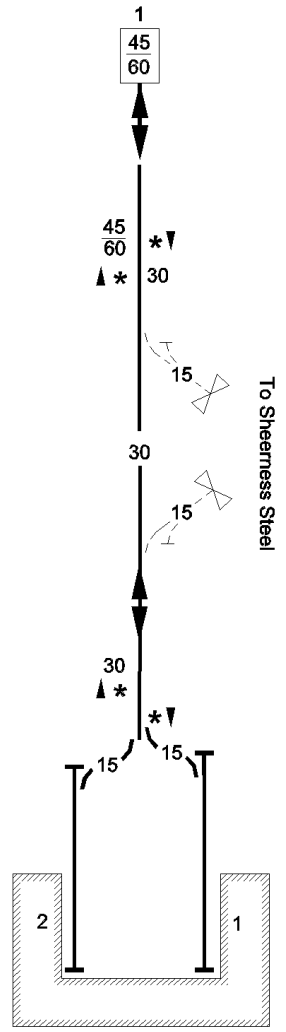
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Eastern Jn)	(0 00)	MAXIMUM PERMISSIBLE SPEED BETWEEN SITTINGBOURNE (EASTERN JN.) AND SHEERNESS-ON-SEA : 70 MPH	TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
(Western Jn)	(43 70)		GSM-R
Middle Jn	44 13 *		
	(0 23)		Axle Counter Area 44m 21ch
Fox Grove Crossing	44 70	T	East Kent Signalling Centre (EV)
KEMSLEY	45 20		
Kemsley Substation	45 61		
Ridham Siding	46 60		
		T	1 Up Sheppey 2 Down Sheppey 3 Up Sheppey Spur 4 Down Sheppey Spur



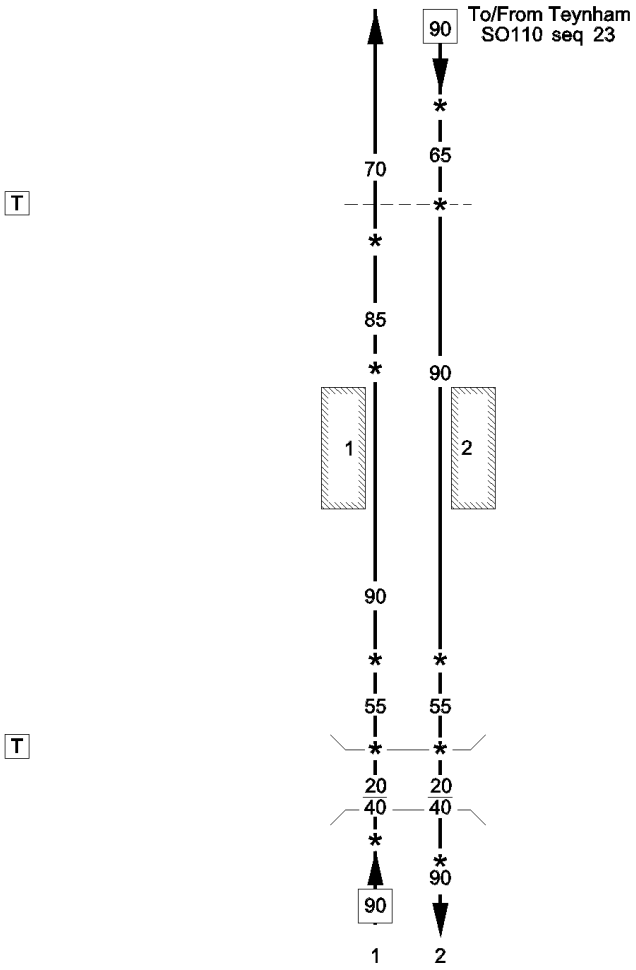
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO150	002	Sittingbourne (Eastern Jn.) to Sheerness-on-Sea	SEJ2	Kent / Sussex	29/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EV) RA8 DC: Canterbury (KINGSFERRY 05)
	46 77 *		
	47 00 *		
Swale TP Hut	47 07		
SWALE	47 15		
Kingsferry Bridge (Lift Bridge)	47 26		Axle counter section over Kingsferry Bridge 47m 22ch to 47m 60ch
	47 66 *		
South Marsh Crossing	48 02	T	
	48 76 *		
	49 04 *		
	49 14 *		
	49 18 *		
QUEENBOROUGH	49 22		
	49 30 *		CL 27 (Down Sheppey Loop) 33 (Up Sheppey Loop)
Queenborough Substation	49 33		
	49 34 *		
	49 45 *		
	49 47 *		1 Up Sheppey 2 Down Sheppey 3 Sheppey Single

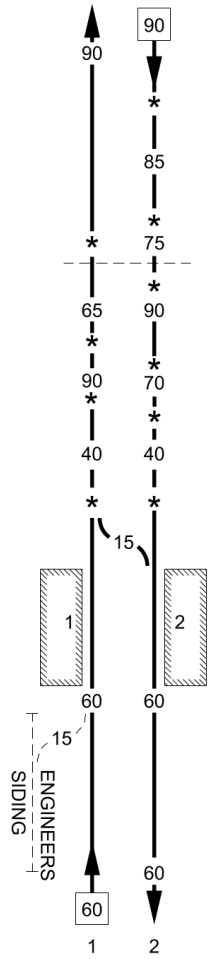
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO150	003	Sittingbourne (Eastern Jn.) to Sheerness-on-Sea	SEJ2	Kent / Sussex	29/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EV) RA8 DC: Canterbury
	50 38 *		
	50 40 *		
Sheerness Dockyard	50 48	T	
	51 00 *		
	51 02 *		
SHEERNESS-ON-SEA	51 19		1 Sheppey Single

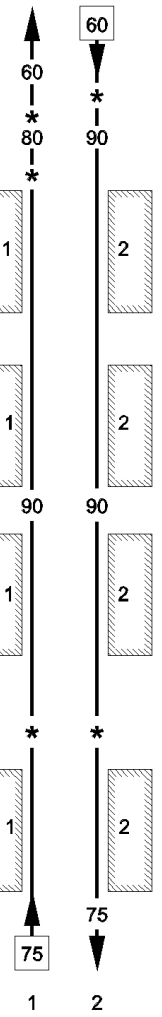
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	001	Faversham to Dover Priory	FDM VIR	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN FAVERSHAM AND DOVER PRIORY - 90 MPH	GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
(FAVERSHAM)	(51 77)		
	52 55 *		Axle counter area
Brenley TP Hut	53 48		
Clock House LC (AHBC)	53 51 *	T	
	54 00 *		
	54 64 *		
Selling Substation	55 11		
SELLING	55 18		
	56 00 *		
Selling Tunnel (405 yards)	56 33 * to 56 52	T	
	56 52 *		
Ensinge TP Hut	56 57 *		1 Up Chatham 2 Down Chatham

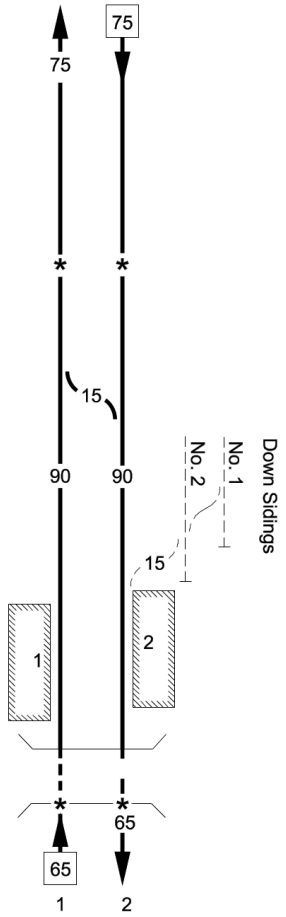
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	002	Faversham to Dover Priory	FDM	Kent / Sussex	09/05/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
	57 51 *		Axle counter area
Chartham North Substation	58 09		
	58 29 *		
	58 63 *		
Chartham Hatch LC (AHBC)	58 65	T	
	58 67 *		
Howfield TP Hut	59 53		
	59 59 *		
	59 70 *		
	60 76 *		
	61 00 *		
Canterbury East Substation	61 16		
	61 30 *		
CANTERBURY EAST	61 65		Bridge 264 - Wincheap Street - 61m 57ch RA9 and RA10 traffic is prohibited. An OPPOS restriction applies for locomotive hauled trains, locomotives and On Track Machines of RA8 and below.
			1 Up Chatham 2 Down Chatham

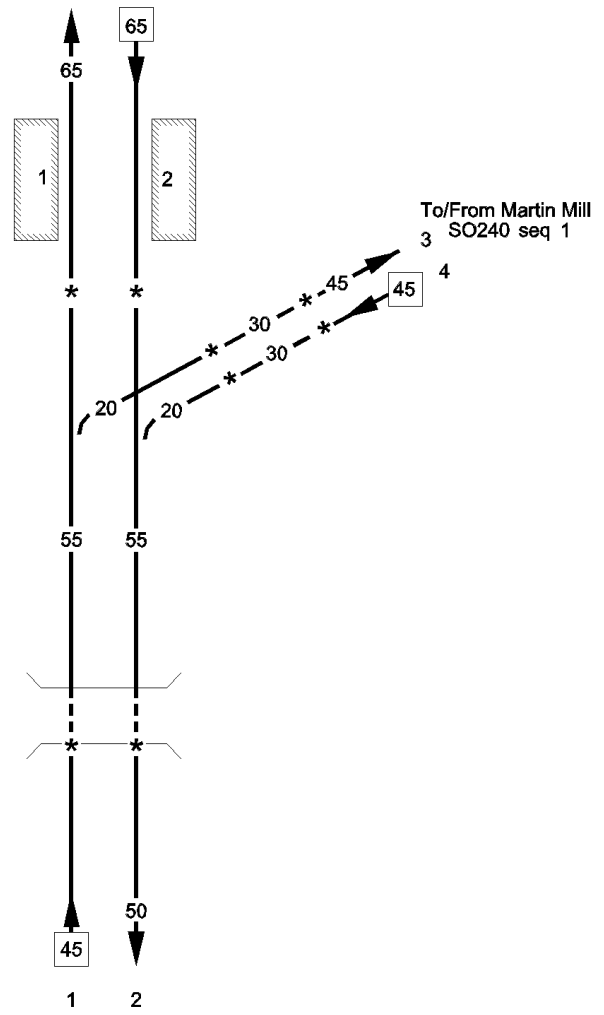
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	003	Faversham to Dover Priory	FDM	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
	62 67 *		
	62 76 *		
Little Barton TP Hut	62 79		Axle counter area
	64 44 *		
BEKESBOURNE	64 58		
Bekesbourne Substation	64 63		
Brambling TP Hut	66 39		
ADISHAM	67 60		
Adisham Substation	68 16		
AYLESHAM	68 66		
	69 40 *		
SNOWDOWN	69 60		
Snowdown TP Hut	69 67		1 Up Chatham 2 Down Chatham

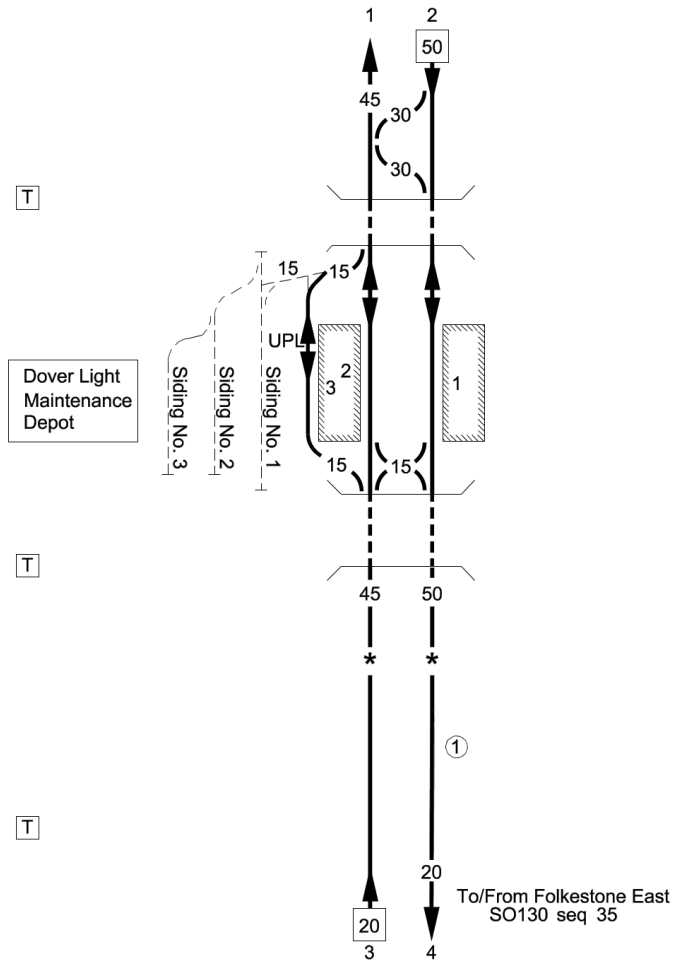
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	004	Faversham to Dover Priory	FDM	Kent / Sussex	11/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East kent Signalling Centre (EK) RA8 DC: Canterbury
			Axle counter area
	70 20 *		
Shepherds Well Substation	71 47		Siding length 12 SLU's Short term NC expires 01/11/25
SHEPHERDS WELL	71 60		
Lydden Tunnel (1m 609 yards)	71 66		
	73 15 *		
			1 Up Chatham 2 Down Chatham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	005	Faversham to Dover Priory	FDM BME2	Kent / Sussex	19/03/2016

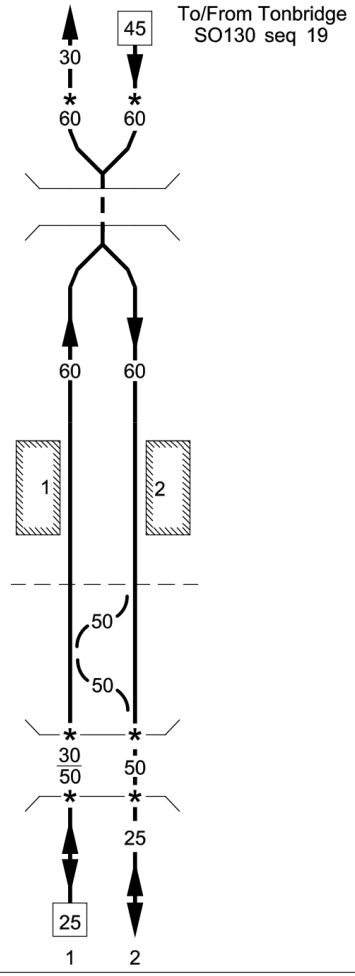
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
Lydden TP Hut	73 28		Axle counter area on Up & Down Chatham lines 75m 50ch
Kearsney Substation	75 03		
KEARSNEY	75 09		
Buckland Jn TP Hut	76 19		
	(98 76)		
	76 20 *		
	(98 37) *		
	(99 00) *		
Buckland Jn	76 32		
	(99 05)		
Charlton Tunnel (265 yards)	76 65 to 76 77 *	T	FWS down and up lines through tunnel.
			1 Up Chatham 2 Down Chatham 3 Down Deal 4 Up Deal

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	006	Faversham to Dover Priory	FDM	Kent / Sussex	06/05/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Folkestone East SB (YE) RA8 DC: Canterbury
Dover Priory Tunnel (158 yards)	77 08 to 77 16	T	FWS Down and Up lines through Dover Priory Tunnel.
DOVER PRIORY	77 26	Dover Light Maintenance Depot	UPL 21 Platform 1 PP Platform 2 PP Platform 3 PP
Dover Harbour Tunnel (684 yards)	77 32 to 77 63	T	
	77 72 *		
(Change of mileage)	77 76		① - Line names change at 77m 76ch
	76 53		
Dover Substation	76 45	T	
		To/From Folkestone East SO130 seq 35	1 Up Chatham 2 Down Chatham 3 Down Main 4 Up Main

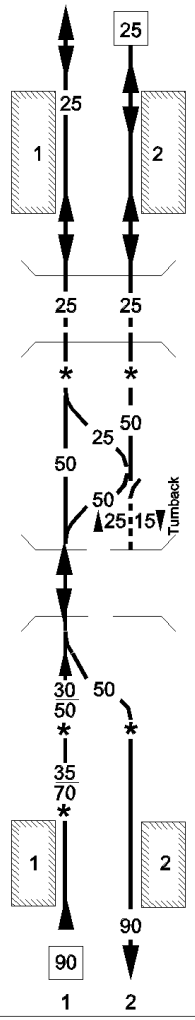
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	001	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	12/05/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN TONBRIDGE AND 35M 30CH - 60 MPH 35M 30CH AND BOPEEP JN - 90 MPH	GSM-R TCB Tonbridge SB (PE) RA8 DC: Paddock Wood
(Tonbridge East Jn)	(29 55) 30 04 *	To/From Tonbridge SO130 seq 19	
Somerhill Tunnel (410 yards)	30 14 to 30 32	T T	
Southborough TP Hut	31 22	T	
HIGH BROOMS High Brooms Substation	32 70 32 70		
C.E.G.B. Crossing	33 11	T	
Wells Tunnel (823 yards)	33 69 * to 34 27 *	T	Indicator positioned between down and up lines at country end of Wells tunnel applies to both.

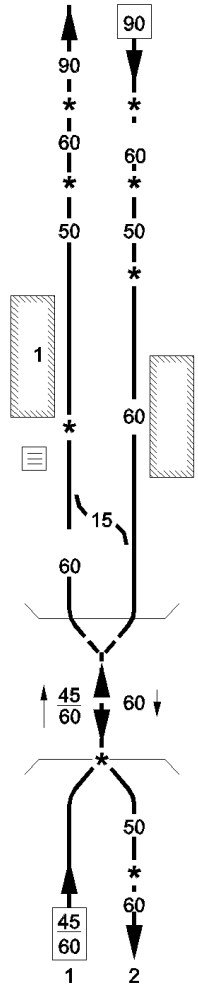


1 Up Hastings
2 Down Hastings

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	002	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	02/05/2015

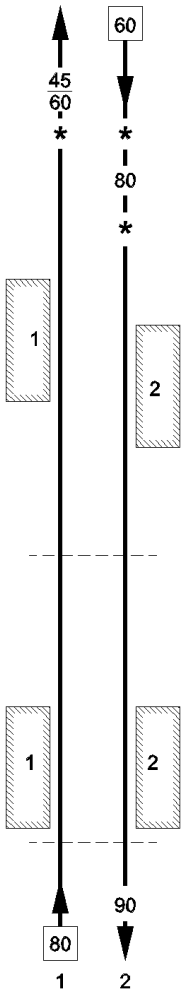
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Tonbridge SB (PE) RA8 DC: Paddock Wood
TUNBRIDGE WELLS	34 32		Platform 1 PP-A Platform 2 PP-A
Grove Hill Tunnel (287 yards)	34 38 to 34 51		
	34 54 *		
Grove Hill Substation	34 58		
Grove Jn	34 65		
Strawberry Hill Tunnel (286 yards)	35 12 to 35 25		
	35 30 *		
	35 73 *		
FRANT	36 53		
Frant TP Hut	36 60		1 Up Hastings 2 Down Hastings

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	003	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Tonbridge SB (PE) RA8 DC: Paddock Wood
	37 53 *		
	39 06 *		
Wadhurst Substation	39 10		
	39 20 *		
WADHURST	39 23		
	39 26 *		
Wadhurst Ground Frame	39 27		
Wadhurst Tunnel (1205 yards)	39 65	T	
	to		Robertsbridge SB (RB)
	40 40 *	T	
	40 50 *		
Snape TP Hut	41 12		1 Up Hastings 2 Down Hastings

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	004	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	02/05/2015

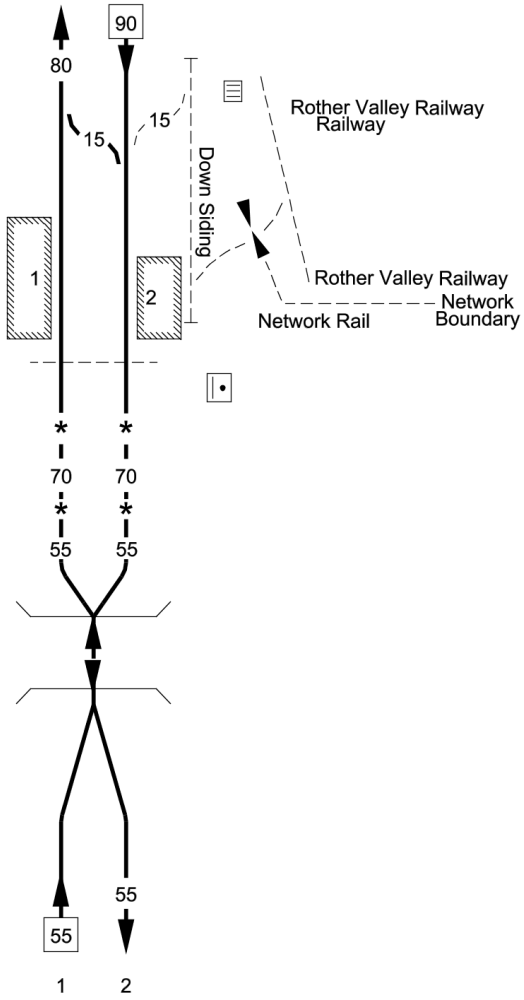
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	41 60 *		GSM-R TCB Robertsbridge SB (RB) RA8 DC: Paddock Wood
	43 30 *		
Stonegate Substation	43 33		
STONEGATE	43 66	T	
Crowhurst Bridge LC (AHBC)	45 36	T	
Turzes TP Hut	46 50		
ETCHINGHAM	47 34	T	
Etchingham LC (CCTV)	47 40		
Etchingham Substation	47 63		



1 Up Hastings
2 Down Hastings

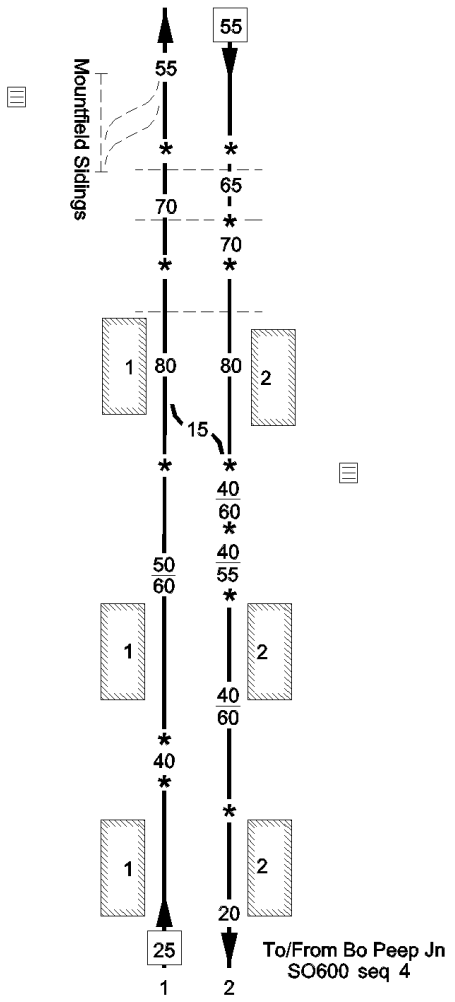
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	005	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	01/12/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Robertsbridge Engineers Ground Frame	49 36	Ⓢ	GSM-R TCB Robertsbridge SB (RB) RA8 DC: Paddock Wood
ROBERTSBRIDGE	49 47		
Robertsbridge LC (MCB-CCTV)	49 53		
Robertsbridge SB (RB)	49 54		
	49 59 *		
Robertsbridge TP Hut	50 02		
	51 36 *		
Mountfield Tunnel (526 yards)	51 46 to 51 70	T	



1 Up Hastings
2 Down Hastings

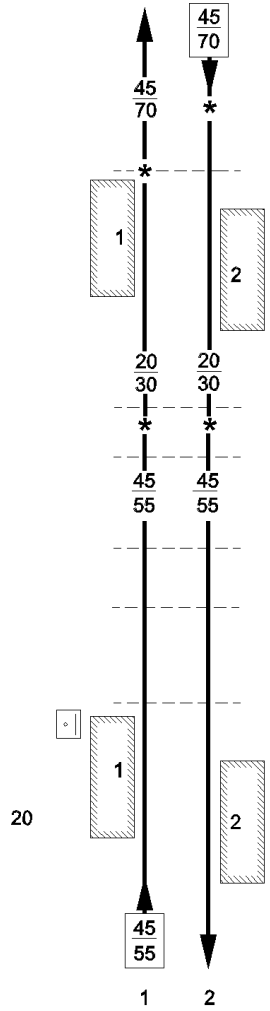
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	006	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	10/10/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Robertsbridge SB (RB) RA8 DC: Paddock Wood Bo Peep Jn SB (BJ)
Mountfield Sidings Ground Frame	51 78	Ⓢ	
Mountfield Substation	52 00		
	52 20 *		
Riverhall LC (CCTV)	52 36		
Battle Road LC (CCTV)	52 52 *	T	
	52 75 *		
Whatlington TP Hut	54 16		
Marley Lane LC (CCTV)	55 31		
BATTLE	55 46		
Battle Ground Frame	56 12 *	Ⓢ	
Telham Substation	56 48		
	57 27 *		
	57 44 *		
CROWHURST	57 50		
Green Street TP Hut	58 53		
	60 08 *		
	60 33 *		
	60 44 *		
WEST ST LEONARDS	60 59		
Bo Peep Jn Substation	60 64		
Bo Peep Jn	60 69		1 Up Hastings 2 Down Hastings

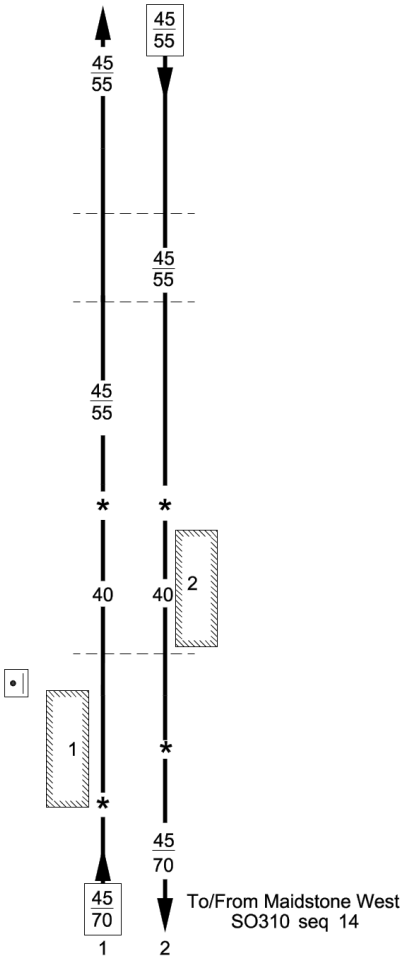
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO180	001	Paddock Wood to Maidstone West	PWS1	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN PADDOCK WOOD AND MAIDSTONE WEST - 70 MPH	GSM-R
			TCB Ashford IECC (AD) RA8 DC: Paddock Wood
(Paddock Wood)	(34 67)	To/From Tonbridge SO130 seq 21	
	35 28 *		
Swatlands LC (AHBC)	35 29	T	
Wagon Lane LC (AHBC)	35 60	T	
	35 75 *		
BELTRING	36 50		
Beltring LC (AHBC)	36 52 *	T	
Beltring TP Hut	36 58		
			Wateringbury SB (WB)
Stoneham Crossing	37 27		
East Peckham Engineers Tip Siding Ground Frame	37 34	T (S)	
Ballast Hole Crossing	37 45	T	
Wards Crossing	37 73		
			1 Up Maidstone 2 Down Maidstone

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO180	002	Paddock Wood to Maidstone West	PWS1	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Wateringbury SB (WB) RA8 DC: Paddock Wood
	38 13 *		
Yalding LC (ABCL)	38 15 *	T	
YALDING	38 19		
Yalding Substation	38 25	T	
McDougall Crossing	38 27 *		
Millstead Crossing	38 43	T	
Wilsons Crossing	38 79	T	
Church Crossing	39 30		
Wateringbury LC	39 71		AB
Wateringbury SB (WB)	39 72		
WATERINGBURY	39 77		
Wateringbury TP Hut	40 05		
			1 Up Maidstone 2 Down Maidstone

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO180	003	Paddock Wood to Maidstone West	PWS1	Kent / Sussex	28/01/2023

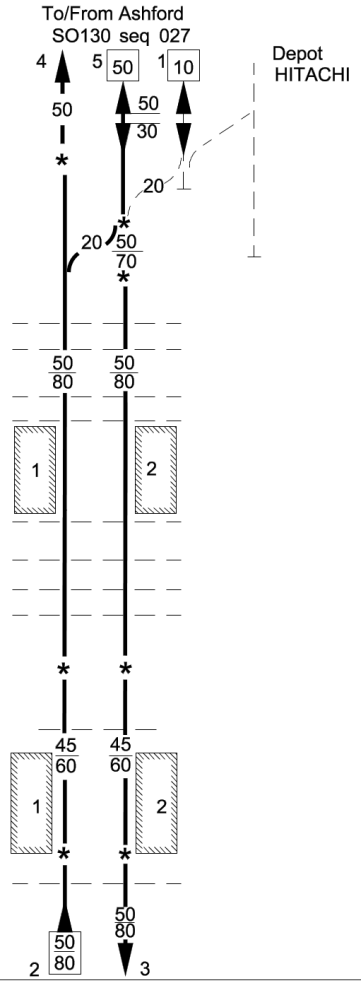
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R AB Wateringbury SB (WB) RA8 DC: Paddock Wood
Teston LC (CCTV)	41 04	T	
Teston Foot Crossing	41 14		
Teston Substation	41 64	T	
	42 53 *		
Farleigh Lane LC	42 75		
EAST FARLEIGH	42 75		East Farleigh SB (EF)
East Farleigh SB (EF)	42 76 42 77.5*		
East Farleigh TP Hut	43 00 * 43 45	T	
(Maidstone West SB (MS))	(44 54)	To/From Maidstone West SO310 seq 14	1 Up Maidstone 2 Down Maidstone

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO210	001	Appledore to Lydd Town (Goods Line)	APL	Kent / Sussex	24/02/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 20 MPH	GSM-R
		20 To/From Ham Street. SO600 seq 10	OT Ashford IECC (AD) RA6
(APPLEDORE)	(64 57)		DOO (non passenger) not permitted between Appledore & Lydd Town
Ashleys Crossing	65 03		
Snargate	65 73		GSM-R
Grove Lane LC (open)	66 30		Down: End of GSM-R area at 65m 3ch Up: Start of GSM-R area at 65m 3ch
Bowdell LC (open)	66 50		
King Street LC (open)	66 71		A.W.S. not provided.
Brooklands LC (AOCL)	67 20	* Stop before passing over LC	Speed over level crossings 5 MPH.
Boarmans LC (open)	67 45		Other UWC's in this area:-
Tillery LC (open)	67 59		Bodys No.1 (Accom) 65m 16ch
Fielders LC (open)	67 71		Bodys No.2 (Accom) 65m 42ch
Mountain LC (open)	68 15		Bodys No.3 (Accom) 65m 48ch
Coldharbour LC (open)	68 67		Bodys No.4 (Accom) 65m 58ch
Midley LC (open)	69 46		Welsteads (Accom) 66m 10ch
Swamp LC (open)	70 39		Hobbs (Bridleway) 67m 13ch
Caldicott LC (open)	71 02		Paines No.2 (Accom) 68m 36ch
Lydd Town LC (TMO)	71 51 *	*	Paines No.3 (Footpath) 68m 46ch
		15 Sidings	Hughes (Accom) 69m 05ch
			Pipers No.1 (Accom) 69m 32ch
			Gilletts No.1 (Accom) 69m 56ch
			Chapel Bank (Footpath) 70m 14ch
			Gilletts No.2 (Accom) 70m 25ch
			Paine (Accom) 70m 26ch
			Gilletts No.3 (Accom) 70m 51ch
			Bass (Accom) 70m 64ch
			Lydd (Footpath) 72m 28ch
			Blacklocks (Accom) 72m 51ch
			Folkstone Waterworks (Accom) 73m 13ch
			Standage in Loop 320m / 50 SLU
Dungeness Ground Frame	73 65	(S)	

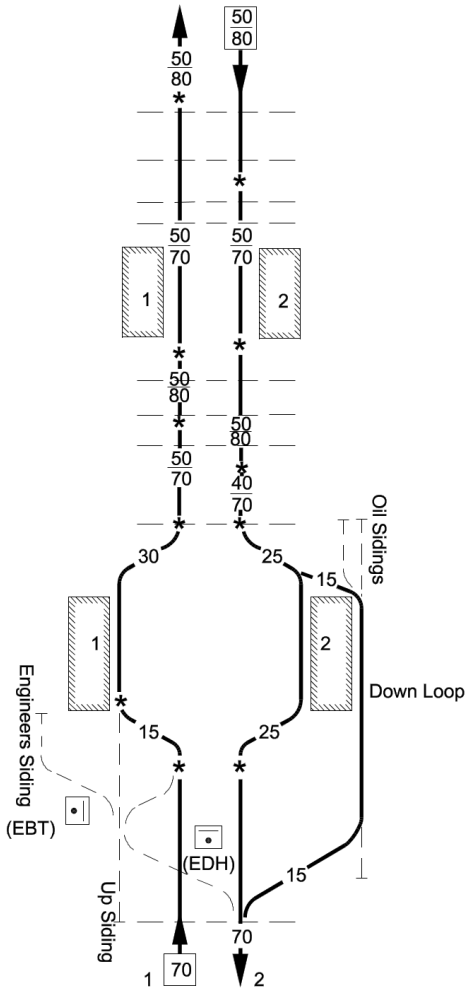
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO220	001	Ashford to Ramsgate (via Canterbury West)	ACR	Kent / Sussex	08/03/2024

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
				MAXIMUM PERMISSIBLE SPEED BETWEEN ASHFORD AND RAMSGATE - 70 MPH	GSM-R
				To/From Ashford SO130 seq 027	TCB Ashford IECC (AD) RA8 DC:Paddock Wood
					Southern Region Two-Thirds Rule does not apply between Ashford and Canterbury West.
	56	76	*		
Hitachi Depot (Access)	57	07	*		
	57	48	*		Cant/Wye (CWACC) (EBT) DC:Canterbury
Kennington TP Hut	58	13			
Wilmington Farm Crossing	59	20		T	
Spring Grove Crossing	59	47		T	
Wye Substation	59	66			
Haruille Farm Crossing	60	06		T	
Wye LC (CCTV)	60	28			
WYE	60	32			
Sparrows Bridge UWC	60	74			
Bilting TP Hut	61	32			
Bilting Grange Crossing	61	38		T	
Bilting Crossing (R/G-X)	61	64		T	
Buckwell Crossing	61	70			
Godmersham Substation	63	06			
	63	40	*		
Chilham TP Hut	64	59			
	64	75	*		
Chilham Mill LC (CCTV)	64	76			
CHILHAM	65	09			
	65	15	*		
Chilham Road LC (CCTV)	65	40			

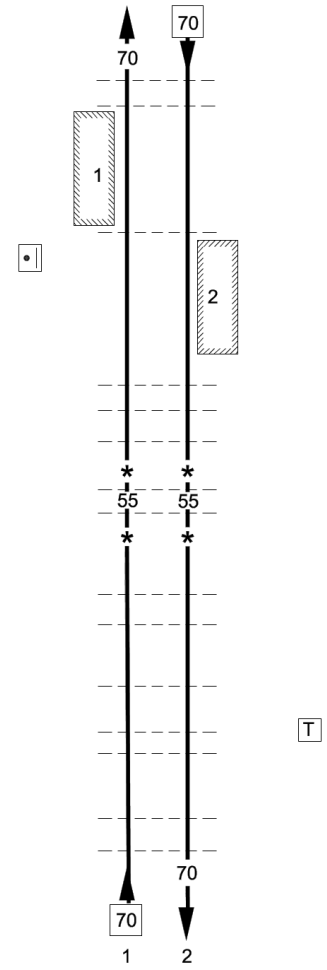


1 Chord Line
2 Up Branch
3 Down Branch
4 Up Canterbury
5 Down Canterbury

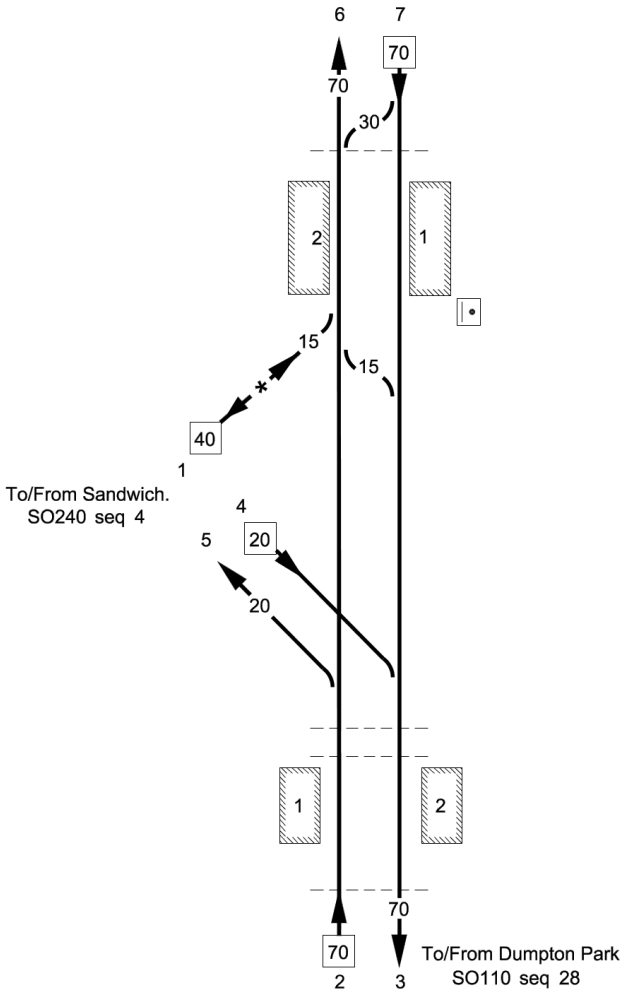
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO220	002	Ashford to Ramsgate (via Canterbury West)	ACR	Kent / Sussex	12/06/2023

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Cant/Wye (CWACC) (EBT) RA8 DC:Canterbury
Shalmsford Street UWC	66	17	*		
Chartham South Substation	66	32			Southern Region Two-Thirds Rule does not apply between Ashford and Canterbury West
Deanery Crossing	66	60		T	
	66	65	*		No TSRs or ESRs to terminate between 67m 33ch and 66m 79ch on Up Main due to Stopping/Non-Stopping Controls associated with MSLs at Dibleys Footpath Crossing.
Dibley's FP (R/G - X)	66	79			
Chartham LC (CCTV)	67	10			Also in this area:-
CHARTHAM	67	14			
	67	18	*		Dog Kennel (footpath) 67m 69ch
	67	23	*		
Horton UWC	67	47			Park Alley (footpath) 71m 06ch
Milton TP Hut	67	69			
Tonford FPW (R/G-X)	68	61		T	
	69	13	*		
Whitehall LC (R/G)	69	30			
	69	43	*		
Canterbury Substation	69	44			
St Dunstans LC (CCTV)	70	15	*		Canterbury West SB (EDH)
CANTERBURY WEST	70	27		T	DL 76
	70	30	*		
Canterbury/Wye ACC (CWACC) (EBT)	70	36	*		
Canterbury West Signal Box (EDH)	70	37			
St Stephens LC (CCTV)	70	56			
Canterbury West TP Hut	71	05			1 Up Main 2 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO220	003	Ashford to Ramsgate (via Canterbury West)	ACR	Kent / Sussex	30/08/2023

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Canterbury West SB (EDH) RA8 DC:Canterbury
Folly Farm UWC	71	28			
Broad Oak LC (AHBC)	71	77		T	
Sturry Substation	72	46			
STURRY	72	57			
Sturry LC	72	58			
Sturry SB (ST)	72	58			Sturry SB (ST)
Westbere TP Hut	74	10		T	
Hoplands Farm Crossing	74	51			
Chislet Temporary Crossing	75	19		T	
Chislet Colliery Substation	75	54			
Port Farm Crossing	76	06			Other UWC's also in this area.
	76	30	*		Sandpit (Footpath) 71m 59ch
Ships Meadow (R/G-X) FPW	76	39		T	Milner Court (Acommodation) 72m 48ch
Grove Ferry LC (AHBC)	76	52		T	Sturry (Footpath) 72m 75ch
	77	14	*		Westbere (Footpath) 74m 12ch
Grove Ferry TP Hut	77	17			Stannards (Occupation) 80m 25ch
Wall End Crossing	77	26		T	Hopes (Occupation) 81m 24ch
Cater Crossing	77	76		T	Watchester (Accomodation) 81m 40ch
Cut End (Occupation)	78	02		T	
Sarre Bridge Crossing	78	37		T	
Sarre Substation	78	66			
Mile Drove Crossing	79	08		T	
Monkton Court Crossing	79	36			
Monkton Parsonage (Accomodation)	79	71		T	
Monkton TP Hut	80	28			
Walters Hall Crossing	80	44		T	
Sheriffs Court Crossing	80	60		T	
					1 Up Main 2 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO220	004	Ashford to Ramsgate (via Canterbury West)	ACR MSW	Kent / Sussex	31/07/2023

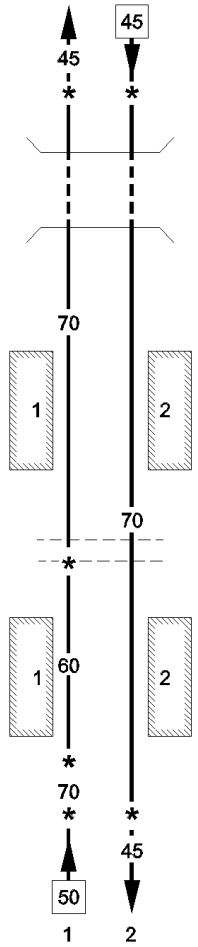
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Minster SB (EBE) RA8 DC:Canterbury
Minster LC (MCB-CCTV)	81 58		
MINSTER	81 64		Platform 2 PP.A (Detaching only)
Minster SB (EBE)	81 74		
Minster Substation	81 76		Other UWC's in this area:-
	(81 79) *		Durlock Main (Footpath 82m
			Durlock Loop (Footpath) 82m 10ch
			Cricket (Accomodation) 82m 34ch
(Minster South Jn)	(82 21)		Richborough Castle(Accomodation) 84m 48ch
	(0 32)	To/From Sandwich. SO240 seq 4	
			Change of line name at Minster East Jn Axle counter area
Minster East Jn	82 17		GSM-R TCB East Kent RA8 Signalling Centre (EK) DC: Canterbury
	(0 00)		
Rough Crossing	82 35	T	
Sevenscore LC (AHBC)	83 10		
Cliffsend TP Hut	83 44	T	Up - Down Stour lines 82m 26ch to 85m 14ch
THANET PARKWAY	83 61		
			1 Single 2 Up Stour 3 Down Stour 4 Down Loop 5 Up Loop 6 Up Main 7 Down Main
Cliffsend LC/CCTV	84 04		
(RAMSGATE)	(85 67)	To/From Dumpton Park SO110 seq 28	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO230	001	Folkestone East to Folkestone Harbour	FFH2 XTD	Kent / Sussex	22/06/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		THIS TABLE HAS BEEN WITHDRAWN	

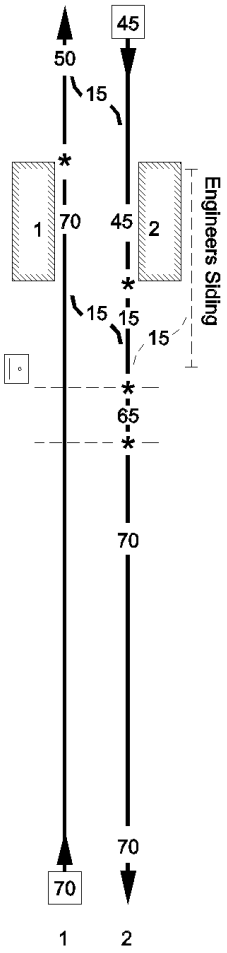
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO240	001	Buckland Jn to Minster East Jn	BME2	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN BUCKLAND JN. AND MINSTER EAST JN. - 70 MPH	GSM-R
		To/From Dover Priory. SO160 seq 5	TCB Folkestone East (YE) RA8 DC:Canterbury
(Buckland Jn)	99 05		
	97 67 *		
East Dover TP Hut	97 57	T	
Guston Tunnel (1,412 yards)	97 44	T	
	to		
	96 60		
Guston Substation	96 02		
MARTIN MILL	95 05		
Martin Hill TP Hut	94 25		
Hangman's Lane UWC	93 79		
Cold Blow LC (R/G)	92 54 *	T	
Walmer Substation	92 48		
WALMER	92 27		
	91 76 *		
	91 05 *		



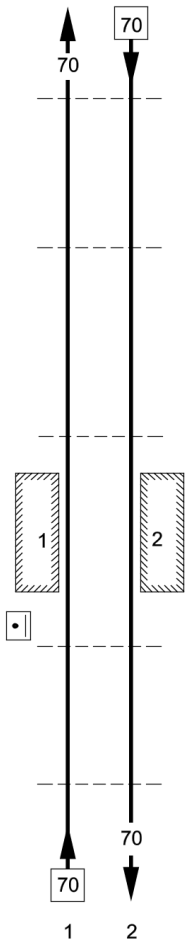
1 Up Deal
2 Down Deal

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO240	002	Buckland Jn to Minster East Jn	BME2	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Deal TP Hut	90 62		GSM-R AB Deal SB (EBZ) RA8 DC:Canterbury
	90 60 *		
DEAL	90 56		Other crossings also in this area:- Sholden F/P 89m 06m Red House Occupation 89m 40ch
	90 51 *		
Deal SB (EBZ)	90 43		
Middle LC	90 42 *		
Northwall LC (R/G)	90 09 *	T	
Betteshanger Substation	89 06		1 Up 2 Down

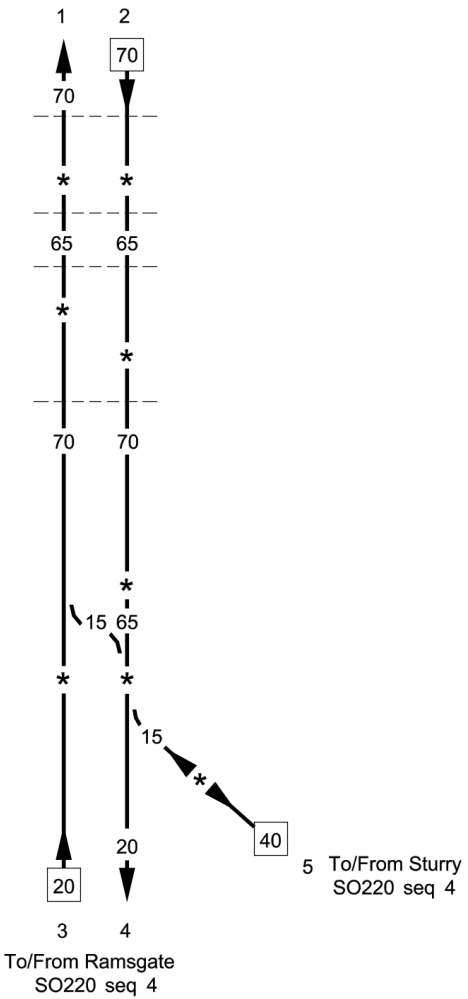
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO240	003	Buckland Jn to Minster East Jn	BME2	Kent / Sussex	15/05/2017

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R
				RA8 Sandwich SB (SW) DC:Canterbury
Gore Top Crossing	87	70	T	
Blue Pigeon Crossing	87	46	T	
Worth TP Hut	87	26		
Sin Green UWC	87	19		
SANDWICH	86	46		
Sandwich SB (SW)	86	43		
Sandwich LC	86	46		
Woodnesborough LC (CCTV)	86	12		



1 Up
2 Down

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO240	004	Buckland Jn to Minster East Jn	BME2 BME1 MSW	Kent / Sussex	01/04/2017

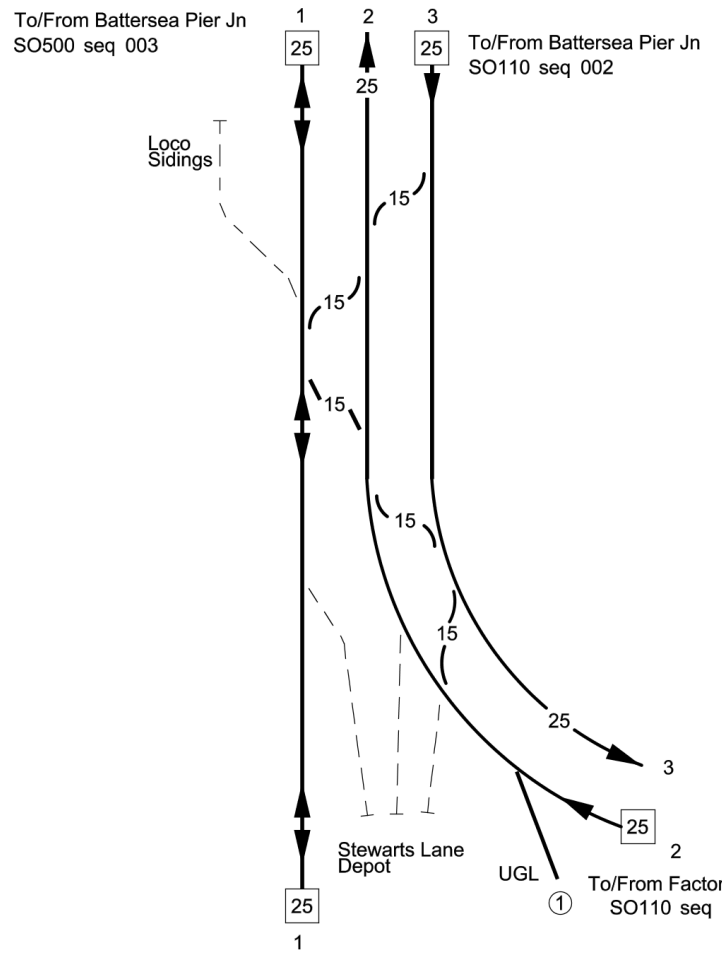
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R Sandwich SB (SW) RA8 DC:Canterbury
Ash Road LC (AHBC)	85 60	T	
Sandwich Substation	85 42		
	85 35 *		
Richborough LC (AHBC)	85 24		
Long Salts Crossing	85 07	T	
	84 68 *		Other crossing also in this area:- Cricket Accomodation 82m 34ch
	84 60 *		
Richborough Castle Crossing	84 48	T	
Richborough TP Hut	83 59		
	82 43 *		
Minster South Jn	82 21 *		
	(0 32)		
(MINSTER)	(82 11) * (81 64)		Minster SB RA8
(Minster East Jn)	(0 00)		

1 Up
2 Down
3 Up Loop
4 Down Loop
5 Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	001	Battersea Pier Jn to Willesden West London Jn	BSP1 FLL2 CKL WLL CJL	Kent / Sussex	24/02/2020

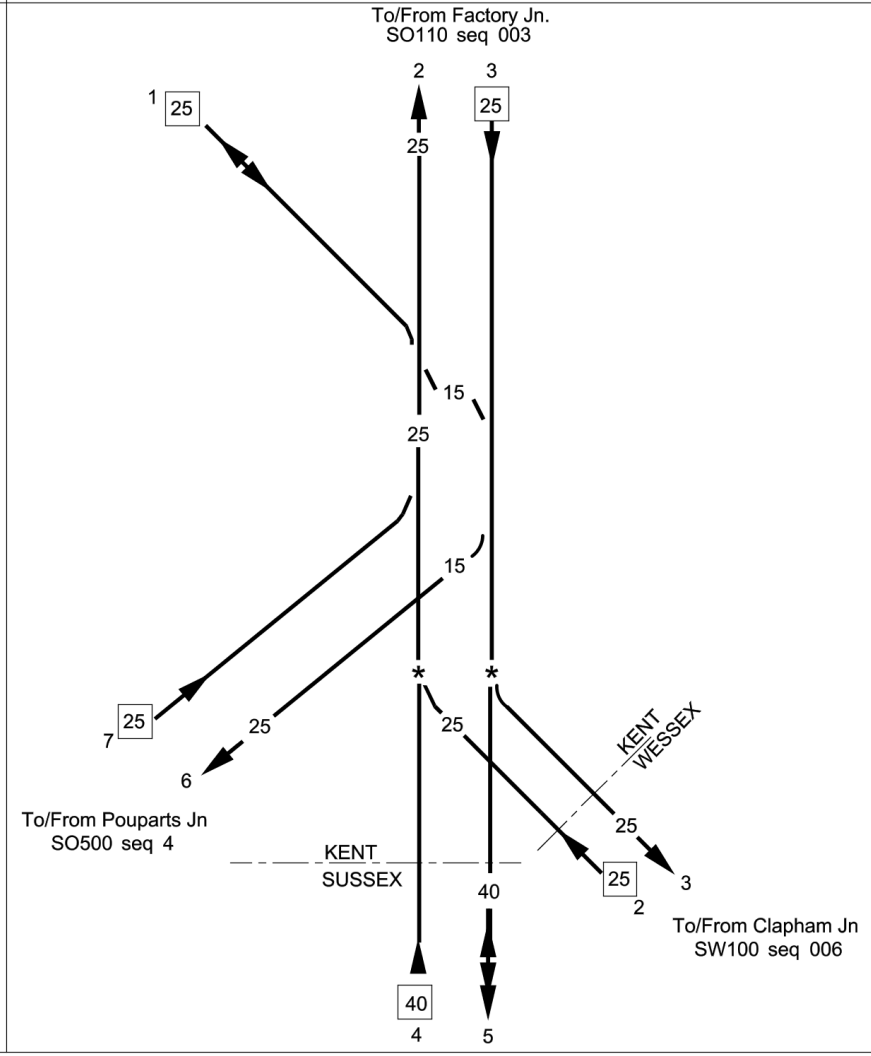
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BATTERSEA PIER JUNCTION TO LONGHEDGE JUNCTION ..... 25 MPH LONGHEDGE JUNCTION TO 1m 37ch ..... 40 MPH 1m 37ch TO KENSINGTON OLYMPIA (3m 20ch/22ch) ..... 50 MPH KENSINGTON OLYMPIA (3m 20ch/22ch) TO NORTH POLE JUNCTION ..... 60 MPH NORTH POLE JUNCTION TO MITRE BRIDGE JUNCTION ..... 30 MPH MITRE BRIDGE JUNCTION TO WEMBLEY CENTRAL ..... SEE TABLE A DIAGRAMS (ALL LINES) AUTHORISED EWS CLASS 6 & 7 INTERNATIONAL TRAFFIC ARE EXEMPT FROM THE 2/3RDS RULE OVER THIS ROUTE BUT ARE SUBJECT TO A MAXIMUM OF 40MPH BETWEEN MITRE BRIDGE JN AND SHORTLANDS JN.	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	002	Battersea Pier Jn to Willesden West London Jn	BSP1 BSF	Kent / Sussex	20/01/2018

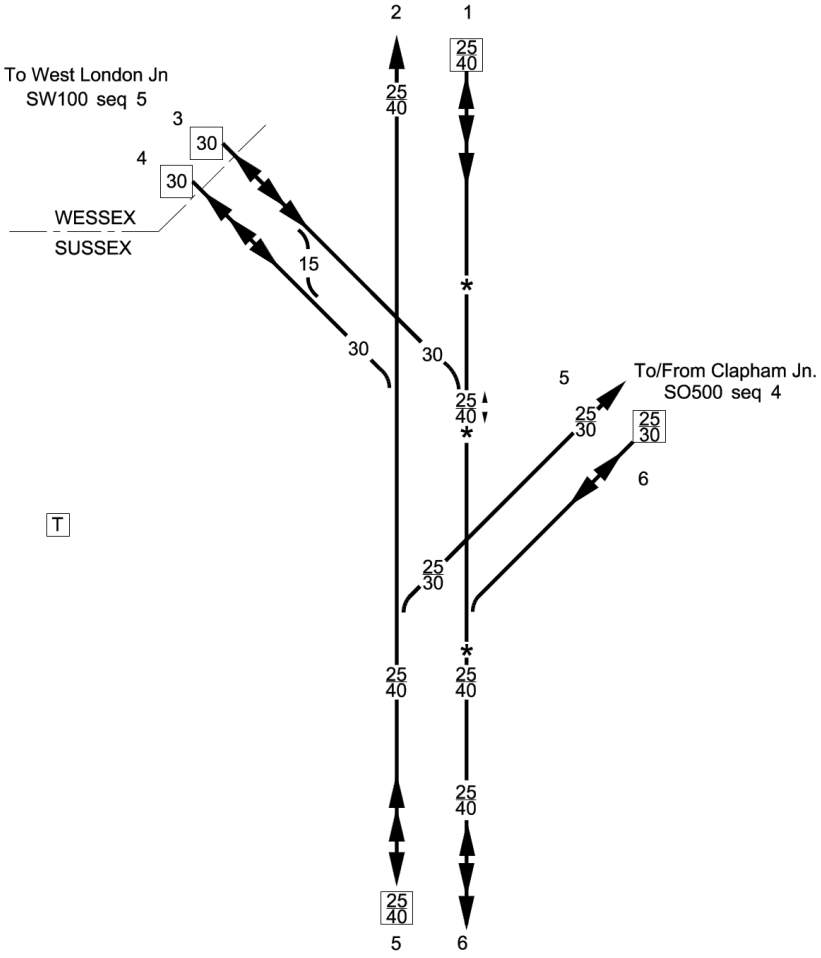
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Battersea Pier Jn)	(0 71)		GSM-R TCB Victoria SB (VC) RA8 DC: Lewisham A.W.S. not provided for temporary speed restrictions.
Stewarts Lane Jn	1 36		
Stewarts Lane	1 38		
(Factory Jn)	(1 61) (6 58)		① Not permissive

1 Battersea Reversible
2 Up Stewarts Lane
3 Down Stewarts Lane

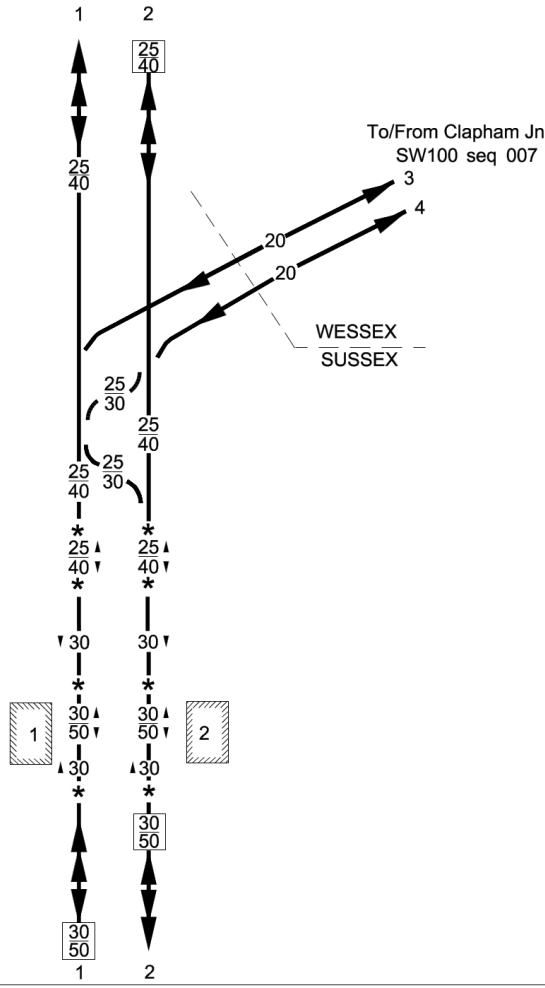
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	003	Battersea Pier Jn to Willesden West London Jn	BSP1 FLL2 CKL FLL1	Kent / Sussex	20/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Longhedge Jn	1 66 *		TCB Victoria SB (VC) RA8 DC: Lewisham GSM-R A.W.S. not provided for emergency and temporary speed restrictions.
Route Boundary	(1 77)		1 Battersea Reversible 2 Up Ludgate 3 Down Ludgate 4 Up Kensington 5 Down Kensington 6 Down Battersea 7 Up Battersea

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	004	Battersea Pier Jn to Willesden West London Jn	CKL SCC WLL	Kent / Sussex	03/01/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(West London Jn)	(3 22)		TCB Three Bridge ROC Clapham W/S (TVC) RA8 DC: Lewisham GSM-R Axle Counter area on the Down and Up West London Line On the Up West London Line - Axle Counters start at Signal TVC593 - Protecting Clapham Jn Platform 17 On the Down West London Line - Axle Counters end at Signal TVC677 - Protecting Latchmere No 1 Jn.
(**CLAPHAM JUNCTION**	(3 74)		
Route Boundary	(3 30)		
	2 32 *		
Latchmere Jn No.3	2 39		
	0 40		
	2 44 *		
Latchmere TP Hut	0 56		
Latchmere Jn No.1	0 63		
	0 64 *		

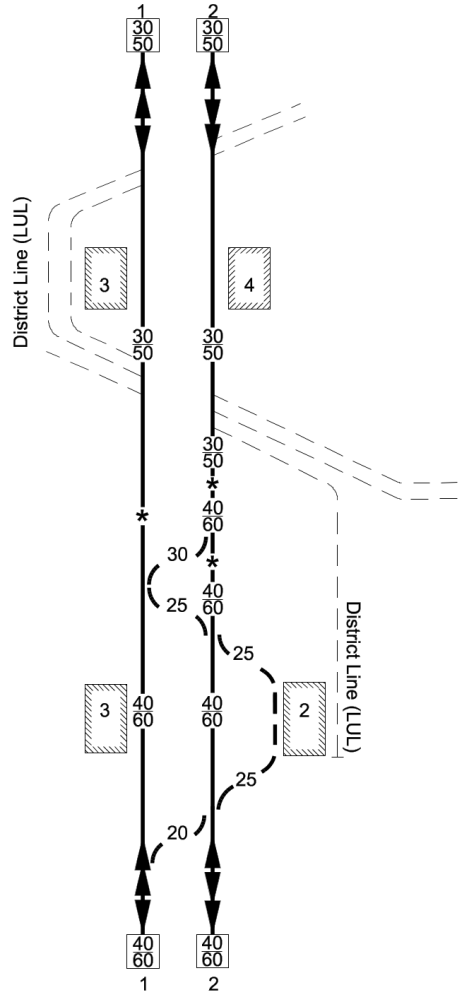
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	005	Battersea Pier Jn to Willesden West London Jn	WLL CJL	Kent / Sussex	03/01/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(**CLAPHAM JN**)	(3 74)		TCB Three Bridges ROC Clapham W/S (TVC) RA8 DC: Lewisham GSM-R
Latchmere Jn No.2	0 71		3 Up Latchmere Curve 4 Down Latchmere Curve
ROUTE BOUNDARY	0 47		
	1 06 *		
	1 20 *		
	1 37 *		
IMPERIAL WHARF	1 43		
	1 52 *		

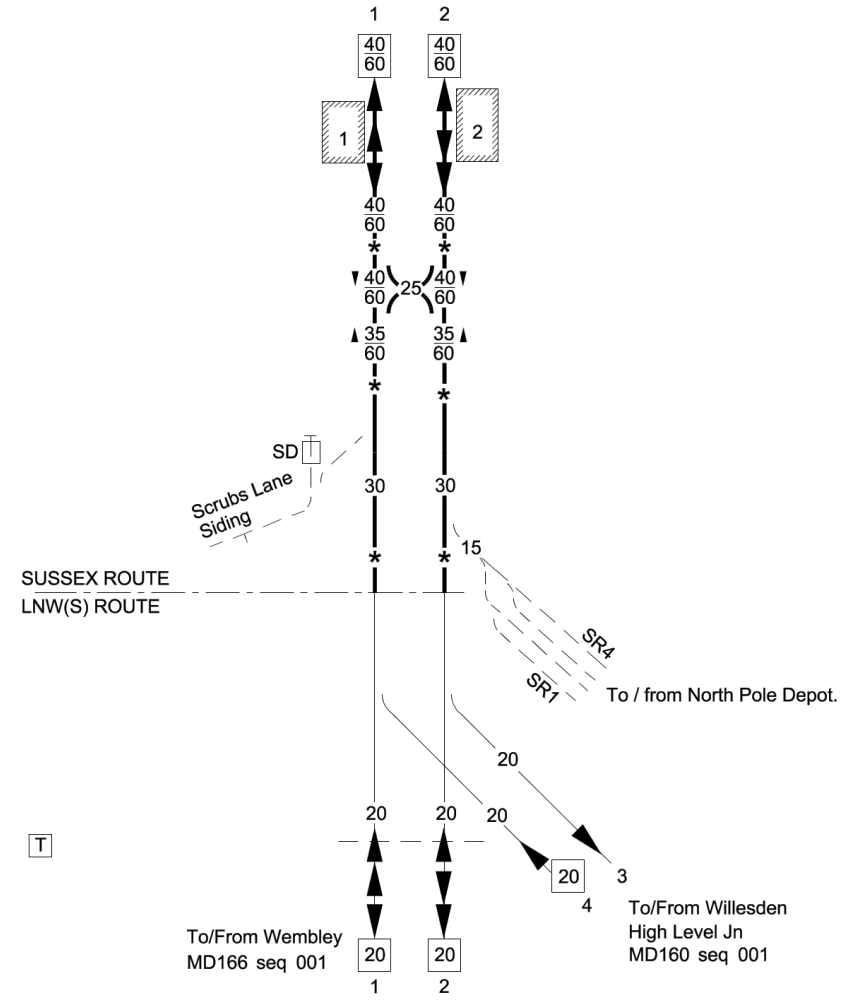
Note: These lines are also depicted in SW220 SEQ001 and 002 and should also be updated with any changes.

1 Up West London
2 Down West London

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	006	Battersea Pier Jn to Willesden West London Jn	WLL	Kent / Sussex	03/01/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Three Bridges ROC Clapham W/S (TVC) RA8 DC: Lewisham GSM-R
Chelsea Substation	1 70		
WEST BROMPTON	2 43		
Earls Court TP Hut	2 74		
	3 20 *		
	3 22 *		
	3 24 *		
KENSINGTON OLYMPIA	3 42		Platform 2 PP
Kensington Olympia Substation	3 69		
			1 Up West London 2 Down West London

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	007	Battersea Pier Jn to Willesden West London Jn	WLL	Kent / Sussex	08/07/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SHEPHERDS BUSH	4 15		TCB Three Bridges ROC Clapham W/S (TVC) RA8 DC: Lewisham GSM-R
Westway TP Hut	4 55		DC: Lewisham AC: Rugby ECR
	4 61 *		
Limit of AC overhead electrification	4 73		
	5 32 *		
North Pole Jn	5 33 *		
(Up Siding connection)	5 35		
North Pole Substation	5 41		
Limit of DC third rail electrification	5 48		AC: Rugby ECR
(North Pole Depot connection)	5 48		
	5 59 *		
Route Boundary / Sectional Appendix Boundary	5 65	SUSSEX ROUTE LNW(S) ROUTE	SR4: Stabling Road 4. SR1: Stabling Road 1.
Mitre Bridge Jn	5 67	To / from North Pole Depot.	Wembley Mainline SB (WM) AC: Rugby FOR FULL DETAILS OF MITRE BRIDGE AREA REFER TO MD166 seq 001
Mitre Bridge LC (CCTV)	5 72	To/From Wembley MD166 seq 001 To/From Willesden High Level Jn MD160 seq 001	1 Up West London 2 Down West London 3 Up High Level 4 Down High Level

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	008	Battersea Pier Jn to Wembley	LLG	LNW South	02/12/2017

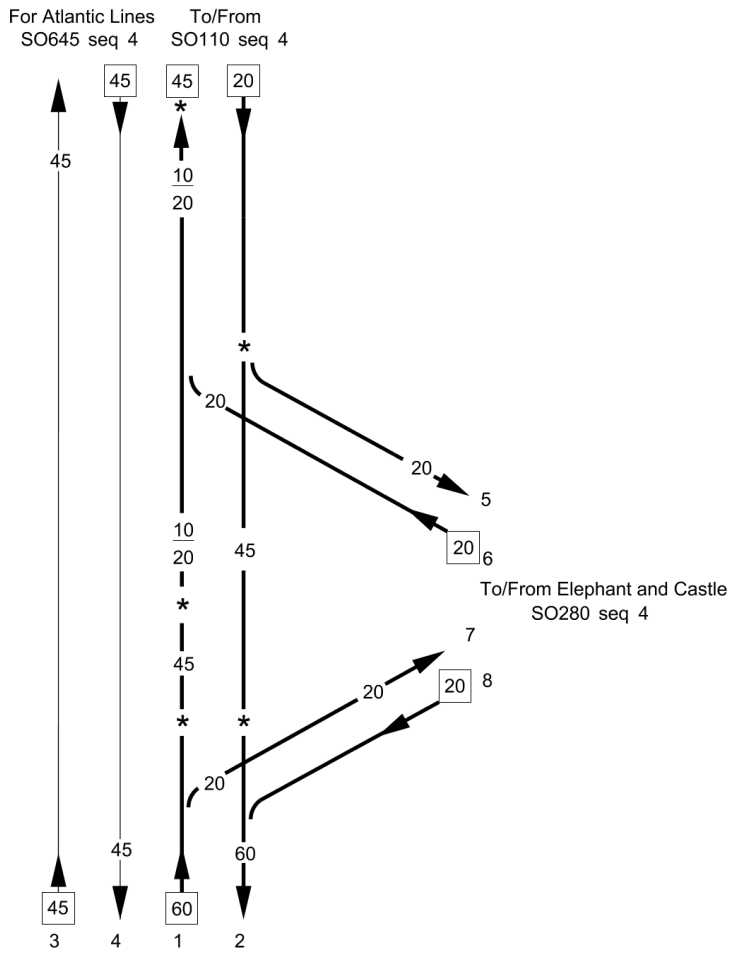
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		THIS TABLE A HAS BEEN WITHDRAWN	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO250	009	Battersea Pier Jn to Wembley	LLG	LNW South	02/12/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		THIS TABLE A HAS BEEN WITHDRAWN	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO260	001	Brixton Jn to Shortlands Jn	CAT	Kent / Sussex	26/05/2020

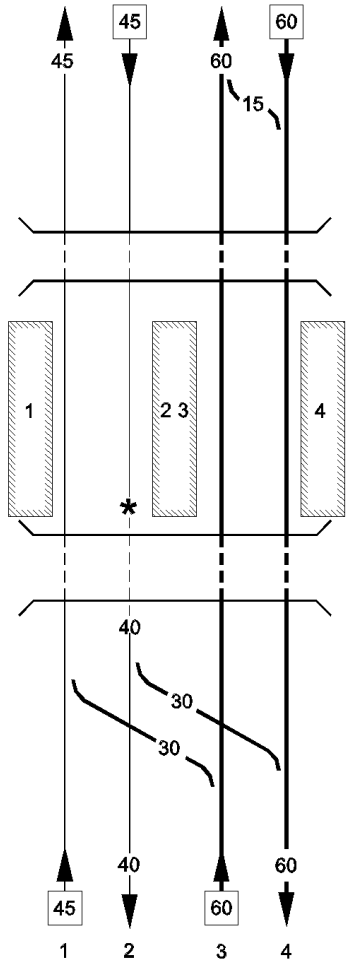
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Shepherds Lane Jn)	(2 60)	MAXIMUM PERMISSIBLE SPEED ON CATFORD LOOP LINES - 60MPH	TCB Victoria SB (VS) RA8 DC: Lewisham
	(5 62)		
	3 11 *		
(**BRIXTON**)	(3 14)		
Canterbury Road Jn	(3 24) *		Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route but are subject to a maximum of 40mph between Mitre Bridge Jn and Shortlands Jn.
	(3 79)		
(Loughborough Jn)	(3 39)		A.W.S not provided for emergency and temporary speed restrictions.
	3 45 *		
	3 64 *		
Cambria Jn	(3 62)		
	(3 68)		



GSM-R

1 Up Catford Loop
2 Down Catford Loop
3 Up Atlantic
4 Down Atlantic
5 Down Brixton Spur
6 Up Brixton Spur
7 Up Cambria Spur
8 Down Cambria Spur

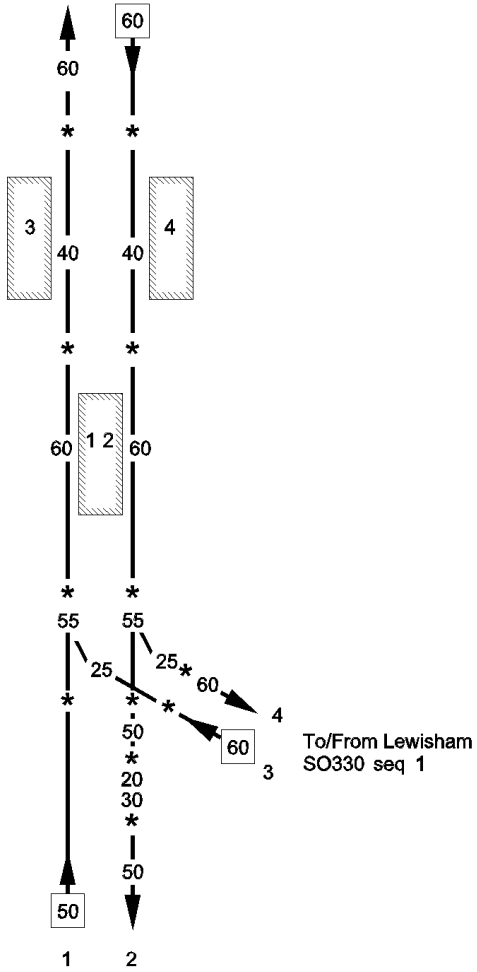
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO260	002	Brixton Jn to Shortlands Jn	CAT	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham A.W.S.not provided for emergency and temporary speed restrictions between Brixton and Denmark Hill.
Denmark Hill Tunnel (63 Yards)	4 12 (4 32)		
	4 15 (4 29)		
DENMARK HILL	4 22 (4 23)		
	(4 20) *		
Grove Tunnel (132 Yards)	4 30 (4 14)		
	4 36 (4 09)		
Crofton Road Jn	4 67 (3 67)		
(**PECKHAM RYE**)	(3 36)		

For Atlantic lines SO645 seq 4

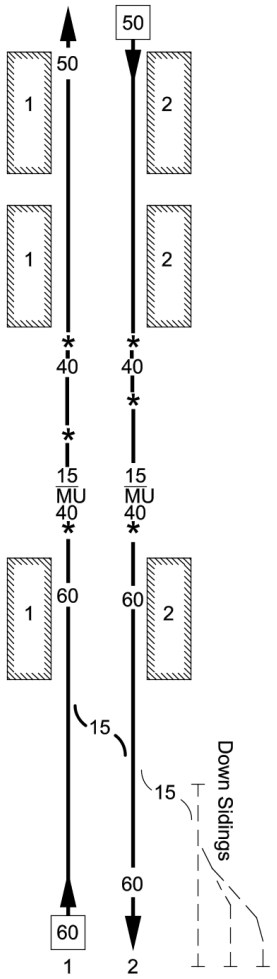
1 Up Atlantic
2 Down Atlantic
3 Up Catford Loop
4 Down Catford Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO260	003	Brixton Jn to Shortlands Jn	CAT	Kent / Sussex	19/03/2016

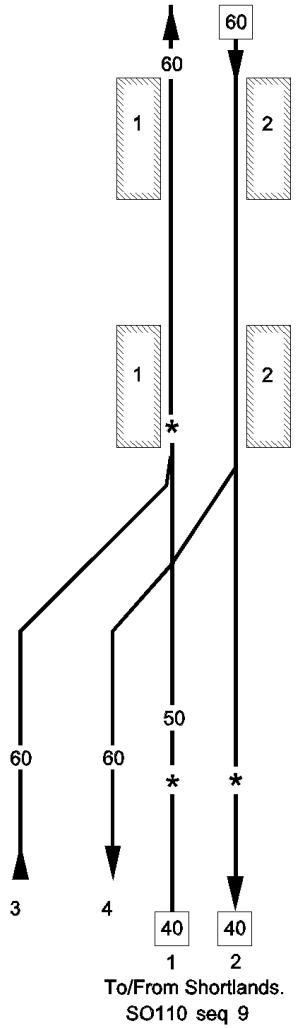
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Peckham Rye TP Hut	4 78		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham
	5 00 *		
PECKHAM RYE	5 13		
	5 40 *		
NUNHEAD	5 77		
Nunhead Jn	6 09 *		
	6 15 *		
Nunhead Substation	6 18		
	6 28 *		
	6 45 *		

1 Up Catford Loop
2 Down Catford Loop
3 Up Lewisham
4 Down Lewisham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO260	004	Brixton Jn to Shortlands Jn	CAT	Kent / Sussex	13/04/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CROFTON PARK	7 11		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham
Crofton Park TP Hut	7 21		
CATFORD	8 03		
	8 10 *		
Catford Substation	8 24		
	8 26 *		
	8 27 *		
	8 31 *		
BELLINGHAM	8 73		1 Up Catford Loop 2 Down Catford Loop

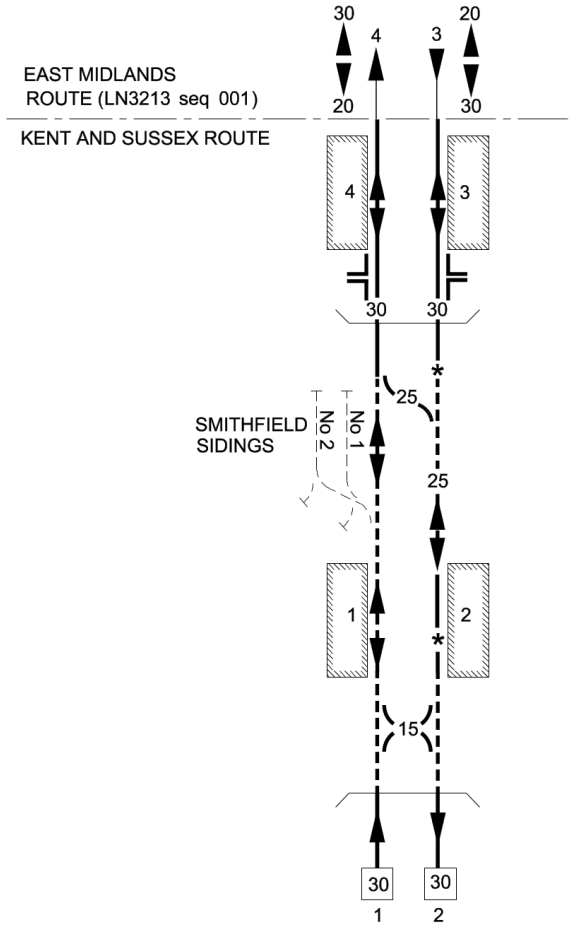
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO260	005	Brixton Jn to Shortlands Jn	CAT	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Beckenham Hill TP Hut	9 38		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham
BECKENHAM HILL	9 45		
RAVENSBOURNE	10 34		
	10 39 *		
(Ravensbourne Jn)	(10 44)		
	(0 00)		
Shortlands Substation	10 62		
	10 67 *		
(Shortlands Jn)	(10 73)		

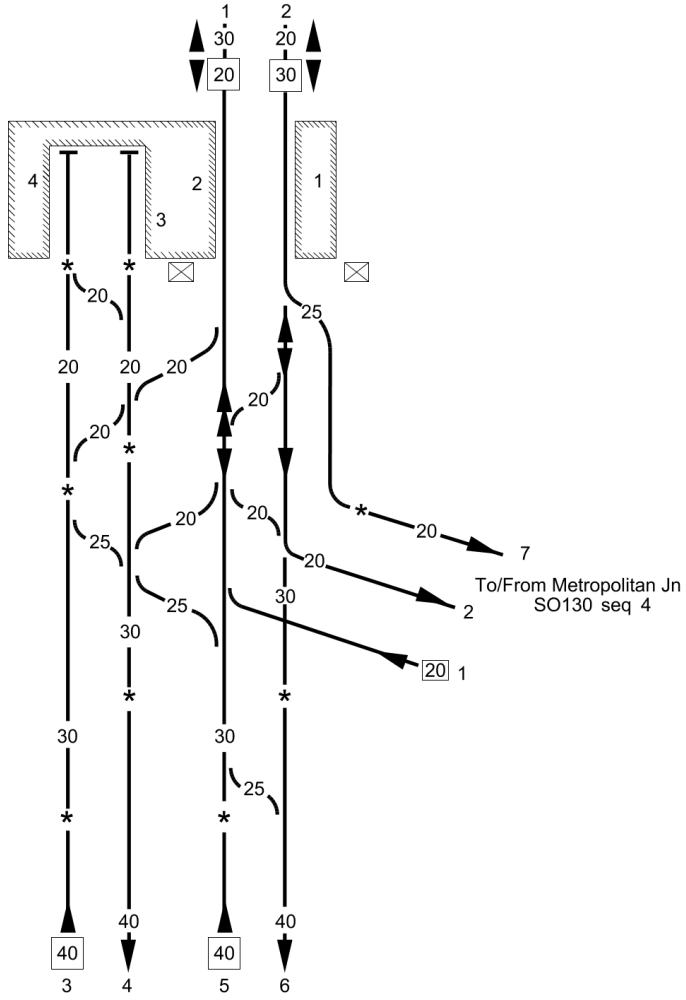
1 Up Catford Loop
2 Down Catford Loop
3 Up Ravensbourne Chord
4 Down Ravensbourne Chord

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO280	001	Farringdon to Herne Hill	FTL MCL HHH	Kent / Sussex	27/05/2023

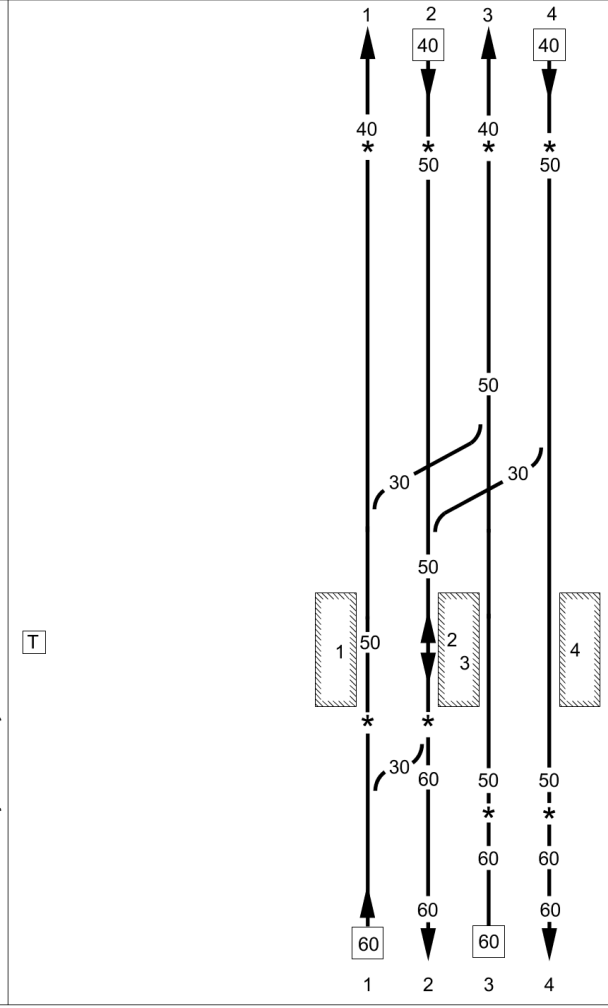
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Route Boundary	0 66	MAXIMUM PERMISSIBLE SPEED BETWEEN FARRINGDON AND BLACKFRIARS. - 30 MPH BLACKFRIARS AND HERNE HILL - 60 MPH	TCB TBROC Core Central Workstation PoSA ERTMS L2 Overlay AC: Derby ECR RA10 DC: Lewisham Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated GSM-R
FARRINGDON	0 62		TCB TBROC Core South Workstation PoSA ERTMS L2 Overlay AC: Derby ECR RA4 DC: Lewisham Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated GSM-R
Farringdon Substation	0 04		
Snow Hill Tunnel	0 04		
(North Portal)	0 19 *		Emergency Point and Route Release Area LT3 - WH9510 (Up Moorgate Line) LT4 - WH9511 (Down Moorgate Line) LT5 - VS9560 (Down Snow Hill Line) LT6 - VS9561 (Up Snow Hill Line)
Smithfields Sidings	0 15		A.W.S. not provided for emergency and temporary speed restrictions.
CITY THAMESLINK	0 28 0 29 *		Platform Lengths (Farringdon): 3 - 269 metres 4 - 269 metres Platform Lengths (City Thameslink): 275 metres 275 metres
Snow Hill Tunnel	0 44		
	0 23		
(Change of Mileage)			
Ludgate Cellars Substation	0 43		1 Up Snow Hill 2 Down Snow Hill 3 Up Moorgate 4 Down Moorgate



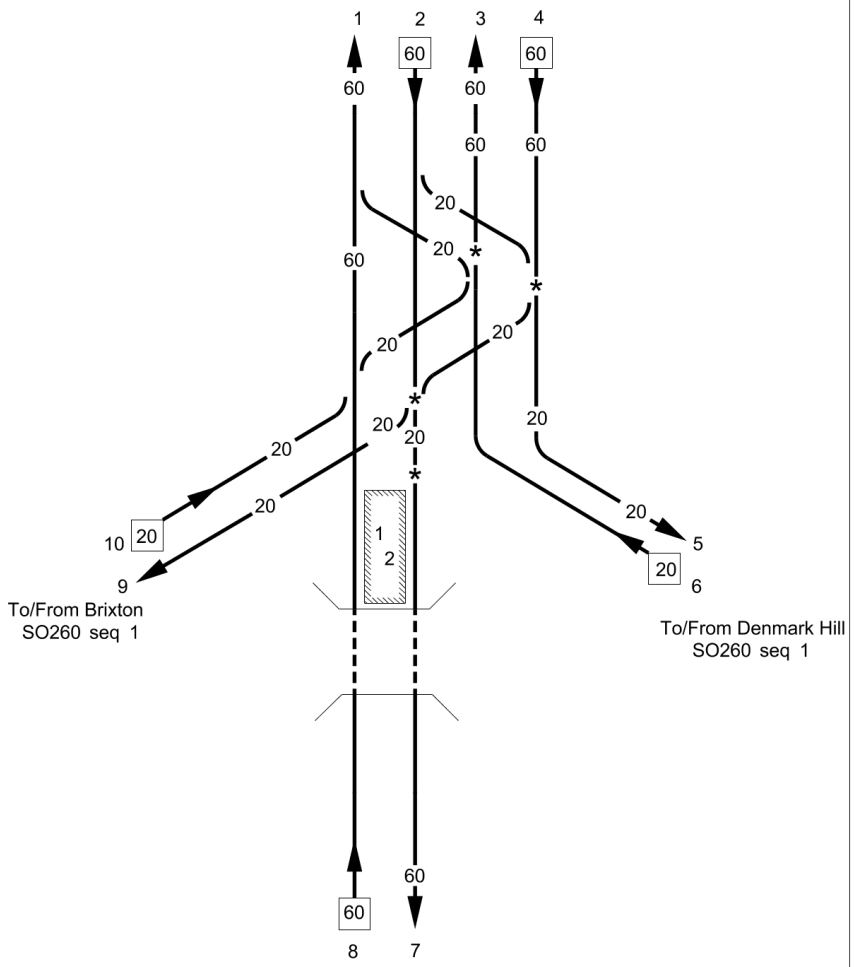
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO280	002	Farringdon to Herne Hill	HHH BMJ	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BLACKFRIARS	0 35		TCB PoSA TBROC Core South Workstation (TVS) ERTMS L2 Overlay RA8 DC:Lewisham Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated GSM-R
	0 40 *		Emergency Point and Route Release Area
			Platform Lengths: Platform 1 - 269 metres Platform 2 - 282 metres Platform 3 - 282 metres (PP) Platform 4 - 284 metres (PP)
	0 52 *		☒ LOD(T) Traffic Lock Out Device - Inhibits all movements on designated line(s) N.B Full details of the protection afforded is as defined in the line side case
	0 53 *		
	0 60 *		
Blackfriars Jn	0 63		
	0 65 *		
Southwark Substation	0 67		A.W.S. not provided for emergency and temporary speed restrictions.
Union Street Junction	0 68 *		1 Up Snow Hill 2 Down Snowhill 3 Up Holborn Slow 4 Down Holborn Slow 5 Up Holborn Fast 6 Down Holborn Fast 7 Down Snow Hill Spur

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO280	003	Farringdon to Herne Hill	HHH	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	0 78 *		TCB TBROC Core South Workstation GSM-R PoSA ERTMS L2 Overlay RA8 DC: Lewisham Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated Emergency Point and Route Release Area A.W.S. not provided for emergency and temporary speed restrictions.
Southwark Bridge Jn	1 20		TCB TBROC Core South Workstation GSM-R RA8 DC: Lewisham
ELEPHANT AND CASTLE	1 47	T	
	1 54 *		Bridge 384 - Steedham Street - 1m 59ch Locomotive hauled freight/engineers trains are not permitted to pass over the structure on the Up & Down Holborn Fast lines. Locomotive hauled passenger trains (including the new measurement train) are permitted to pass over the structure at 20mph
	1 70 *		
Walworth TP Hut	2 20		1 Up Holborn Slow 2 Down Holborn Slow 3 Up Holborn Fast 4 Down Holborn Fast

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO280	004	Farringdon to Herne Hill	HHH LTC LOC	Kent / Sussex	09/05/2020

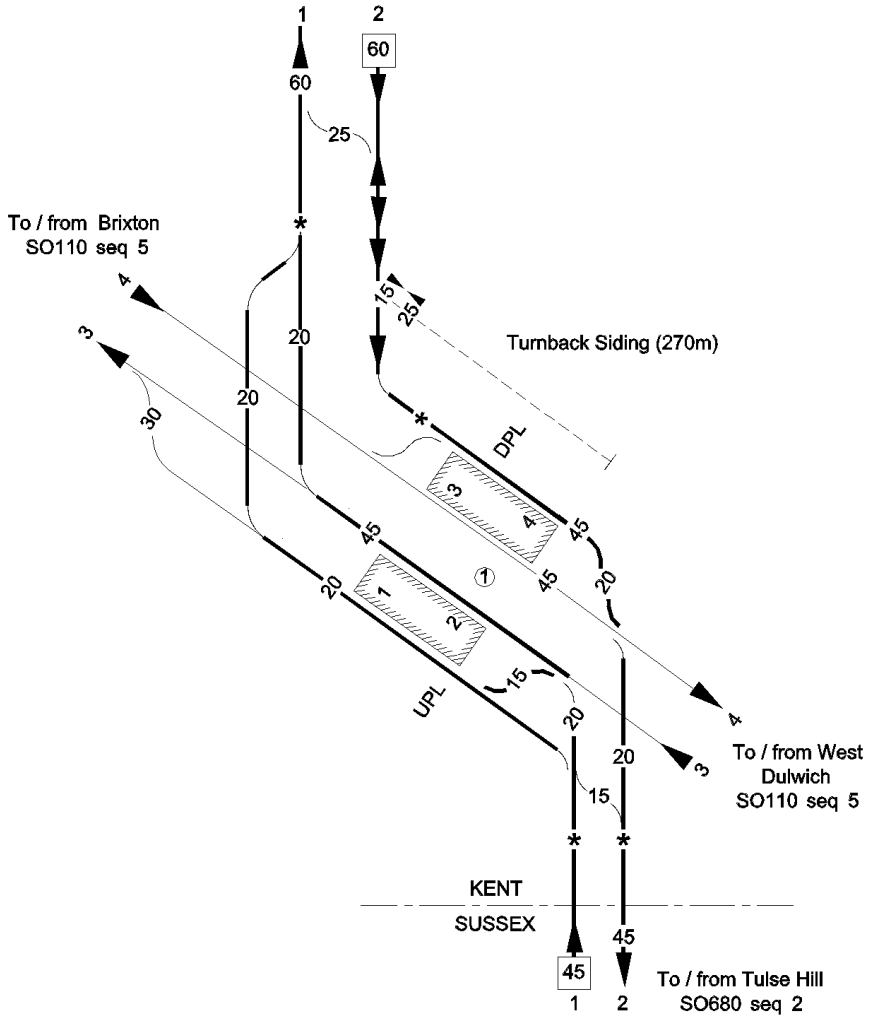
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VS) RA8 DC:Lewisham A.W.S. not provided for emergency and temporary speed restrictions. Bridge 362 - Lilford Road - 3m 25ch Locomotive hauled freight/engineers trains are prohibited to pass over this structure on the Up & Down Holborn Fast lines. Locomotive hauled passenger trains (including the new measurement train) are permitted to pass over this structure at 20 mph.
	3 32 *		
	3 34 *		
Loughborough Jn	3 36 *		
Loughborough Substation	3 41		
	3 42 *		
(Canterbury Road Jn)	(3 79)		
LOUGHBOROUGH JN	3 48		
(Cambria Jn)	(3 62)		
(Herne Hill North Jn)	(4 32)		
Intersection CAT/ATL over HHH	3 52		

To/From Brixton SO260 seq 1

To/From Denmark Hill SO260 seq 1

1 Up Holborn Slow
2 Down Holborn Slow
3 Up Holborn Fast
4 Down Holborn Fast
5 Down Cambria Spur
6 Up Cambria Spur
7 Down Holborn
8 Up Holborn
9 Up Brixton Spur
10 Down Brixton Spur

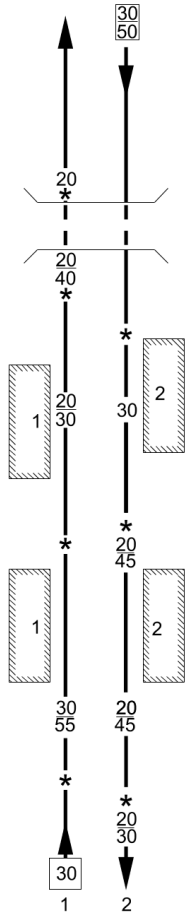
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO280	005	Farringdon to Herne Hill	HHH VIR HHT	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VS) RA8 DC:Lewisham AWS not provided for emergency and temporary speed restrictions.
	4 24 *		
Herne Hill North Jn	4 30 *		ELR - HHH
	3 70		ELR - VIR
HERNE HILL	3 70		DPL 27 UPL 28 ① The lines through Tulse Hill platforms are duplicated on SO110 seq 005
Herne Hill South Jn	4 06		ELR - VIR
	4 06		ELR - HHH
	4 15 *		
Route Boundary	4 63		1 Up Holborn 2 Down Holborn 3 Up Chatham Main 4 Down Chatham Main

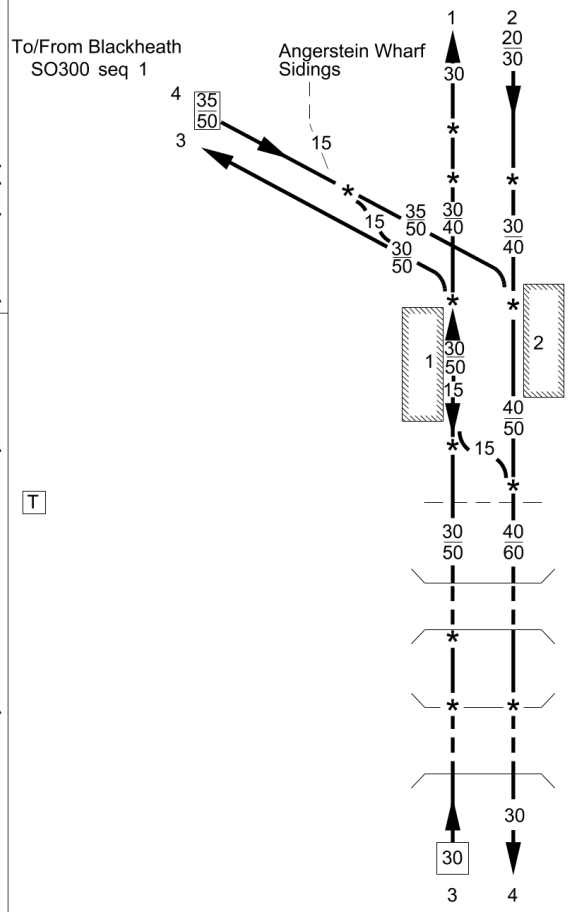
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	001	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	04/07/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSABLE SPEED BETWEEN NORTH KENT EAST JN. AND DARTFORD - 60MPH	TCB Three Bridges ROC (TL) RA6 Angerstein Workstation DC:Lewisham GSM-R
		To/ From North Kent East Jn SO130 seq 007	A.W.S. not provided for emergency and temporary speed restrictions between North Kent East Jn and Maze Hill.
(North Kent East Jn)	(4 25)		
	4 69 *		
	4 72 *		Axle Counter Area 4m 66ch
DEPTFORD	4 76		
	5 24 *		
	5 28 *		
GREENWICH	5 36		
Greenwich Substation	5 37		
	5 64 *		
		35/60, 40/60, 35/40, 30/40, 20, 1, 2, Docklands Light Railway	1 Up Greenwich 2 Down Greenwich

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	002	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	04/07/2021

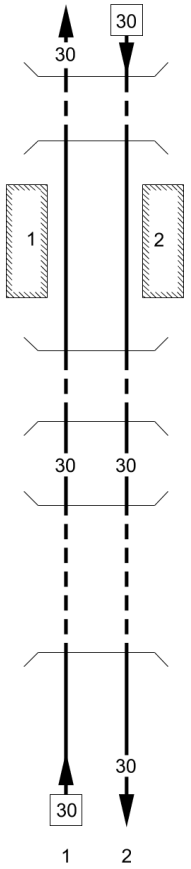
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC (TL) RA6 Angerstein Workstation DC: Lewisham
	5 60 *		A.W.S. not provided for emergency and temporary speed restrictions between North Kent East Jn and Maze Hill.
Greenwich College Tunnel (450 yards)	5 65 to 6 05		
	6 08 *		
	6 18 *		Axle Counter Area
MAZE HILL	6 27		
	6 34 *		
	6 38 *		
	6 39 *		
WESTCOMBE PARK	6 76		
	7 08 *		
	7 18 *		
			1 Up Greenwich 2 Down Greenwich

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	003	North Kent East Jn to Dartford Jn (via Greenwich)	NKL BTC AGW	Kent / Sussex	04/07/2021

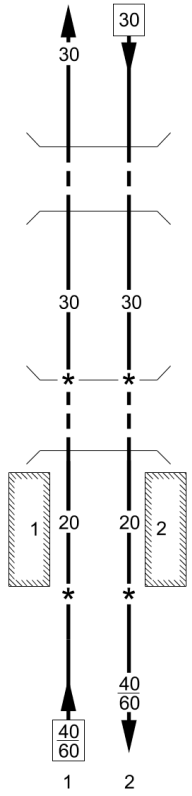
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Blackheath Jn)	(7 14) *		GSM-R
	7 28 *		TCB Three Bridges ROC (TL)
	7 29 *		RA6 Angerstein Workstation
(Angerstein Jn)	(8 46) *		DC: Lewisham
Charlton Jn	7 35 *		A.W.S. not provided at signal L425 (Exit from Angerstein Wharf line.)
Charlton Substation	(8 63)		Axle Counter Area
CHARLTON	7 40		
	7 44		RA8
	7 62 *		
	7 66		
Charlton Lane LC	8 01	T	
	8 02		
Charlton Tunnel (154 yards)	8 03 to 8 10		
Mount Street Tunnel (121 yards)	8 14 * to 8 20		

1 Up Greenwich
2 Down Greenwich
3 Up North Kent
4 Down North Kent

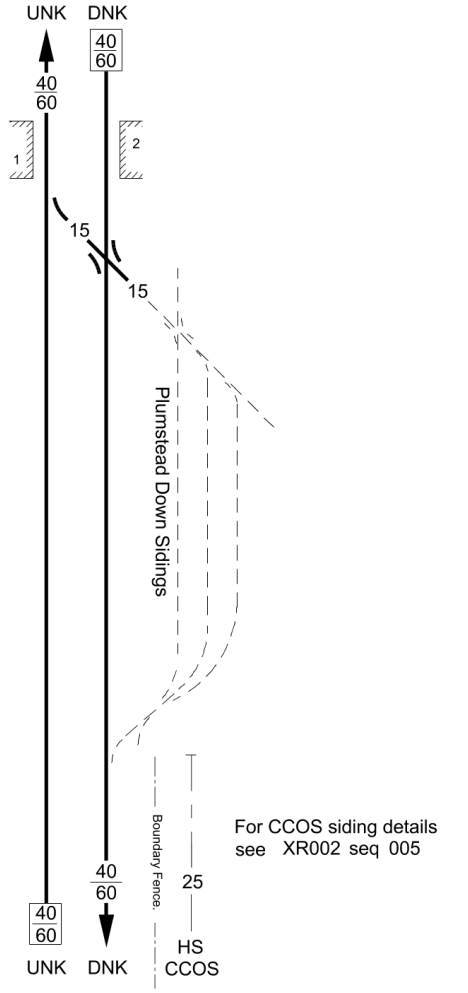
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	004	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	04/07/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC (TL) RA8 Angerstein Workstation DC: Lewisham
Dockland Tunnel (121 yards)	8 43 to 8 50		
WOOLWICH DOCKYARD	8 56		
Woolwich Dockyard Substation	8 56		Axle Counter Area
Coleman Street Tunnel (89 yards)	8 61 to 8 65		
George IV Tunnel (238 yards)	8 71 to 9 02		
			1 Up North Kent 2 Down North Kent

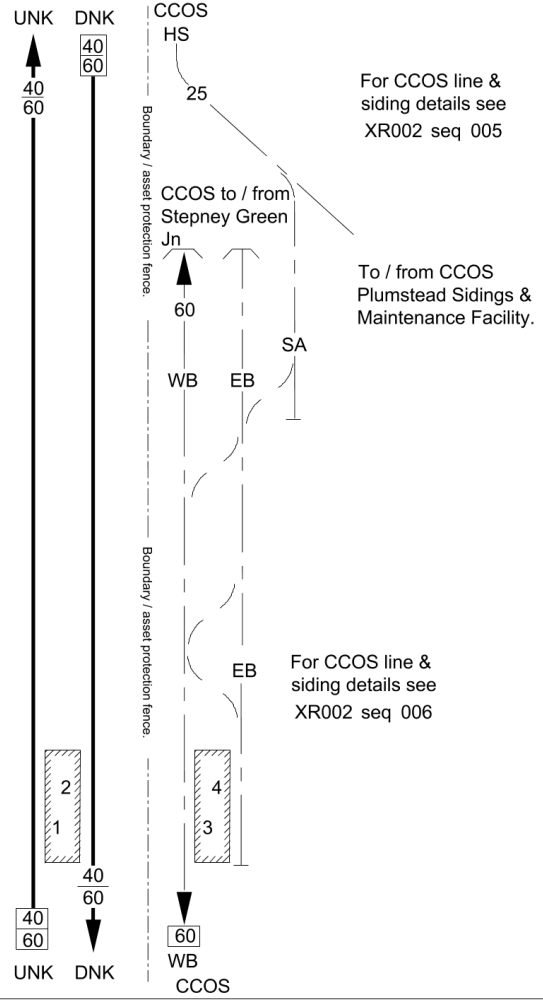
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	005	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	04/07/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC (TL) RA8 Angerstein Workstation DC: Lewisham
Calderwood Street Tunnel (58 yards)	9 12 to 9 15		
Cross Street Tunnel (134 yards)	9 21 * to 9 27		Axle Counter Area 9m 27ch
WOOLWICH ARSENAL	9 32 9 42 *		Ashford IECC (NK)
			1 Up North Kent 2 Down North Kent

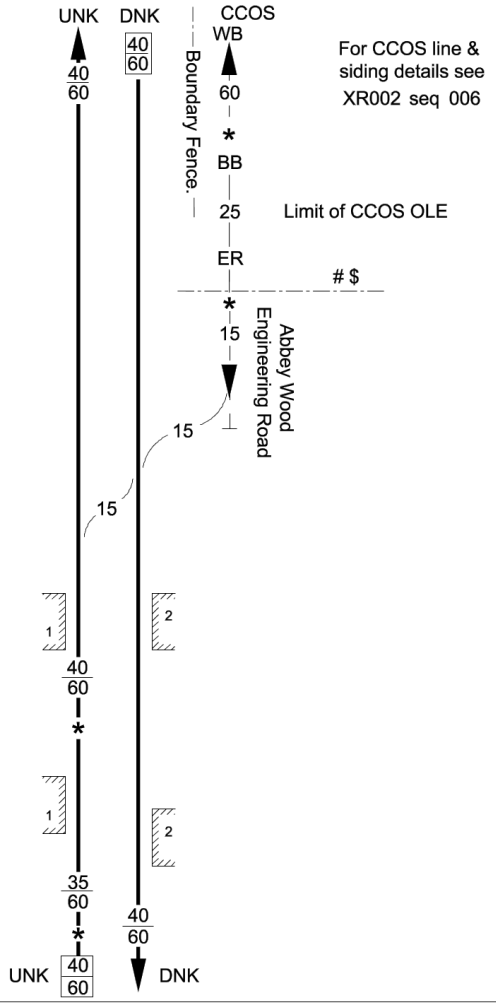
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	006	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
PLUMSTEAD	10 01		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham UNK = Up North Kent DNK = Up North Kent
Plumstead Substation	10 31	For CCOS siding details see XR002 seq 005	Operating details CCOS only : - Communications Based Train Control (CBTC) Rail for London Infrastructure RCC (XR) RA3 AC: ECO RFLI RCC All CCOS lines use COS Rule Book & ELR = XRS Axle Counter area. HS = Head Shunt (to / from CCOS Plumstead Sidings & Maintenance Facility).

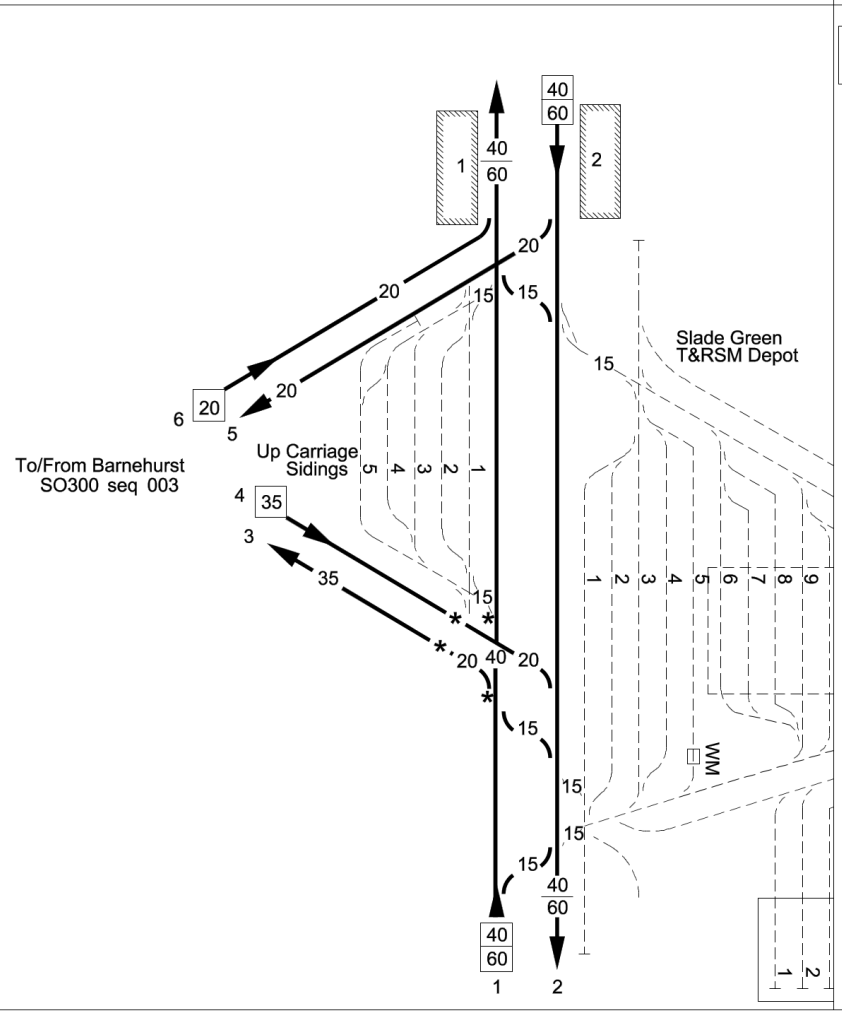
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	007	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Plumstead Portal CCOS	10 53		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham UNK = Up North Kent DNK = Up North Kent
Plumstead Sidings Crossover CCOS	10 67		CCOS - Crossrail Central Operating Section lines, Operating details CCOS only : - Communications Based Train Control (CBTC) Rail for London Infrastructure RCC (XR) RA3 AC: ECO RFLI RCC All CCOS lines use COS Rule Book & ELR = XRS Axle Counter area. HS - CRL Head Shunt SA - CRL Sidings Access Road EB - CRL Eastbound, WB - CRL Westbound
ABBEY WOOD	11 43		

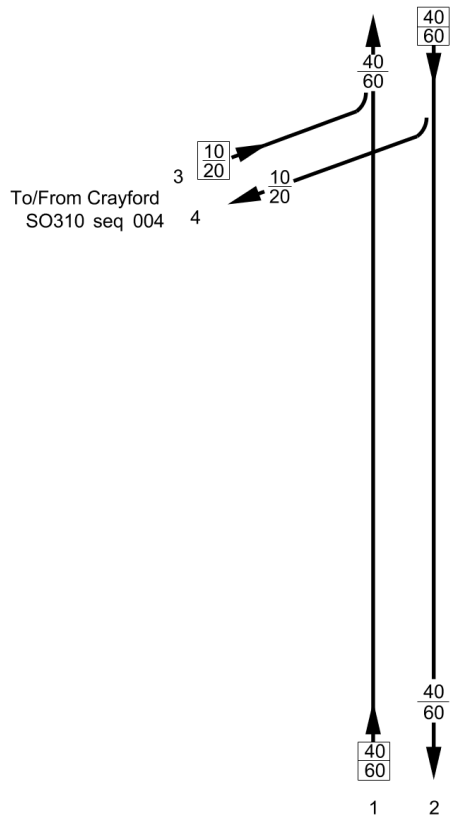
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	008	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	23/12/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham UNK = Up North Kent DNK = Up North Kent CCOS - Crossrail Central Operating Section lines, All CCOS lines ELR = XRS Axle Counter area. EB - CRL Eastbound, WB - CRL Westbound BB - CRL Bolthole Berth ER - CRL Engineering Road Operating details CCOS only: - Communications Based Train Control (CBTC) Rail for London Infrastructure RCC (XR) RA3 AC: ECO RFLI RCC $ - Railway Group Standard Rule Book boundary: - COS Rule Book / GE/RT8000.
Route Boundary CCOS / NR ER only (#)	12 02		
Alsike Road Jn	12 05		
Belvedere Substation	12 70		
BELVEDERE	12 75		
Erith TP Hut	14 09		
ERITH	14 18		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	009	North Kent East Jn to Dartford Jn (via Greenwich)	NKL PSF BEX	Kent / Sussex	18/02/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SLADE GREEN	15 30		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham
Slade Green Jn	15 36		
	(15 31)		
Slade Green Substation	15 42		
(Perry Street Fork Jn)	(15 67)		
	(15 32) *		
	15 59 *		
Crayford Creek Jn	15 66		
	(15 36)		
	15 67 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO290	010	North Kent East Jn to Dartford Jn (via Greenwich)	NKL CRA	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Crayford Spur "A" Jn	16 42		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham
	(16 41)		
(Crayford Spur "B" Jn)	(16 11)		
Dartford Substation	16 65		
(Dartford Jn)	(17 05)		1 Up North Kent 2 Down North Kent 3 Down Crayford Spur 4 Up Crayford Spur

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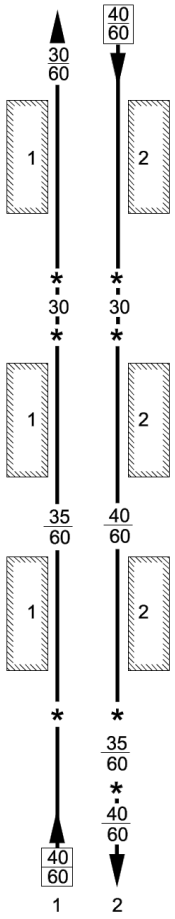
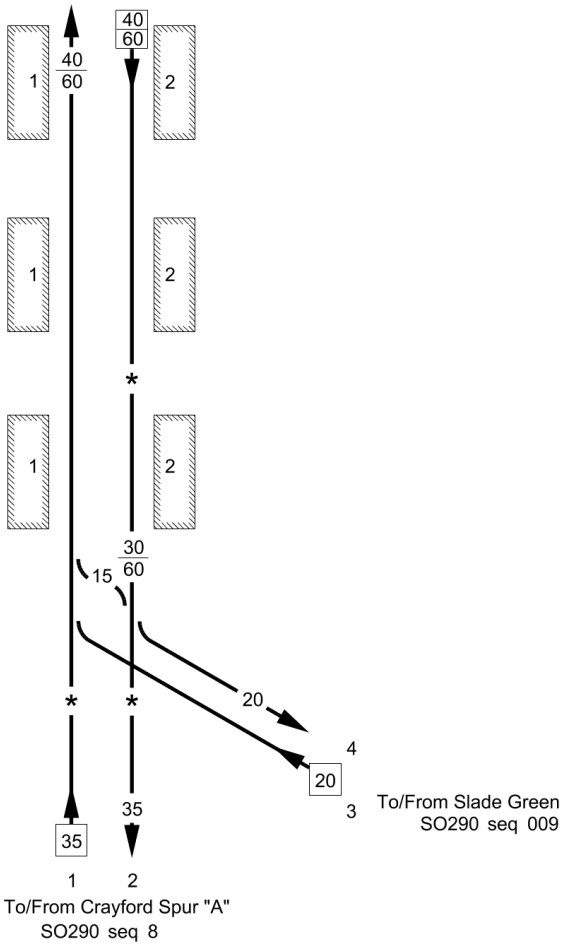
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO300	001	Lewisham to Crayford Creek Jn (via Bexleyheath)	BEX BTC	Kent / Sussex	04/07/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE BETWEEN LEWISHAM AND CRAYFORD CREEK JN - 60 MPH To/From Nunhead/St.Johns SO330 seq 1	GSM-R TCB Three Bridges ROC (TL) RA8 Angerstein Workstation DC: Lewisham
(Lewisham)	(6 04)		Axle Counter Area 6m 30ch
	6 12 *		
BLACKHEATH	6 75		
Blackheath Jn	7 14 * 7 16 *		
Blackheath Substation	7 18		
Kidbrooke Tunnel (437 yards)	7 26 7 31 7 46 * 7 48 *		
Blackheath Tunnel (1681 yards)	7 30 to 8 26 *		
(Angerstein Jn)	(8 46)	To/From Charlton Jn SO290 seq 3	1 Up Bexleyheath 2 Down Bexleyheath 3 Up North Kent 4 Down North Kent

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO300	002	Lewisham to Crayford Creek Jn (via Bexleyheath)	BEX	Kent / Sussex	01/06/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC (TL) RA8 Angerstein Workstation DC: Lewisham
KIDBROOKE	7 74	T	
	8 65 *		
Eltham (Well Hall) Substation	8 71	T	
	9 03 *		
ELTHAM	9 11	T	Axle Counter Area 9m 60ch
			GSM-R Ashford IECC (NK)
FALCONWOOD	10 27	T	
	10 40 *		
Falconwood Substation	10 48	T	
	11 18 *		
			1 Up Bexleyheath 2 Down Bexleyheath

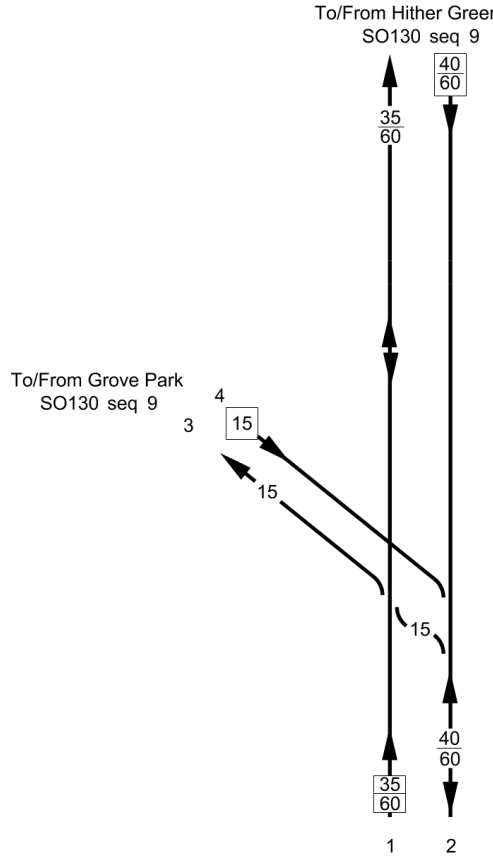
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO300	003	Lewisham to Crayford Creek Jn (via Bexleyheath)	BEX PSF	Kent / Sussex	30/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WELLING	11 28		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham
Bexleyheath Substation	12 29		
BEXLEYHEATH	12 59		
	12 79 *		
BARNEHURST	13 71		
Barnehurst Substation	13 71		
Perry Street Fork Jn	15 07		
	15 16 *		
(Slade Green Jn)	(15 31)		
(Crayford Creek Jn)	(15 36)		

1 Up Bexleyheath
2 Down Bexleyheath
3 Up Erith Loop
4 Down Erith Loop

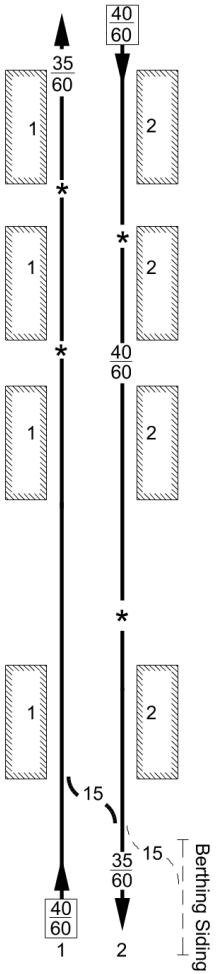
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	001	Hither Green to Maidstone West (via Dartford)	HDR LEE	Kent / Sussex	05/09/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(HITHER GREEN)	(7 16)	MAXIMUM PERMISSIBLE SPEED BETWEEN HITHER GREEN TO DARTFORD - 60 MPH DARTFORD TO MAIDSTONE WEST - 70 MPH	TCB Three Bridges ROC Grove Park B workstation (TL) RA8 DC: Lewisham GSM-R
(Lee Spur Jn)	(0 29)		Axle Counter Area
Lee Loop Jn	7 45		

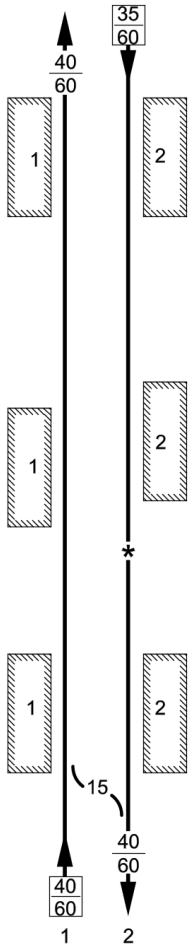


1 Up Dartford Loop
2 Down Dartford Loop
3 Up Hither Green Spur
4 Down Hither Green Spur

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	002	Hither Green to Maidstone West (via Dartford)	HDR	Kent / Sussex	05/09/2020

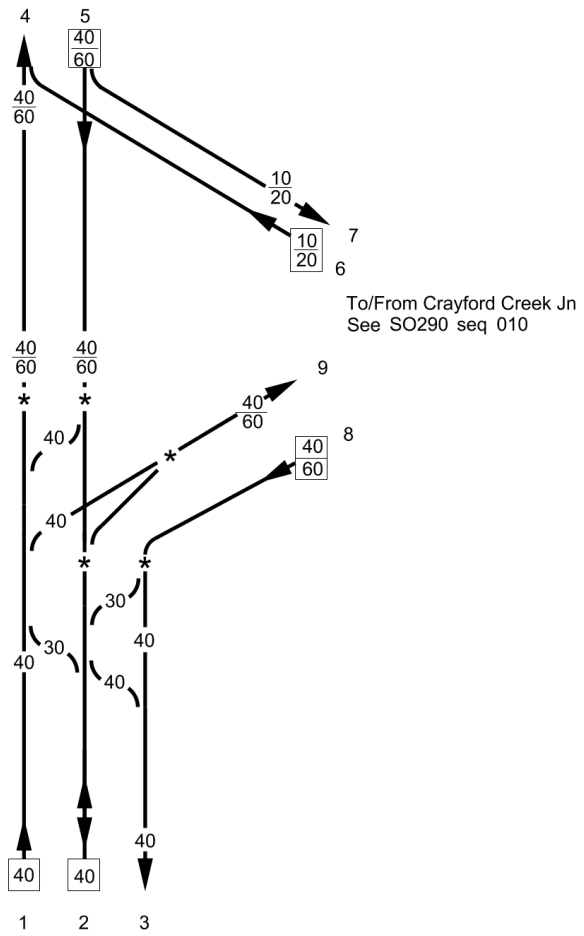
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
LEE	7 66		TCB Three Bridges ROC Grove Park B workstation (TL) GSM-R RA8 DC: Lewisham
Lee Substation	8 07 8 55		
	9 02 *		Axle Counter Area
MOTTINGHAM	9 40		
New Eltham Substation	9 70 * 10 15	T	Ashford IECC (NK) GSM-R
NEW ELTHAM	10 32		
	11 40 *		
Sidcup TP Hut	11 65		
SIDCUP	11 73		1 Up Dartford Loop 2 Down Dartford Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	003	Hither Green to Maidstone West (via Dartford)	HDR	Kent / Sussex	12/05/2018

Location	Mileage M	Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham
ALBANY PARK	12	68		
Albany Park Substation	13	17		
BEXLEY	13	69		
	14	25 *		
Crayford Substation	14	79		
CRAYFORD	15	25		

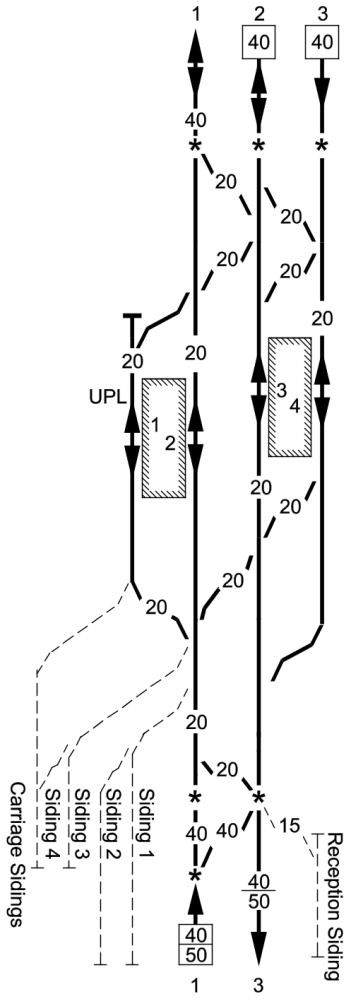
1 Up Dartford Loop
2 Down Dartford Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	004	Hither Green to Maidstone West (via Dartford)	HDR CRA	Kent / Sussex	30/10/2021

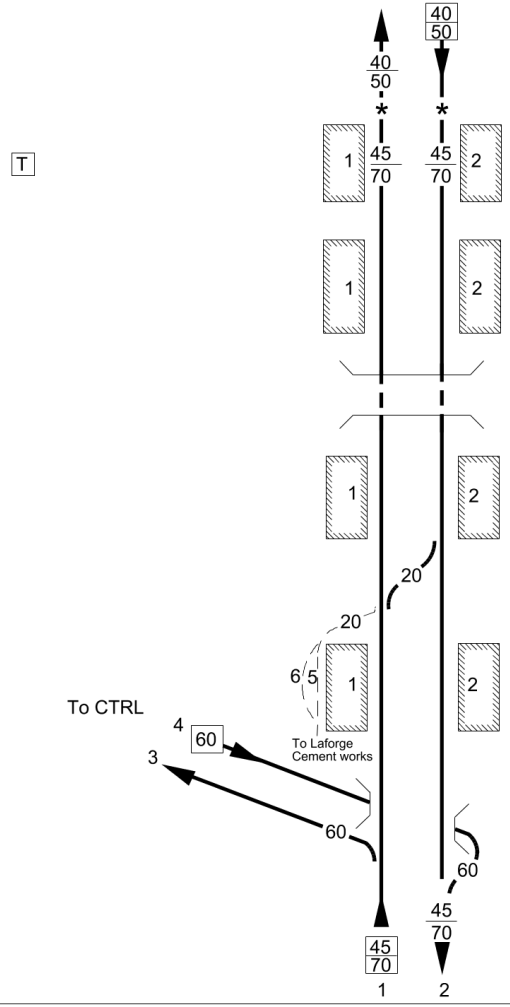
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Crayford Spur "B" Jcn	16 11		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham
(Crayford Spur "A" Jn)	(16 41) (16 42)	To/From Crayford Creek Jn See SO290 seq 010	
	16 42 *		
Dartford Substation	16 45 * 16 66 * (via NK)		
Dartford Jn	16 75 * (17 05)		

1 Up Main
2 Reversible
3 Down Main
4 Up Dartford Loop
5 Down Dartford Loop
6 Up Crayford Spur
7 Down Crayford Spur
8 Down North Kent
9 Up North Kent

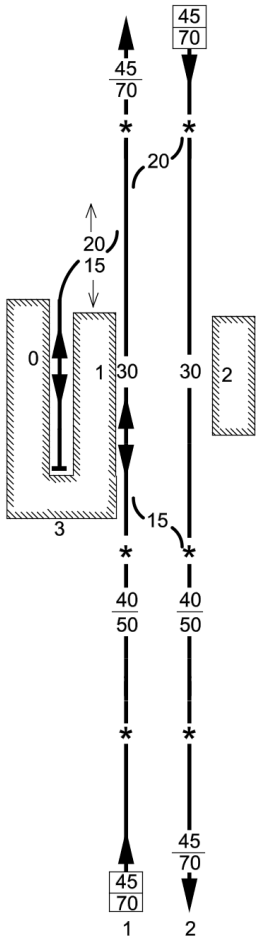
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	005	Hither Green to Maidstone West (via Dartford)	HDR	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
DARTFORD	16 78 * 17 12 17 31 * 17 51 *		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham UPL 33 Platform 1-4 PP-A All platforms - permitted for platform sharing during times of significant service interuptions. 1 Up Main 2 Reversible 3 Down Main

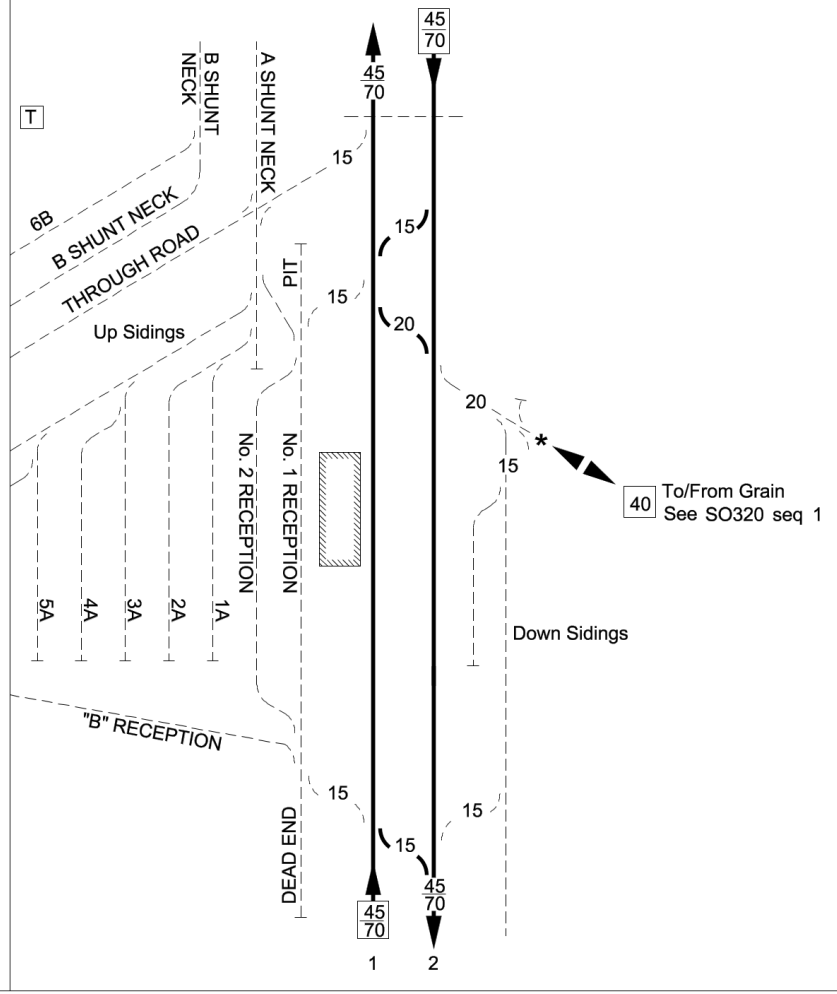
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	006	Hither Green to Maidstone West (via Dartford)	HDR	Kent / Sussex	04/07/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Littlebrook Substation	17 79		GSM-R TCB Ashford IECC (NK) RA8 DC:Lewisham
	18 32 *		
STONE CROSSING	19 07	T	
Stone Crossing Substation	19 15		
GREENHITHE	19 69		
Greenhithe Tunnel	20 03 to 20 15		
(253 yards)			
Swanscombe Substation	20 70		
SWANSCOMBE	21 14		
Northfleet Junction	21 48		
NORTHFLEET	21 69		
Northfleet Substation	22 25		
Springhead Road Jn Up	22 27		1 Up Main 2 Down Main 3 Up North Kent Line Connection 4 Down North Kent Line Connection 5 Arrival Road 6 Departure Road
Springhead Road Jn Down	22 42		

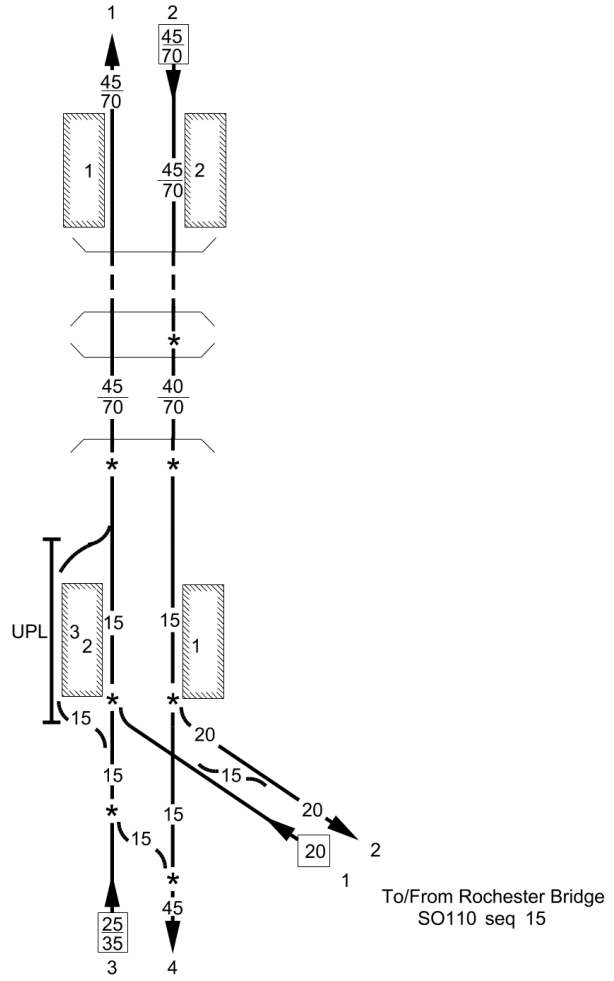
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	007	Hither Green to Maidstone West (via Dartford)	HDR	Kent / Sussex	12/05/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Ashford IECC (NK) DC:Lewisham
Gravesend Substation	23 51		
	23 53 *		
GRAVESEND	23 75		
	24 09 *		
	24 60 *		
Denton Substation	25 05		TCB Ashford IECC (NK) DC:Paddock Wood
Uralite TP Hut	26 49		1 Up Main 2 Down Main 3 Up Bay

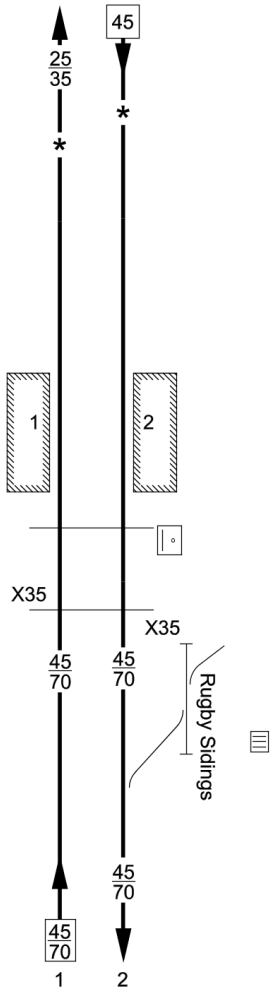
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	008	Hither Green to Maidstone West (via Dartford)	HDR HTG	Kent / Sussex	20/05/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Shornmead Crossing	27 01		GSM-R TCB Ashford IECC (NK) RA8 DC:Paddock Wood
Hoo Jn	27 19		
HOO JN STAFF HALT (UP)	27 26		Not permissive between Hoo Jn. and Signal NK509 on Grain branch.

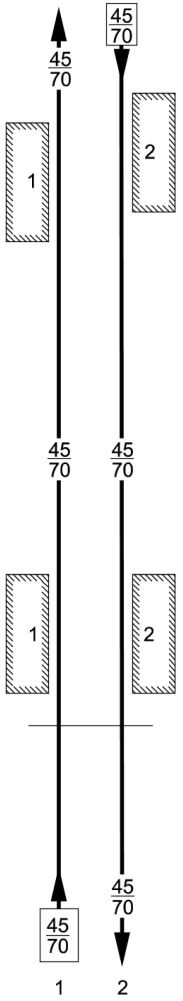
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	009	Hither Green to Maidstone West (via Dartford)	HDR PWS2	Kent / Sussex	09/05/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCBEast Kent Signalling Centre (NK) RA8 DC:Paddock Wood (CHATHAM 06)
Higham Substation	28 14		
HIGHAM	28 42		
Higham Tunnel (1531 yards)	28 55	T	
	to		
Tunnel Substation	29 46	T	
	29 48 *		
Strood Tunnel (1 Mile 569 yards)	29 48	T	Bridge 883 - Strood High Street - 31m 32ch Between Strood Junction and Cuxton. An OPPOS restriction apples to the following: locomotive hauled trains, light locomotives, tampers, regulators, stone-blowers and grinders
	to		
	30 74	T	
	30 75 *		
STROOD	31 11		UPL (Up Strood Loop) 42 Platform 1 PP-A (Detaching only) Platform 2 PP-C Platform 3 PP Platform 1 - permitted for platform sharing during times of significant service interuptions
	31 16 *		
(Strood Substation)	(31 23)		Axle Counter Area (to SO110) 31m 28ch
	31 19 *		1 Up North Kent 2 Down North Kent 3 Up Maidstone Branch 4 Down Maidstone Branch
(Rochester Bridge Jn)	(31 34)		To/From Rochester Bridge SO110 seq 15

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	010	Hither Green to Maidstone West (via Dartford)	PWS2	Kent / Sussex	19/03/2016

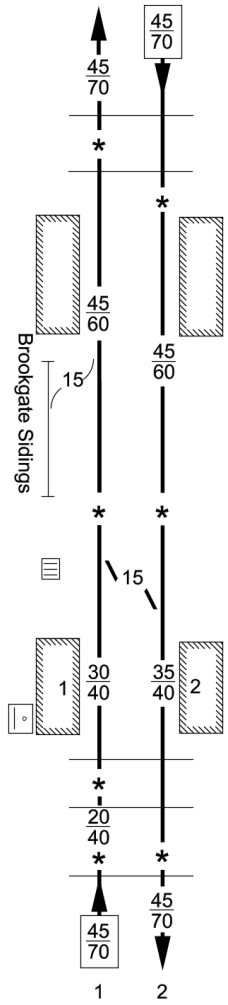
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	31 30 *		GSM-R TCB Cuxton SB (CX) RA8 DC:Paddock Wood
	31 36 *		
Wickham TP Hut	33 02		
			AB
CUXTON	33 36		
Cuxton LC	33 39		
Cuxton SB (CX)	33 40		
North Halling Crossing (R/G)	34 33	T	
Halling Substation	34 63	T	
Halling Ground Frame	34 79	Ⓢ	
			1 Up Main 2 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	011	Hither Green to Maidstone West (via Dartford)	PWS2	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Cuxton SB (CX) RA8 DC:Paddock Wood GSM-R
HALLING	35 18	T	TCB Aylesford SB (AF) RA8 DC:Paddock Wood GSM-R
Snodland TP Hut	36 46	T	
SNODLAND	36 59	T	
Snodland LC (CCTV)	36 64		

1 Up Main
2 Down Main

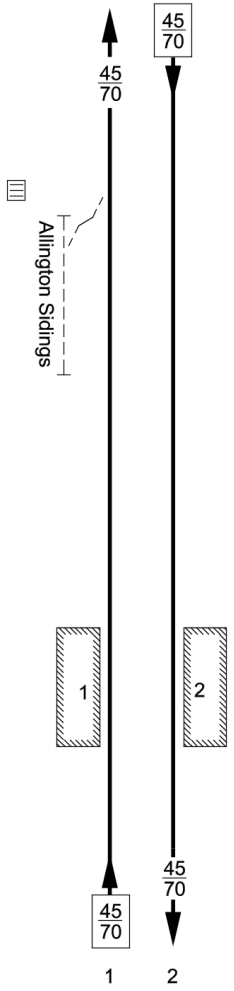
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	012	Hither Green to Maidstone West (via Dartford)	PWS2	Kent / Sussex	19/03/2016

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Aylesford SB (AF) RA8 DC:Paddock Wood
Abbey Meads Crossing	37 50	T		
	37 55	*		
Willow Walk FPW	37 61			
	37 71	*		
NEW HYTHE	38 03			
New Hythe Substation	38 27	T		
	38 53	*		
Aylesford Ground Frame	38 69			
AYLESFORD	38 74			
Aylesford SB (AF)	38 75			
Aylesford LC	38 78			
	38 79	*		
Aylesford Village LC (CCTV)	39 36			
	39 48	*		
Little Preston Crossing	39 66	T		

1 Up Main
2 Down Main

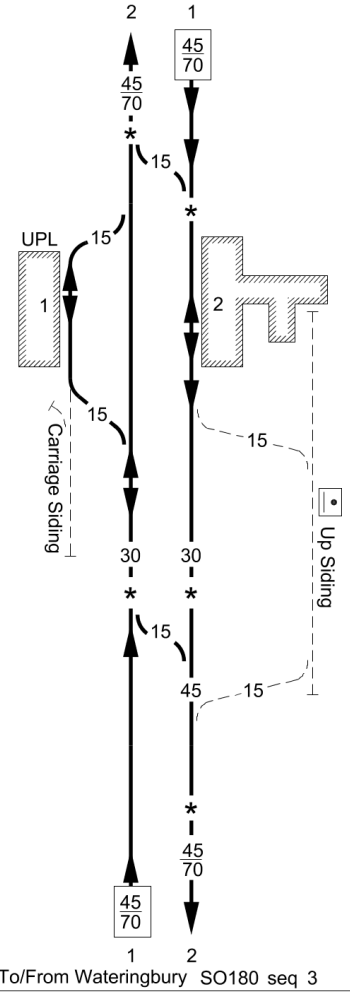
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	013	Hither Green to Maidstone West (via Dartford)	PWS2	Kent / Sussex	19/03/2016

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				AB Maidstone West SB (MS) RA8 DC:Paddock Wood GSM-R
Aylesford TP Hut	40	08		
Allington Ground Frame	40	43	T S	
Allington Sidings				
Maidstone Substation	41	69	T	
MAIDSTONE BARRACKS	42	00		



1 Up Main
2 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	014	Hither Green to Maidstone West (via Dartford)	PWS1 PWS2	Kent / Sussex	10/07/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R AB Maidstone West SB (MS) RA8 DC:Paddock Wood
	42 19 *		Note: Direction is Up from Maidstone West (MS) signal box to East Farleigh.
	42 29 *		
MAIDSTONE WEST	42 36		UPL 22
Change of Mileage	42 41		
	44 56		
Maidstone West SB (MS)	44 54		
	44 45 *		
	44 30 *		
(EAST FARLEIGH)	(42 75)		1 Down Main 2 Up Main

To/From Wateringbury SO180 seq 3

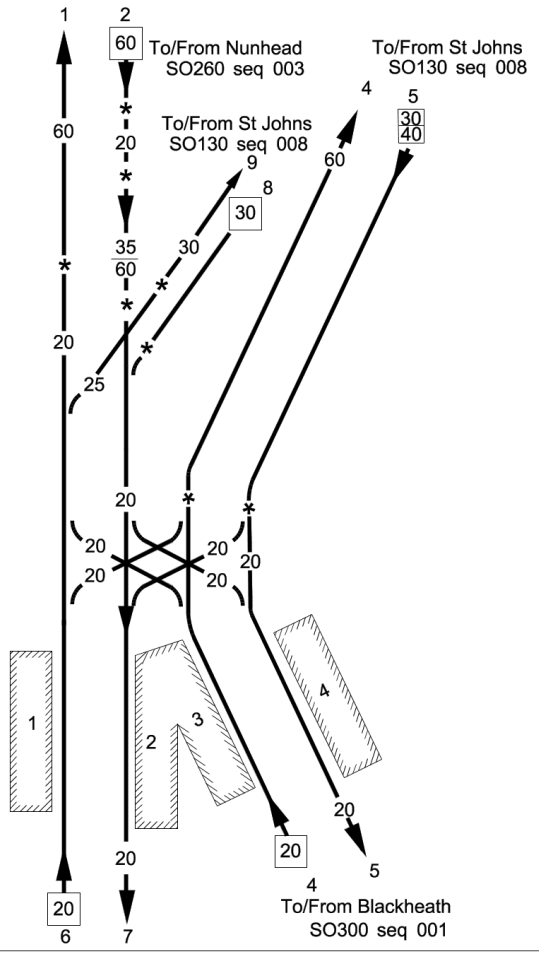
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO320	001	Hoo Jn to Grain (Goods Line)	HTG	Kent / Sussex	09/12/2023

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
				MAXIMUM PERMISSIBLE SPEED - 40 MPH	GSM-R
				To/From Gravesend SO310 seq 8	RA8
Hoo Jn	27	19			
Cliffe Ground Frame	28	56	Ⓢ		
Signal NK509	28	59			Not permissive between Hoo Jn. and signal NK509
					A.W.S provided at NK prefix signals only.
Wybourne LC (AOCL)	32	06			
	35	63	*		
Stoke Creek LC	35	64	*		
	35	64		10mph in Up Direction over Stoke Creek (linespeed Down direction)	
Recreation LC	36	20			
Middle Stoke LC	36	26			
	36	45	*		
	36	77	*		
CHALKWALL FP					
Up 30 MPH Board	37	39	*		
Flood Gates	38	00			
Grain LC	38	22			
	38	35	*		

1 BP Sidings
2 Thamesport Freightliner Terminal
3 Foster Yeoman Terminal

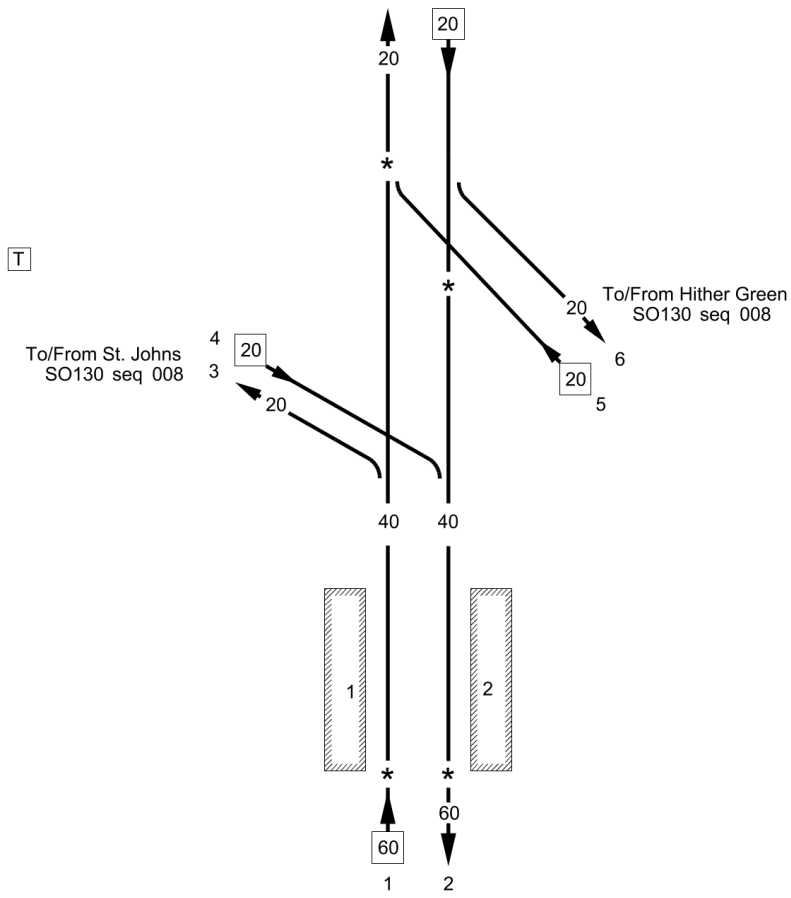
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO330	001	Nunhead to Hayes	NTL LVT BEX	Kent / Sussex	03/01/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Nunhead Jn)	(6 09)	MAXIMUM PERMISSIBLE SPEED - 60 MPH	GSM-R
	6 31 *		TCB Victoria SB (VS)
	6 37 *		RA8 DC: Lewisham:
(Tanners Hill Jn)	(5 29)		
	7 14 *		
	(5 55) *		
	7 22 *		Three Bridges ROC
	(5 36)		Lewisham Workstation (TL)
	(5 55) *		
Lewisham Vale Jn	7 37		
	(5 57)		
(St Johns)	7 49		
	(5 47)		
Lewisham Substation	(5 70)	T	
	5 71 *		
Lewisham Jn	5 75		
	(5 79)	T	
LEWISHAM	7 61		
(Change of Mileage)	6 04		



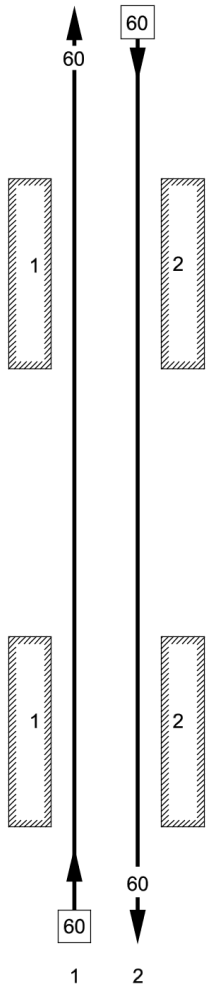
1 Up Lewisham
2 Down Lewisham
4 Up North Kent
5 Down North Kent
6 Up Mid Kent
7 Down Mid Kent
8 Down Tanners Hill
9 Up Tanners Hill

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO330	002	Nunhead to Hayes	LCH NCS LLL	Kent / Sussex	01/01/2022

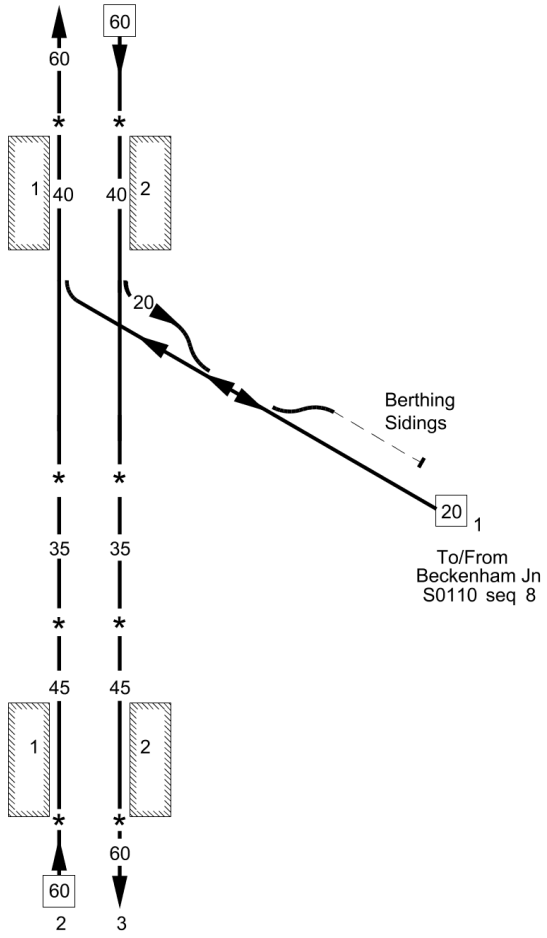
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC RA8 Grove Park A Workstation (TL) DC:Lewisham
Courthill Loop North Jn	6 21 * 6 25 *		
(Courthill Loop South Jn)	(6 43)		
(Parks Bridge Jn)	(6 14)		
Ladyell Jn	6 41 (6 29)		
LADYWELL	6 62		
	6 67 *		
Ladywell TP Hut	6 70		

1 Up Mid Kent
2 Down Mid Kent
3 Up Ladywell Loop
4 Down Ladywell Loop
5 Up Courthill Loop
6 Down Courthill Loop

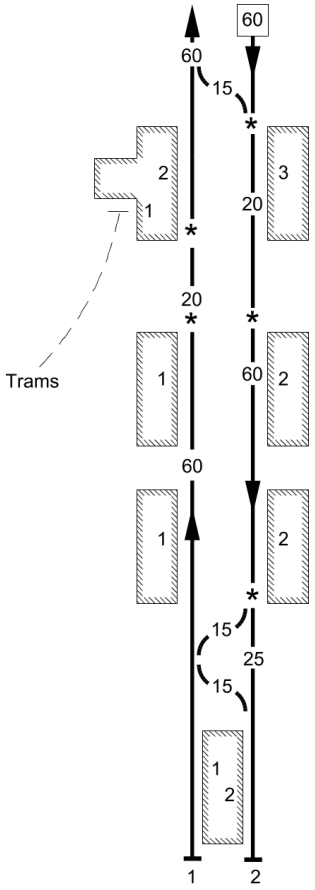
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO330	003	Nunhead to Hayes	LCH	Kent / Sussex	05/05/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CATFORD BRIDGE	7 42		GSM-R TCB Three Bridges ROC RA8 Grove Park A Workstation (TL) DC:Lewisham
Catford Substation	7 64		
LOWER SYDENHAM	9 02		1 Up Mid Kent 2 Down Mid Kent

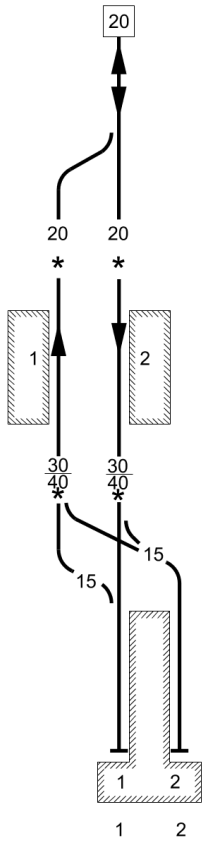
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO330	004	Nunhead to Hayes	LCH NBB	Kent / Sussex	06/06/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC RA8 Grove Park A Workstation (TL) DC:Lewisham
	9 35 *		
NEW BECKENHAM	9 44		RA4 Up Mid Kent and Down Mid Kent
Beckenham Spur Jn	9 51		
	9 67 *		
New Beckenham Substation	9 68		
	10 00 *		
CLOCK HOUSE	10 23		
	10 25 *		
			1 Beckenham Spur 2 Up Mid Kent 3 Down Mid Kent

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO330	005	Nunhead to Hayes	LCH	Kent / Sussex	06/11/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC RA4 Grove Park A Workstation (TL) DC:Lewisham A.W.S. not provided for emergency and temporary speed restrictions between Elmers End and Hayes.
	11 01 *		
ELMERS END	11 07		
	11 12 *		
	11 40 *		
EDEN PARK	12 34		
West Wickham Substation	13 07		
WEST WICKHAM	13 19		
	14 05 *		
HAYES	14 32		Platform 1 PP Platform 2 PP 1 Up Mid Kent 2 Down Mid Kent

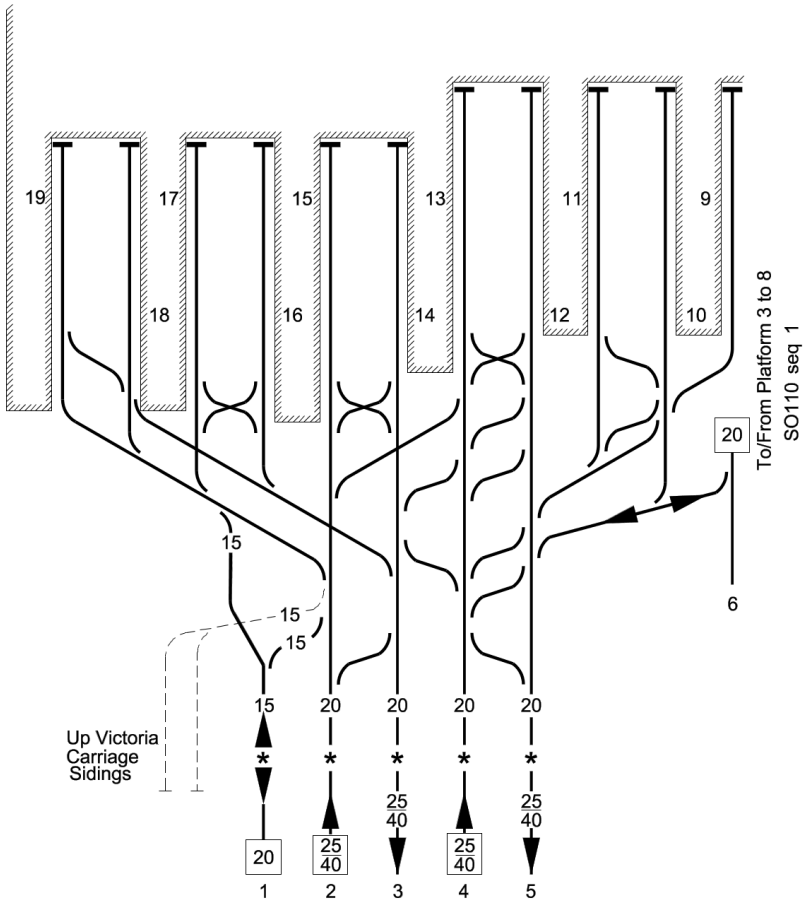
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO350	001	Grove Park to Bromley North	BNG	Kent / Sussex	27/02/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 40 MPH	TCB Three Bridges ROC Grove Park B workstation (TL) RA8 DC: Lewisham GSM-R
(GROVE PARK)	(8 78)	To/From Grove Park SO130 seq 11	
	9 18 *		Axle Counter Area
SUNDRIDGE PARK	10 12		
	10 30 *		
BROMLEY NORTH	10 47		Platform 1 PP Platform 2 PP 1 Up Bromley Branch 2 Down Bromley Branch

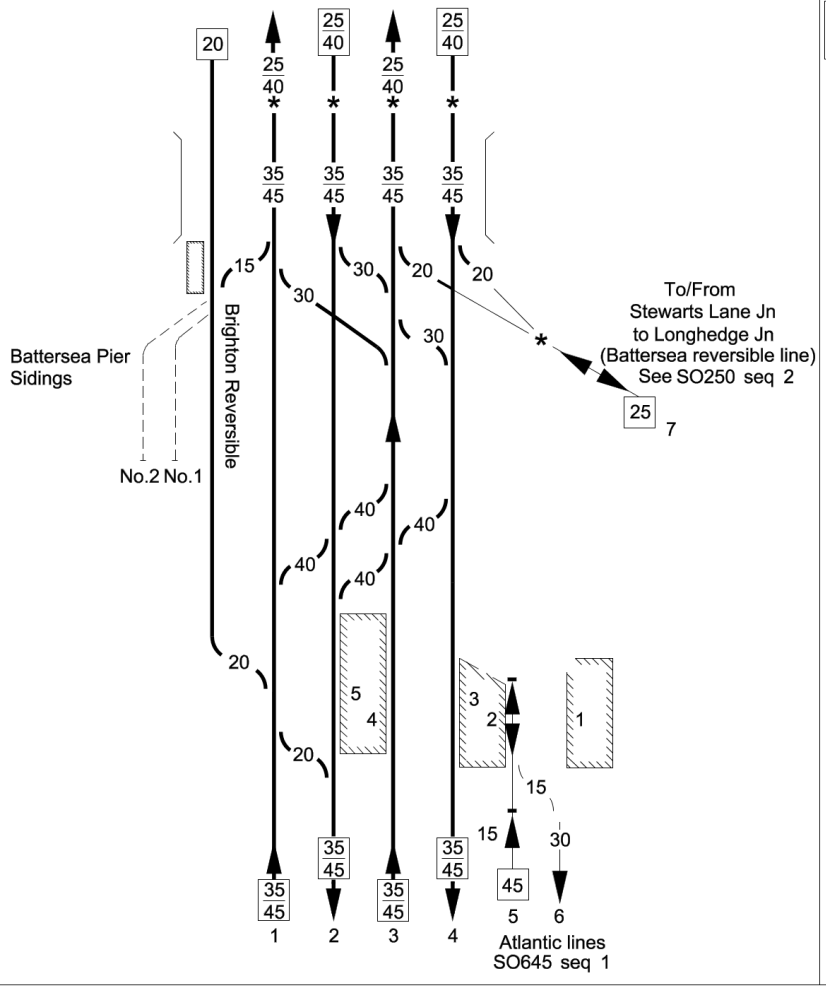
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	001	Victoria to Brighton	VTB1 VTB2 VTB3	Kent / Sussex	02/12/06

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED VICTORIA TO SELHURST ..... 60 MPH ON SLOW LINES VICTORIA TO WANDSWORTH COMMON (4m.20ch) ..... 60 MPH ON DOWN FAST LINE WANDSWORTH COMMON (4m.20ch) TO SELHURST ..... 70 MPH ON DOWN FAST LINE BALHAM (5m.5ch) TO VICTORIA ..... 60 MPH ON UP FAST LINE SELHURST TO BALHAM (5m.5ch) ..... 70 MPH ON UP FAST LINE SELHURST TO SOUTH CROYDON ..... 60 MPH SOUTH CROYDON TO PURLEY ..... 90 MPH ON FAST LINES 60 MPH ON SLOW LINES PURLEY TO GATWICK AIRPORT (26m.58ch) ..... 90 MPH GATWICK AIRPORT (26m.58ch) TO THREE BRIDGES (28m.73ch) ..100 MPH ON FAST LINES ① 90 MPH ON SLOW LINES THREE BRIDGES STATION AREA 28m.73ch TO 29m.35ch ..... 90 MPH THREE BRIDGES (29m.35ch) TO BALCOMBE TUNNEL JUNCTION (31m.15ch) ..... 100 MPH ON FAST LINES ① 90 MPH ON SLOW LINES BALCOMBE TUNNEL JUNCTION (31m.15ch) TO BRIGHTON ..... 90 MPH BATTERSEA PARK TO FACTORY JUNCTION ..... 45 MPH ① TRAINS OTHER THAN THOSE COMPOSED ENTIRELY OF CLASS 319 UNITS MUST NOT EXCEED 90 MPH	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	002	Victoria to Brighton	VTB1	Kent / Sussex	03/01/2023

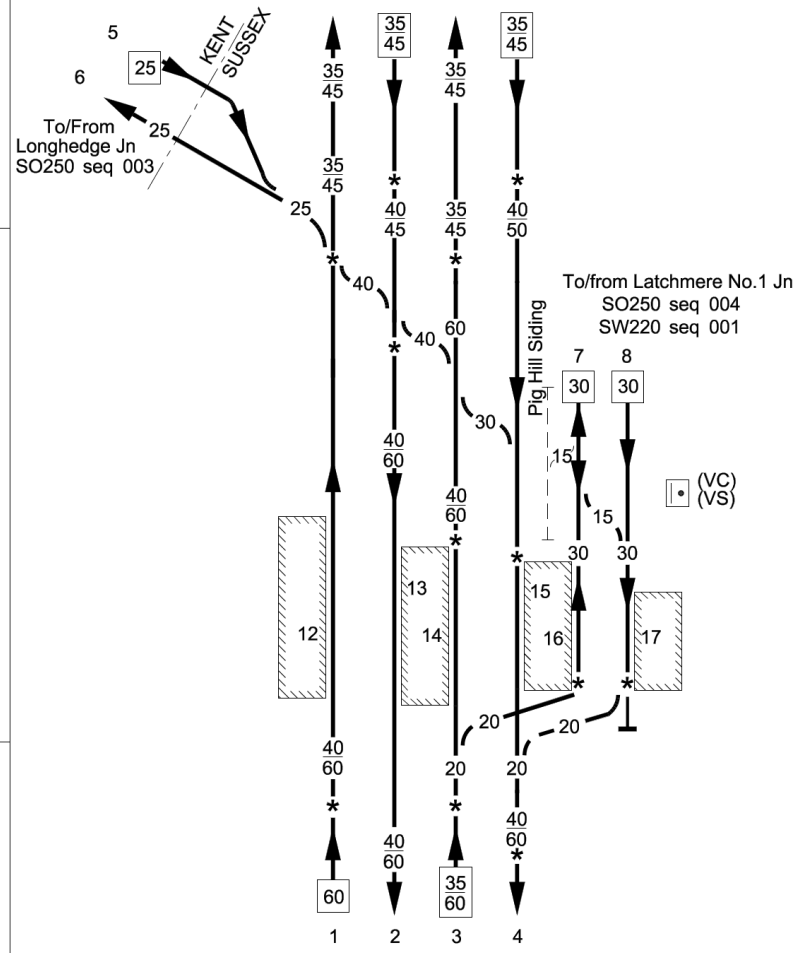
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
VICTORIA	0 00		TCB Three Bridges ROC Victoria Central W/S (TVC) RA8 DC: Lewisham GSM-R Platforms 9-19 PP All lines and connections between 00m 40ch and platform ends in both directions up and down maximum speed 20 mph. Excluding Brighton Reversible which is 15 m.p.h. A.W.S not provided for emergency and temporary speed restrictions. 1 Brighton Reversible 2 Up Brighton Fast 3 Down Brighton Fast 4 Up Brighton Slow 5 Down Brighton Slow 6 Up Chatham Slow
	0 40 *		
Victoria Substation	0 56		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	003	Victoria to Brighton	VTB1	Kent / Sussex	03/01/2023

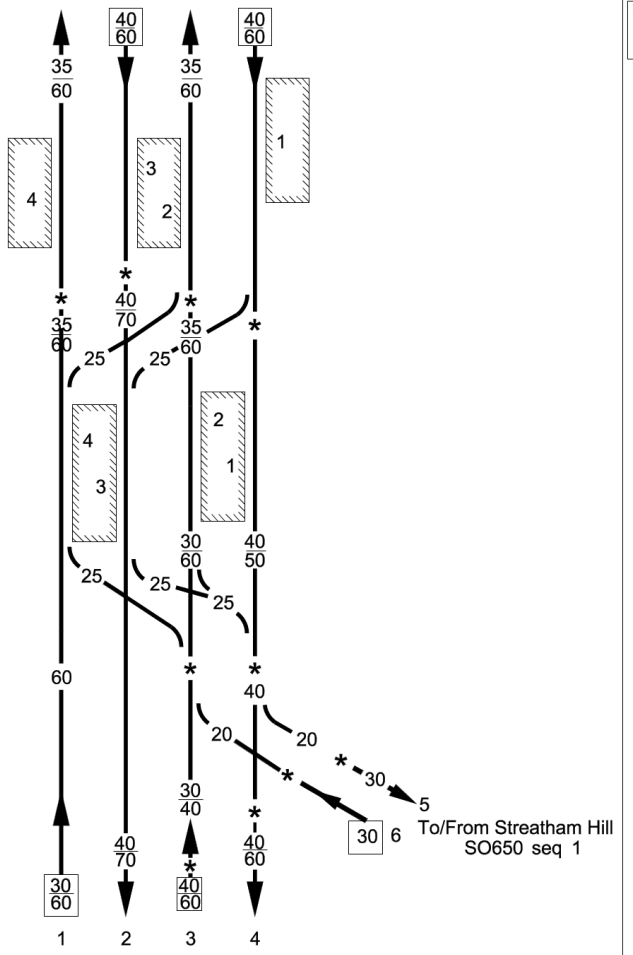
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	0 57 *		TCB Three Bridges ROC Victoria Central W/S (TVC) RA8 DC: Lewisham GSM-R
Grosvenor Bridge	0 58		
	to		
	0 70		
Battersea Pier Jn	0 71		
Battersea Pier Sidings staff halt			
	(0 75) *		
Battersea Park Jn	1 13		
	(7 35)		
	(7 31) *		A.W.S. not provided for emergency and temporary speed restrictions.
BATTERSEA PARK	1 23		
	(7 27)		
(Factory Jn)	(6 58)		
Queen's Road Substation "B"	1 49		

1 Up Brighton Fast
2 Down Brighton Fast
3 Up Brighton Slow
4 Down Brighton Slow
5 Up Atlantic
6 Down Atlantic
7 Battersea Reversible

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	004	Victoria to Brighton	WLL VTB1 BSP2	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Longhedge Jn)	(1 63)		TCB Three Bridges ROC Clapham W/S (TVC) RA8 DC: Lewisham GSM-R Axle Counter Area 1m 79ch
Route Boundary	1 67		
	1 79 *		
Pouparts Jn	2 04		
	2 20		
	2 14 *		* West London lines controlled from Lewisham electrical control room.
	2 26 *		
(Latchmere No.1 Jn)	(0 63)		DC: Brighton
Clapham Jn Substation	2 47		
Victoria SB (VC & VS)	0 21		
	2 53 *		
	2 55 *		
CLAPHAM JUNCTION	2 57		
	0 10 *		A.W.S. not provided for emergency and temporary speed restrictions.
Falcon Jn	2 66		
	0 00		
	2 73 *		1 Up Brighton fast 2 Down Brighton fast 3 Up Brighton slow 4 Down Brighton slow 5 Down Battersea 6 Up Battersea 7 Down West London 8 Up West London
	2 75 *		

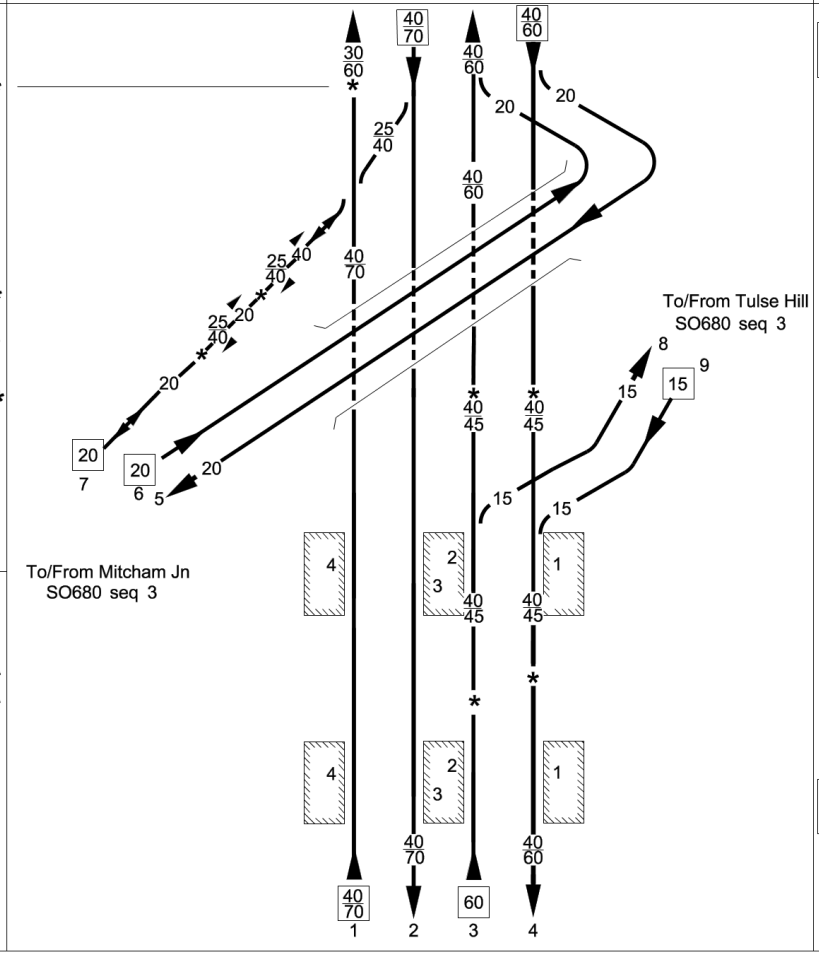
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	005	Victoria to Brighton	VTB1	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Wandsworth Common Substation	3 78		TCB Three Bridges ROC Balham W/S (TVC) RA8 DC: Brighton GSM-R Axle Counter section
WANDSWORTH COMMON	4 05		
	4 25 *		
	4 27 *		
	4 51 *		
BALHAM	4 52		
	4 73 *		
Balham Jn	4 69		
	(4 74) *		
	4 70 *		
Balham Substation	4 76		
	5 02 *		

1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow
5 Down Crystal Palace
6 Up Crystal Palace

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	006	Victoria to Brighton	VTB1 SLJ SNS SSC	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	5 11 *		TCB Three Bridges ROC Streatham W/S (TVC) RA8 DC: Brighton
			Axle Counter area GSM-R
Streatham North Jn	6 14		
	(6 27) *		
	(6 28) *		
Streatham Substation	6 35		
	6 42 *		
(Streatham)	(7 48)		
Streatham South Jn	(6 48)		
STREATHAM COMMON	6 48		
	8 15		
	6 60 *		
	6 61 *		
NORBURY	7 36		
Thornton Heath TP Hut	8 09		



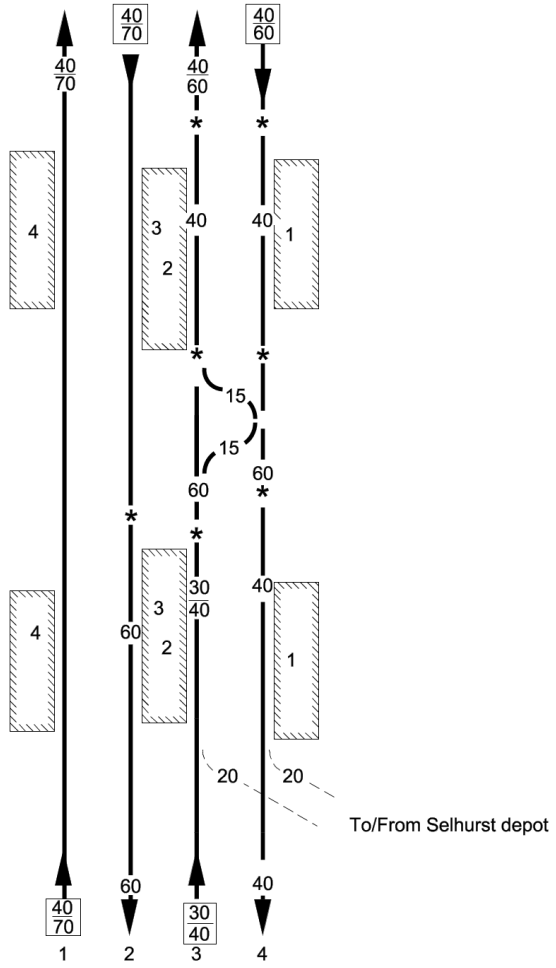
1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow
5 Down Slow Spur
6 Up Slow Spur
7 Fast Spur
8 Up Streatham Spur
9 Down Streatham Spur

Axle Counter area 8m 03ch

Three Bridges SB (T)

Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule between Thornton Heath and Purley Oaks but are subject to a max of 40mph between these locations.

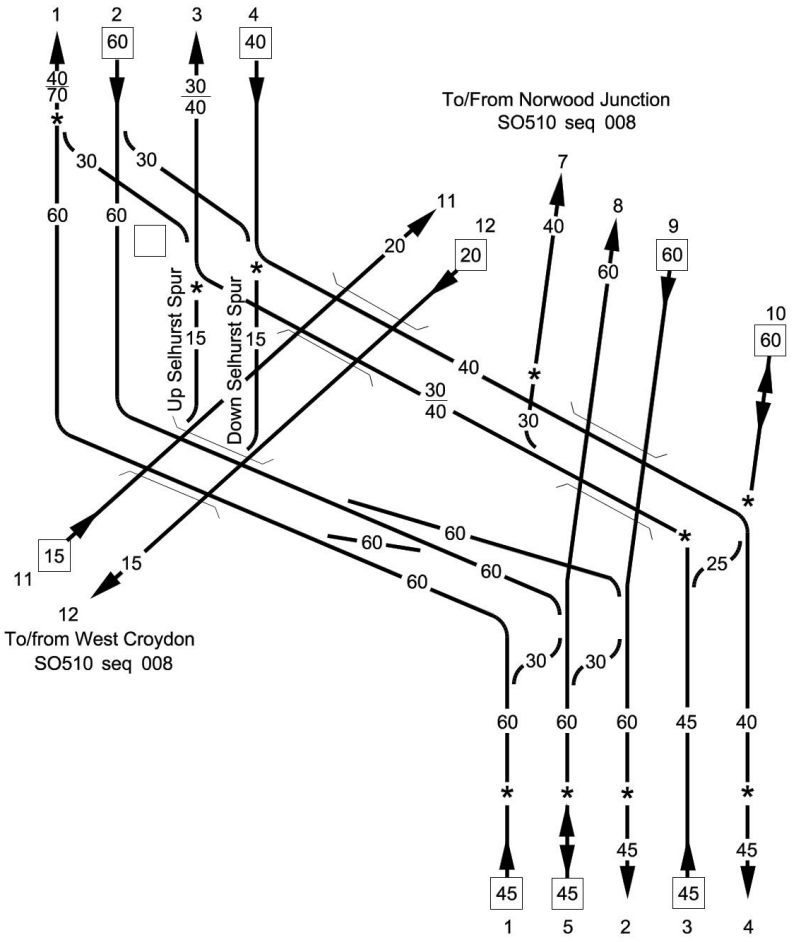
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	007	Victoria to Brighton	VTB1	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Belle Vue Substation	8 46 *		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
THORNTON HEATH	8 64		
	8 67 *		
	9 22 *		
	9 24 *		
	9 26 *		
SELHURST	9 31		

1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow

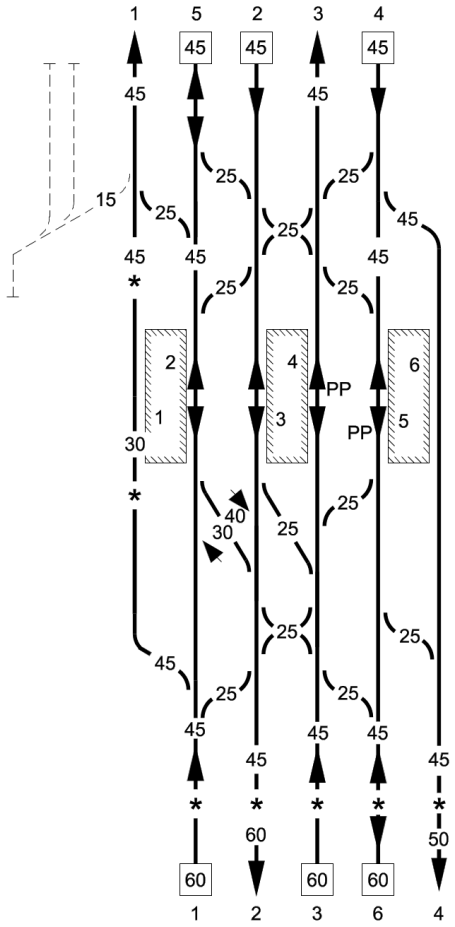
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	008	Victoria to Brighton	VTB1	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Selhurst Jn	9 43 *		GSM-R
Selhurst Substation "A"	9 48		TCB Three Bridges SB (T) RA8 DC: Brighton
Cottage Jn	(9 48) * 9 64		
	(9 52)		
(Gloucester Road Jn)	(9 65)		
Windmill Bridge Jn	10 02 *		
	(9 59)		
	10 07 *		

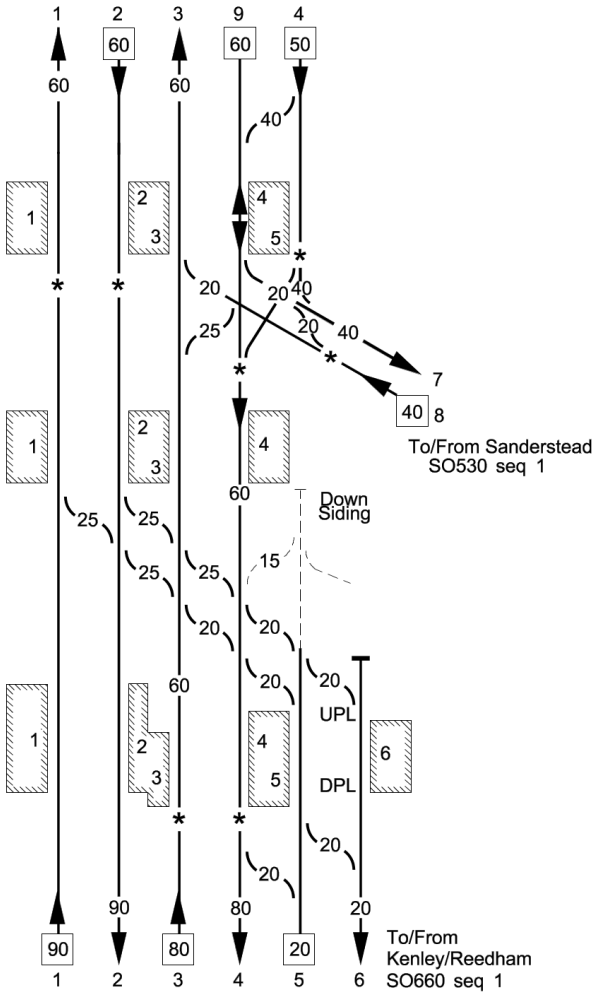


1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow
5 Fast Reversible
7 Up London Bridge Slow
8 Up London Bridge Fast
9 Down London Bridge Fast
10 Down London Bridge Slow
11 Up Wallington
12 Down Wallington

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	009	Victoria to Brighton	VTB2	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	10 28 *		
EAST CROYDON	10 28		Permissive working authorised on up slow and slow reversible platform lines both directions. Platforms 2, 3, 4 and 5 platform lines are reversible.
	10 38 *		
East Croydon Substation	10 43		
	10 55 *		1 Up Fast 2 Down Fast 3 Up Slow 4 Down Slow 5 Fast Reversible 6 Slow Reversible

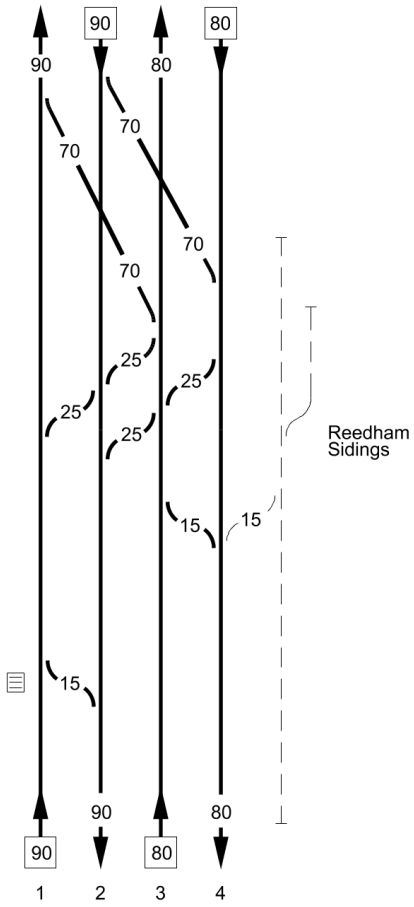
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	010	Victoria to Brighton	VTB2 PAT	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SOUTH CROYDON	11 21		GSM-R
	11 25 *		TCB Three Bridges SB (T)
	11 28 *		RA8 DC: Brighton
South Croydon Jn	(11 29)		
	11 35 *		
	11 37 *		
South Croydon Substation	11 40		
PURLEY OAKS	12 34		
Purley Oaks TP Hut	12 39		
PURLEY	13 29		
	15 13		
	13 32 *		
Purley Substation	13 44		

Platform 4 PP-A (attaching only)
Platform 5 PP-A
Up direction attaching only
Both directions detaching
Platform 6 PP-A (detaching only)

1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow
5 Up Caterham
6 Down Caterham
7 Down East Grinstead
8 Up East Grinstead
9 Slow Reversible

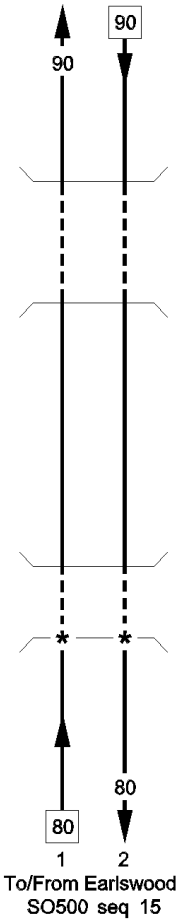
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	011	Victoria to Brighton	VTB2 RED1	Kent / Sussex	11/01/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Stoats Nest Jn	14 20		GSM-R TCB Three Bridges SB (T) RA8 DC; Brighton
Coulsdon North Ground Frame	14 72		
Coulsdon North Substation	15 00		
Redhill Lines	15 02		
	16 66		
Quarry Lines	15 09		
Star Lane Substation	16 45		
	18 28		

1 Up Quarry
2 Down Quarry
3 Up Redhill
4 Down Redhill

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	012	Victoria to Brighton (Stoats Nest Jn to Earlswood (via the Quarry Line))	VTB2	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	17 19	T	
	17 24	T	
Quarry Tunnel (1 mile 353 yards)			
	to		
		T	
	18 40	T	
	18 45		
Merstham Substation	19 10		
	20 00	T	
		T	
Redhill Tunnel (649 yards)	20 62		
	to		
	21 12 *		NOTE:- Warning indicator placed at London end of tunnel.
Redhill Substation	21 24		

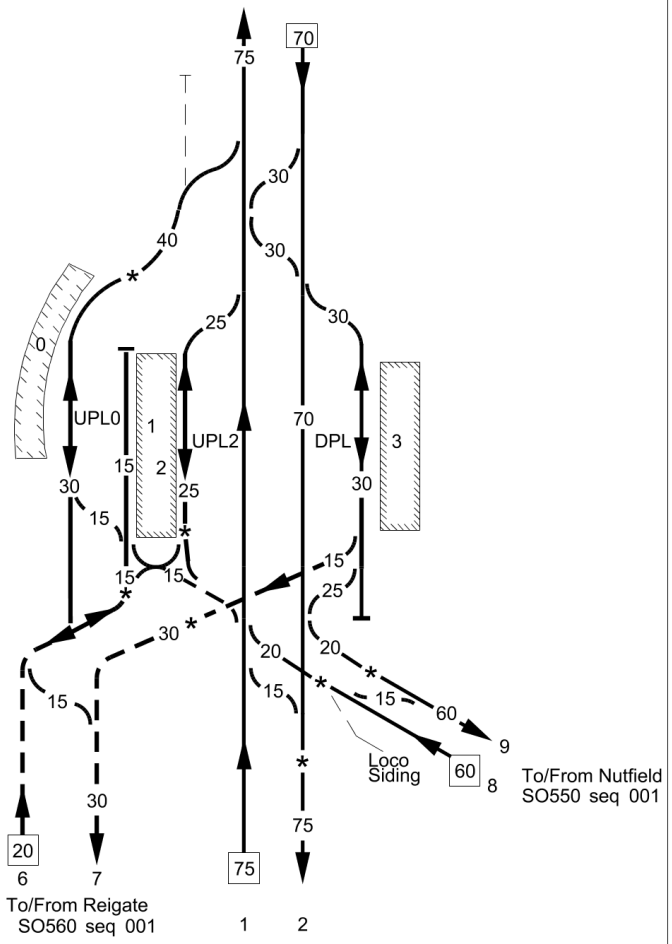


1 Up Quarry
2 Down Quarry

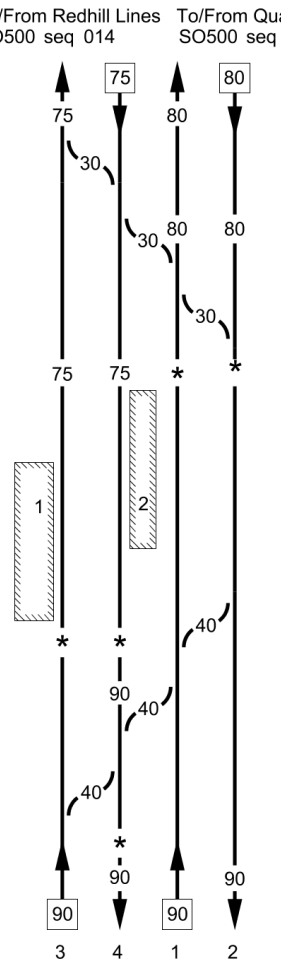
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	013	Victoria to Brighton (Stoats Nest Jn to Earlswood via Redhill)	RED2	Kent / Sussex	02/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		To/From Stoats Nest Jn SO500 seq 11	GSM-R
			TCB Three Bridges SB (T) RA8 DC: Brighton
	16 76 *	80 80	
COULSDON SOUTH	17 03	1 75 2 75	
	18 20 *		
	19 05	90 90	
Merstham Tunnel (1 mile 71 yards)	19 09 to 20 12		
Shepherds Hill Substation	20 13	T	
	20 40 *		
MERSTHAM Merstham Substation	20 59 20 63	1 2	
	21 40 *	80	
Holmethorpe Substation	21 79 * 22 00 *	80 40	
		70	
		75	1 Up Redhill 2 Down Redhill
		1 2	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	014	Victoria to Brighton (Stoats Nest Jn to Earlswood via Redhill)	RED2	Kent / Sussex	25/11/2019

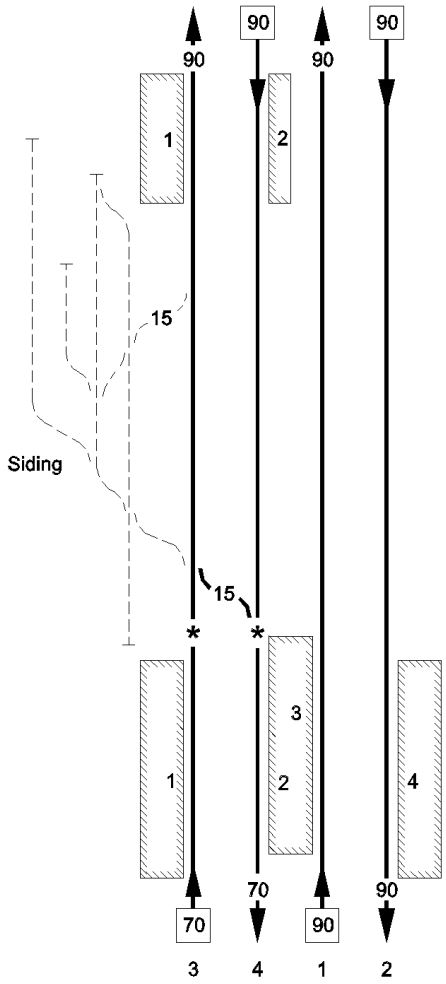
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Redhill North Jn	22 26		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	22 28 *		
REDHILL	22 40	T	Platform 0 PP Platform 1 PP Platform 2 PP Platform 3 PP-A (detaching only)
	22 46 *		
	22 51 *		
Redhill South Jn	(22 51) *		
	(22 53) *		
Reigate Feeder Hut	22 54		
	22 59 *		
Redhill Substation "A"	23 00		1 Up Redhill 2 Down Redhill 6 Up Reading 7 Down Reading 8 Up Tonbridge 9 Down Tonbridge

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	015	Victoria to Brighton	VTB3	Kent / Sussex	16/05/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Quarryl/fast lines	21 21		GSM-R
(Change of mileage)	21 15		TCB Three Bridges SB (T) RA8 DC: Brighton
Redhill/slow lines	23 00		
(Change of mileage)	21 15		
	21 44		
	21 45 *		
EARLSWOOD	21 50		
	21 60 *		
	22 00 *		
Whitebushes Substation	22 25		

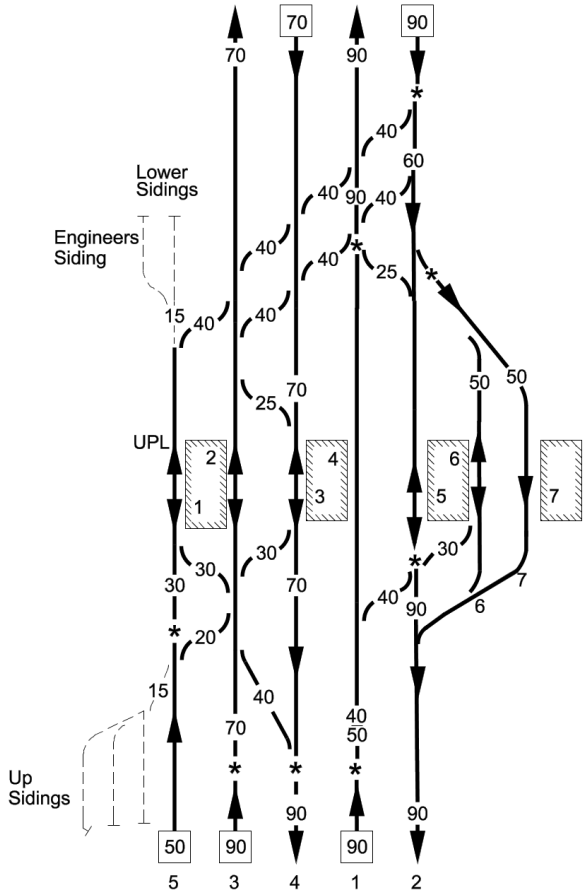
1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	016	Victoria to Brighton	VTB3	Kent / Sussex	02/05/2015

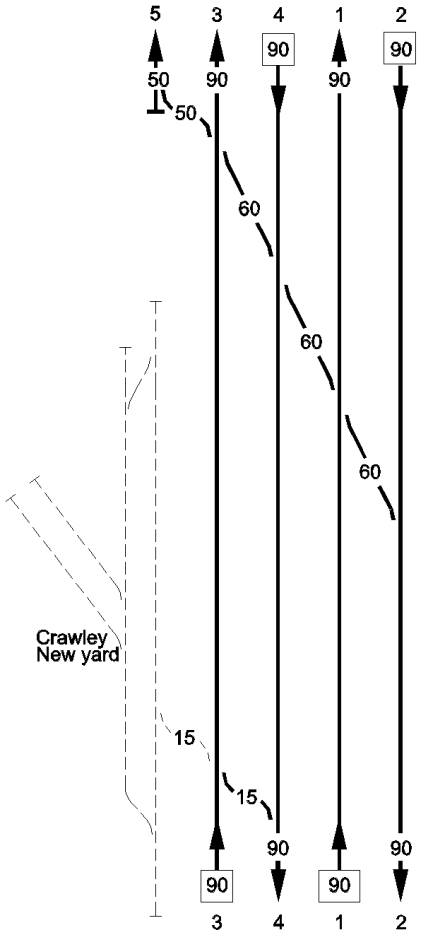
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	22 79		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
SALFORDS	23 37		
Salfords Substation	23 44		
Great Lake Farm Substation	24 66		
	25 00		
	25 40 *		
HORLEY	25 60		Three Bridges SB (T) Panel 4 DC: Brighton

1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	017	Victoria to Brighton	VTB3	Kent / Sussex	27/12/2022

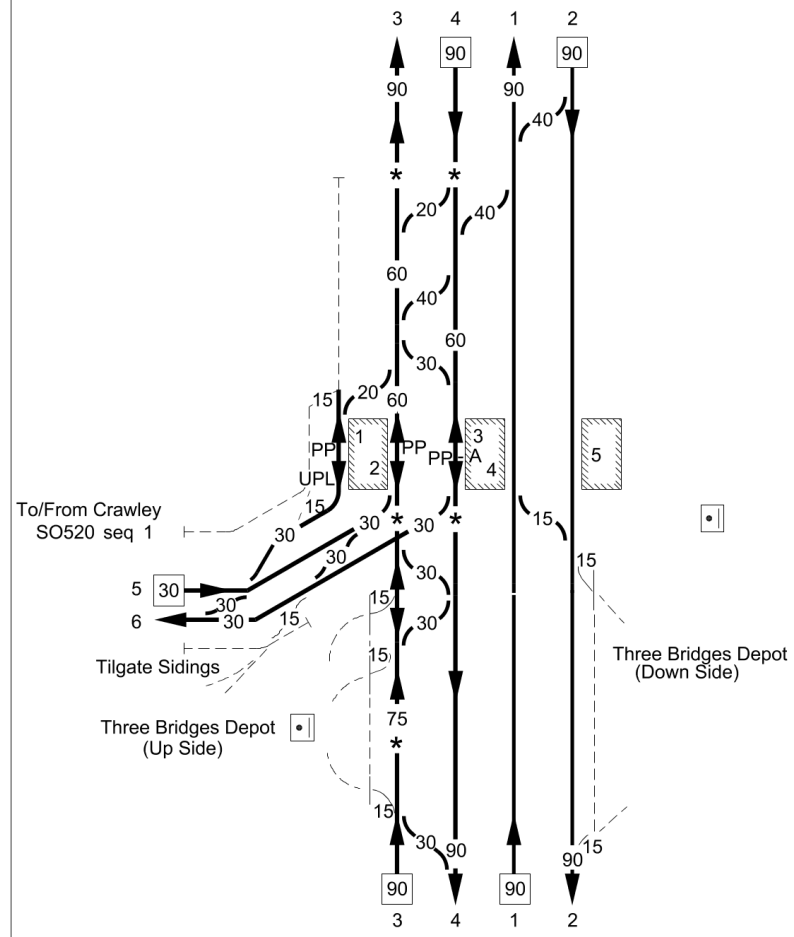
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	26 08 *		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	26 30 *		
	26 35 *		
GATWICK AIRPORT	26 47		Platform 2 PP Platform 3 PP
Gatwick Substation	26 58		
	26 62 *		
	26 66 *		
	26 77 *		
	26 76 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	018	Victoria to Brighton	VTB3	Kent / Sussex	02/05/2015

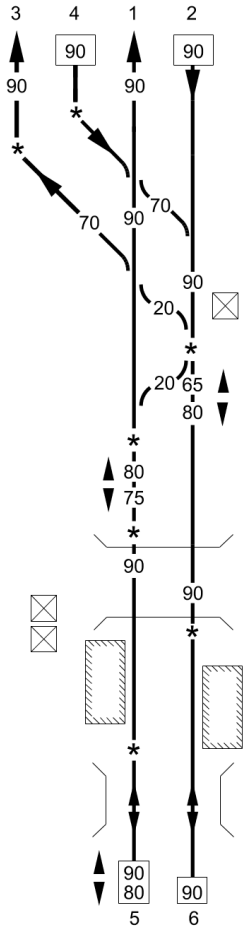
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Tinsley Green Jn	27 34		TCB Three Bridges SB (T) RA8 DC: Brighton GSM-R
Tinsley Green TP Hut	27 77		
Crawley New Yard	27 78		

1 Up Fast
2 Down Fast
3 Up Slow
4 Down Slow
5 Up Loop

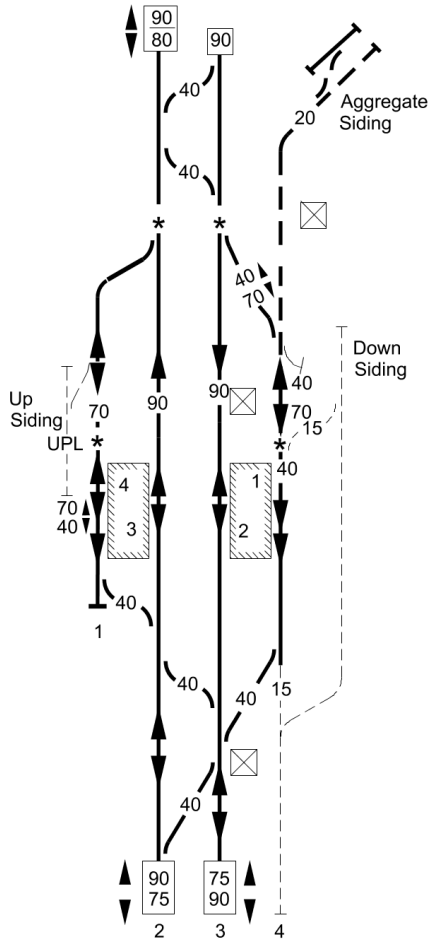
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	019	Victoria to Brighton	VTB3	Kent / Sussex	27/02/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	29 00 *		
			UPL 28 (Reversible)
THREE BRIDGES	29 21		PP - Platforms 1 & 2 PP-A Platform 3
Three Bridges Signal Box (T)	29 28 *		
Williams Way Substation	29 39		
	30 00 *		
			1 Up Fast 2 Down Fast 3 Up Slow 4 Down Slow 5 Up Horsham 6 Down Horsham

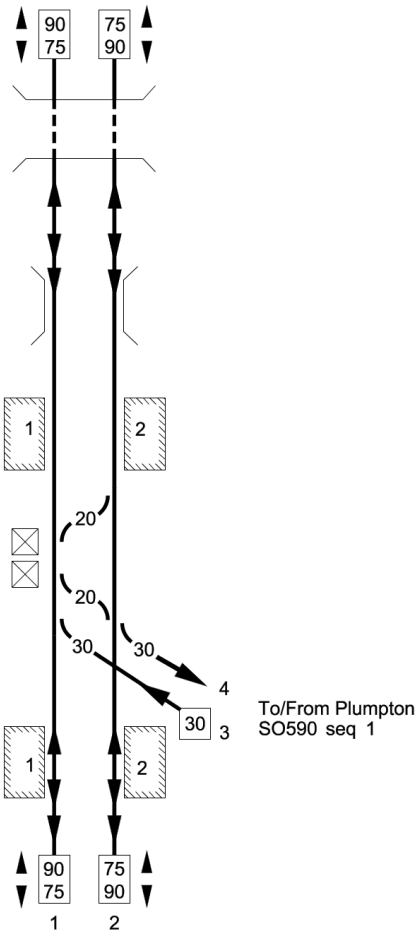
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	020	Victoria to Brighton	VTB3	Kent / Sussex	24/02/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
Balcombe Tunnel Jn	31 28		PLOD at 31m 35ch
	31 36 *		
	31 40 *		
Balcombe Tunnel Substation	31 55		
Balcombe Tunnel (1141 yards)	32 01 * to 32 54	T	
	32 69	T	
Redbridge TP Hut	33 28		PLODs at 33m 56ch
BALCOMBE	33 64		
Ouse Valley Substation	34 67	T	
Ouse Valley Viaduct (482 yards)	35 05 * to 35 37		
	35 59		1 Up Fast 2 Down Fast 3 Up Slow 4 Down Slow 5 Up Main 6 Down Main

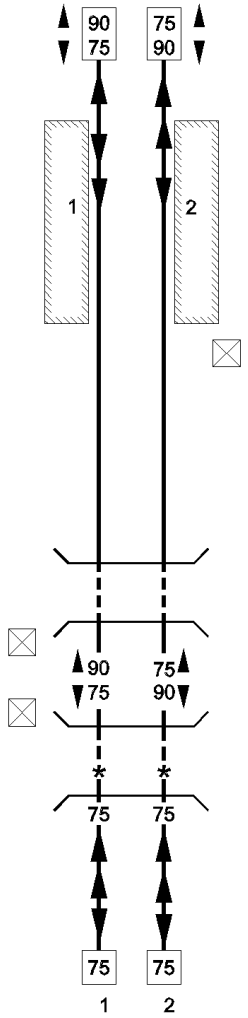
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	021	Victoria to Brighton	VTB3 CJA1 CJA2	Kent / Sussex	28/02/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ardingly Sidings	(0 70)		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
(Ardingly branch) (Change of mileage)	36 33.5 (0 00)		Copyhold Jn, to Ardingly (goods line) One train working without train staff applies. Direction is down from Copyhold Jn to Ardingly.
Copyhold Jn TP Hut	(36 42)		
Copyhold Jn	36 73 *		PLOD at 36m 66ch
	37 52 *		PLOD at 37m 47ch
HAYWARDS HEATH	37 59		Platform 1 PP-A Platform 2 PP-A (detaching only) Platform 3 PP-A Platform 4 PP-A (Up Direction) Platform 4 PP-A (Down Direction Detaching only)
Haywards Heath Substation	37 66		PLOD at 37m 75ch 1 Up Loop 2 Up Main 3 Down Main 4 Down Loop

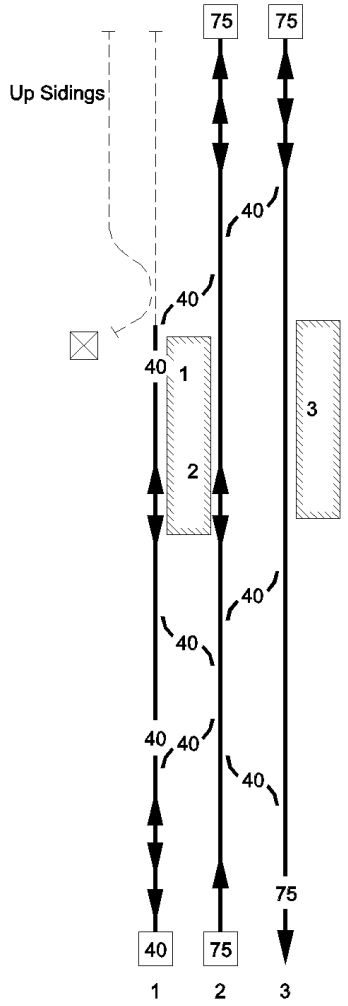
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	022	Victoria to Brighton	VTB3	Kent / Sussex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
Haywards Heath Tunnel (249 yards)	38 05 to 38 17	T	
Folly Hill TP Hut	39 31		
Vale Viaduct	39 59		
	39 62.5		
WIVELSFIELD	40 52		
			PLODs at 40m 65ch
Keymer Jn	40 69		
Keymer Jn Substation	40 78		
		To/From Plumpton SO590 seq 1	
BURGESS HILL	41 39		
Burgess Hill TP Hut	42 25		
			1 Up Main 2 Down Main 3 Up Lewes 4 Down Lewes

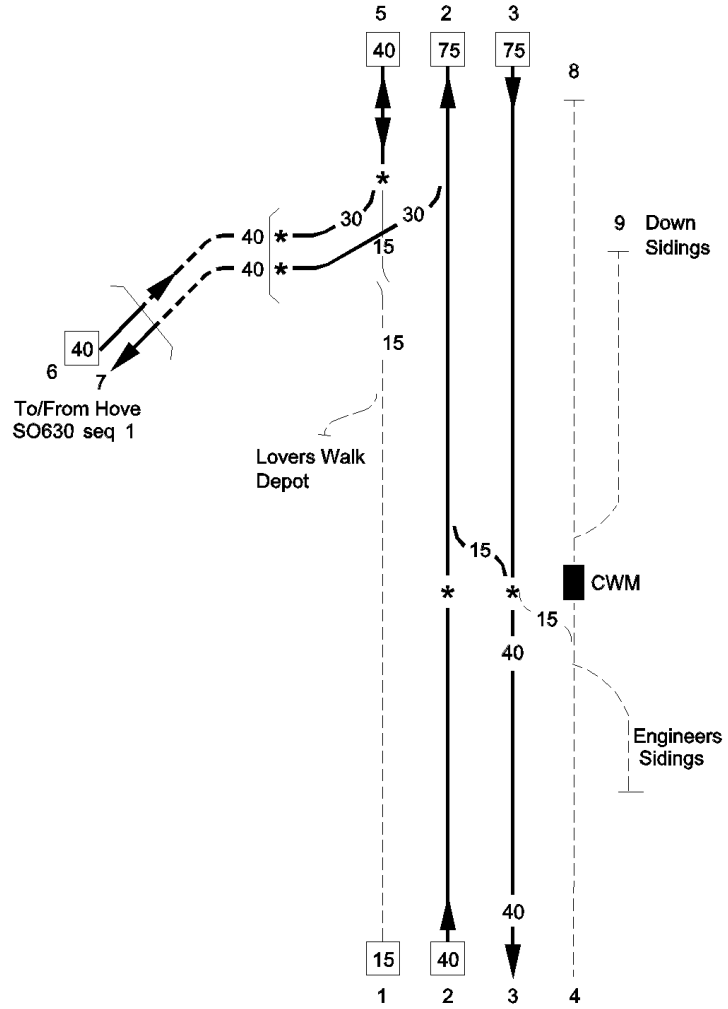
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	023	Victoria to Brighton	VTB3	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
HASSOCKS	43 42		
			PLOD at 43m 59ch
Hassocks Substation	43 65		
	44 40	T	
Clayton Tunnel (1 mile 499 yards)	44 44 to 45 66	T T	
	45 67	T	PLOD at 45m 67ch
Pangdean Substation	46 31		
Patcham Substation	47 50 47 51	T	PLOD at 47m 62ch
Patcham Tunnel (492 yards)	47 65 48 00 *		
	48 07	T	Note:- Warning indicator placed at London end of tunnel.
Preston Park Substation	48 72		1 Up Main 2 Down Main

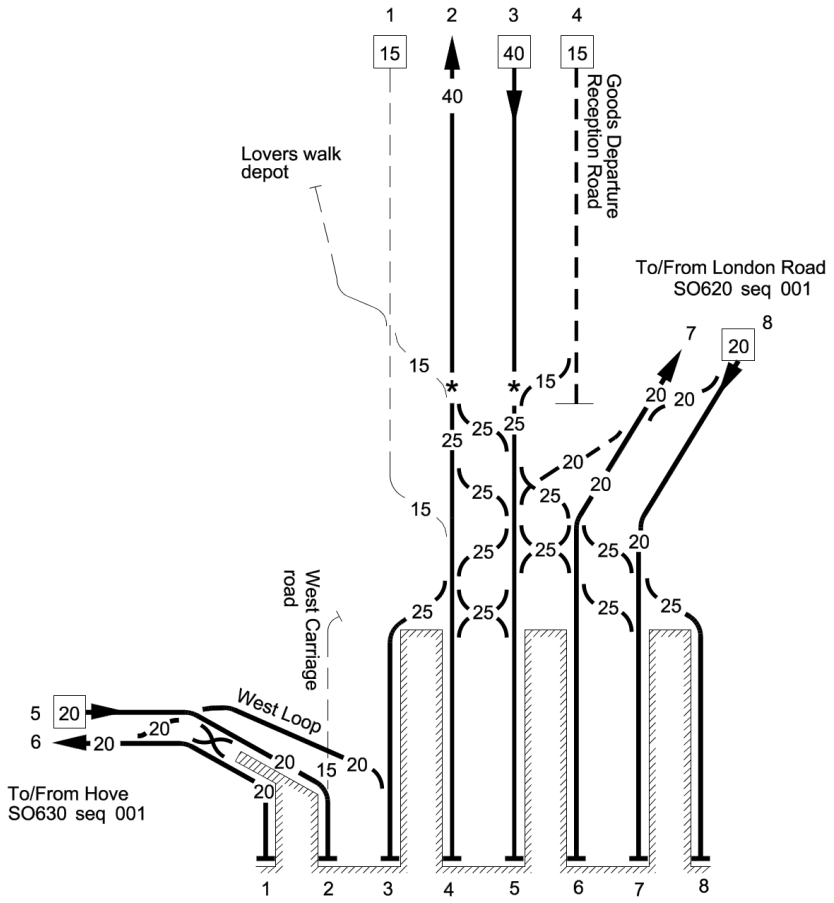
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	024	Victoria to Brighton	VTB3	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
PRESTON PARK	49 21		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton PLOD at 49m 14ch 1 Up Loop 2 Up Main 3 Down Main

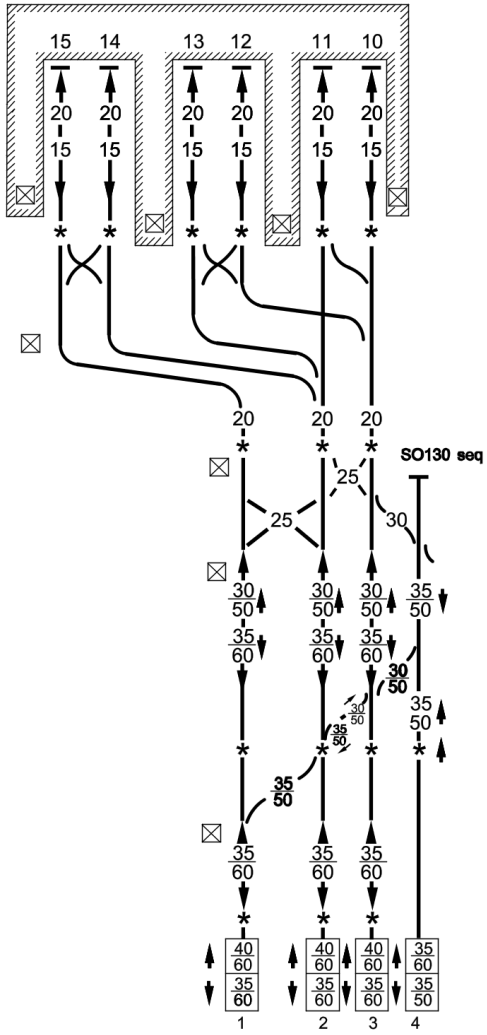
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	025	Victoria to Brighton	VTB3 PPH	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Preston Park Jn	49 43 *		TCB Three Bridges SB (T) RA8 DC: Brighton GSM-R
Cliftonville Tunnel (535 yards)	49 56 *		Indicator positioned at entrance of tunnel. (Hove end)
(Hove Jn)	(50 48)		
	50 00 *		CWM = Carriage Washing Machine
			1 Carriage Road 2 Up Main 3 Down Main 4 Goods Reception 5 Up Loop 6 Up Cilftonville Spur 7 Down Cilftonville Spur 8 Down Siding 1 - 500 Metres 9 Down Siding 2 - 250 Metres

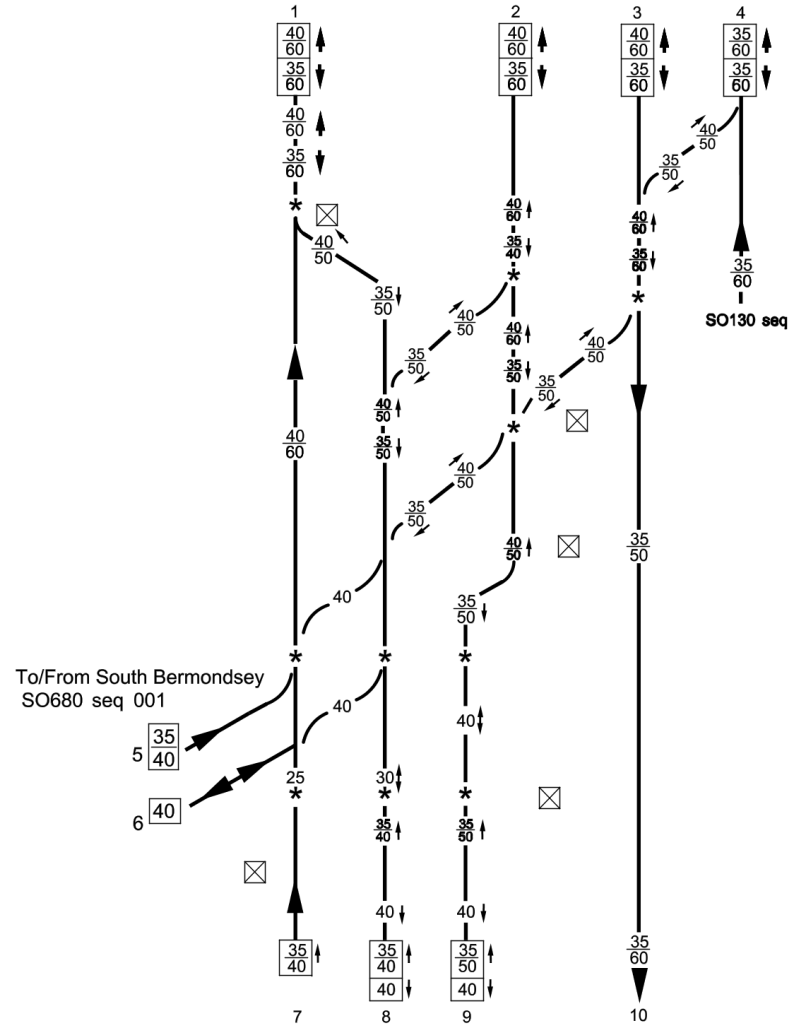
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	026	Victoria to Brighton	BLI1 VTB3 BTL	Kent / Sussex	09/10/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Brighton Substation	50 18		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	50 20 *		
Montpelier Jn	50 31		
	(0 13)		
BRIGHTON	50 49		Platforms 1-8 PP 1 Carriage Road 1 Carriage Road 2 Up Main 3 Down Main 4 Good Reception 5 Up West Branch 6 Down West Branch 7 Down East Branch 8 Up East Branch
	(0 00)		

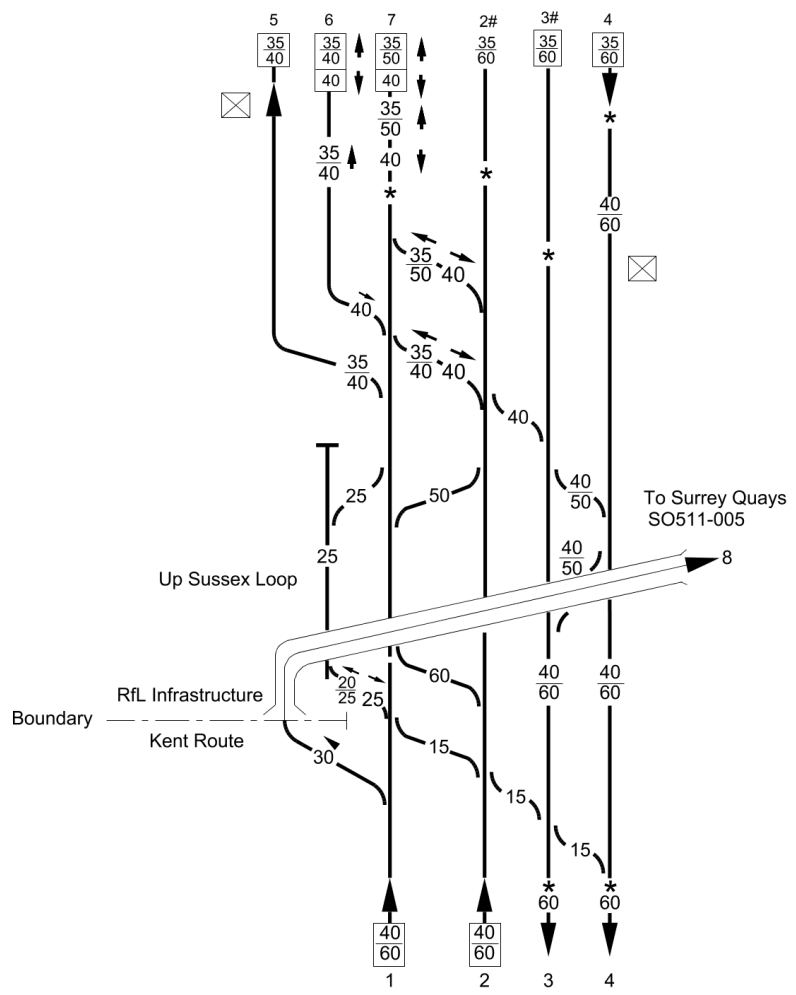
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	001	London Bridge to Epsom Downs	LBW	Kent / Sussex	01/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(L B W 0)	0 00		TCB Three Bridges ROC (TL) London Bridge Central L/E Workstation Lines 1,2,3 and Terminus Charing Cross Workstation line 4 PoSA RA8 DC:Lewisham GSM-R Emergency Point and Route Release Area Authorised Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route. Platforms 10 - 15 PP * Maximum speed 20 MPH on all lines and connections between 00m 25ch and Platform buffer stops. Except 15 MPH in Down Direction between Platform buffer stops and Platform starting signals A.W.S. not provided for emergency and temporary speed restrictions. Signals TL4005, TL4119, TL4207 Not provided with A.W.S Signal Gantry 3405 Datum Point between LBW & XTD Mileages MAXIMUM PERMISSIBLE SPEED BETWEEN LONDON BRIDGE AND NEW CROSS GATE - 60 MPH NEW CROSS GATE AND WINDMILL BRIDGE JN - 70 MPH ON FAST LINES - 60 MPH ON SLOW LINES NORWOOD FORK JN AND EPSOM DOWNS - 60 MPH ☒ LOD(T) Traffic Lock Out Device Inhibits all movements on designated line(s) N.B Full details of the protection afforded is as detailed in the line side case 1 11 Reversible 2 10 Reversible 3 9 Reversible 4 8 Up - Table SO130
LONDON BRIDGE (CENTRAL)			
	0 17 *		
London Bridge TP Hut	0 24		
	0 25 *		
LBW Datum with XTD	0 25		
	(2 09)		
Brunswick Court Junction	0 30		
Abbey Street Junction	0 57 *		
	0 78 *		

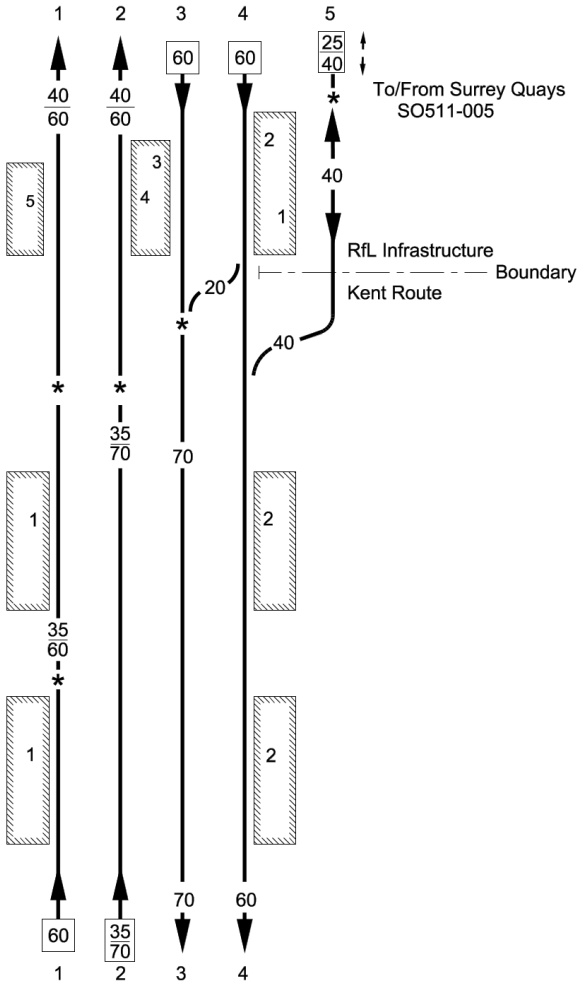
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	002	London Bridge to Epsom Downs	LBW	Kent / Sussex	01/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Spa Road	1 06 * 1 07		GSM-R TCB Three Bridges ROC (TL) London Bridge Central L/E Workstation all lines except 4 Charing Cross Worstation line 4 PoSA RA8 DC:Lewisham Emergency Point and Route Release Area AWS not provided for emergency and temporary speed restrictions. ☒ LOD(T) Traffic Lock Out Device Inhibits all movements on designated line(s) N.B Full details of the protection afforded is as detailed in the line side case
South Bermondsey Substation	1 44		
Blue Anchor Jn	1 45		
	1 53 *		
South Bermondsey Jn	1 55		
	1 63 *		1 11 Reversible 2 10 Reversible 3 9 Reversible 4 8 Up - Table SO130 5 Up South London 6 South London Reversible 7 Up Bermondsey Spur 8 Bermondsey Reversible 9 Sussex Reversible 10 Down Sussex Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	003	London Bridge to Epsom Downs	LBW ELL1	Kent / Sussex	09/07/2022

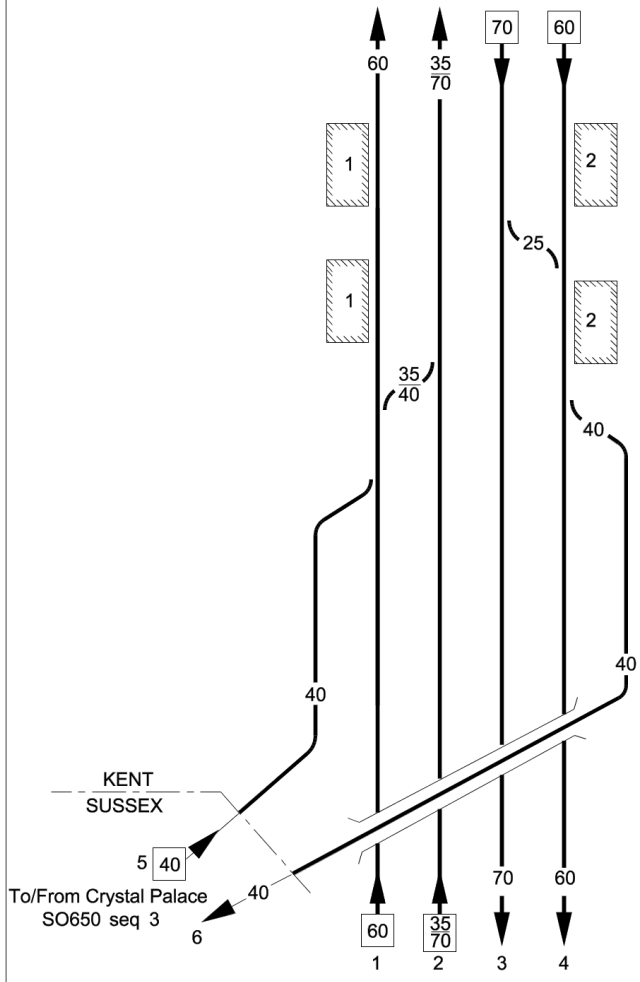
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Bricklayers Arms Jn	1 73 * 2 01 * 2 03 * 2 08 * 2 10		TCB Three Bridges ROC (TL) London Bridge Central L/E Workstation PoSA RA8 DC:Lewisham Emergency Point and Route Release Area GSM-R LOD(T) Traffic Lock Out Device Inhibits all movements on designated line(s) N.B Full details of the protection afforded is as detailed in the line side case A.W.S. not provided for emergency and temporary speed restrictions. TCB Three Bridges ROC (TL) London Bridge Central C/E Workstation PoSA RA8 DC:Lewisham Emergency Point and Route Release Area PF – Permissive Working Authorised in Up Sussex Loop RRAP – Up Sussex Loop
New Cross Gate TP Hut	2 56 (5 54)		RfL Infrastructure - For information purposes only
	2 60 *		1 Up Sussex Slow 2 Up Sussex Fast 3 Down Sussex Fast 4 Down Sussex Slow 5 Up Bermondsey Spur 6 Bermondsey Reversible 7 Sussex Reversible 8 Up East London Line # - SO130 seq 006

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	004	London Bridge to Epsom Downs	LBW ELL1	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Three Bridges ROC (TL) London Bridge Central C/E Workstation RA8 DC:Lewisham GSM-R PoSA and Emergency Point and Route Release Area to Country end of New Cross Gate Station
	(5 61) *		To/From Surrey Quays SO511-005
NEW CROSS GATE	2 70		
ELL/Network Rail Boundary	(5 75)		RfL Infrastructure - For information purposes only
	3 05 *		
	3 10 *		
BROCKLEY	3 56		DC: Brighton
Brockley Substation	4 09		
	4 47 *		
HONOR OAK PARK	4 59		

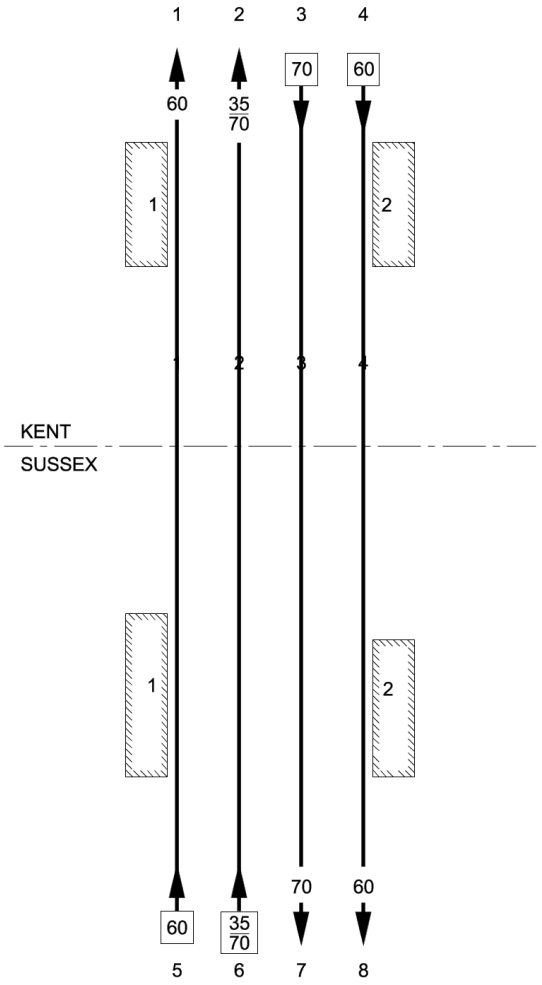
1 Up Sussex Slow
2 Up Sussex Fast
3 Down Sussex Fast
4 Down Sussex Slow
5 Down East London Line

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	005	London Bridge to Epsom Downs	LBW SCP	Kent / Sussex	18/11/2023

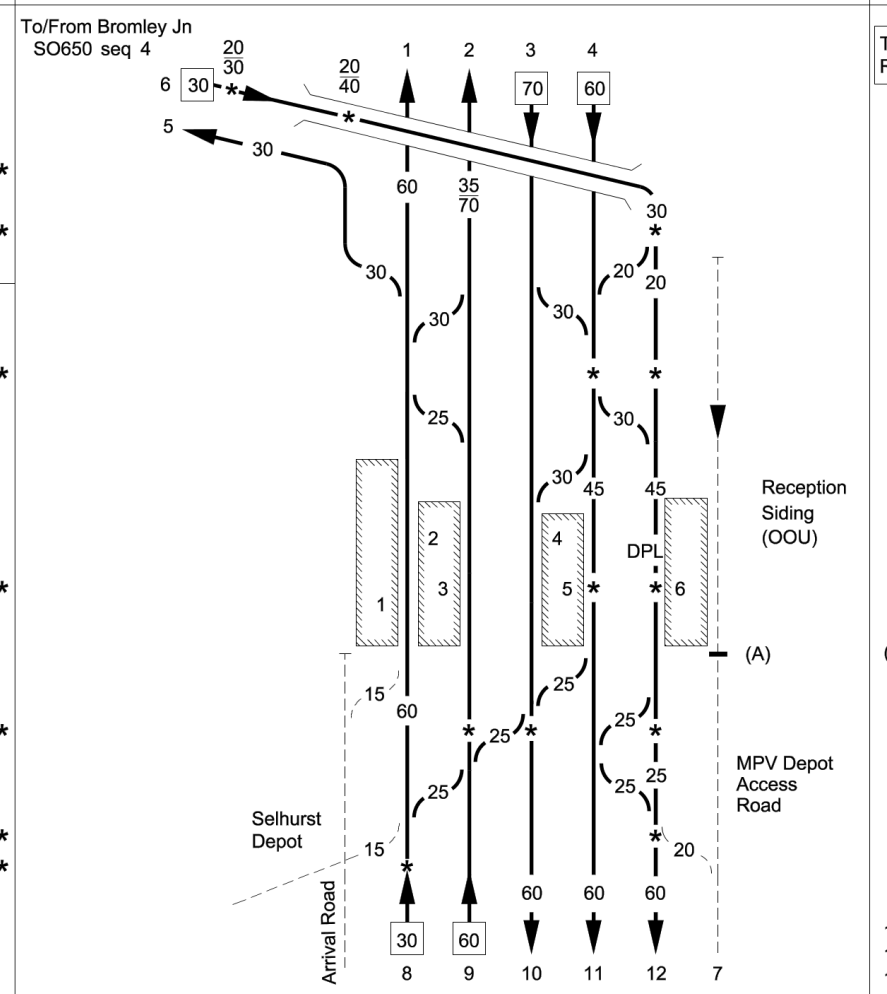
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Forest Hill TP Hut	5 40		TCB Three Bridges Rail Operating Centre (TL) RA8 DC: Brighton GSM-R
FOREST HILL	5 50		
SYDENHAM	6 32		
Sydenham Down Jn	6 41		
	(6 44)		
Sydenham Up Jn	6 51		
	(6 54)		
Penge Substation	6 66		
Route Boundary	7 38		
(Crystal Palace)	(7 52)		

1 Up Sussex Slow
2 Up Sussex Fast
3 Down Sussex Fast
4 Down Sussex Slow
5 Up Sydenham Spur
6 Down Sydenham Spur

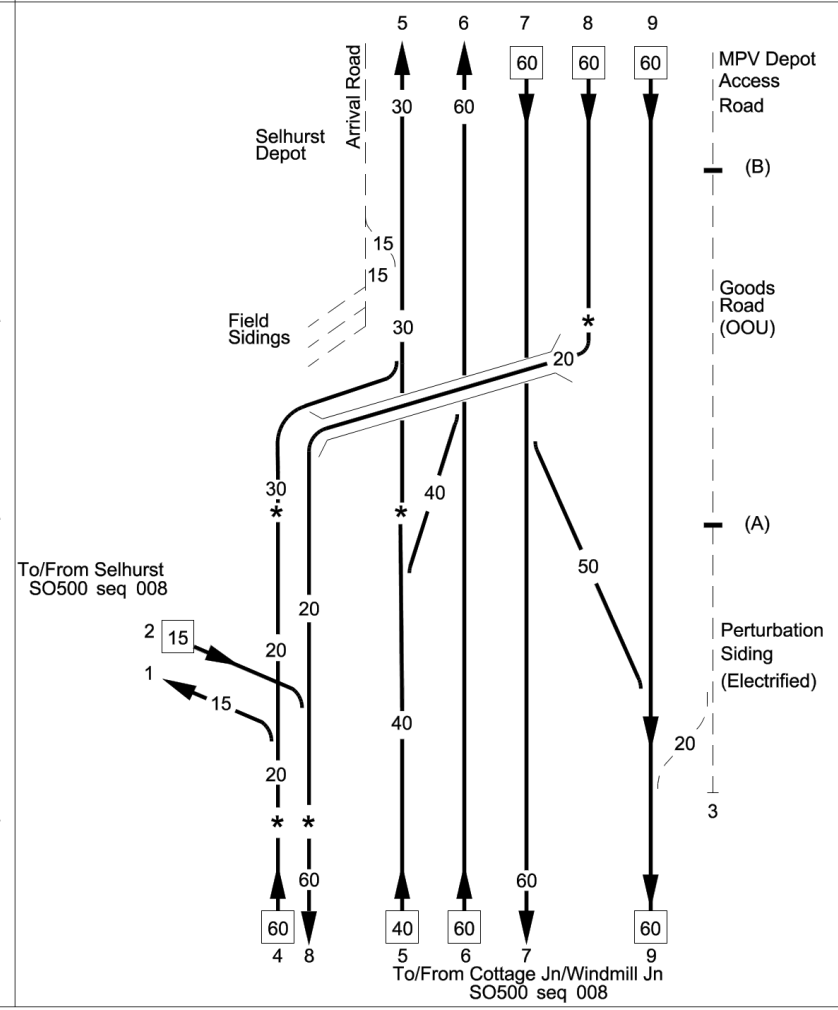
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	006	London Bridge to Epsom Downs	LBW	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
PENGE WEST	7 15		GSM-R TCB Three Bridges Rail Operating Centre (TL) RA8 DC: Brighton
Route Boundary	7 28		
ANERLEY	7 47		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton Change of line names – Centre of Anerley Station
Norwood Jn Substation	8 07		1 Up Sussex Slow 2 Up Sussex Fast 3 Down Sussex Fast 4 Down Sussex Slow 5 Up Slow 6 Up Fast 7 Down Fast 8 Down Slow

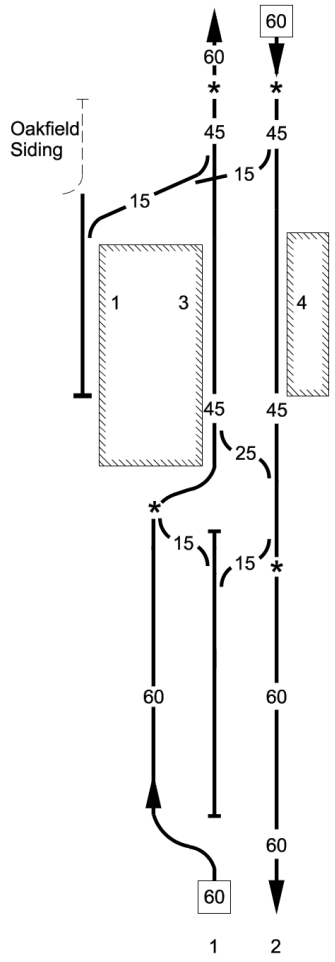
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	007	London Bridge to Epsom Downs	LBW BJN1 BJN2	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			TCB Three Bridges SB (T) RA8 DC: Brighton
(Bromley Up Jn)	(9 32)		
(Bromley Down Jn)	(9 36)		
	(9 48) *		
	(9 72) *		
	(9 75)		
	8 35		
	8 43 *		
NORWOOD JN	8 54 * 8 55		PP-A Platforms - 1-5 (Detaching only)
	8 65 *		(A) - Stop Board - 8m 62ch
	8 68 * 8 71 *		1 Up Slow 2 Up Fast 3 Down Fast 4 Down Slow 5 Up Crystal Palace Spur 6 Down Crystal Palace Spur 7 Through Road 8 Up London Bridge Slow 9 Up London Bridge Fast 10 Down London Bridge Fast 11 Down Wallington 12 Down London Bridge Slow

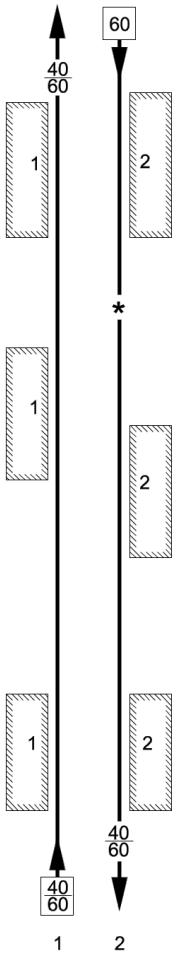
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	008	London Bridge to Epsom Downs	LBW NFE	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Selhurst Depot			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
Norwood Down Yard			(B) - Train Stop - 9m 05ch
	9 24 *		
Norwood Fork Jn	9 33		
Selhurst Substation	9 37 *		(A) - Buffer Stop - 9m 39ch
(Selhurst Jn)	(9 46)		
Gloucester Road Jn	9 45		
	9 61 *		1 Up Selhurst Spur 2 Down Selhurst Spur 3 Through Road/Goods Road 4 Up Wallington 5 Up London Bridge Slow 6 Up London Bridge Fast 7 Down London Bridge Fast 8 Down Wallington 9 Down London Bridge Slow

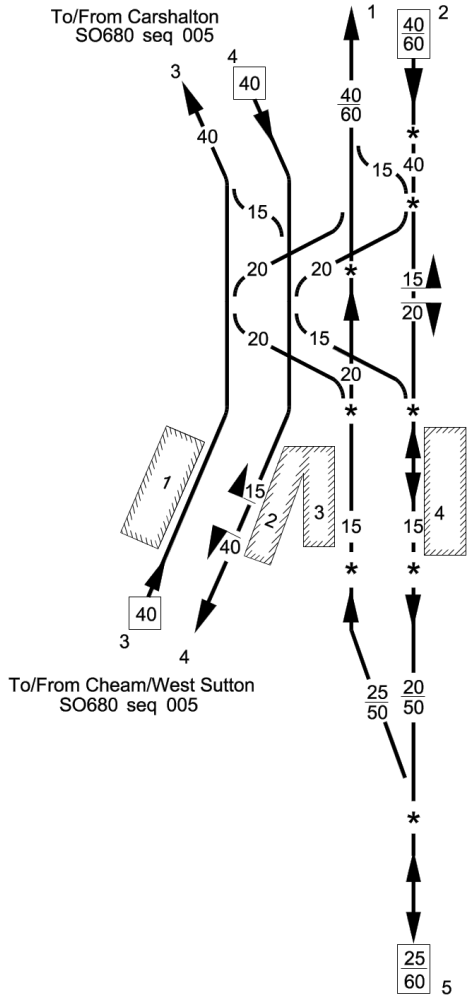
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	009	London Bridge to Epsom Downs	NFE	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	10 13 *		
			PP - Platform 1
WEST CROYDON	10 35		
	10 49 *		
	10 54 *		
West Croydon TP Hut	10 68	T	1 Up Wallington 2 Down Wallington

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	010	London Bridge to Epsom Downs	NFE	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
WADDON	11 40		
Waddon Substation	12 00		
	12 45 *		Axle counter area 12m 45ch
WALLINGTON	13 05		Three Bridges ROC Sutton W/S (TVC) DC: Brighton
Wallington TP Hut	13 45		
CARSHALTON BEECHES	13 72		1 Up Wallington 2 Down Wallington

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	011	London Bridge to Epsom Downs	NFE BTH2	Kent / Sussex	18/11/2023

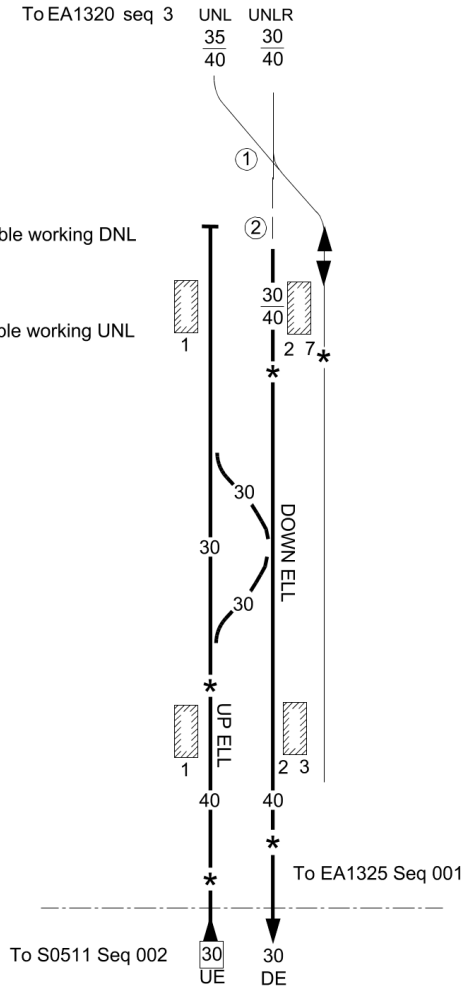
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC Sutton W/S (TVC) RA8 DC: Brighton
	14 30 *		
	14 60 *		
	14 65 *		
Sutton Substation	14 67		
	14 70 *		Axle counter area
SUTTON	14 75		
	(12 50)		
	15 02 *		
	15 41 *		1 Up Wallington 2 Down Wallington 3 Up Portsmouth 4 Down Portsmouth 5 Epsom Downs Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	012	London Bridge to Epsom Downs	NFE	Kent / Sussex	08/12/2018

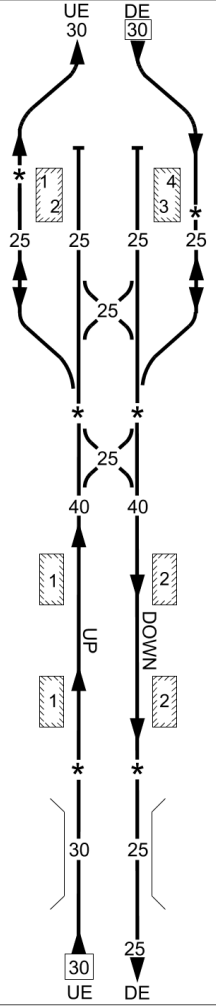
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		25/60	TCB Three Bridges ROC Sutton W/S (TVC) RA8 DC: Selhurst GSM-R
BELMONT	16 01	1	
Belmont TP Hut	16 17		
	16 57 *	* 25/45	Axle counter area
	17 39 *	*	
BANSTEAD	17 40	25/60 1	
Banstead Substation	17 56		
	18 19 *	* 25/45	
		25/60	
	18 27 *	* 25/45	
EPSOM DOWNS	18 60	1	
		1	1 Epsom Downs Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO511	001	Highbury & Islington to New Cross/New Cross Gate (ELL)	ELL5	Anglia	25/06/2022

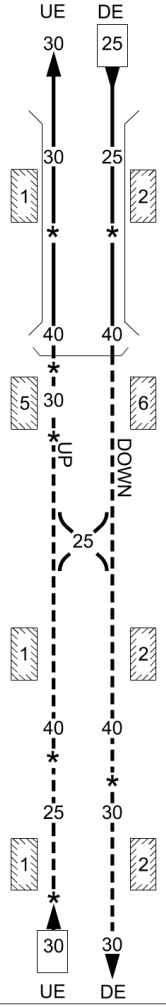
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
HIGHBURY & ISLINGTON	3 38 *	Limit of reversible working DNL	TCB East London Line SCC only Workstation 1 RA8 DC: Lewisham GSM-R
	3 36		Platform 1 - 133m (145 yds) Platform 2 - 138m (151 yds)
	3 33 *	Limit of reversible working UNL	
	3 32 *		① Secured out of use ② Transfer line (TL) AC/DC interface (out of use)
CANONBURY	2 73		Platform 1 - 126m (138 yds) Platform 2 - 127m (139 yds)
	2 25 *		
	2 22 *		
Network Rail / RFL Boundary (Dalston West Curve)	2 17 2 17		



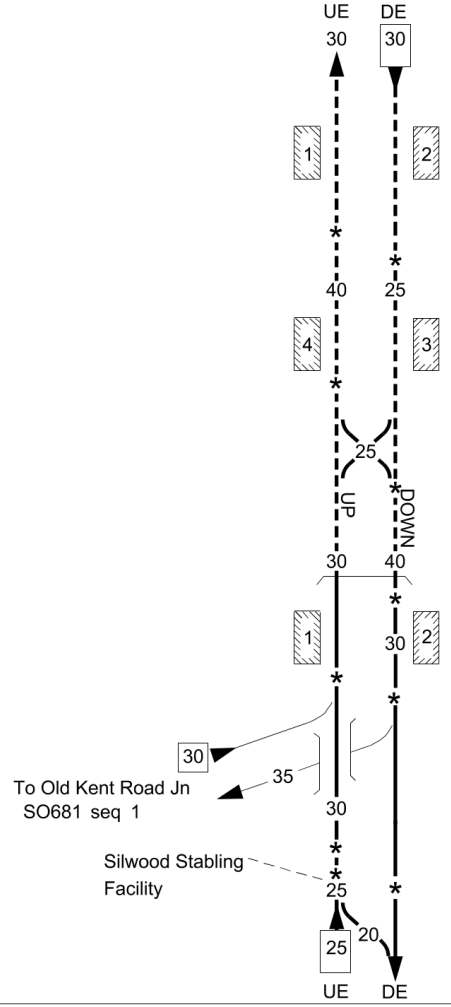
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO511	002	Highbury & Islington to New Cross/New Cross Gate (ELL)	ELL1	Sussex	25/06/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
DALSTON JUNCTION	0 15 * 0 20 0 25 *		GSM-R TCB East London Line SCC (EL) Workstation 1 RA8 DC: Lewisham RfL Infrastructure - For information purposes only Axle counter area Platform 1 - 95m (103yds) Platform 2 -90m (98yds) Platform 3 - 89m (97yds) Platform 4 - 95m (103yds)
	0 35 *		
HAGGERSTON	0 52		Platform 1 - 93m (102yds) Platform 2 - 93m (102yds)
HOXTON	1 13		Platform 1 - 92m (101yds) Platform 2 - 92m (101yds)
	1 48 *		
Holywell Viaduct	1 56 to 1 64		UE Up East London DE Down East London

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO511	003	Highbury & Islington to New Cross/New Cross Gate (ELL)	ELL1	Sussex	25/06/2022

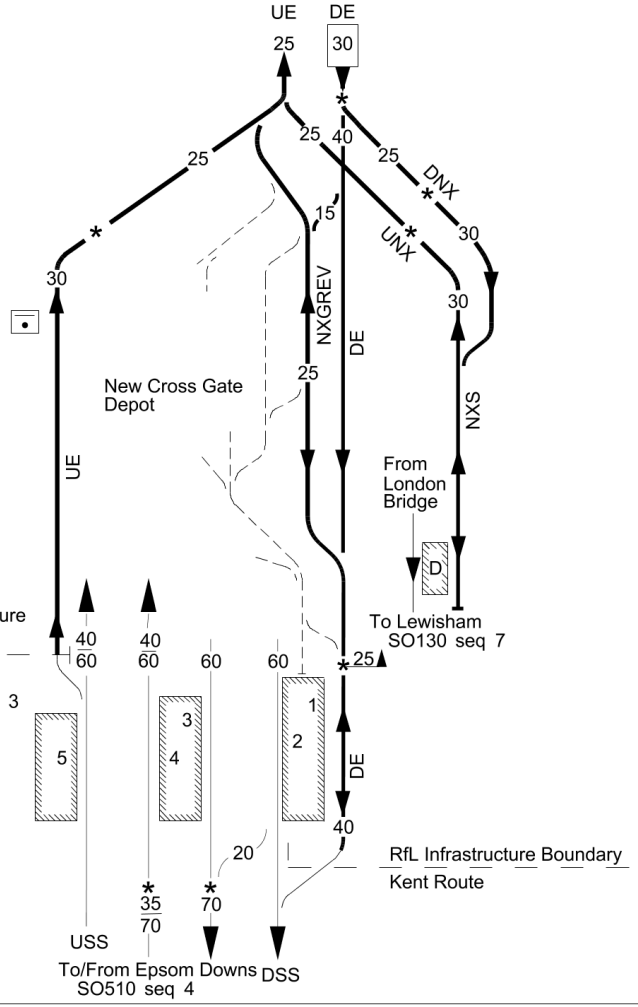
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB East London Line SCC (EL) Workstation 1 RA8 DC: Lewisham
Bishopsgate Viaduct Northern Limit	1	65			RfL Infrastructure - For information purposes only
					Axle counter area
SHOREDITCH HIGH STREET	1	71			Platform 1 -101m (110yds) Platform 2 - 102m (112yds)
	1	75	*		
Bishopsgate Viaduct Southern Limit	2	05			
Vallance Road Portal	2	29			
	2	44	*		
WHITECHAPEL	2	49			Platform 5 - 78.5m (86yds) Platform 6 - 84m (92yds)
	2	52	*		
					UE Up East London DE Down East London
SHADWELL	3	18			Platform 1 - 95m (104yds) Platform 2 - 94m (103yds)
	3	48	*		
	3	51	*		
WAPPING	3	57			Platform 1 -87m (95yds) Platform 2 - 80m (87yds)
	3	61	*		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO511	004	Highbury & Islington to New Cross/New Cross Gate (ELL)	ELL1	Sussex	25/06/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
ROTHERHITHE	4 03		GSM-R TCB East London Line SCC (EL) Workstation 1 RA8 DC: Lewisham RfL Infrastructure - For information purposes only Axle counter area Platform 1 - 73m (80yds) Platform 2 - 73m (80yds)
	4 06 *		
	4 16 *		
CANADA WATER	4 20		Platform 3 - 91m (99yds) Platform 4 - 90m (99yds)
	4 24 *		East London Line SCC (EL) Workstation 2
	4 28 *		
Surrey Quays Portal	4 38		
	4 41 *		
SURREY QUAYS	4 46		Platform 1 - 103m (113yds) Platform 2 - 104m (114yds)
	4 48 *		
	4 49 *		
Silwood Jn	4 66 *		UE Up East London DE Down East London
	5 09 *		US Up Silwood DS Down Silwood
	5 12 *		
	5 13 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO511	005	Highbury & Islington to New Cross/New Cross Gate (ELL)	ELL1 ELL2	Sussex	25/06/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
	ELL1	ELL2		
Canal Jn	5 21 *			
		5 28 *		
	5 29 *	5 29 *		
East London Line SCC	5 33			
Rolt Street Jn		5 45		
New Cross Gate Depot	5 40			
New Cross Gate North Jn	5 55			
NEW CROSS		5 78		
ELL/Network Rail Boundary	5 54			
	5 61 *			
New Cross Gate Up Jn	5 59			
NEW CROSS GATE	5 67			
	(2 70)			
ELL/Network Rail Boundary	5 75			
New Cross Gate Down Jn	6 08			
	(3 10)			



GSM-R

TCB East London Line SCC (EL) Workstation 2
RA8 DC: Lewisham

RfL Infrastructure - For information purposes only

Axle counter area

USS: Up Sussex Slow
DSS: Down Sussex Slow
UE: Up East London Line
DE: Down East London Line
NXGREV: NXG Reversible
UNX: Up New Cross
DNX: Down New Cross
NXS: New Cross Single

Platform D - 101m (110yds)

TCB Three Bridges Rail Operating
RA8 Centre 3B (TL) DC:Lewisham

Platform 1 - 142m (155yds)

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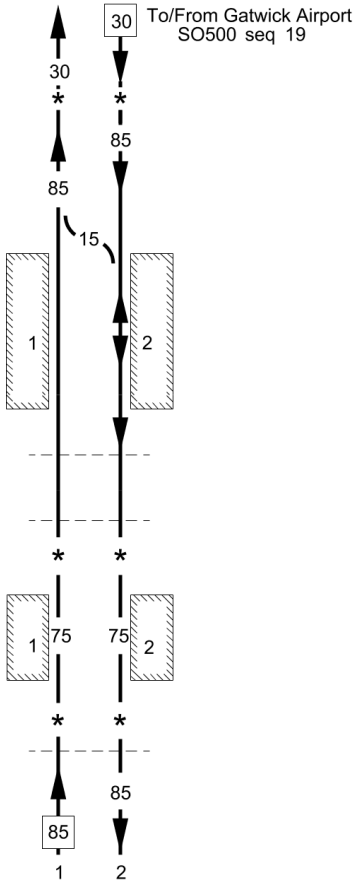
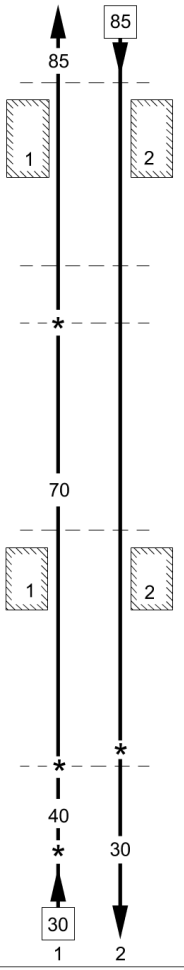
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	001	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	29/08/2022

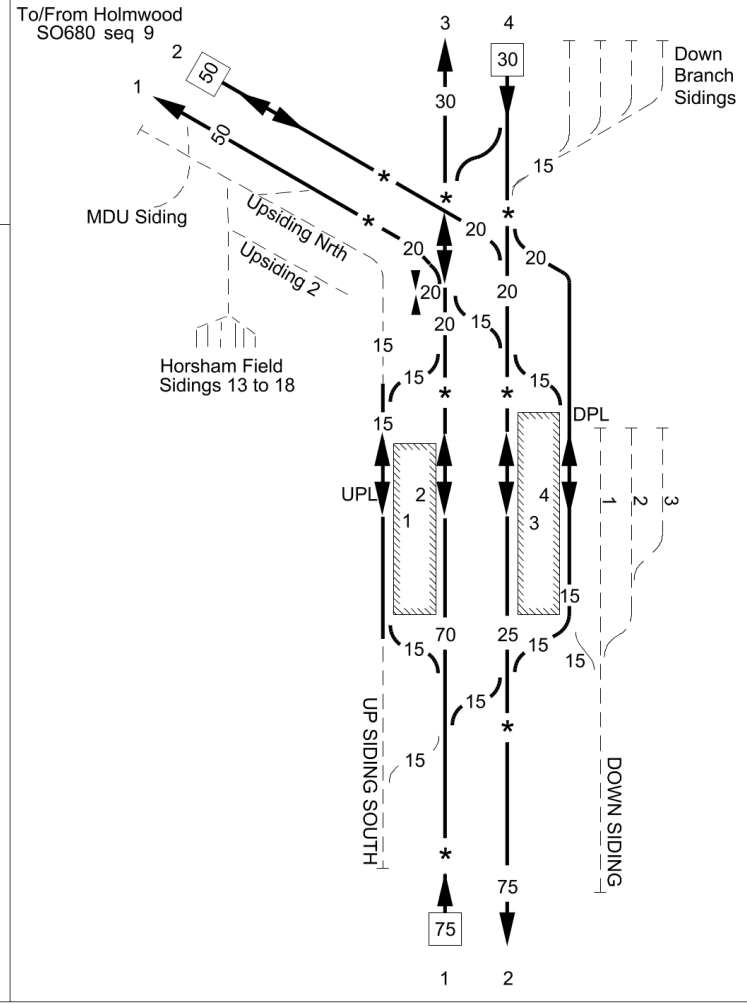
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN THREE BRIDGES AND HORSHAM - 85 MPH HORSHAM AND HAVANT - 75 MPH HAVANT AND PORTSMOUTH HARBOUR - 85 MPH	GSM-R TCB Three Bridges ASC (T) Panel 7A RA8 DC: Brighton
(THREE BRIDGES)	(29 21)		
	29 60 *		
Crawley TP Hut	30 40		
CRAWLEY	30 49		
Crawley High Street LC (CCTV)	30 63		
Horsham Road LC (CCTV)	31 05		
	31 48 *		
Ifield Substation	31 61		
IFIELD	31 66		
	32 14 *		
Bewbush crossing	32 65		1 Up Horsham 2 Down Horsham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	002	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	29/08/2022

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Three Bridges ASC RA8 Panel 7A (T) DC: Brighton
Faygate TP Hut	33	40			
Kilnwood Crossing	33	45		T	
FAYGATE	34	28			
Roffey Road Substation	35	19		T	
Brooks Lane FP crossing	35	23		T	
Roffey Road Crossing (AHBC)	35	39	*	T	
Rusper Road Crossing (CCTV)	36	48			
LITTLEHAVEN	36	52			
	37	12	*		
Parsonage Road Crossing (CCTV)	37	14	*	T	
	37	28	*		TCB Three Bridges ASC RA8 Panel 7B (T) DC: Brighton 1 Up Horsham 2 Down Horsham

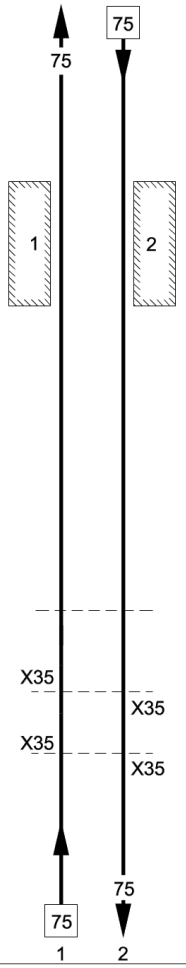
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	003	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	29/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Junction	35 34 *	To/From Holmwood SO680 seq 9	TCB Three Bridges ASC RA8 Panel 7B (T) DC: Brighton GSM-R
	37 39		
Horsham Substation	37 40		
	37 48 *		DPL 35 UPL 35
HORSHAM	37 56		Platform 1 PP Platform 2 PP-A Platform 3 PP Platform 4 PP Horsham Field Sidings 258 metres
	37 68 *		
	38 40 *		1 Up Main 2 Down Main 3 Up Horsham 4 Down Horsham

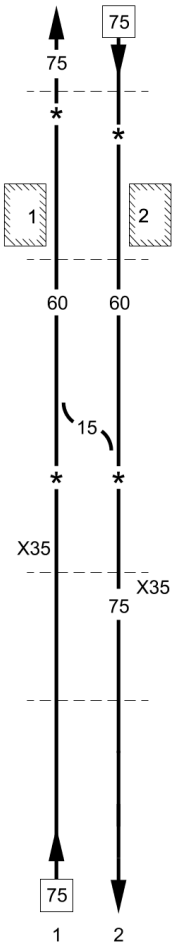


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	004	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	13/07/2024

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB Three Bridges ASC (T) Panel 7B RA8 DC: Brighton GSM-R
Parthings TP Hut	39	34		
CHRIST'S HOSPITAL	40	07		
Marlands Substation	41	20		Axle Counter area: Down Arun Valley Entry: 40m 17ch Up Arun Valley exit: 41m 29 ch
Sharpenhurst No 3 Crossing	41	39	T	
				Other Crossings in this area:- Itchingfield F/P 40m 66ch Sharphurst No.2 F/P 41m 28ch
Barn's Green LC (AHBC)	42	18	T	Barnes Green F/P 42m 01ch
Vale Wood Crossing (R/G)	42	45	T	
Pratts Lower Crossing (R/G)	42	62	T	
Barnes Green TP Hut	43	08		
				1 Up Arun Valley 2 Down Arun Valley

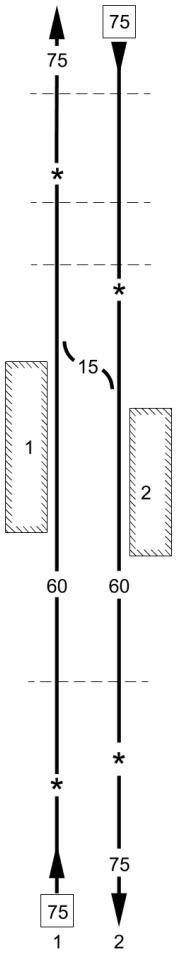


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	005	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	29/08/2022

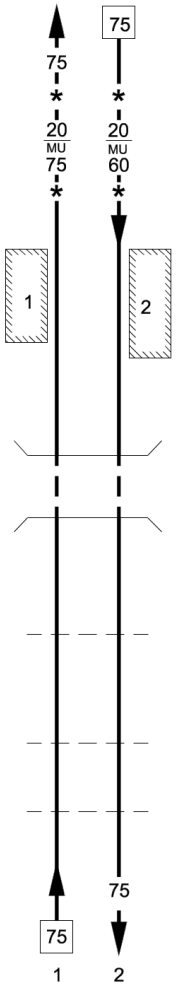
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ASC (T) Panel 7B RA8 DC: Brighton
Rosier No.2 Crossing	44 35 44 51 * 44 57 *	T	
BILLINGSHURST	44 71		Other Crossings also in this area:-
Station Road LC (MCB-OD)	44 75		Daux F/P 44m 54ch Rats Bottom F/P 47m 23ch Double F/P 47m 28ch Wanseys F/P 47m 58ch Frogs Hole F/P 47m 75ch Windmill F/P 48m 04ch
Billingshurst Substation	44 78		
	45 45 *		
Hadfold No.2 Crossing (R/G)	46 00	T	
Adversane LC (AHBC)	46 31	T	
Todhurst TP Hut	46 68		

1 Up Arun Valley
2 Down Arun Valley

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	006	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	29/08/2022

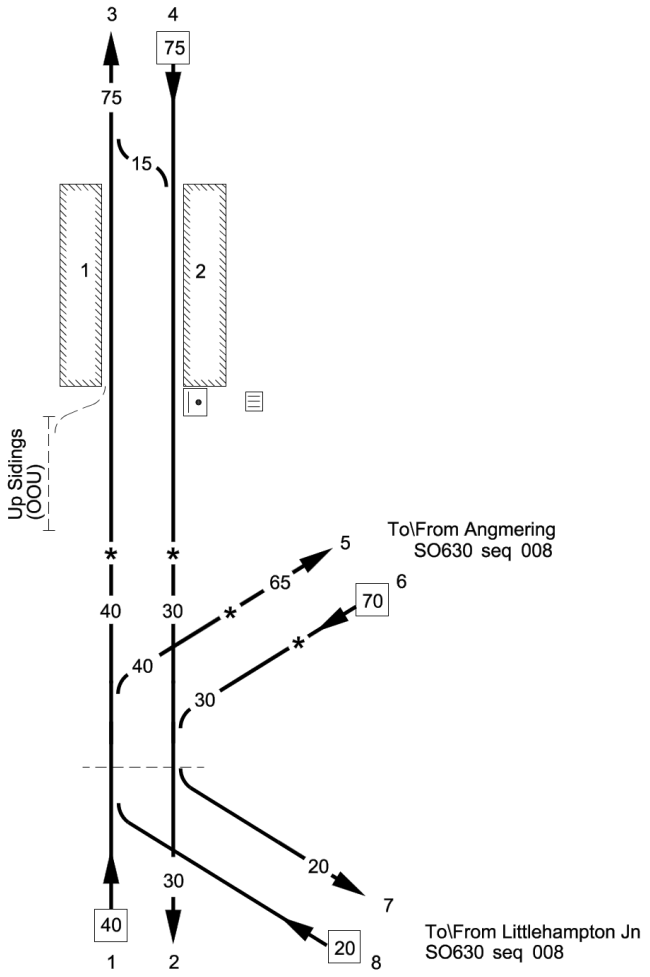
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ASC (T) Panel 7B RA8 DC: Brighton
Cray Lane LC (AHBC)	48 31	T	
	48 42 *		
Forty Steps F/P	48 52		
Codmore Hill Substation	48 57		
New Place F/P	49 06		
	49 07 *		
PULBOROUGH	50 00		
Hardham TP Hut	50 40		
Hardham LC (AHBC)	50 66	T	
	51 00 *		
	51 03 *		
			1 Up Arun Valley 2 Down Arun Valley

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	007	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Three Bridges ASC (T) Panel 7B RA8 DC: Brighton GSM-R
Thorndell Substation	52 29		
	53 36 *		
	53 44 *		
Amberley TP Hut	54 20	T	
AMBERLEY	54 62		
North Stoke Tunnel (83 yards)	55 30 to 55 33		Axle Counter area: Up Arun Valley entry: 55m 70ch Down Arun Valley exit: 56m 00ch
South Stoke Crossing	55 65	T	TCB Arundel SB (AR) RA8 DC: Brighton GSM-R
South Stoke Substation	56 07		
Peppering Crossing	56 30	T	
Offham Crossing	56 60	T	
Black Rabbit Crossing	57 03	T	1 Up Arun Valley 2 Down Arun Valley

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	008	Three Bridges to Portsmouth Harbour	TBH1	Kent / Sussex	13/07/2024

Location	Mileage M	Ch	Running lines & speed restrictions	Signalling & Remarks
Warningcamp Crossing	57	52	T	
Arundel TP Hut	57	79		
ARUNDEL	58	28		
Arundel SB (AR)	58	36		
Arundel Ground Frame	58	36	Ⓢ	
Tee Crossing	58	58	T	
Pring Crossing	59	26	T	
	59	60 *		
	(18	65) *		
	(18	67) *		
Ford Substation	59	71		
Arundel Jn	59	75		
(Change of mileage)	19	01		
Hutchings Crossing	19	02		

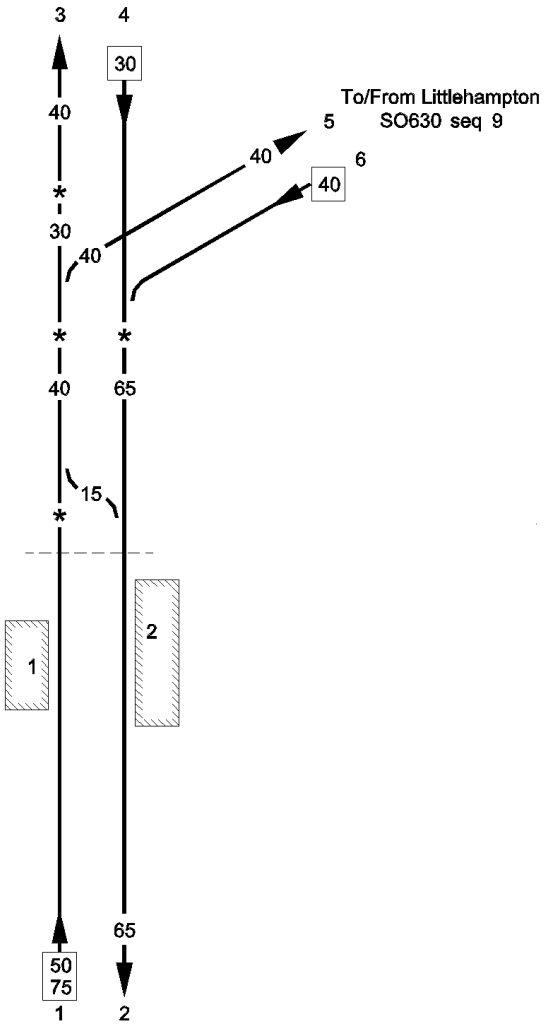


TCB Arundel SB (AR)
RA8 DC: Brighton

GSM-R

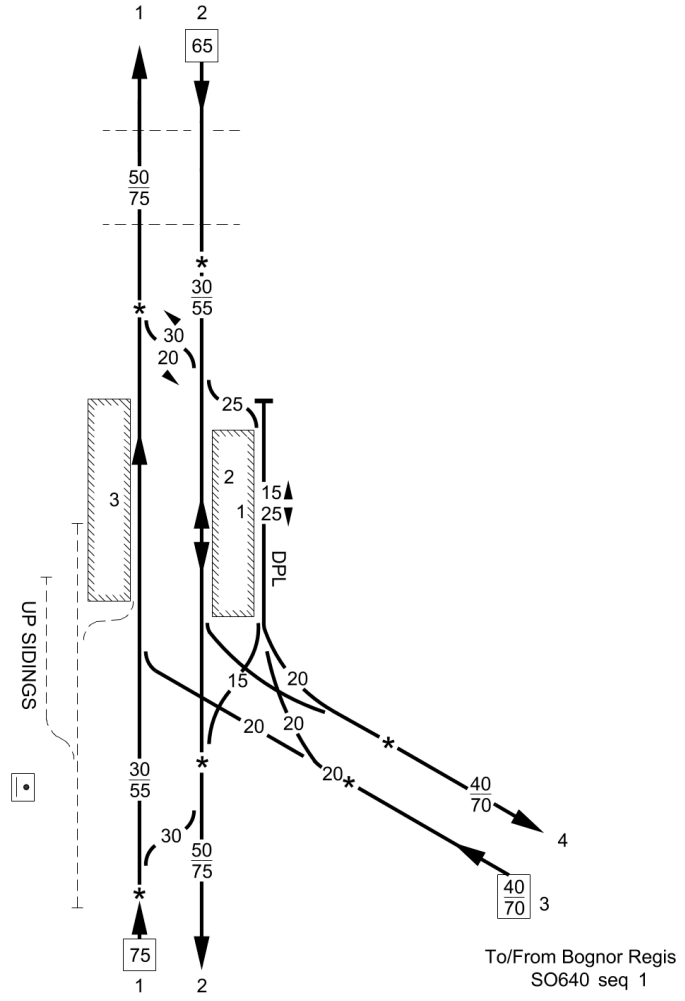
1 Up Main
2 Down Main
3 Up Arun Valley
4 Down Arun Valley
5 Up Brighton
6 Down Brighton
7 Down East Curve
8 Up East Curve

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	009	Three Bridges to Portsmouth Harbour	TBH2 FJL	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Littlehampton Jn)	(0 31)		GSM-R TCB Arundel SB (AR) RA8 DC: Brighton
	19 29 *		
Ford Jn	19 31		
	(0 00) 19 33 *		
	19 37 *		
Ford LC (CCTV)	19 50		
FORD	19 55		
Yapton TP Hut	20 59		

1 Up Brighton
2 Down Brighton
3 Up Main
4 Down Main
5 Down Curve
6 Up Curve

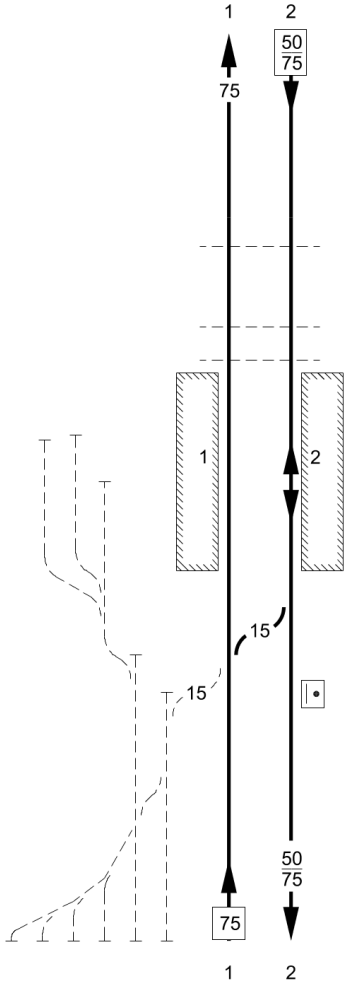
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	010	Three Bridges to Portsmouth Harbour	TBH2 BBR	Kent / Sussex	14/01/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Barnham SB (BH) RA8 DC: Brighton
Yapton LC (CCTV)	20 79	T	
Lake Lane Crossing	21 18	T	
	21 72 *		
	22 12 *		
BARNHAM	22 29		DPL 35 Platform 1 (Up direction) PP Platform 1 (Down direction) PP-A (Detaching only) Platform 2 (Up direction) PP Platform 2 (Down direction) PP-A (Detaching only) Platform 3 (Up direction) PP
Barnham Substation	22 40		
Barnham SC (BH)	22 43 * 22 44 22 46 *		
	22 54 *		1 Up Main 2 Down Main 3 Up Branch 4 Down Branch

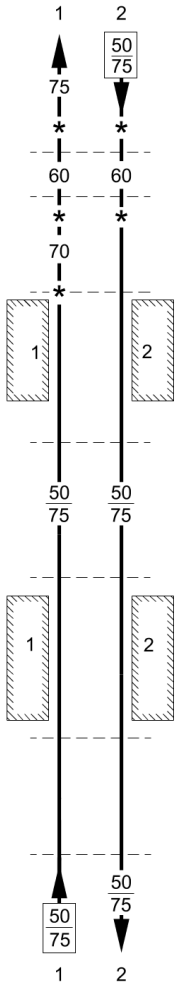
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	011	Three Bridges to Portsmouth Harbour	TBH2	Kent / Sussex	27/02/2021

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
			1 2	GSM-R
			50/75	TCB Barnham SB (BH)
				RA8 DC: Brighton
New Barn	23	07	T	
			75	
Woodgate LC (CCTV)	23	53	T	
Park Lane Crossing	23	71	T	
Woodgate TP Hut	24	29		
Decoy Crossing	24	64	T	
Woodhorn LC (AHBC)	25	20	T	TCB Chichester SB CC
				RA8 DC: Brighton
Drayton Substation	26	18		
Oving Crossing	26	21	T	
Drayton LC (CCTV)	26	48	T	
			50/75	
			75	1 Up
			1 2	2 Down

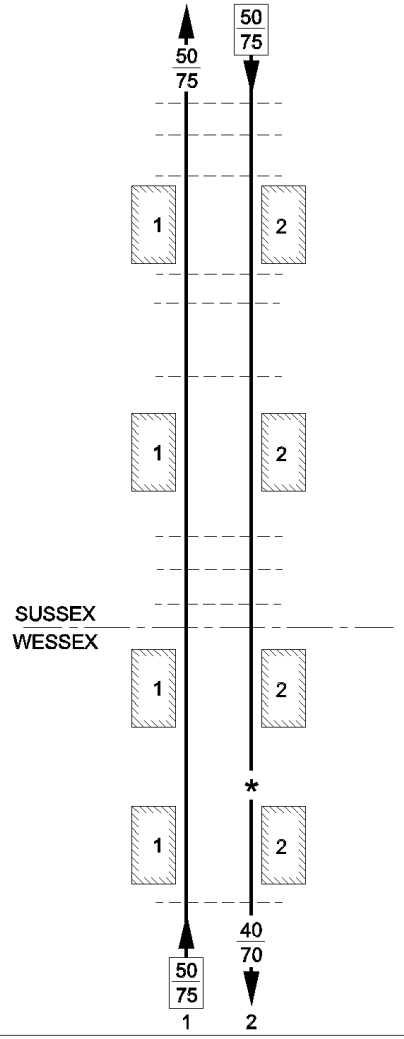
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	012	Three Bridges to Portsmouth Harbour	TBH2	Kent / Sussex	27/09/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Chichester SB (CC) RA8 DC: Brighton
Whyke Road LC (CCTV)	27 70		
Chichester TP Hut	28 06		
Basin Road LC (CCTV)	28 39		
Stockbridge Road LC (CCTV)	28 43		
CHICHESTER	28 51		
Chichester SB (CC)	28 60		1 Up 2 Down

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	013	Three Bridges to Portsmouth Harbour	TBH2	Kent / Sussex	15/02/2020

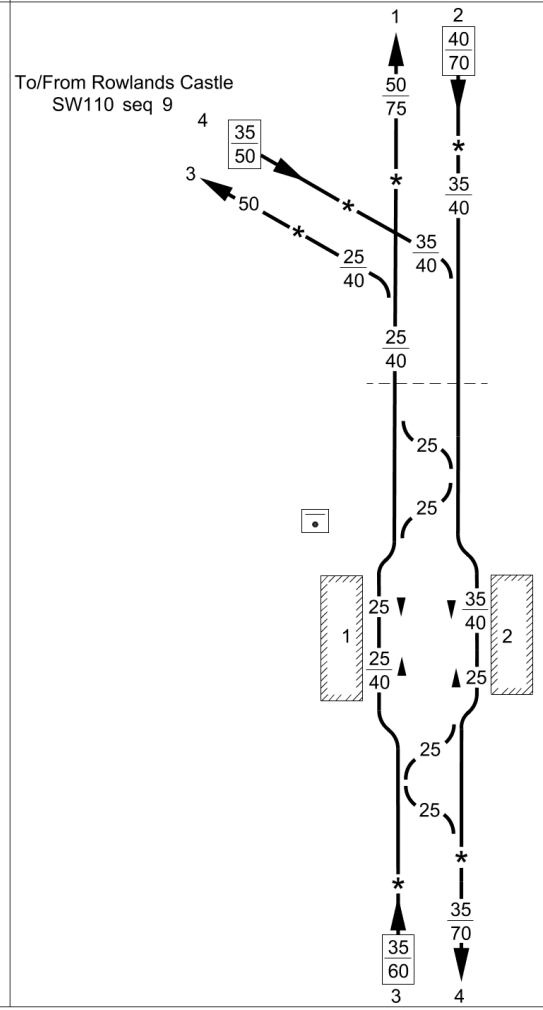
Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Chichester SB (CC) RA8 DC: Brighton
	29	25	*		
Fishbourne Footpath LC (R/G)	29	27		T	
Clay Lane LC (AHBC)	29	49		T	
	29	52	*		
Fishbourne Substation	29	76			
New Fishbourne LC (AHBC)	30	08	*	T	
FISHBOURNE	30	12		T	Other Level Crossing in this area:- Palace F/P 29m 69ch
Black Boy Lane LC (AHBC)	30	25		T	
Brooks Lane FP crossing	31	30		T	
BOSHAM	31	43			
Bosham LC (AHBC)	31	49		T	
Bosham TP Hut	31	64			
Funtington LC (AHBC)	32	19		T	
					1 Up 2 Down

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	014	Three Bridges to Portsmouth Harbour	TBH2	Kent / Sussex	02/05/2015

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					TCB Chichester SB (CC) RA8 DC: Brighton GSM-R
Green Lane Crossing	32	29	T		
Drift Lane LC (AHBC)	32	60	T		
Nutbourne LC (AHBC)	33	12	T		
NUTBOURNE	33	14			
Pottery F/P Crossing	33	19			
Copse F/P Crossing	33	44			
Nutbourne Substation	33	53			
Inlands Road LC (AHBC)	33	70	T		
SOUTHBOURNE	34	16			
Southbourne LC (CCTV)	34	22	T		
Church F/P Crossing	34	56			
Penny Lane	35	03			
Route Boundary	35	35			TCB Havant SB (HT) RA8 DC: Eastleigh
Emsworth TP Hut	35	38			
EMSWORTH	35	50			
	36	60	*		Axle Counters: Up Exit 35m 35ch Down Entry 35m 35ch
WARBLINGTON	36	66			
Warblington LC (CCTV)	36	71			

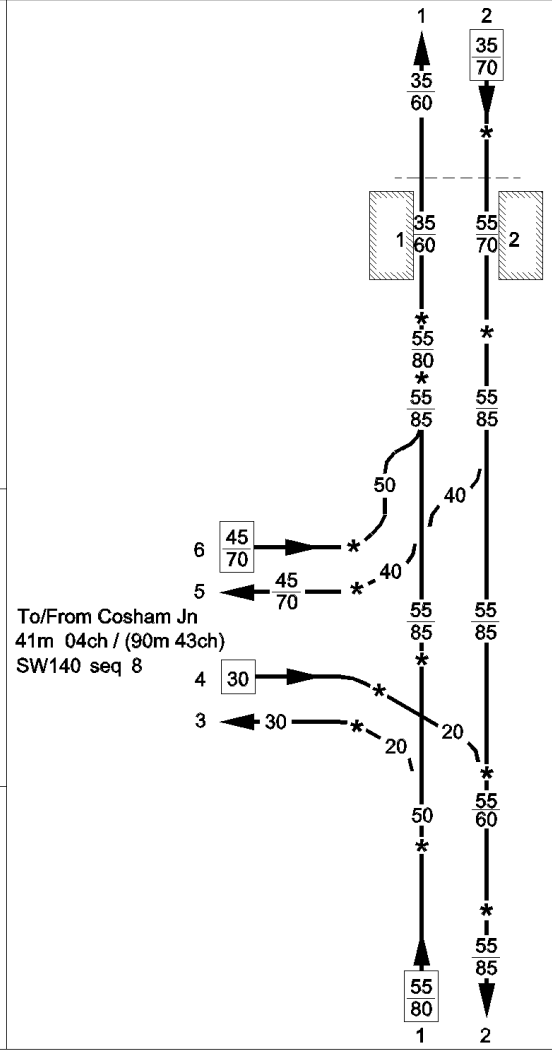
1 Up
2 Down

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	015	Three Bridges to Portsmouth Harbour	TBH2 WPH2	Kent / Sussex	16/08/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh
	37 13 *		
	37 20 *		Axle Counter area
	(66 10) *		
Havant LC (CCTV)	37 26		
Havant SB (HT)	37 28		CTLP - WX-CLT-HSLE 37m, 34ch
	37 34 *		
HAVANT	37 41		
	37 61 *		
	37 63 *		1 Up Brighton 2 Down Brighton 3 Up Main 4 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	016	Three Bridges to Portsmouth Harbour	WPH2	Kent / Sussex	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	37 76 *		
Bedhampton LC (CCTV)	38 10		
BEDHAMPTON	38 14		
	38 28 *		
	38 29 *		
	38 60 *		
Farlington Jn	40 33		
	(91 14)		
	(91 00) *		
	(91 00) *		
	40 38 *	To/From Cosham Jn 41m 04ch / (90m 43ch) SW140 seq 8	
	(90 75) *		
	(90 75) *		
Portcreek Jn	41 03 *		
	(91 01)		
	41 08 *		
	41 24 *		



TCB Havant SB (HT)
RA8 DC: Eastleigh

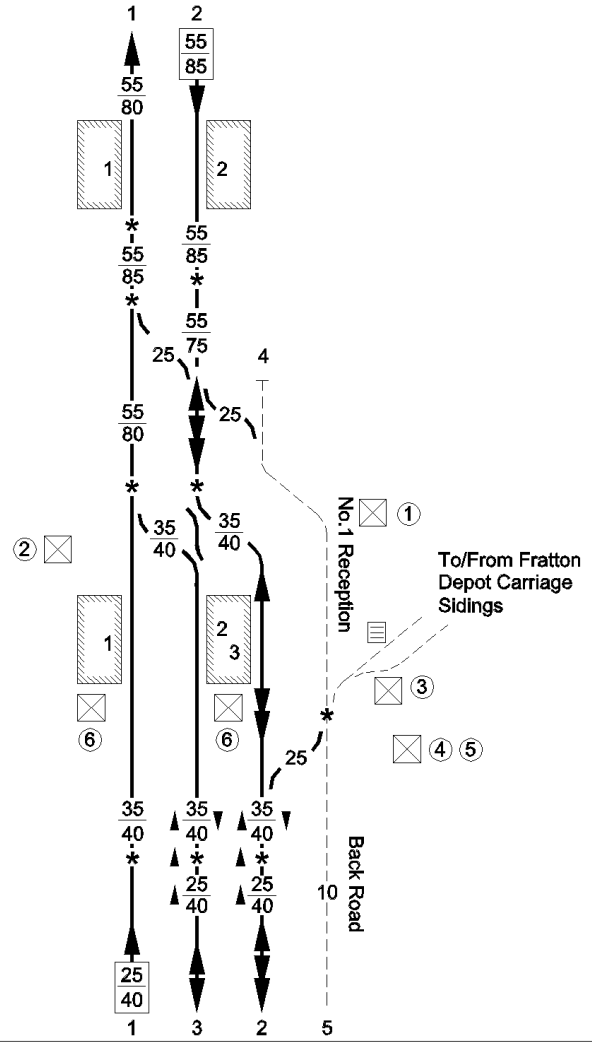
GSM-R

CSR 91

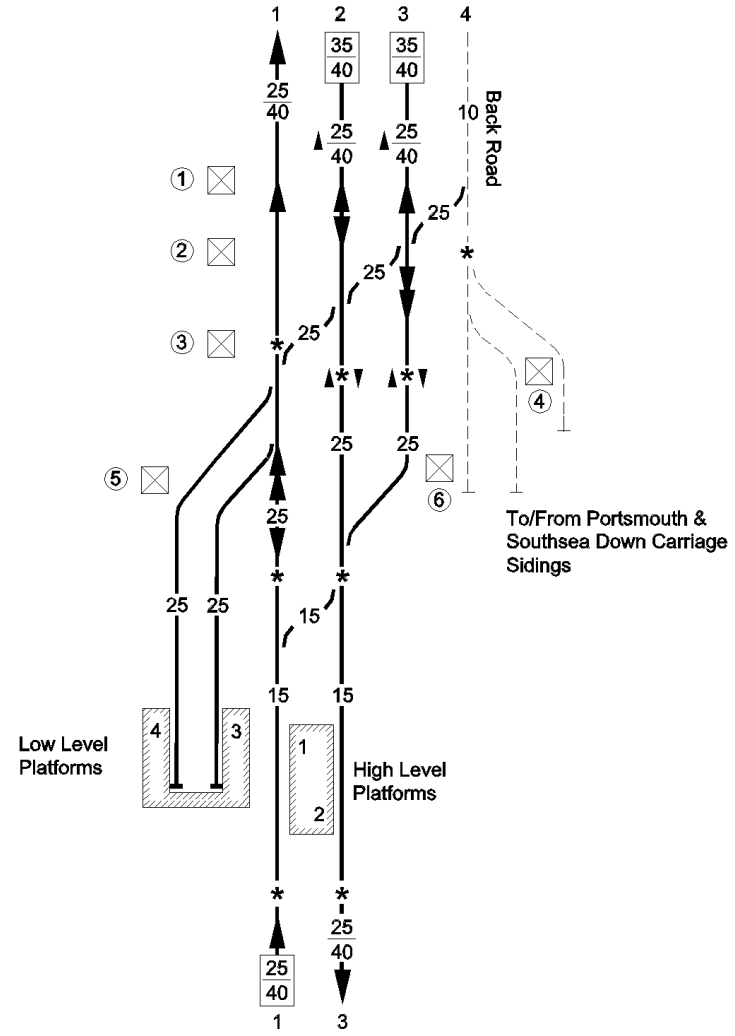
Axle Counter area

1 Up Main
2 Down Main
3 Up Branch
4 Down Branch
5 Down Spur
6 Up Spur

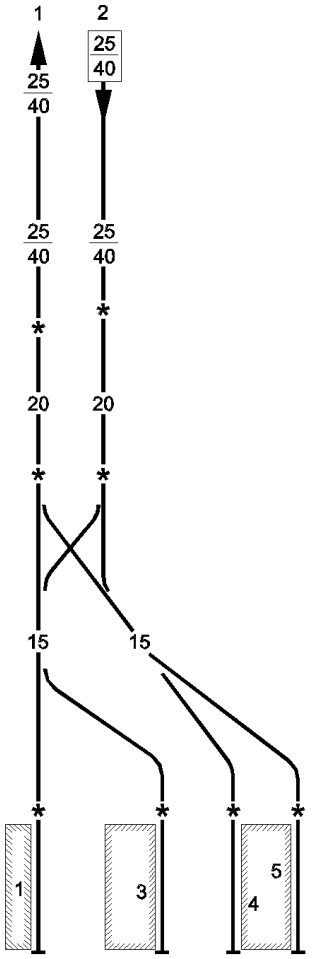
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	017	Three Bridges to Portsmouth Harbour	WPH2	Kent / Sussex	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
HILSEA	41 41		TCB Havant SB (HT) RA8 DC: Eastleigh GSM-R CSR 91 CSR 91 Axle Counter area CSR 34
	42 33 *		
	43 16 * 43 23 *		
Fratton East	43 33		
	43 41 *		① PLOD at 43m 47ch Down Main - Fratton to Blackfriars Jn Up and Down Fratton - Fratton to Blackfriars Jn ② PLOD at 43m 49ch Up Main - Fratton to Blackfriars ③ PLOD at 43m 70ch Back Road - Fratton Depot to Fratton Bridge (HT552 ground signal) ④ PLOD at 44m 04ch Back Road - Fratton to Fratton Bridge (HT552 ground signal) ⑤ PLOD at 44m 04ch Back Road - Holbrook Road Bridge (HT552 ground signal) to Blackfriars Jn ⑥ PLOD repeater instruments
FRATTON Fratton Depot Ground Frame	43 64 43 67 Ⓢ		
	43 77 *		
	44 13 *		1 Up Main 2 Down Main 3 Up & Down Fratton 4 No.1 Reception 5 Back Road

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	018	Three Bridges to Portsmouth Harbour	WPH2 PAS	Kent / Sussex	02/02/2013

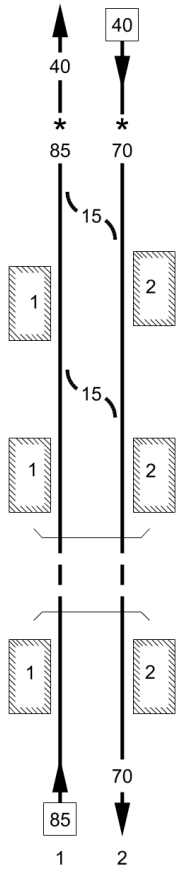
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Blackfriars Jn	44 24 *		TCB Havant SB (HT) RA8 DC: Eastleigh GSM-R CSR 34 Axle Counter area RA8 Blackfriars Jn to Portsmouth & Southsea Low Level RA7 Blackfriars Jn to Portsmouth Harbour Platforms 4 & 5 ① PLOD at 44m 18ch Down Main - Fratton to Blackfriars Jn Down Main - Blackfriars Jn ② PLOD at 44m 22ch Up and Down Fratton - Fratton to Blackfriars Jn Up and Down Main - Blackfriars Jn ③ PLOD at 44m 25ch Up Main - Fratton to Blackfriars Jn Up Main - Blackfriars Jn ④ PLOD at 44m 29ch Back Road - Blackfriars Jn to Holbrook Road Bridge (HT552 ground signal) ⑤ PLOD at 44m 32ch Up Main - Blackfriars Jn ⑥ PLOD at 44m 29ch Up and Down - Blackfriars Jn Down Main - Blackfriars Jn Platforms 3 & 4 PP 1 Up Main 2 Up & Down Fratton 3 Down Main 4 Back Road
	44 26		
	44 28 *		
	44 29 *		
	44 39 *		
PORTSMOUTH & **SOUTHSEA**	44 50		
	44 57 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO520	019	Three Bridges to Portsmouth Harbour	WPH2	Kent / Sussex	02/02/2013

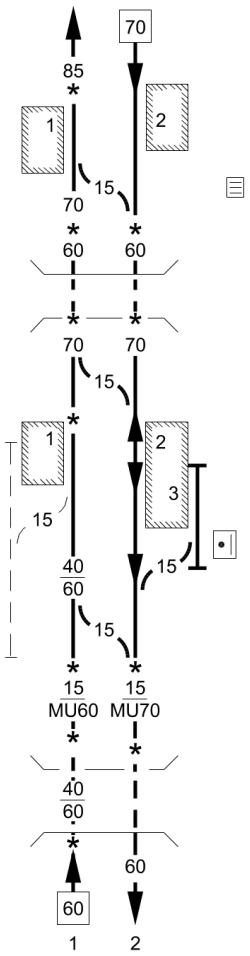
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Havant SB (HT) RA7 DC: Eastleigh GSM-R CSR 34 Axle Counter area
	45 05 * 45 07 *		
	45 16 *		
	45 22 *		RA4 Platforms 1 & 3 from bottom of platform ramp 45m 22ch to the buffers at 45m 36ch
PORTSMOUTH HARBOUR	45 36		Platforms 1 - 5 PP 1 Up Main 2 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO530	001	South Croydon to East Grinstead	SCU1	Kent / Sussex	04/09/2021

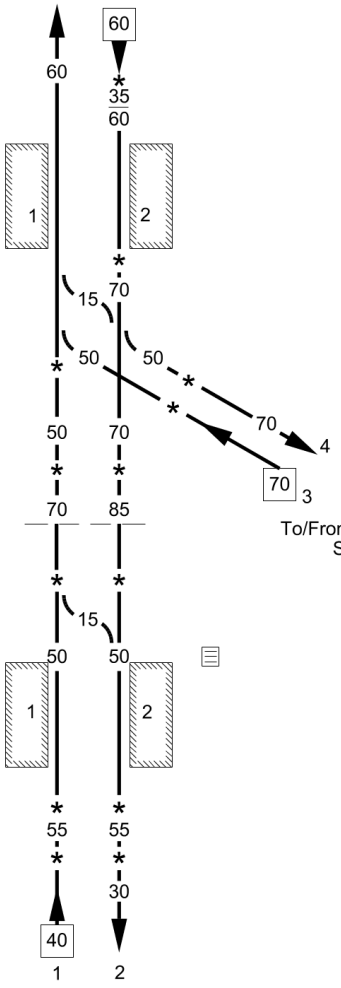
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN SOUTH CROYDON AND WOLDINGHAM - 70 MPH ON DOWN LINE / 85MPH ON UP LINE WOLDINGHAM AND HURST GREEN JN - 70 MPH HURST GREEN JN AND EAST GRINSTEAD - 85 MPH ON DOWN LINE / 70 MPH ON UP LINE	GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
		To/From South Croydon SO500 seq 10	
(South Croydon Jn)	(11 29)		
(South Croydon Substation)	(11 40)		
	11 45 *		
Selsdon Road Jn	11 59		
SANDERSTEAD	12 23		
Change of RA (RA8 to RA6)	12 40		RA6 Up Fast Grinstead Down Fast Grinstead
RIDDLESDOWN	13 38		
Riddlesdown TP Hut	13 38		
Riddlesdown Tunnel (837 yards)	13 48	T	F.W.S. Down and Up lines through tunnel.
	to		
	14 06	T	
	14 55		
UPPER WARLINGHAM	15 33		
Upper Warlingham Substation	15 71		
			1 Up East Grinstead 2 Down East Grinstead



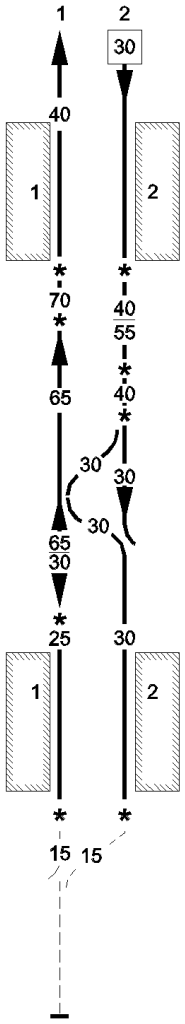
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO530	002	South Croydon to East Grinstead	SCU1	Kent / Sussex	02/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Oxted SB (OD) RA6 DC: Brighton
	17 05 *		
WOLDINGHAM	17 15		
Woldingham Ground Frame			
	17 50 *		F.W.S. Down and Up lines through tunnel.
Oxted Tunnel (1m 501 yards)	17 66 to 19 08 *	T T	
Oxted Substation	19 38 20 07		
	20 15 *		
OXTED	20 25		Platform 1 PP-A Platform 2 PP-A (detaching only) Platform 3 PP-A
Oxted SB (OD)	20 31		
	20 40 *		
	20 48 *		
	20 56 *		
Limpsfield Tunnel (565 yards)	20 58 to 21 03	T	F.W.S. down and up lines through tunnel.
	21 05 *	T	
			1 Up East Grinstead 2 Down East Grinstead

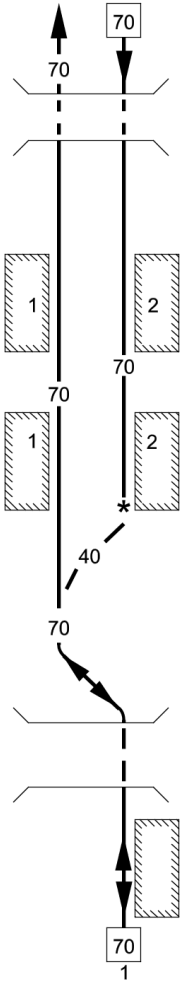
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO530	003	South Croydon to East Grinstead	SCU1 HGG1	Kent / Sussex	04/09/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	21 10 *		GSM-R TCB Oxted SB (OD) RA6 DC: Brighton
HURST GREEN	21 20		
	21 30 *		
Hurst Green TP Hut	21 35		
Hurst Green Jn	21 35		RA 6 Up East Grinstead and Down East Grinstead
	21 55 *		
	(21 45) *		
	22 24 *		
Sunt Farm No 1 Crossing	23 23	T	To/From Edenbridge Town SO540 seq 1
Eden Substation	23 47		
Lingfield TP Hut	25 42		
	26 11 *		
Lingfield Ground Frame			
LINGFIELD	26 23		
	26 60 *		
	27 54 *		
			1 Up East Grinstead 2 Down East Grinstead 3 Up Uckfield 4 Down Uckfield

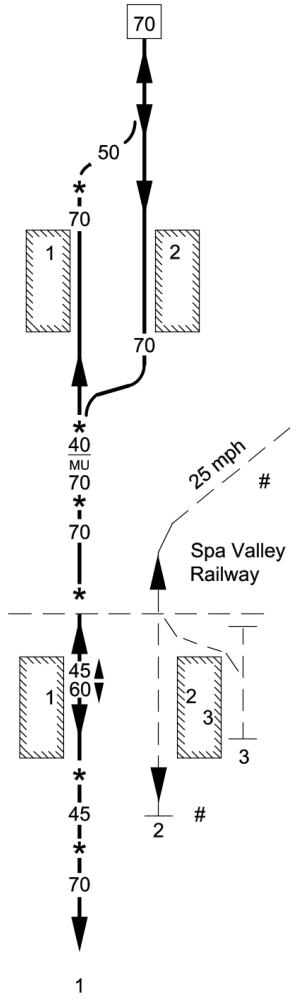
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO530	004	South Croydon to East Grinstead	HGG1	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Oxted SB (OD) RA6 DC: Brighton GSM-R
Dormans Substation	27 59		
DORMANS	27 62		
	27 69 *		
	28 60 *		
	29 53 *		
	29 60 *		
	29 63		
East Grinstead TP Hut	29 67		
	29 74 *		
EAST GRINSTEAD	30 04		Platform 1-2 PP
	30 10 *		
	30 12 *		1 Up East Grinstead 2 Down East Grinstead

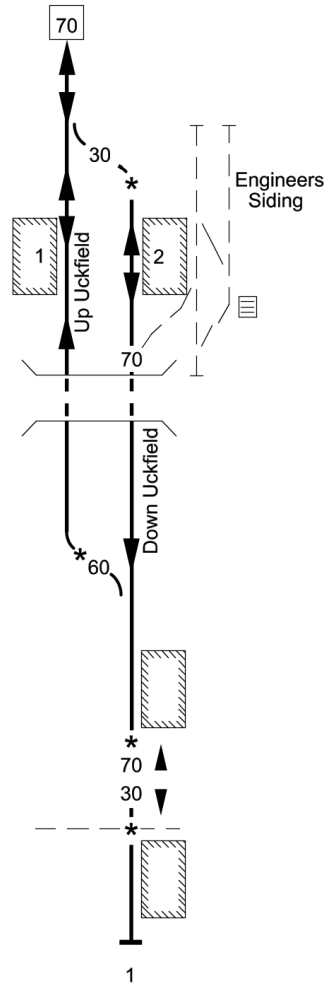
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO540	001	Hurst Green Jn to Uckfield	SCU1	Kent / Sussex	27/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Hurst Green Jn)	(21 35)	MAXIMUM PERMISSABLE SPEED - 70MPH To/From Hurst Green SO530 seq 3	GSM-R TCB Oxted SB (OD) RA6
	24 09		
Edenbridge Tunnel (319 yards)	24 10 to 24 24		
EDENBRIDGE TOWN	25 47		
HEVER	27 27		
	27 35 *		
Hever Jn	27 42 27 44		
Mark Beech Tunnel (1341 yards)	28 26 to 29 07		
COWDEN	29 26		1 Uckfield Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO540	002	Hurst Green Jn to Uckfield	SCU1	Kent / Sussex	27/01/2018

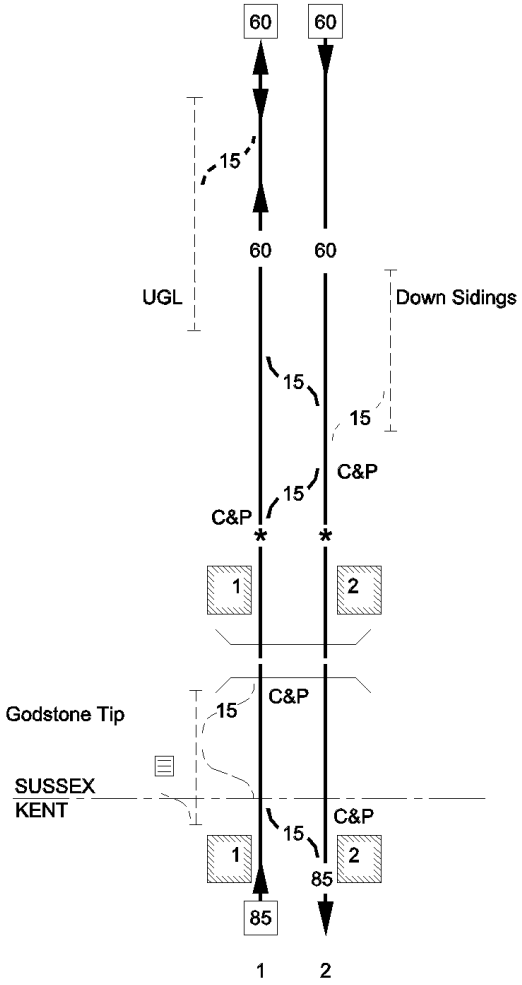
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Oxted SB (OD) RA6
Blackham Jn	31 14		# Spa Valley Railway operating over the former Down Line between Birchden Jn (34m 56ch) and Eridge Station (35m 53ch)
	31 24 *		
	31 30 *		
ASHURST	32 08		
	33 33		
Ashurst Jn	33 56		
	33 64 *		
	33 66 *		
	34 28		
Birchden Jn	34 56		
	34 58 *		
Forge Farm Xing (MSL)	34 71	T	
ERIDGE	35 53		
	35 57 *		
Buffer Stop	35 68		
	35 78 *		
			1 Uckfield Single 2 Tunbridge Wells Line 3 Down Bay

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO540	003	Hurst Green Jn to Uckfield	SCU1	Kent / Sussex	27/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Oxted SB (OD) RA6
	37 15		
Crowborough Jn	38 73		
	39 00 *		
CROWBOROUGH	39 11		
Crowborough Ground Frame			
Crowborough Tunnel (1022 yards)	39 61 to 40 27		
	41 20		
	42 50 *		
Greenhurst Jn	42 53		
BUXTED	43 68		
	45 01 *		
Hempstead Crossing	45 13 *	T	
UCKFIELD	46 08		1 Uckfield Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO550	001	Redhill to Tonbridge	RTT	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 85 MPH To/From Redhill SO500 seq 14	GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
(REDHILL)	(22 40)		Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route.
	23 40 *		
Bowerhill Lane Substation	24 21		
NUTFIELD	24 47		
Henshaw TP Hut	25 53	T	
Bletchingley Tunnel (1327 yards)	26 25 to 27 05	T	
Bletchingley Tunnel Substation	27 06		
Godstone Ground Frame	27 30		
Route Boundary	28 09		
GODSTONE	28 13		
Godstone TP Hut	28 20		
Dodds Copice Substation	29 42		
Crowhurst Jn TP Hut	30 60		
Littlebrowns Substation	32 03		

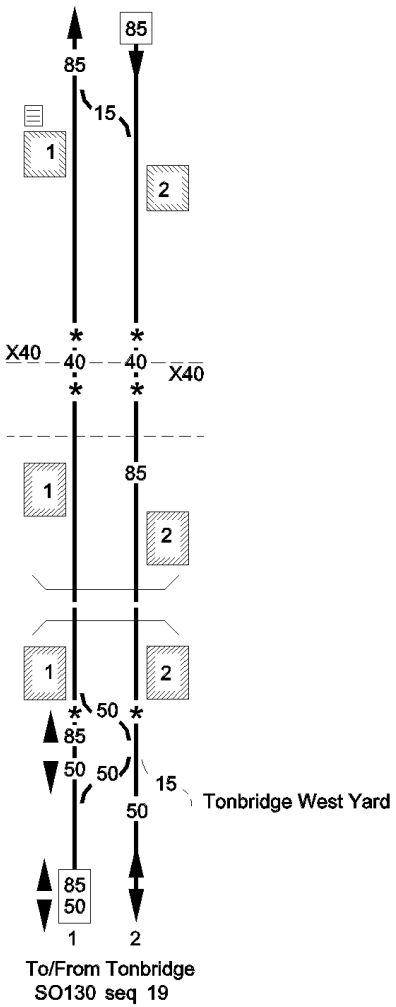


UGL = 55

1 Up Tonbridge
2 Down Tonbridge

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO550	002	Redhill to Tonbridge	RTT	Kent / Sussex	02/05/2015

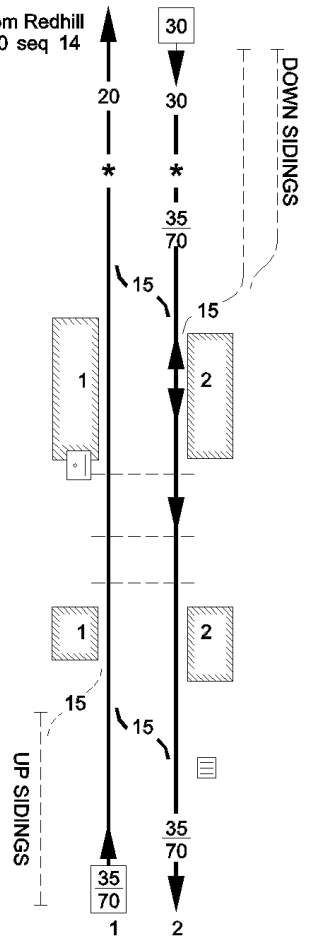
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Edenbridge Ground Frame			TCB Ashford SB (AD) RA8 DC:Brighton GSM-R
EDENBRIDGE	33 03	Ⓢ	
Edenbridge TP Hut	33 23	T	
	34 27 *		
Medhurst Row Crossing (R/G - X)	34 28	T	
	34 29 *		
Medhurst Row Substation	34 41		
Brasted Lands Crossing	35 38	T	
Bough Beech TP Hut	35 59		
Chiddingstone Substation	37 00		
PENSHURST	38 03		
Penshurst TP Hut	38 11	T	
Penshurst Tunnel (78 yards)	38 13 to 38 17		
Leigh Substation	39 39	T	
LEIGH	39 56		
Haysden TP Hut	40 74		
	41 27 *		DC:Paddock Wood
(TONBRIDGE)	(42 16)		



1 Up Godstone
2 Down Godstone

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO560	001	Redhill to Guildford	RSJ	Kent / Sussex	20/12/2014

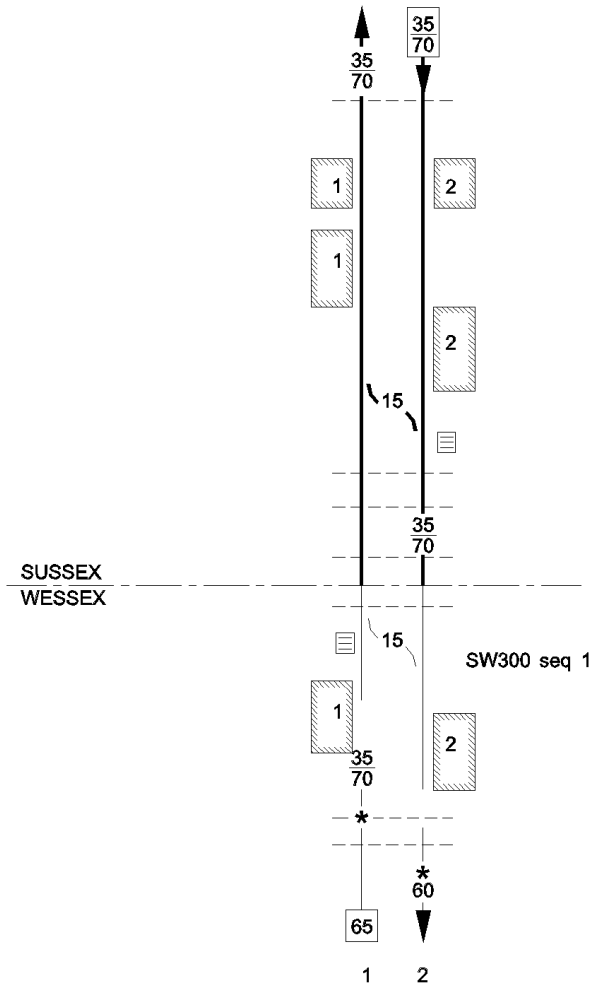
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN REDHILL AND SHALFORD JN - 35/70 MPH SHALFORD JN AND GUILDFORD - 90 MPH	GSM-R TCB Reigate SB (RG) RA8 DC:Brighton ECR
(REDHILL)	(22 40)	To/From Redhill SO500 seq 14	
Redhill Feeder Hut	22 68		
	22 72 *		
REIGATE	24 27		
Reigate SB (RG) Reigate LC	24 31 24 31		TCB Reigate SB (RG) RA8
Buckland LC (AHBC)	26 49	T	
Betchworth LC (CCTV)	27 14		
BETCHWORTH	27 17		
Betchworth Ground Frame	27 21		



1 Up Reading
2 Down Reading

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO560	002	Redhill to Guildford	RSJ	Kent / Sussex	20/12/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Brockham LC (AHBC)	28 08	T	TCB Reigate SB (RG) RA8 GSM-R
DORKING (DEEPDENE)	29 65		
DORKING WEST	30 42		
Dorking West Ground Frame	30 50	S	
Milton Court Crossing	31 30		
Little Bullsdown Crossing	31 51		
Coombe Lane Crossing	32 24	T	
Route Boundary	33 10		
Hackhurst Lane BW	34 57		
Gomshall Ground Frame	35 11	S	
GOMSHALL	35 21		
Gomshall Station F/P	35 21		
Burrows Lane LC (AHBC)	35 60 *		
Shere Heath LC	36 51	T	
	36 60 *		



1 Up Reading
2 Down Reading

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO560	003	Redhill to Guildford	RSJ	Kent / Sussex	01/05/10

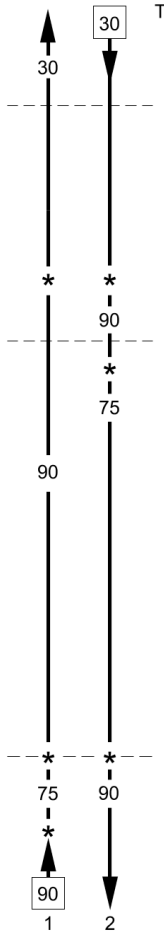
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		This Table A diagram has been withdrawn	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO560	004	Redhill to Guildford	WPH1	Kent / Sussex	01/05/10

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		This Table A diagram has been withdrawn	

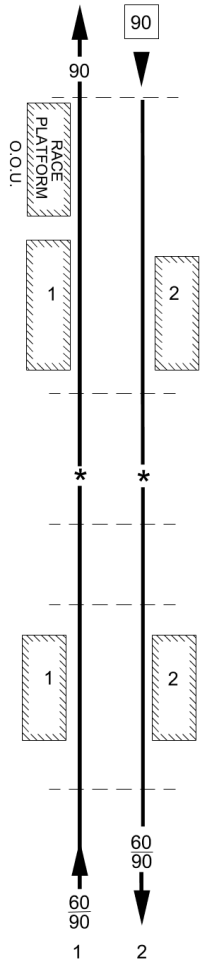
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	001	Keymer Jn to Eastbourne	KJE1	Kent / Sussex	02/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 90 MPH	GSM-R TCB Three Bridges SB (T) RA8 DC:Brighton
(Keymer Jn)	(40 69)	To/From Wivelsfield SO500 seq 22	
Keymer LC (CCTV)	41 00		
	41 20 *		
One Oclock FPG	41 45	T	
	42 14 *		
Ditchling TP Hut	42 57		
Spatham Lane LC (AHBC)	42 76 *	T	
	43 55 *		1 Up Lewes 2 Down Lewes

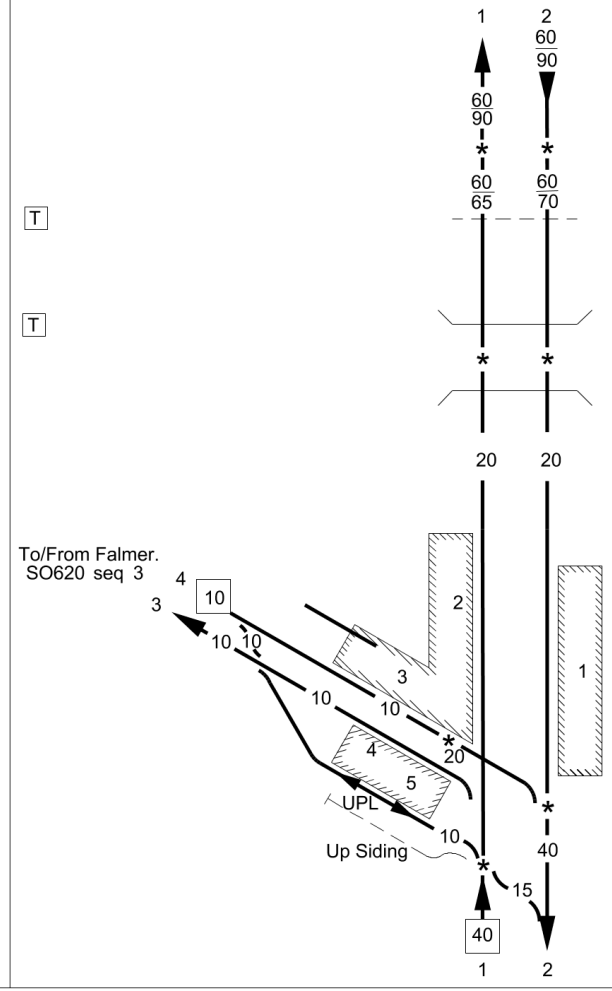


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	002	Keymer Jn to Eastbourne	KJE1	Kent / Sussex	07/12/2019

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R
				TCB Three Bridges SB (T) RA8 DC:Brighton
Ridden's Lane Crossing	44	23	T	
Plumpton Substation	44	39		
PLUMPTON	44	42		
Plumpton LC (MCB-OD)	44	46		
	45	51 *		
East Chiltington Crossing	45	52	T	
Chiltington TP Hut	45	70		
Kemps Farm Crossing	46	08	T	
Cooksbridge Substation	47	23		TCB Three Bridges ROC Lewes W/S (TLW)
COOKSBRIDGE	47	31		
Cooksbridge LC (CCTV)	47	35		
				1 Up Lewes 2 Down Lewes

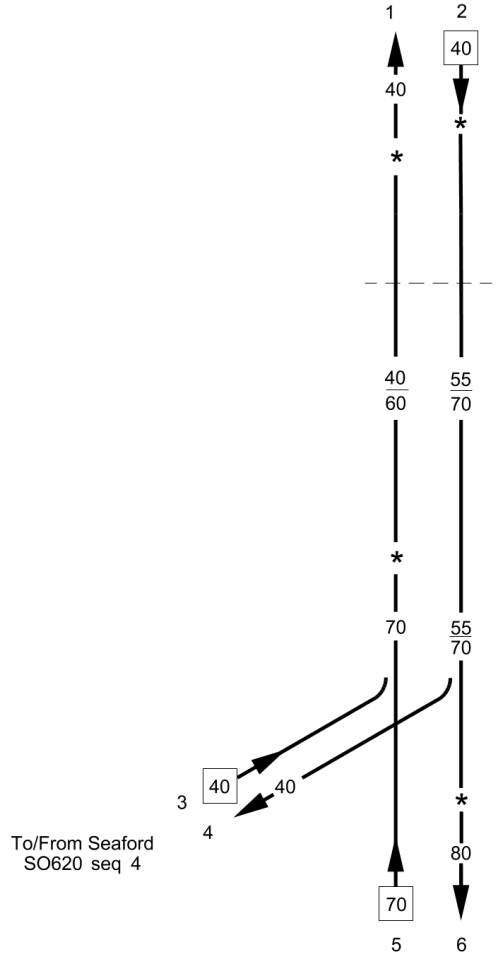


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	003	Keymer Jn to Eastbourne	KJE1 BTL	Kent / Sussex	07/12/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	47 40 *		GSM-R TCB RA8 DC:Brighton TCB Three Bridges ROC Lewes W/S (TLW)
Hamsey LC (AHBC) Offham TP Hut	48 12 48 50	T	
Lewes Tunnel (395 yards)	49 49 49 60 * 49 67	T	Note:- Indicators positioned at Cooksbridge end of tunnel
LEWES	49 74		Platform 1 PP-A (detaching only) Platform 2 PP-A Also permitted for platform sharing during times of significant service interuptions Platform 3 PP-A (detaching only) Platform 4 PP-A Also permitted for platform sharing during times of significant service interuptions Platform 5 PP-A Also permitted for platform sharing during times of significant service interuptions
Lewes Substation	50 01		
*	(778 *)		UPL 17 (Down), 26 (Up)
	50 04 *		
	50 08 *		1 Up Lewes 2 Down Lewes 3 Up East Branch 4 Down East Branch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	004	Keymer Jn to Eastbourne	KJE2	Kent / Sussex	07/12/2019

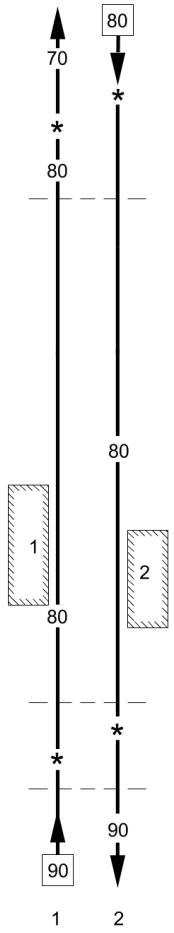
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	50 44 *		GSM-R
	50 47 *		TCB RA8 DC:Brighton Three Bridges ROC Lewes W/S (TLW)
Southerham Crossing	50 69	T	
	51 00 *		
Southerham Jn	(51 11)		
	9 14		
Southerham T.P. Hut	9 20		
	9 38 *		



1 Up Lewes
2 Down Lewes
3 Up Seaford
4 Down Seaford
5 Up Eastbourne
6 Down Eastbourne

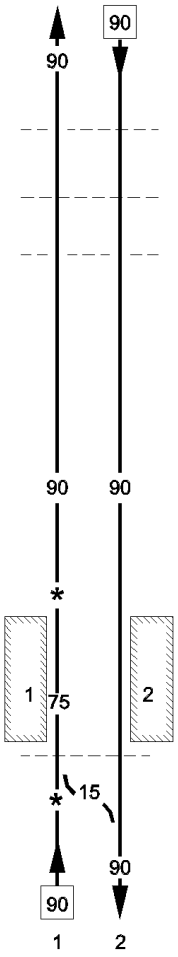
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	005	Keymer Jn to Eastbourne	KJE3	Kent / Sussex	07/12/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	9 38		GSM-R
	9 47 *		TCB RA8 DC:Brighton Three Bridges ROC Lewes W/S (TLW)
			TCB Three Bridges ROC East Sussex W/S TEB
Cow Crossing	9 79	T	Axle Counter area Down Eastbourne Entry 09m 69ch Up Eastbourne Exit 11m 01ch
		T	
Glynde Substation	11 06		
GLYNDE	11 14		
Loover Barn Crossing	11 62	T	
	12 21 *		
	12 27 *		
Lower Barn No 1 Crossing	12 42	T	



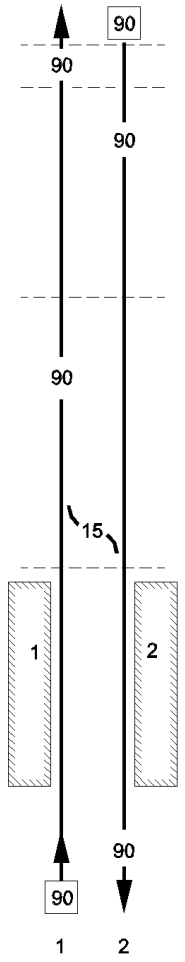
1 Up Eastbourne
2 Down Eastbourne

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	006	Keymer Jn to Eastbourne	KJE3	Kent / Sussex	16/02/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Firle TP Hut	12 74		Axle Counter Area TCB Three Bridges ROC East Sussex W/S (TEB) RA8 DC:Brighton GSM-R
Ripe LC (AHBC)	13 25	T	
Firle Crossing	13 56	T	Level Crossing in this area:-
Selmeston LC (AHBC)	14 58	T	Endlewick F/P 16m 49ch
Selmeston Substation	14 62		
	15 40 *		
BERWICK	15 50		
Berwick (MCB-OD)	15 55		
	15 64 *		
Berwick TP Hut	16 37		1 Up Eastbourne 2 Down Eastbourne

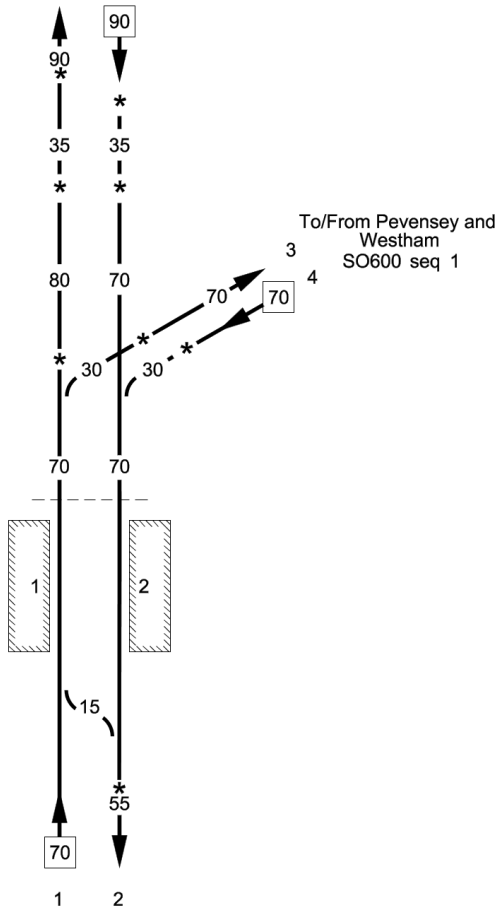
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	007	Keymer Jn to Eastbourne	KJE3	Kent / Sussex	16/02/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Wilmington Green F/P	17 03		Axle Counter Areas TCB RA8 Three Bridges ROC East Sussex W/S (TEB) DC:Brighton GSM-R
Wilmington LC (AHBC)	17 29	T	
Folkington Substation	18 23		Other Level Crossing in this area:- Milton Street F/P 17m 14ch
Dukes Crossing	18 72	T	
Polegate Crossing (MCB-OD)	19 35		
POLEGATE	19 42		

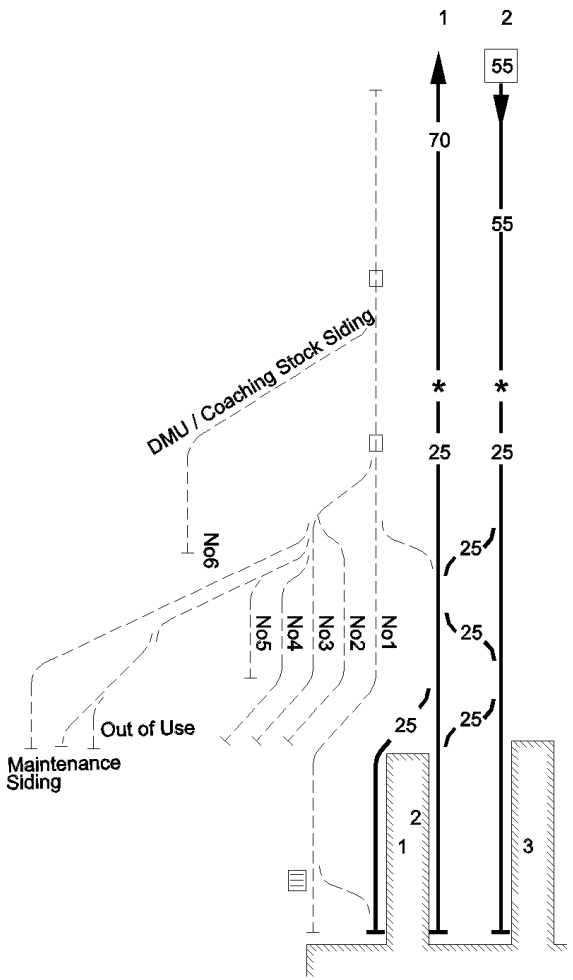


1 Up Eastbourne
2 Down Eastbourne

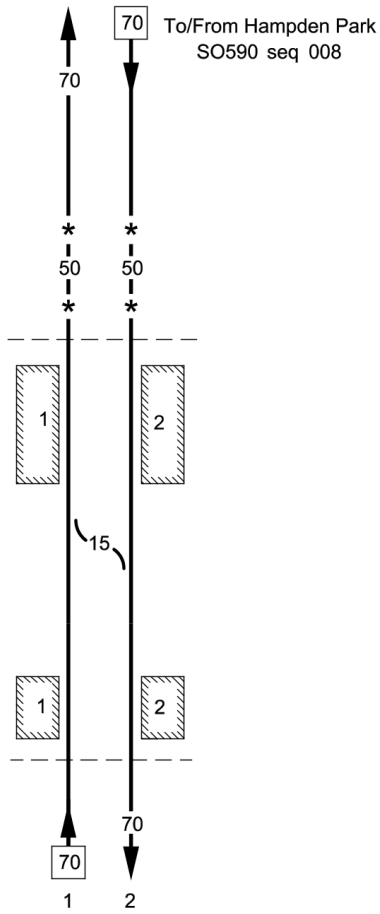
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	008	Keymer Jn to Eastbourne	KJE3	Kent / Sussex	16/03/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			Axle Counter Area TCB RA8 Three Bridges ROC East Sussex W/S (TEB) DC:Brighton GSM-R
	19 59 *		
	19 65 *		
Polegate East TP Hut	19 71		
	20 00 *		
	20 03		
	(20 45) *		
	21 37 *		
Willingdon Jn	21 39		
	(20 36)		
Willingdon Jn Substation	21 42		
Hampden Park LC (CCTV)	21 71		Other Crossings also in this area:- Vine No.2 Accomodation 20m 30ch Willingdon Trees F/P 20m 73ch
HAMPDEN PARK	21 75		
	22 76 *		1 Up Eastbourne 2 Down Eastbourne 3 Down Bexhill 4 Up Bexhill

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO590	009	Keymer Jn to Eastbourne	KJE3	Kent / Sussex	16/02/2015

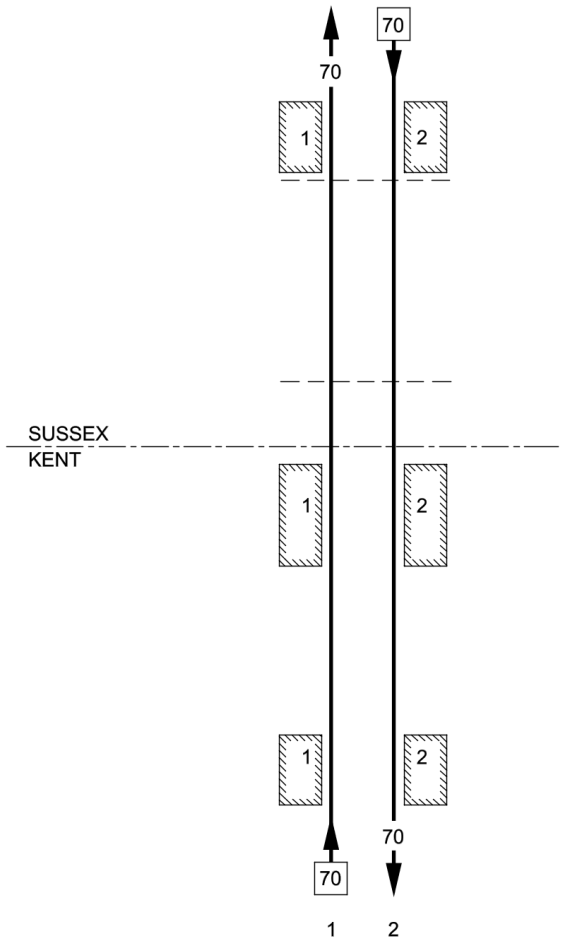
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			Axle Counter Area TCB Three Bridges ROC East Sussex W/S (TEB) RA8 DC:Brighton GSM-R
Eastbourne Substation	23 12	T	
		T	
	23 45 *		Axle Counter Area Down Eastbourne Exit 22m 63ch Up Eastbourne Entry 22m 63ch
EASTBOURNE Eastbourne Ground Frame	23 73	T S	Platform 1-3 PP 1 Up Eastbourne 2 Down Eastbourne

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	001	Willingdon Jn to Ashford	WJB	Kent / Sussex	18/08/2018

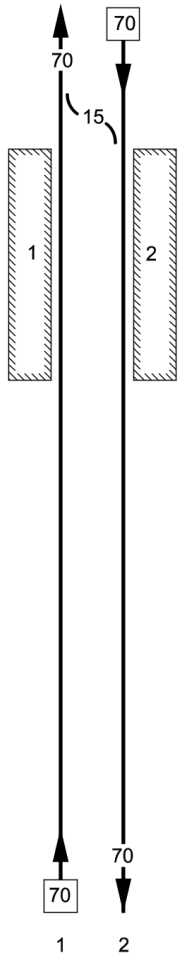
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN WILLINGDON JN AND HASTINGS - 70 MPH HASTINGS AND ASHFORD - 60 MPH	TCB Three Bridges ROC East Sussex W/S (TEB) RA8 DC:Brighton Axle Counter Area GSM-R
(Willingdon Jn)	(20 36) (21 39)		Down Bexhill Entry 20m 36ch Up Bexhill Exit 20m 36ch continues on SO590 seq 008
	21 39 *		
Stone Cross TP Hut	21 41		
	21 46 *		
Pevensey (MCB-OD)	23 01		
PEVENSEY & WESTHAM	23 07		
Pevensey Substation	23 16		
PEVENSEY BAY	23 68		
Wallsend LC (MCB-OD)	23 72		
Hooe Level TP Hut	24 75		1 Up Bexhill 2 Down Bexhill

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	002	Willingdon Jn to Ashford	WJB	Kent / Sussex	18/08/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Three Bridges ROC East Sussex W/S (TEB) DC:Brighton RA8 Axle Counter Area GSM-R
NORMANS BAY	25 77		
Havensmouth CCTV	26 00		
Normans Bay Substation	26 56		
Pevensey Sluice LC (AHBC)	26 59	T	
Route Boundary	27 06	SUSSEX / KENT	
COODEN BEACH	27 53		
Cooden Halt TP Hut	28 20		
COLLINGTON	29 04		
			1 Up Bexhill 2 Down Bexhill

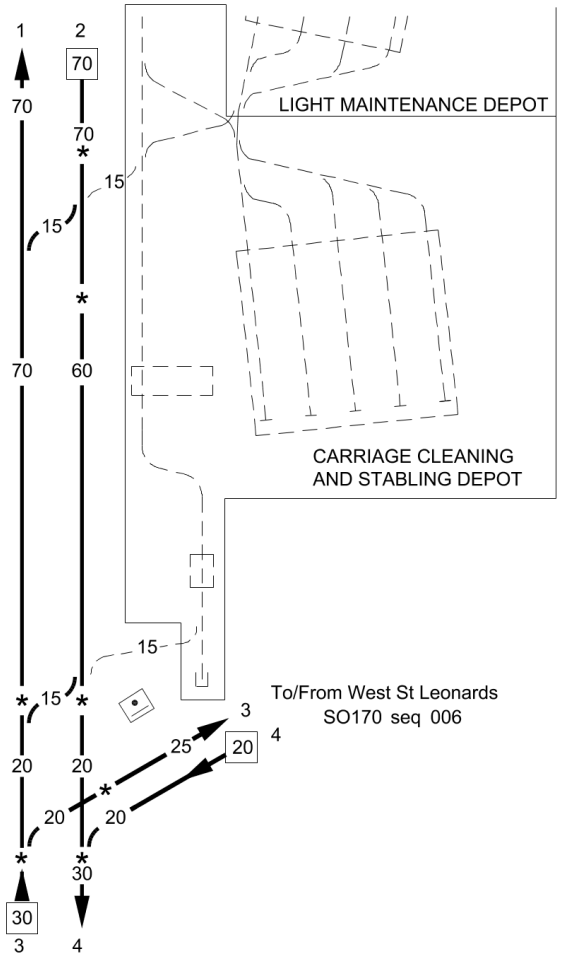


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	003	Willingdon Jn to Ashford	WJB	Kent / Sussex	18/08/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			Three Bridges ROC East Sussex W/S (TEB) RA8 DC:Brighton Axle Counter Area GSM-R
Bexhill Substation	29 61		
BEXHILL	29 69		
			Axle Counter Area Down Bexhill Exit 31m 01ch
	31 14		
Bexhill East TP Hut	31 23		
			1 Up Bexhill 2 Down Bexhill

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	004	Willingdon Jn to Ashford	WJB	Kent / Sussex	18/08/2018

Location	Mileage M Ch
Connection to St Leonards LMD	32 17 *
	32 21
	32 40 *
Bo Peep Jn Substation	32 71
Bo Peep Jn SB (BJ)	32 72 *
Bo Peep Jn	32 76
	60 69 *



GSM-R

TCB Bo Peep Jn (BJ)
RA8 DC:Paddock Wood

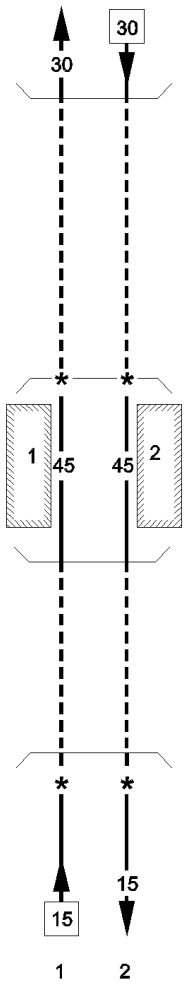
Axle Counter Area
Up Bexhill Entry 32m 16ch

RA8 All lines

1 Up Bexhill
2 Down Bexhill
3 Up Hastings
4 Down Hastings

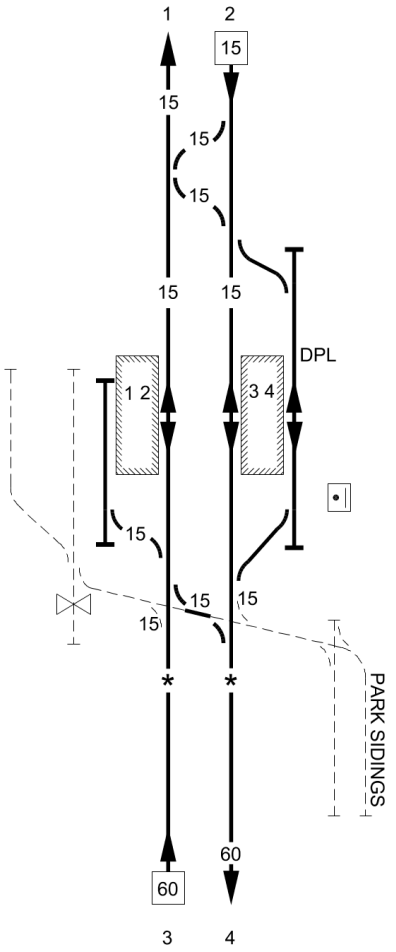
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	005	Willingdon Jn to Ashford	TTH	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			TCB Hastings SB (EDL) RA8 DC:Paddock Wood
Bo Peep Tunnel (1318 yards)	60 71	T	
			AB Bo Peep Jn (BJ) For Up line only
	to		
	61 51 *		
ST LEONARDS WARRIOR SQUARE	61 55		
Hastings Tunnel (788 yards)	61 59		
	to		
	62 15		
	62 16 *		
			1 Up Hastings 2 Down Hastings



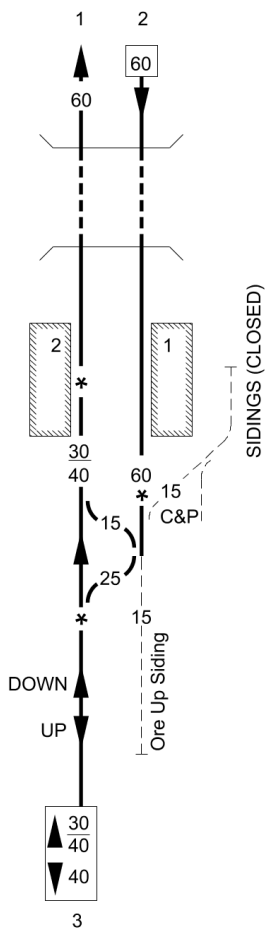
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	006	Willingdon Jn to Ashford	TTH ATH	Kent / Sussex	16/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Hastings TP Hut	62 19	T	GSM-R AB Hastings SB (EDL) RA8 DC:Paddock Wood
HASTINGS	62 33 82 34		DPL 35 Platforms 1-4 PP (ECS only) RA7
Hastings SB (EDL)	82 26		
	82 18 *		



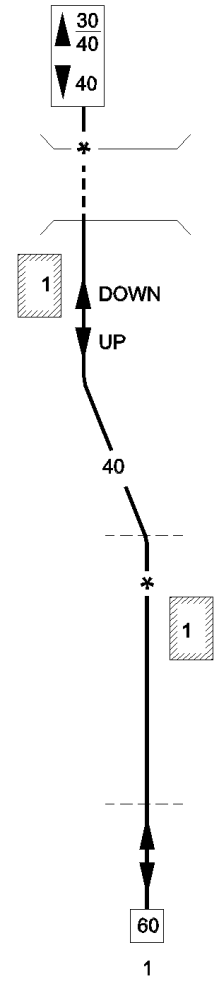
1 Up Hastings
2 Down Hastings
3 Down Ore
4 Up Ore

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	007	Willingdon Jn to Ashford	ATH	Kent / Sussex	11/04/2020

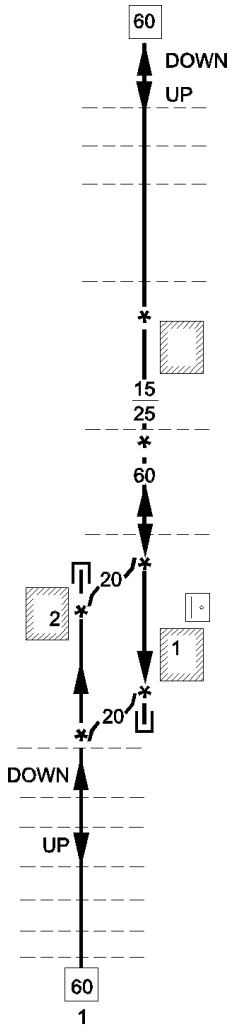
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Mount Pleasant Tunnel (230 yards)	81 60 to 81 50		GSM-R TCB Hastings SB (EDL) RA7 DC:Paddock Wood
ORE	81 42 *		
Ore Substation	81 31		
	81 30 *		
Ore Up Siding	81 28 *		TB Not Electrified

1 Down Ore
2 Up Ore
3 Rye Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	008	Willingdon Jn to Ashford	ATH	Kent / Sussex	02/05/2015

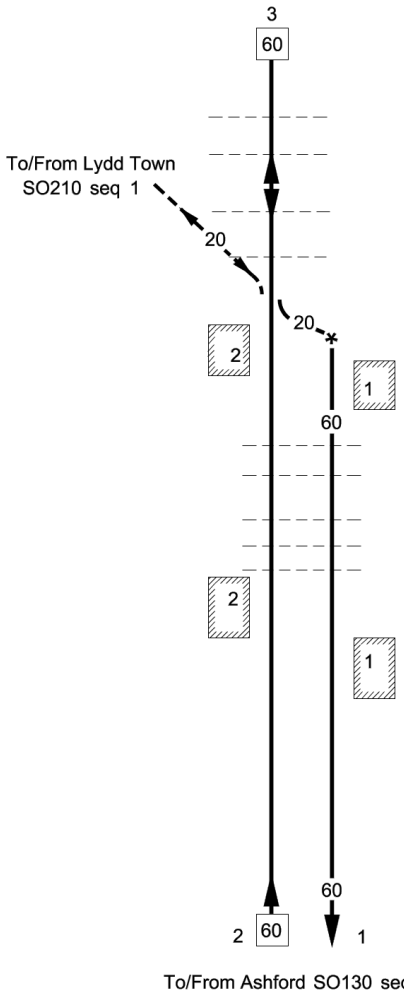
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TB Hastings SB (EDL) RA7 Not Electrified
Ore Tunnel (1402 yards)	81 10 * to 80 26		
THREE OAKS	78 65		Rye SB (RY)
Doleham Crossing	77 60		
	77 45 *		
DOLEHAM	77 43		
	77 08		
Coopers Crossing	76 47	T	
			1 Rye Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	009	Willingdon Jn to Ashford	ATH	Kent / Sussex	02/05/2015

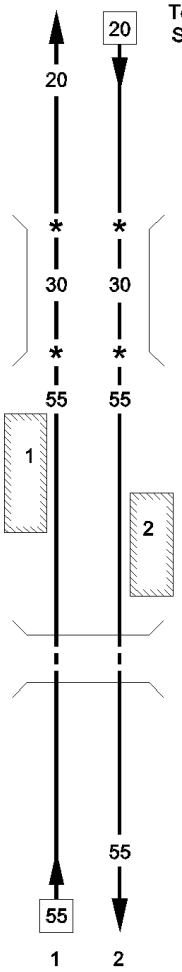
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TB Rye SB (RY) RA7
Snailham (Accom)	75	71	T		
Merrick No.3 (Accom)	75	44	T		
Merrick No.2 (Accom)	75	21	T		Other UWC in this area:-
Mair No.2 (Accom)	73	73	T		Middle Salts (F/P) 71m 05ch Mill Bridge No.1 (F/P) 71m 53ch Mill Bridge No.2 (F/P) 71m 54ch Selmes (Accom) 72m 17ch Cadborough Farm (Accom) 72m 44ch Channel Bridge (F/P) 74m 35ch Jury's No.1 (F/P) 74m 40ch Corke (Accom) 74m 52ch
	73	24			
WINCHELSEA	73	22			
Winchelsea LC (AOCL + B)	73	16			
	73	08	*		
Ferry Road LC (CCTV)	71	46			
	71	42	*		
	71	40	*		
RYE	71	36			
Rye SB (RY)	71	34			
	71	31	*		
	71	29	*		
Grove Road LC (CCTV)	71	24			
Cookes (Accom)	70	39	T		
East Guldeford LC (AHBC)	70	19			
Pear Tree (Accom)	69	77	T		
Star LC (AHBC)	69	40			
Bakers (Accom)	69	33	T		
Dartnall (Accom)	69	29	T		

1 Rye Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO600	010	Willingdon Jn to Ashford	ATH	Kent / Sussex	06/07/2024

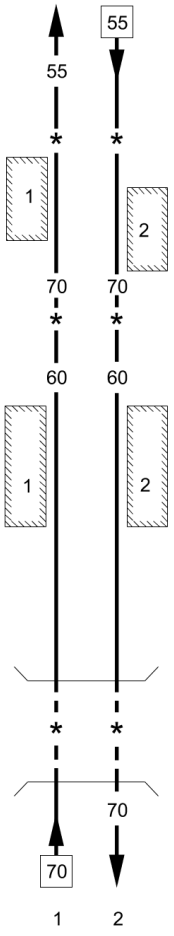
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R
				TB Rye SB (RY) RA7
Barts (Accom)	68	77		
Becketts LC (AHBC)	66	47		TB Ashford IECC (AD)
Fleet UWC (T)	65	11		
Wilsons (UWC) (T)	64	70		
				TCB
	64	53 *		
APPLEDORE	64	50		
				Other crossings in this area:-
Appledore LC (AHBC)	64	45		Ashford UDC1 Accom 56m 77ch
Kenardington LC (AHBC)	63	73		East Stour F/P 57m 58ch
Goodmans UWC (T)	62	78		Steeds Lane Accom 58m 77ch
Warehorne LC (AHBC)	62	60		Golden Wood F/P 59m 35ch
Moores UWC (T)	62	28		Hardings Bridge Accom 59m 70ch
				Packing Wood F/P 61m 35ch
				Ham Street F/P 61m 51ch
HAM STREET	61	51		Bodys Accom 65m 23ch
				Waterhouse F/P 65m 36ch
				Cats Tail Accom 65m 76ch
				Swallow Tail Bridge Accom 66m 20ch
				Becketts F/P 67m 07ch
				Willow House Accom 67m 61ch
(Junction at Ashford)	(56	20)		1 Up Hastings 2 Down Hastings 3 Rye Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO620	001	Brighton to Seaford	BTL	Kent / Sussex	02/05/2015

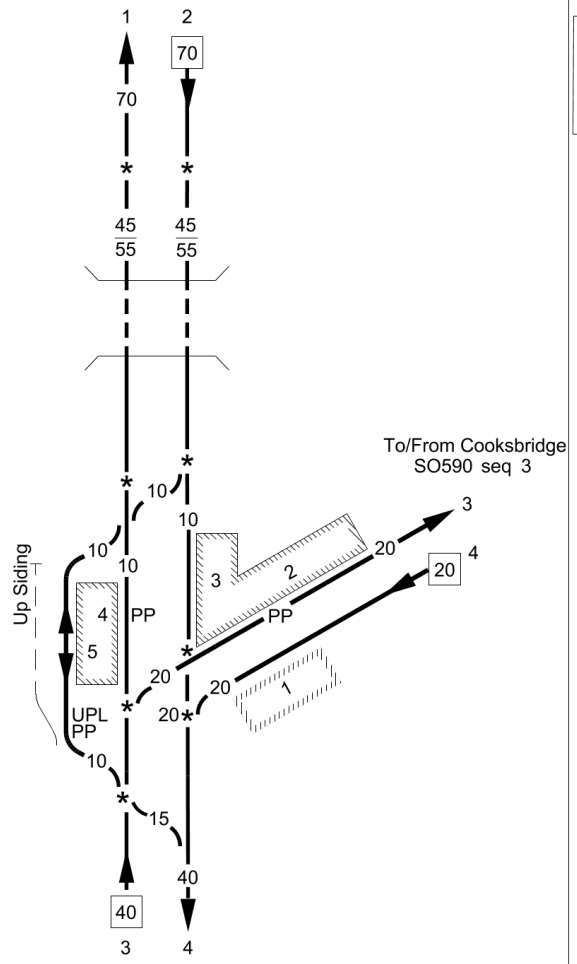
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Montpelier Jn)	(00 13)	MAXIMUM PERMISSIBLE SPEED - 70 MPH	GSM-R
London Road Viaduct	00 26 * to 00 44 *		TCB Three Bridges SB (T) RA8 DC:Brighton
LONDON ROAD	00 57		
Ditching Road Tunnel (63 yards)	00 63 to 00 66		

1 Up East branch
2 Down East branch

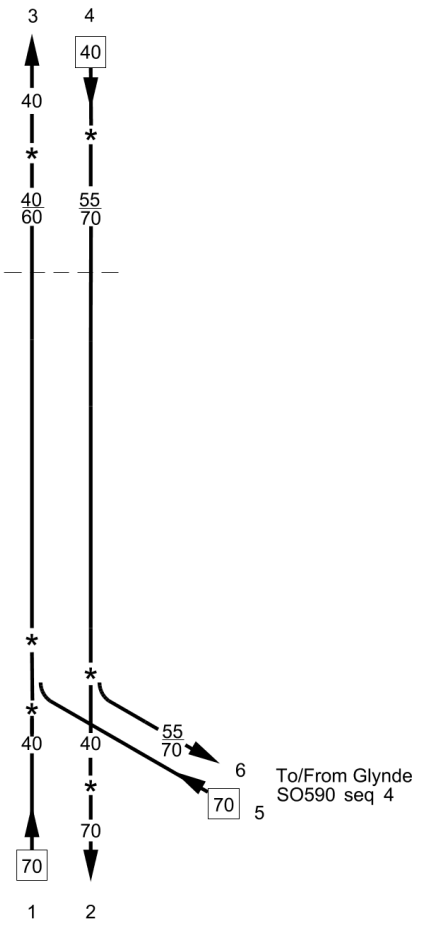
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO620	002	Brighton to Seaford	BTL	Kent / Sussex	07/12/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC:Brighton
	1 40 *		
MOULSECOOMB	1 65		
	1 68		
Roedale TP Hut	2 19		
	3 04 *		
FALMER	3 39		Three Bridges ROC Lewes W/S (TLW)
Falmer Tunnel (490 yards)	3 62		Speed indicator for up line positioned at Lewes end of tunnel.
	3 66 *		
	4 05		
Falmer Substation	4 20		
			1 Up East branch 2 Down East branch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO620	003	Brighton to Seaford	BTL KJE2	Kent / Sussex	07/12/2019

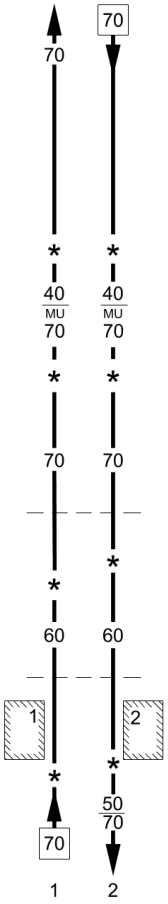
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ashcombe TP Hut	6 10		GSM-R
	6 57 *		TCB RA8 DC: Brighton Three Bridges ROC Lewes W/S (TLW)
			Permissive working authorised on UPL (up direction only), up branch and up Lewes platform lines.
Kingston Tunnel (107 yards)	7 13 to 7 18		
	7 70 *		
	7 71 *		
LEWES	7 77		
	(49 74)		
	7 78 *		
Lewes Substation	8 01		
	(50 01)		
	50 04 *		UPL 17 (down), 26 (up)
	50 08 *		
			1 Up East Branch 2 Down East Branch 3 Up Lewes 4 Down Lewes

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO620	004	Brighton to Seaford	KJE2 STS	Kent / Sussex	07/12/2019

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB RA8 DC: Brighton Three Bridges ROC Lewes WS (TLW)
	50	44	*		
	50	47	*		
Southerham Crossing	50	69		T	
	51	07	*		
Southerham Jn	51	11	*		
	51	15	*		RA7
	51	20	*		
Southerham TP Hut	51	22			

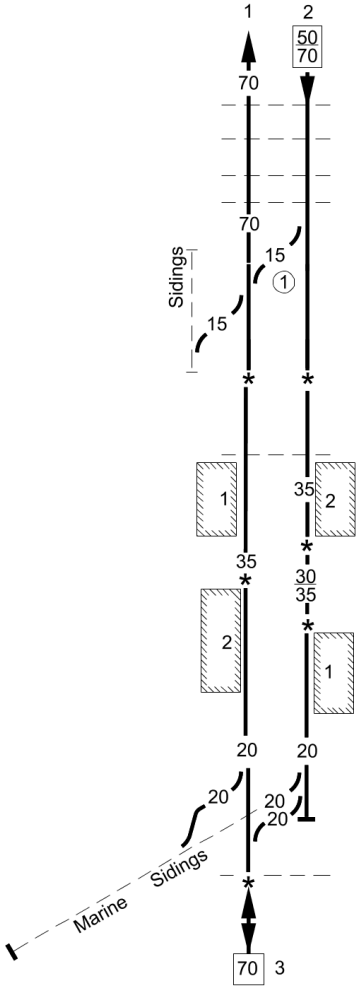
1 Up Seaford
2 Down Seaford
3 Up Lewes
4 Down Lewes
5 Up Eastbourne
6 Down Eastbourne

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO620	005	Brighton to Seaford	STS	Kent / Sussex	07/12/2019

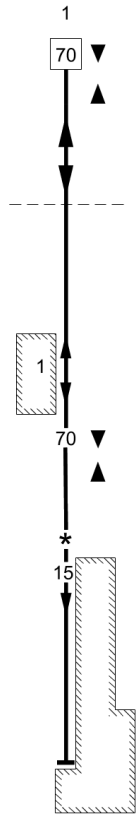
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB RA7 DC: Brighton Three Bridges ROC Lewes W/S (TLW)
	51 15		
Courthouse Farm Crossing	52 03	T	
	52 19 *		
	52 21 *		
Asheham Crossing	52 59	T	
	53 30 *		
	53 33 *		
Southease Substation	53 33		
Itford LC (R/G)	53 36	T	
SOUTHEASE	53 40	T	
	53 46 *		
	53 50 *		
			1 Up Seaford 2 Down Seaford

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO620	006	Brighton to Seaford	STS NHB	Kent / Sussex	07/12/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Stoor Crossing	54 16	T	GSM-R
Durham Farm Crossing	54 30	T	TCB RA7 DC: Brighton Three Bridges ROC Lewes W/S (TLW)
Tarring Neville 1 Crossing	54 56	T	
Tarring Neville 2 Crossing	54 71	T	
Piddinghoe TP Hut	54 74		
Newhaven Town Yard	55 54		① Crossover not electrified
Parsons Crossing	55 55	T	
	56 00 *		
Newhaven Town Level Crossing CCTV	56 20		
NEWHAVEN TOWN	56 25		
	56 28 *		
Newhaven Substation	56 33		
	56 44 *		
	56 49 *		
NEWHAVEN HARBOUR	56 51		
Beach Road LC CCTV	56 61 *		Marine Sidings
	56 65 *		
Marine Sidings	56 67		1 Up Seaford 2 Down Seaford 3 Seaford Single

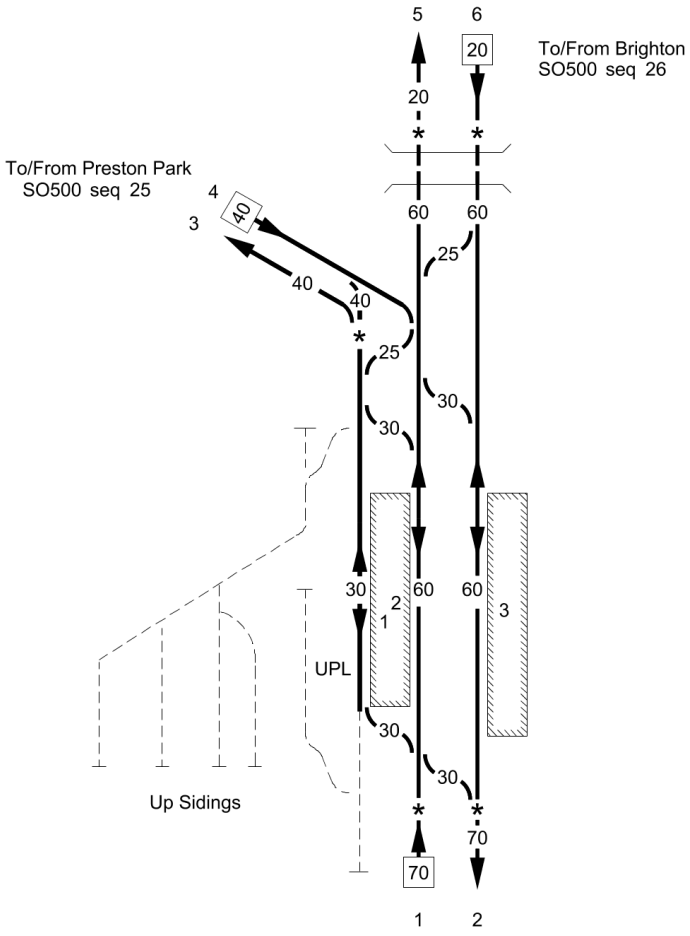


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO620	007	Brighton to Seaford	STS	Kent / Sussex	07/12/2019

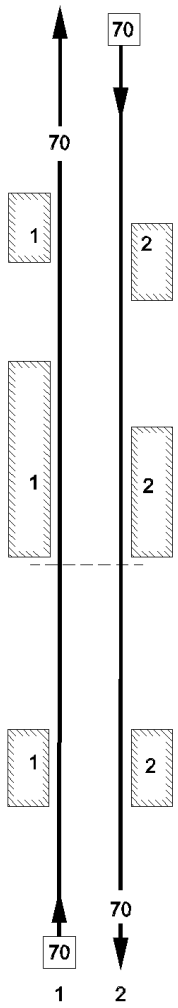
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB RA7 DC: Brighton Three Bridges ROC Lewes W/S (TLW)
Tide Mills Crossing	57 38	T	
BISHOPSTONE	58 03		
	58 65 *		
SEAFORD	58 77		1 Seaford single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	001	Brighton to Littlehampton	BLI1 PPH	Kent / Sussex	27/02/2021

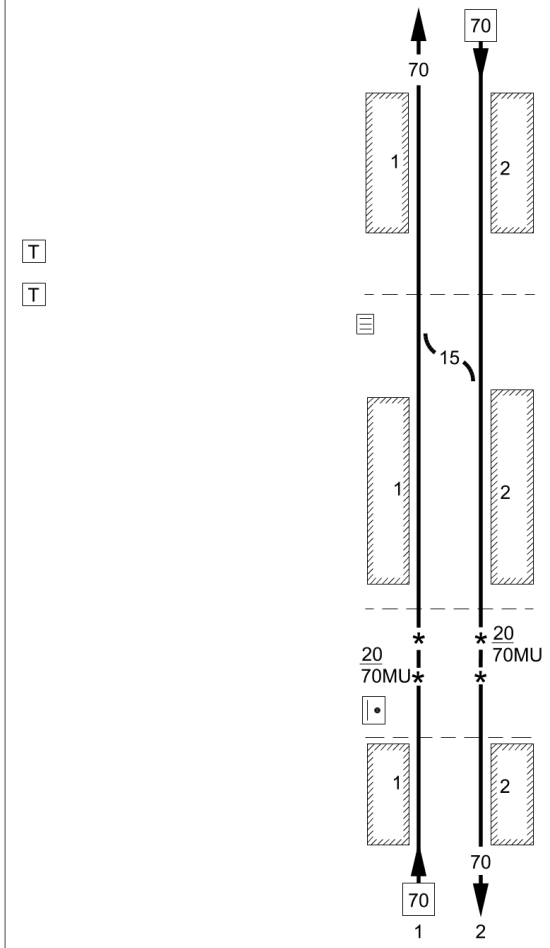
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Brighton)	(0 00)	MAXIMUM PERMISSABLE SPEED - 70MPH	GSM-R
	0 22 *		TCB Three Bridges SB (T) RA8 DC: Brighton
Hove Tunnel (220 yards)	0 30		
	0 40		
(Preston Park Jn)	(49 43)		
Hove Jn	1 28 *		
	50 48		
Hove Substation	1 35		Platform 1 PP-A (Up Direction) Platform 2 PP-A (Up Direction) Platform 3 PP-A (detaching only)
HOVE	1 35		
	(50 56)		UPL 34
	1 47 *		1 Up Brighton 2 Down Brighton 3 Up Cliftonville Spur 4 Down Cliftonville Spur 5 Up West Branch 6 Down West Branch



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	002	Brighton to Littlehampton	BLI1	Kent / Sussex	02/05/2015

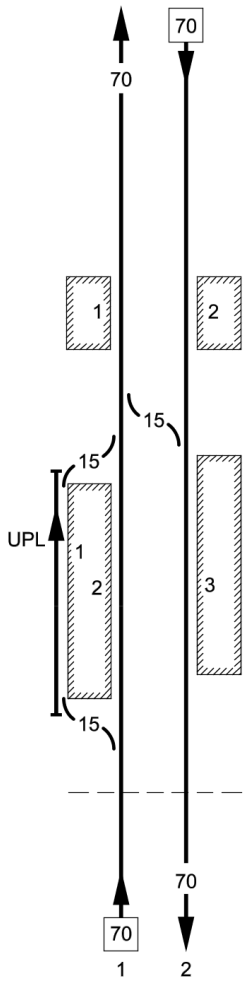
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
ALDRINGTON	1 74		
PORTSLADE	2 73		
Portslade LC (CCTV)	2 79		Lancing SB (LG)
Portslade Substation	3 01		
FISHERSGATE	3 47		
			1 Up Brighton 2 Down Brighton

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	003	Brighton to Littlehampton	BLI1	Kent / Sussex	24/11/2018

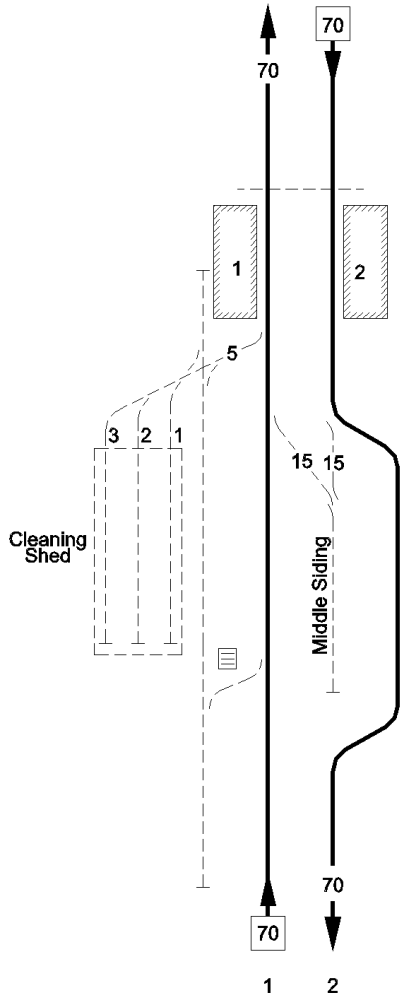
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Lancing SB (LG) RA8 DC: Brighton
SOUTHWICK	4 30		
Southwick Substation	4 49	T	
Shoreham East LC (CCTV)	5 50	T	
Shoreham Ground Frame	5 50		
Shoreham Substation	5 65		
SHOREHAM-BY-SEA	5 69		
Shoreham-by-Sea LC (CCTV)	5 75		
	6 26		
	6 47		
Adur Substation	6 79		
Lancing SB (LG)	8 15		
Lancing LC (CCTV)	8 16		
LANCING	8 19		

1 Up Brighton
2 Down Brighton

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	004	Brighton to Littlehampton	BLI1	Kent / Sussex	24/02/2018

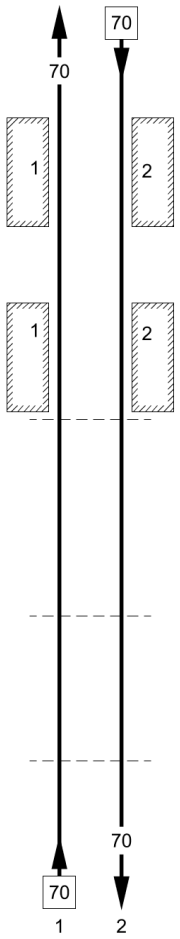
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Lancing SB (LG) RA8 DC: Brighton
Lancing Substation	8 60		
EAST WORTHING	9 55		
Broadwater Road Substation	10 33		
WORTHING	10 46		UPL 33 Platform 1 PP-A Platform 2 PP-A Platform 3 PP-A (detaching only)
Worthing LC (CCTV)	10 59		
			1 Up Brighton 2 Down Brighton

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	005	Brighton to Littlehampton	BLI1	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
West Worthing LC (CCTV)	11 25		GSM-R TCB Lancing SB (LG) RA8 DC: Brighton
WEST WORTHING	11 30		
West Worthing Ground Frame	11 64	Ⓢ	
West Worthing Substation	11 58		

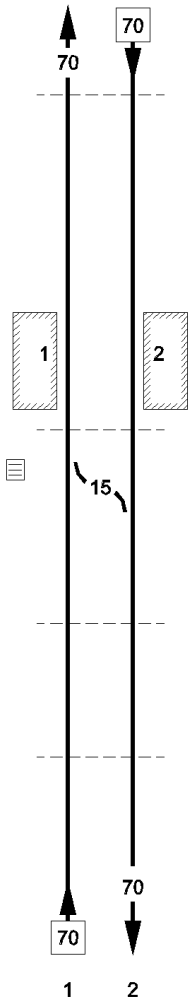
1 Up Brighton
2 Down Brighton

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	006	Brighton to Littlehampton	BLI1	Kent / Sussex	24/11/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Lancing SB (LG) RA8 DC: Brighton
DURRINGTON-ON-SEA	12 13		
GORING-BY-SEA	13 07		
Goring LC (CCTV)	13 10		
Goring Substation	13 21		
Ferring LC (CCTV)	13 56	T	
Langmeads No.1 Crossing	14 31		
			1 Up Brighton 2 Down Brighton

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	007	Brighton to Littlehampton	BLI1	Kent / Sussex	02/05/2015

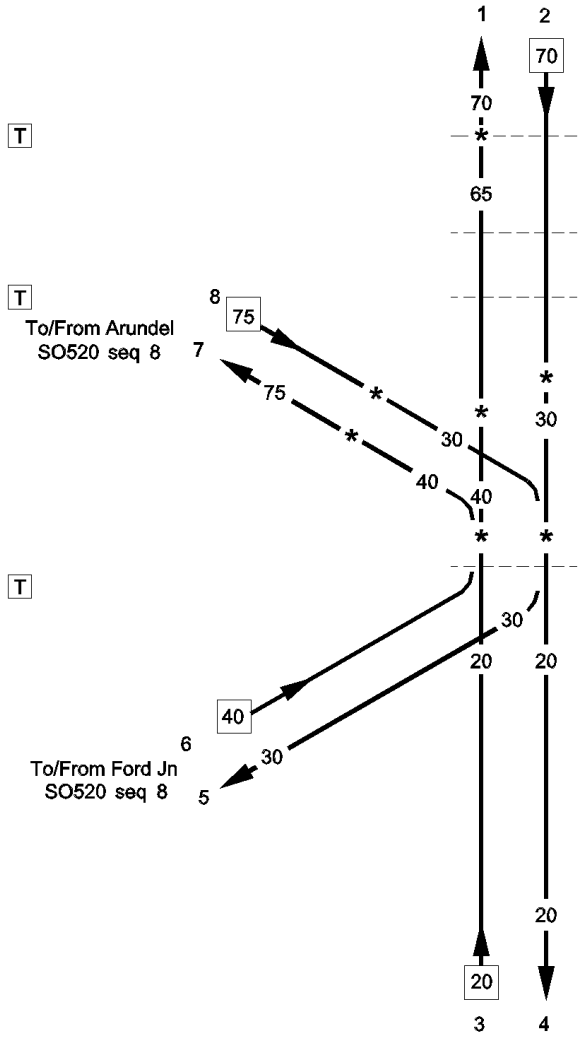
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			TCB Lancing SB (LG) RA8 DC: Brighton
Roundstone LC (CCTV)	15 00	T	
Angmering Substation	15 25		
ANGMERING	15 44		Arundel SB (AR)
Angmering LC (CCTV)	15 48		
Ground Frame		Ⓢ	
Brook Lane Crossing	16 45	T	
Norway Lane Crossing	17 12	T	
Toddington TP Hut	17 13		



1 Up Brighton
2 Down Brighton

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	008	Brighton to Littlehampton	BLI1	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Toddington LC (AHBC)	17 49 *	T	
Lyminster LC (CCTV)	18 02		
Bowermans Crossing	18 51	T	
	18 65 *		
	18 67 *		
	(59 60) *		
Ford Substation	18 77		
Arundel Jn	19 01 *		
	59 75		
Hutchings Crossing	59 76	T	

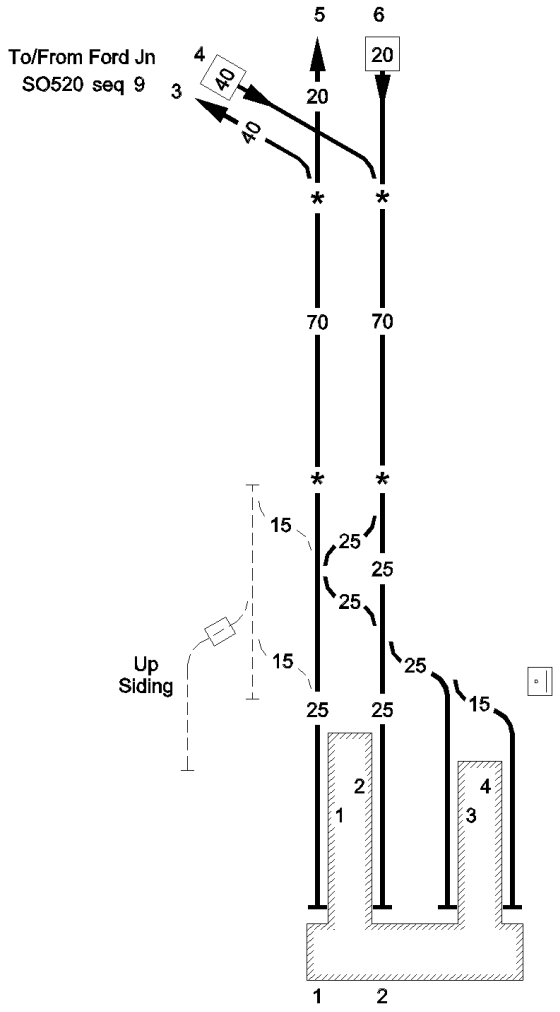


GSM-R

TCB Arundel SB (AR)
RA8 DC: Brighton

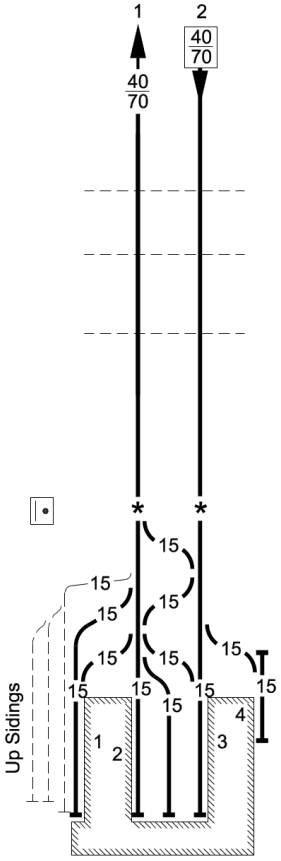
1 Up Brighton
2 Down Brighton
3 Up East Spur
4 Down East Spur
5 Down Main
6 Up Main
7 Up Horsham
8 Down Horsham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO630	009	Brighton to Littlehampton	BLI2 FJL	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Ford Jn)	(0 00)		GSM-R TCB Littlehampton SB (LH) RA8 DC: Brighton
Littlehampton Jn	60 57 *		
	61 60 *		
Littlehampton SB (LH)	61 69		Platforms 1-4 PP
Littlehampton Substation	62 02		
LITTLEHAMPTON	62 03	T	1 Up Littlehampton 2 Down Littlehampton 3 Up West Curve 4 Down West Curve 5 Up East Curve 6 Down East Curve

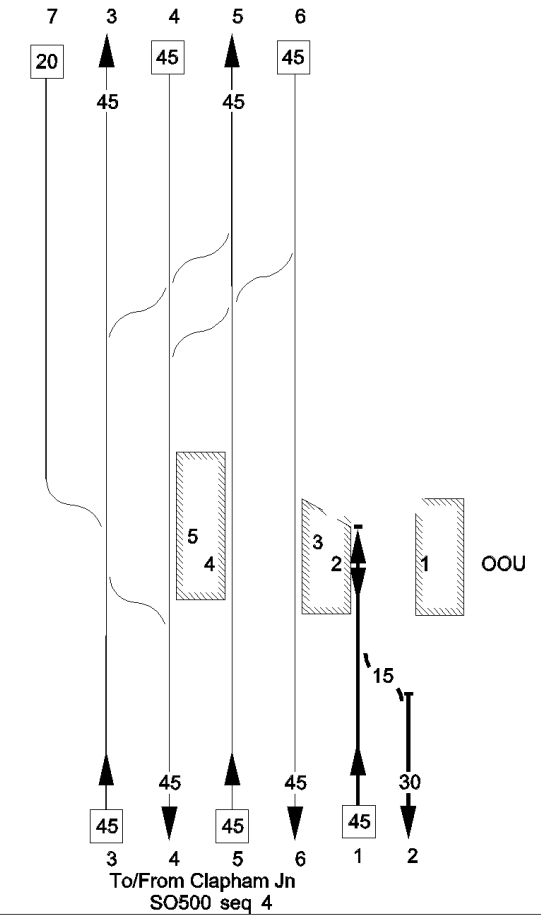
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO640	001	Barnham to Bognor Regis	BBR	Kent / Sussex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 70 MPH To/From Ford SO520 seq 010	GSM-R AB Bognor Regis SB (BR) RA8 DC: Brighton
(BARNHAM)	(22 29)		
Sack Lane Crossing	23 69	T	
Cow Lane Crossing	24 35	T	
LEC (Cox's) Crossing	24 68	T	
Bognor Substation	25 06		
Bognor Regis SB (BR)	25 51 *		
BOGNOR REGIS	25 75		Platforms 1-3 PP 1 Up (Bognor) Branch 2 Down (Bognor) Branch



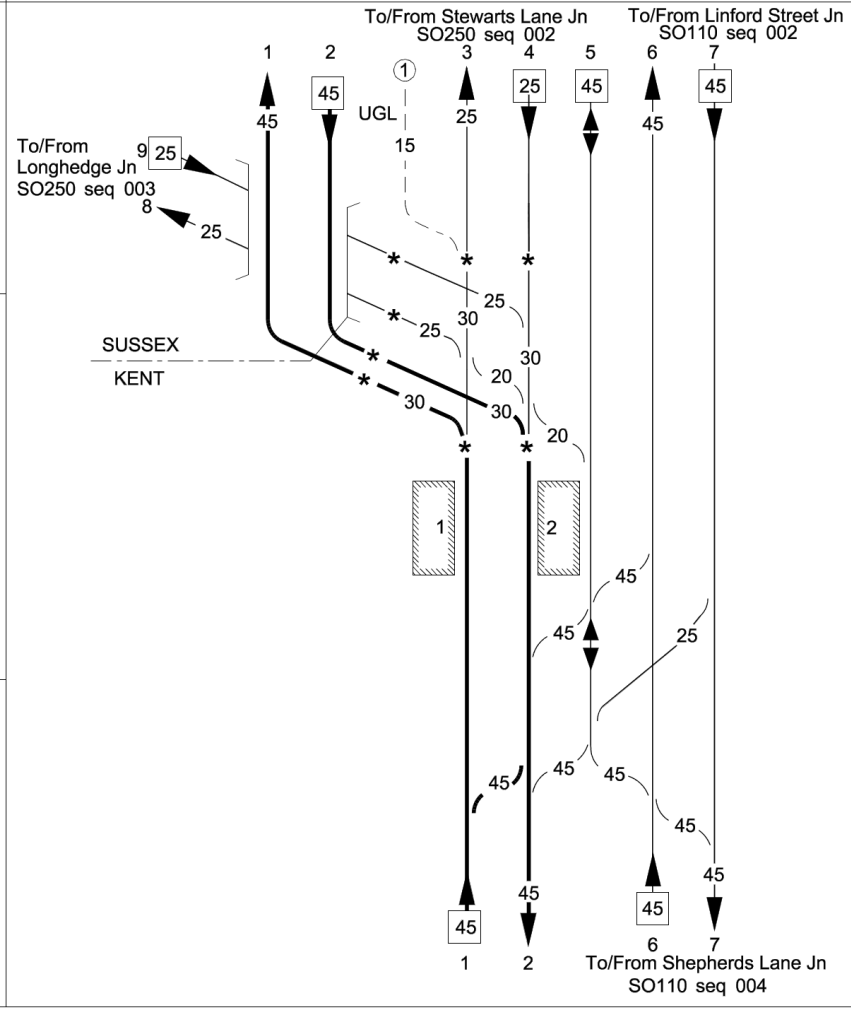
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO645	001	Battersea Park to Peckham Rye	ATL	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Battersea Park Jn	7 35 (1 13)	MAXIMUM PERMISSIBLE SPEED ATLANTIC LINES - 45 MPH To/From Battersea Pier Jn SO500 seq 3	GSM-R TCB Victoria SB (VC) RA8 DC: Lewisham
	7 31 *		Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route but are subject to a maximum of 40mph between Mitre Bridge Jn and Shortlands Jn.
BATTERSEA PARK	7 27 (1 23)		A.W.S. not provided for emergency and temporary speed restrictions.
			FWS down fast & up slow 01m 30ch & 01m 50ch.
			1 Up Atlantic 2 Down Atlantic 3 Up Brighton Fast 4 Down Brighton Fast 5 Up Brighton Slow 6 Down Brighton Slow 7 Brighton Reversible



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO645	002	Battersea Park to Peckham Rye	ATL	Kent / Sussex	02/01/2024

Location	Mileage M Ch
(Longhedge Jn)	(0 39)
	0 03 *
	6 67
Factory Jn	(1 68) *
Route Boundary	6 63
	6 61 *
Wandsworth Road Jn	6 58 *
WANDSWORTH ROAD	6 52
	(1 75)
Voltaire Road Jn	6 39
	(2 15)
Voltaire Road TP Hut	(2 10)



GSM-R

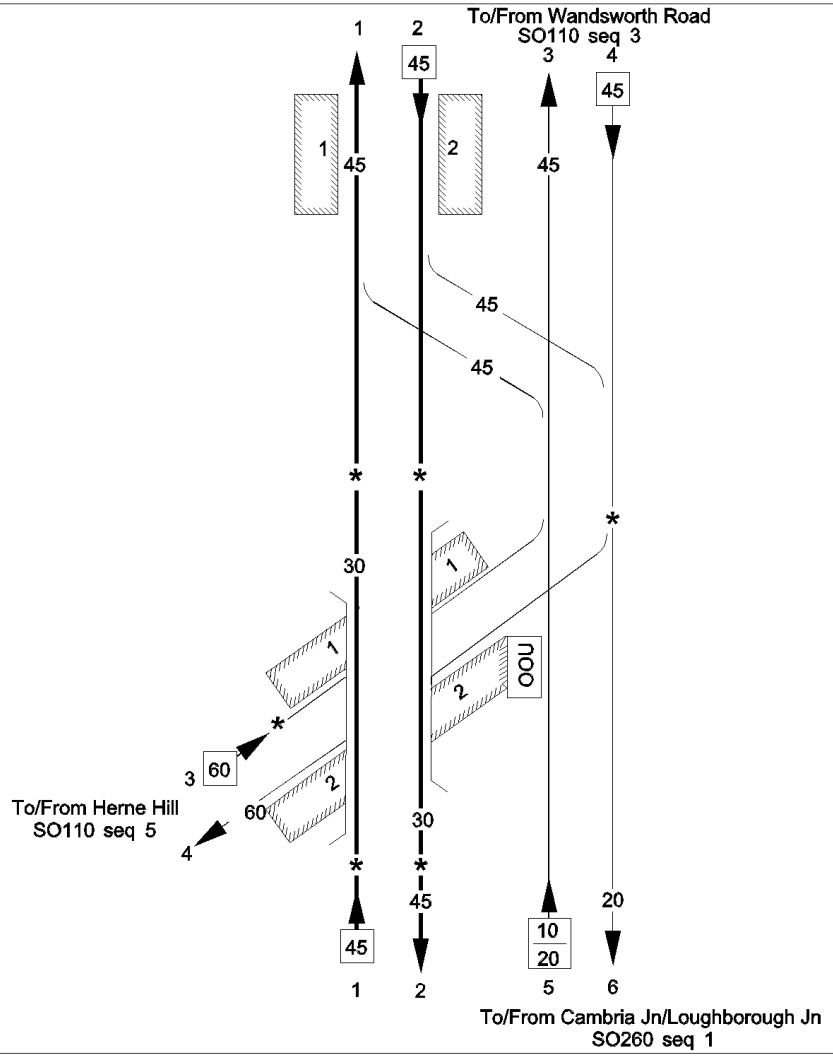
TCB Victoria SB (VC)
RA8 DC: Lewisham

A.W.S not provided for emergency and temporary speed restrictions.

① Not permissive

1 Up Atlantic
2 Down Atlantic
3 Up Stewarts Lane
4 Down Stewarts Lane
5 Chatham Reversible
6 Up Chatham Main
7 Down Chatham Main
8 Down Ludgate
9 Up Ludgate

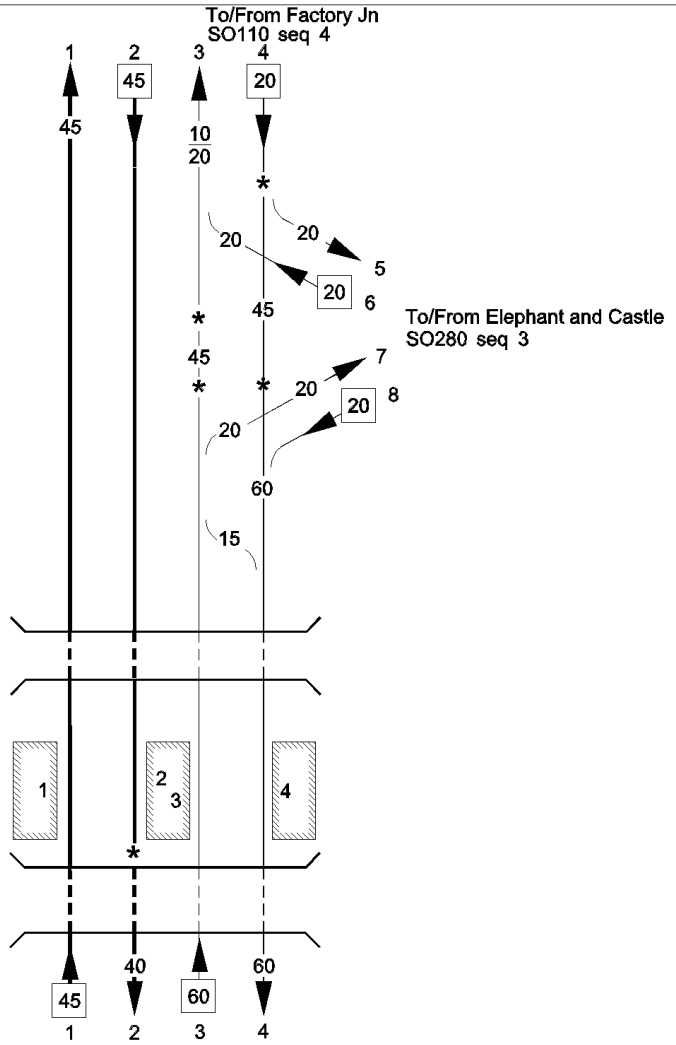
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO645	003	Battersea Park to Peckham Rye	ATL VIR	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CLAPHAM HIGH STREET	6 21 (2 25)		GSM-R TCB Victoria SB (VS) RA8 DC: Lewisham A.W.S not provided for emergency and temporary speed restrictions.
Shepherds Lane Jn	5 68 (2 70)		
	5 57 * (3 08) *		
Brixton Jn			
BRIXTON	(3 14) (3 20) * 5 09 *		

1 Up Atlantic
2 Down Atlantic
3 Up Up Chatham Main
4 Down Chatham Main
5 Up Catford Loop
6 Down Catford Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO645	004	Battersea Park to Peckham Rye	ATL	Kent / Sussex	02/05/2015

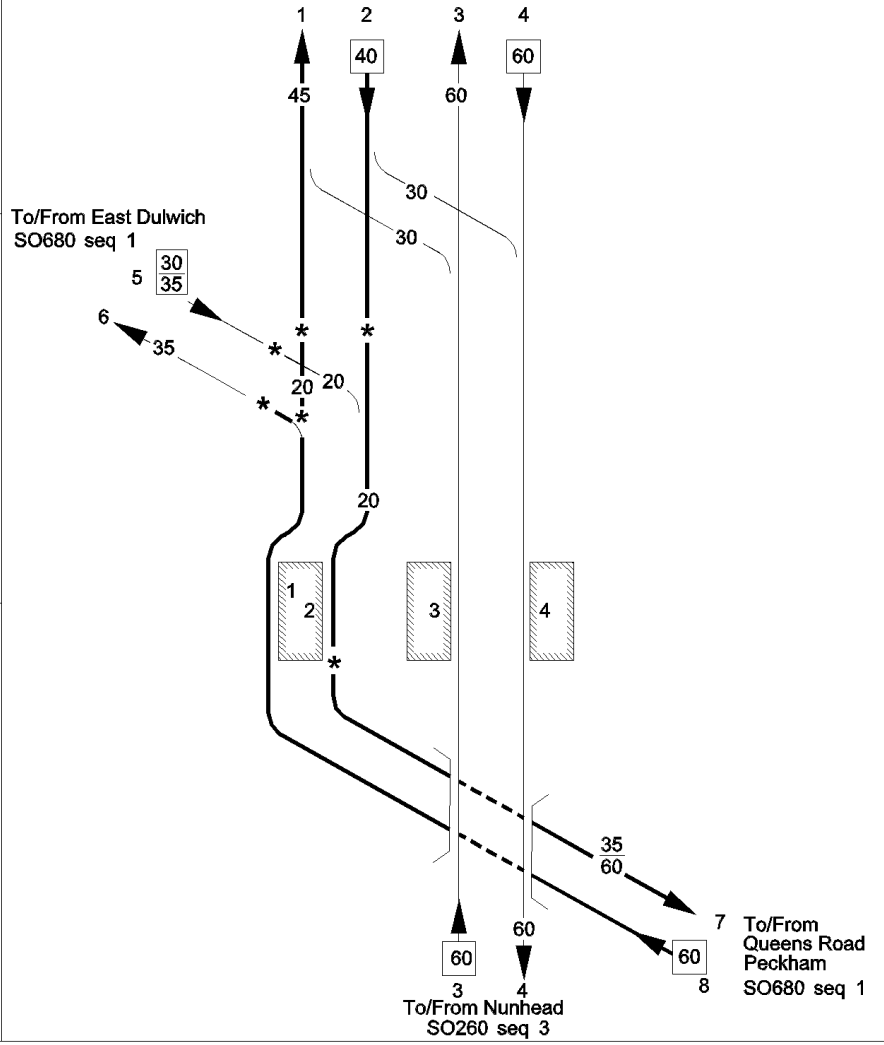
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		To/From Factory Jn SO110 seq 4	GSM-R
			TCB Victoria SB (VS) RA8 DC: Lewisham
Canterbury Road Jn	(3 24) *		
	(3 79)		A.W.S not provided for emergency and temporary speed restrictions.
(Loughborough Jn)	(3 39)		
	(3 45) *		
	(3 64) *	To/From Elephant and Castle SO280 seq 3	
Cambria Jn	(3 62)		
	(3 68)		
Denmark Hill Tunnel (63 Yards)	4 32		
	(4 12)		
	4 29		
	4 15		
DENMARK HILL	4 23		
	(4 22)		
	4 20 *		
Grove Tunnel (132 Yards)	4 14		
	(4 30)		
	4 09		
	(4 36)		



1 Up Atlantic
2 Down Atlantic
3 Up Catford Loop
4 Down Catford Loop
5 Down Brixton Spur
6 Up Brixton Spur
7 Up Cambria Spur
8 Down Cambria Spur

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO645	005	Battersea Park to Peckham Rye	ATL BTH1 CAT	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Crofton Road Jn	3 67		
	(4 67)		
	3 50 *		
Peckham Rye Jn	3 47 *		
PECKHAM RYE	3 36		
	(5 13)		
	3 30 *		



GSM-R

TCB Victoria SB (VS)
RA8 DC: Lewisham

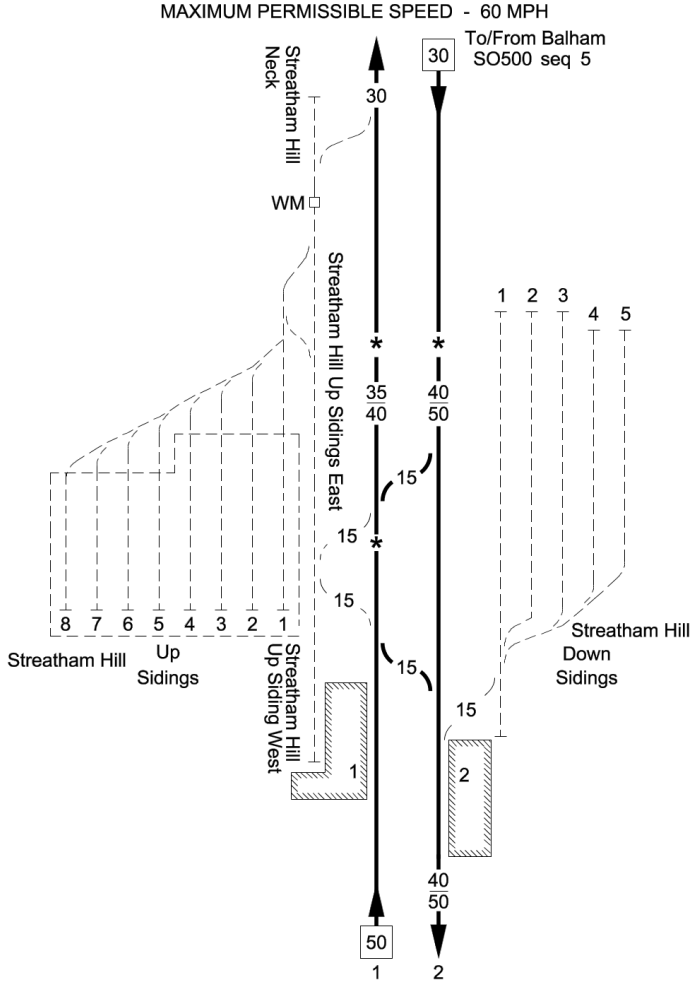
A.W.S.not provided for emergency and temporary speed restrictions between Brixton and Denmark Hill.

Note: Lines 5,6,7 & 8 controlled from Three Bridges Rail Operating Centre (TL)

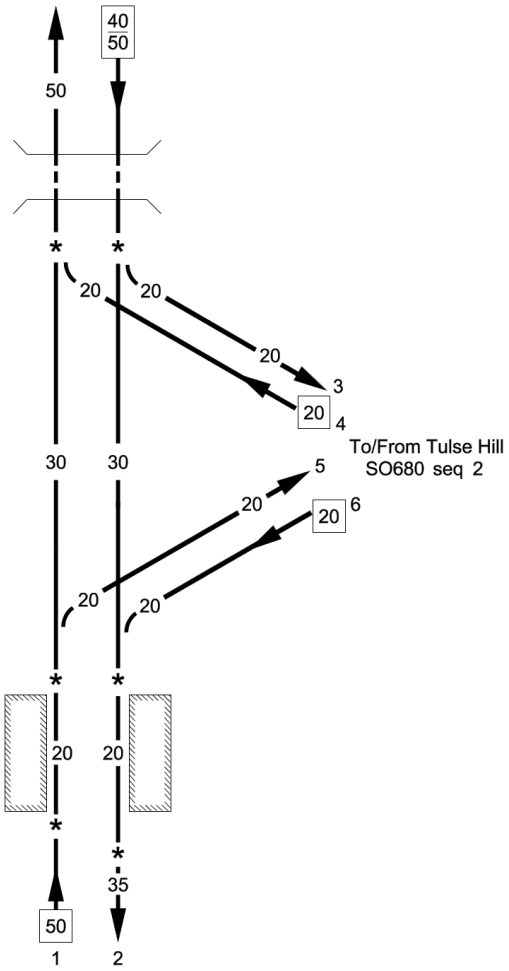
1 Up Atlantic
2 Down Atlantic
3 Up Catford Loop
4 Down Catford Loop
5 Up Portsmouth
6 Down Portsmouth
7 Up South London
8 Down South London

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO650	001	Balham Jn to Beckenham Jn	BBJ	Kent / Sussex	03/01/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Balham Jn)	(4 69)	MAXIMUM PERMISSIBLE SPEED - 60 MPH	TCB Three Bridges ROC Balham W/S (TVC) RA8 DC: Selhurst
Balham TP Hut	4 76		Axle Counter Section 4m 69ch GSM-R
	5 20 *		Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route but are subject to a maximum of 25mph between West Norwood and Crystal Palace.
	5 43 *		
STREATHAM HILL	5 57		1 Up Crystal Palace 2 Down Crystal Palace



LOR	Seq.	Line of Route Description	ELR			Route	Last Updated
SO650	002	Balham Jn to Beckenham Jn	BBJ	LTH	WTH	Kent / Sussex	03/01/2022

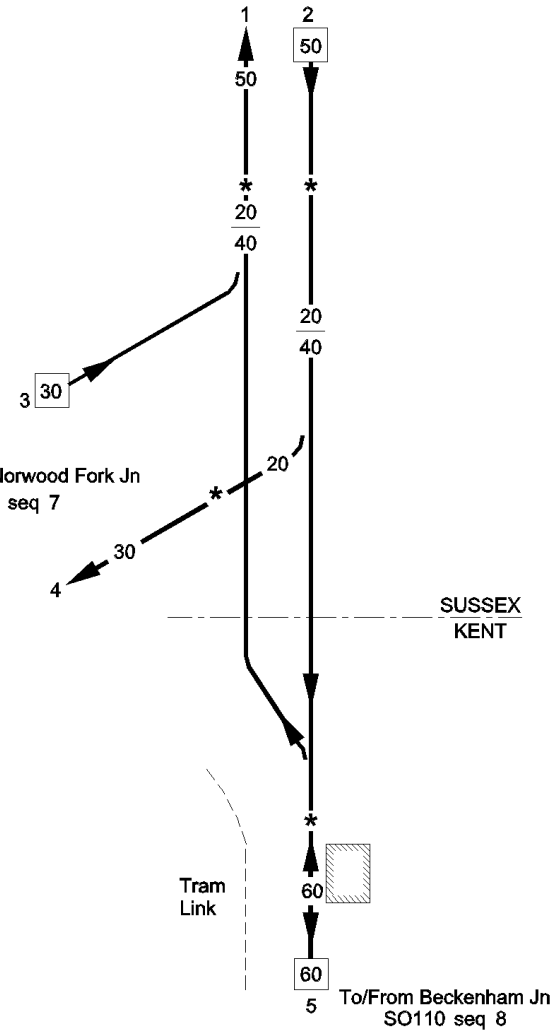
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Leigham Court Tunnel (443 yards)	6 00 to 6 17		TCB Three Bridges ROC Balham W/S (TVC) RA8 DC: Selhurst Axle Counter Section 6MP GSM-R VICTORIA SB (VC)
Leigham Jn	6 31 *		
	(6 40) *		
(Tulse Hill)	(6 07)		To/From Tulse Hill SO680 seq 2
West Norwood Jn	6 58		
	(6 41)		
	6 59		
	6 75 *		
WEST NORWOOD	7 02		
	7 08 *		
	7 11 *		

1 Up Crystal Palace
2 Down Crystal Palace
3 Down Leigham Spur
4 Up Leigham Spur
5 Up West Norwood Spur
6 Down West Norwood Spur

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO650	003	Balham Jn to Beckenham Jn	BBJ SCP	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VC) RA8 DC: Selhurst
	7 30 *		
Gypsy Hill TP Hut	7 35		
	7 44 *		
GIPSY HILL	7 77		
Crystal Palace Tunnel	8 16	T	
(746 yards)	to		
	8 49 *		
	8 50 *		
Crystal Palace TP Hut	8 52		
	(7 56) *		
CRYSTAL PALACE	8 56		Platform 3 Detaching only
	(7 52)		
	8 67 *		Platform 5 - PP
	(7 44) *		
	(7 38) *		
(Sydenham Up Jn)	(6 49)	To/From Sydenham SO510 seq 5	1 Up Crystal Palace 2 Down Crystal Palace 3 Down Sydenham Spur 4 Up Sydenham Spur

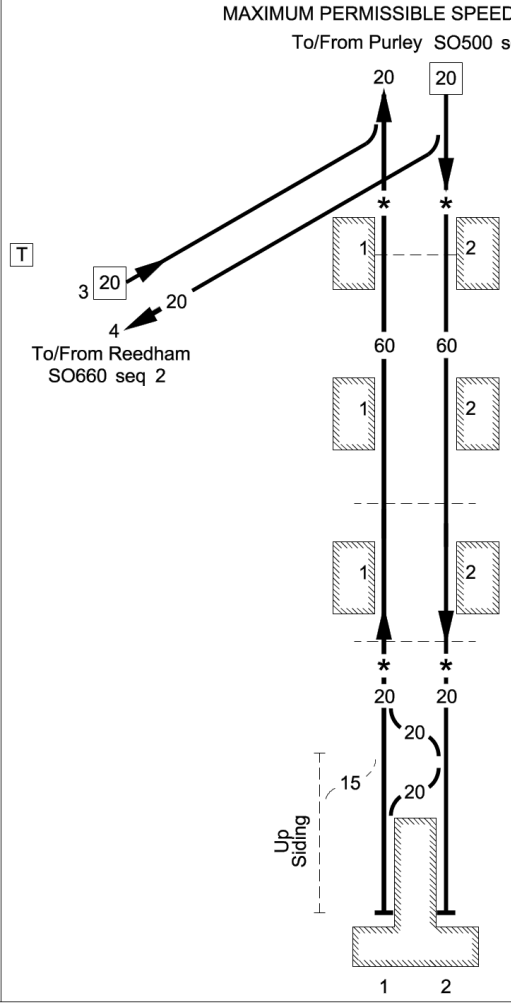
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO650	004	Balham Jn to Beckenham Jn	BBJ SCP	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Victoria SB (VC) RA8 DC: Selhurst
	9 33 *		
Bromley Up Jn	9 36		
Norwood Jn TP Hut	9 47		
Bromley Down Jn	9 48		
	(9 50) *		
(Norwood Jn)	(9 75)		
Route Boundary	9 65		
Birkbeck Junction	10 06		
Birkbeck TP Hut	10 08		
	10 22 *		
BIRKBECK	10 26		
(Beckenham Jn)	(11 62)		

1 Up Crystal Palace
2 Down Crystal Palace
3 Up Crystal Palace Spur
4 Down Crystal Palace Spur
5 Crystal Palace Single

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO660	001	Purley to Caterham	PAT	Kent / Sussex	18/11/2023

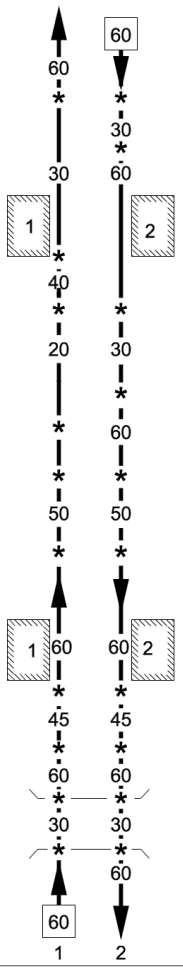
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 60 MPH To/From Purley SO500 seq 10	GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
(PURLEY)	(15 13)		
Chipstead Line Jn	15 23		
	15 26 *		
Purley Substation	15 28		
KENLEY	16 29		
Kenley TP Hut	16 67		
WHYTELEAFE	17 58		
Whyteleafe LC (CCTV)	17 63		
WHYTELEAFE SOUTH	18 18		
Whyteleafe South Substation	18 18		
Whyteleafe South LC (CCTV)	18 21		
	19 53 *		
CATERHAM	19 70		Platform 1 PP Platform 2 PP 1 Up Caterham 2 Down Caterham 3 Up Tattenham 4 Down Tattenham



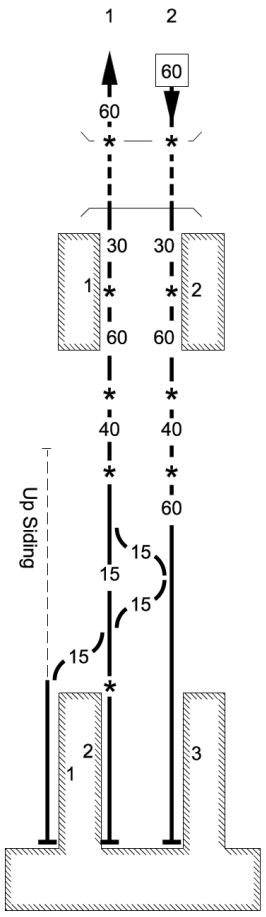
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO660	002	Purley to Tattenham Corner	TAT	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 60 MPH	GSM-R
			TCB Three Bridges SB (T) RA8 DC: Brighton
(PURLEY)	(15 13)		
(Chipstead Line Jn)	(15 23)		
Purley Substation	15 28		
	15 58 *		
REEDHAM	15 65		
	15 71 *		
	16 33 *		
COULSDON TOWN	16 46		
Smitham TP Hut	16 66		
	16 75 *		
WOODMANSTERNE	17 40		
			1 Up Tattenham 2 Down Tattenham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO660	003	Purley to Tattenham Corner	TAT	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
	17 60 *		
	17 78 *		
Chipstead Substation	18 27		
CHIPSTEAD	18 41		
	18 50 *		
	19 10 *		
	19 30 *		
	19 36 *		
	19 44 *		
Outwood Lane TP Hut	19 46	T	
	19 66 *		
KINGSWOOD	20 72		
Kingswood Substation	20 72		
	21 02 *		
	21 12 *		
Kingswood Tunnel (310 yards)	21 36 * to 21 50 *		1 Up Tattenham 2 Down Tattenham

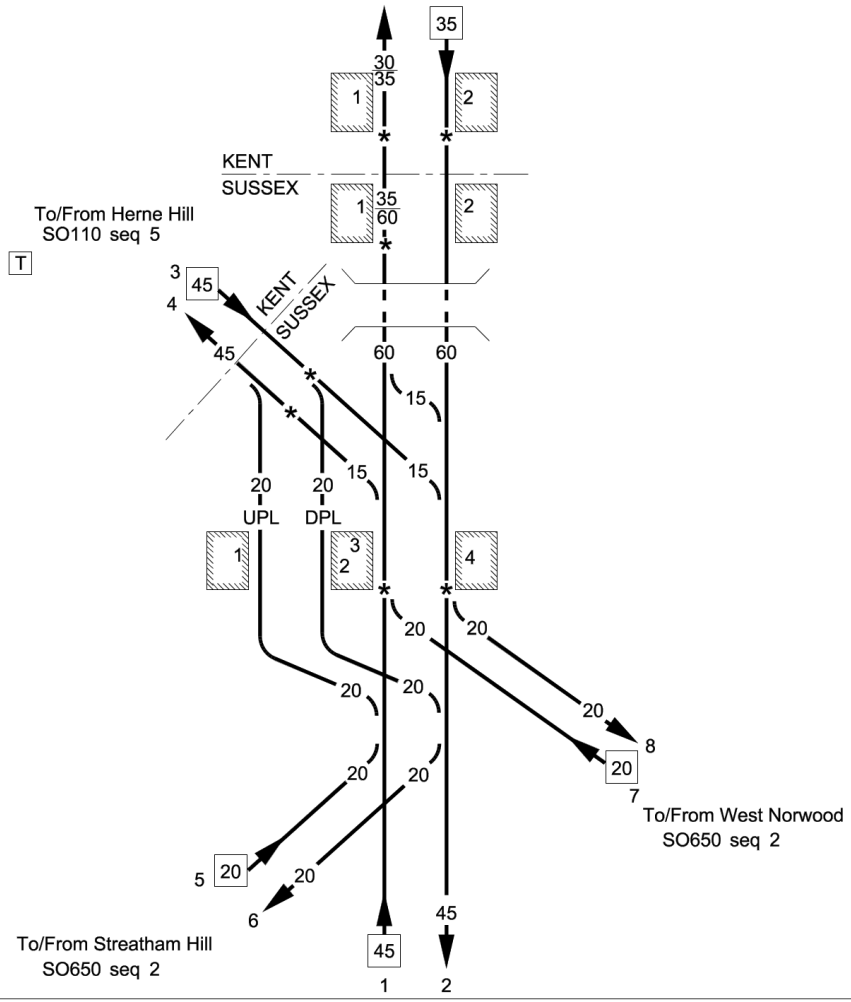
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO660	004	Purley to Tattenham Corner	TAT	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
Hoppity Tunnel (37 yards)	21 61 * to 21 63		
Tadworth TP Hut	22 13		
TADWORTH	22 18 *		
	22 74 *		
	23 02 *		
Tattenham Corner Substation	23 24		
	23 30 *		
TATTENHAM CORNER	23 37		Platform 1 PP Platform 2 PP Platform 3 PP 1 Up Tattenham 2 Down Tattenham

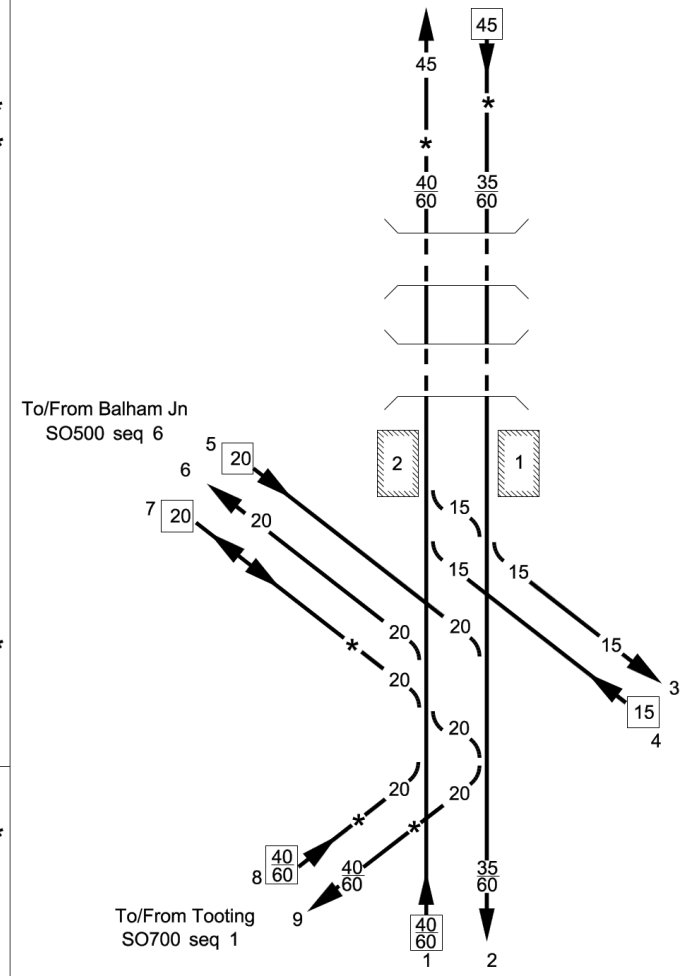
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	001	South Bermondsey Jn to Horsham	BTH1	Kent / Sussex	09/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(South Bermondsey Jn)	(1 55)	MAXIMUM PERMISSIBLE SPEED BETWEEN SOUTH BERMONDSEY JN AND LEATHERHEAD - 60 MPH LEATHERHEAD AND HORSHAM - 75 MPH To / From London Bridge SO510 seq 002 To / from Silwood Jn SO681-001 seq 001 For Atlantic lines SO645 seq 005	GSM-R TCB Three Bridges ROC (TL) London Bridge Central L/E Workstation Lines 5 and 6 London Bridge Central C/E Workstation Lines 1,2,3,4,7 and 8 RA8 DC: Lewisham PoSA and Emergency Point and Route Release Area Between South Bermondsey Jn and South Bermondsey Station. AWS not provided for emergency and temporary speed restrictions between South Bermondsey Jn and South Bermondsey. ⊠ LOD(T) Traffic Lock Out Device Inhibits all movements on designated line(s) N.B Full Details of the protection afforded is as detailed in the line side case 1 Up Portsmouth 2 Down Portsmouth 3 Down Atlantic 4 Up Atlantic 5 Up South London 6 South London Reversible 7 Up Silwood 8 Down Silwood Note # Between Uttley Jn and Peckham Rye Jn is Down South London Line
	1 57 *		
SOUTH BERMONDSEY	1 62		
	1 67 *		
Uttley Jn	2 02		
	2 06 *		
Old Kent Road Jn	2 32		
	2 38 *		
QUEEN'S ROAD PECKHAM	2 58		
	3 30 *		
PECKHAM RYE	3 36	T	
Peckham Rye Jn	3 47		
Peckham Rye TP Hut	3 49	T	
	3 50 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	002	South Bermondsey Jn to Horsham	BTH1 HHT	Kent / Sussex	18/11/2023

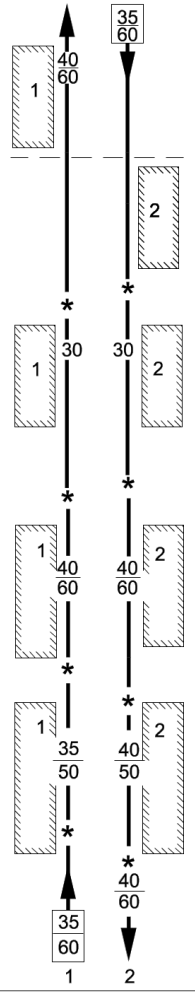
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
EAST DULWICH	4 23		GSM-R TCB Three Bridges ROC (TL) London Bridge Central C/E Workstation RA8 DC: Lewisham
	4 27 *		
Route Boundary	4 44		
NORTH DULWICH	4 64		GSM-R TCB Victoria SB (VC) RA8 DC: Brighton
	5 05 *		
West Dulwich Substation	5 32		
Knight's Hill Tunnel (331 yards)	5 56 to 5 71		
(Herne Hill)	(4 37)		
Route Boundary	(4 63)		
	(4 65) *		
TULSE HILL	6 07		UPL 42 DPL 37
	(5 02)		
	6 10 *		
Tulse Hill Substation	6 20		
(Leigham Jn)	(6 40)		1 Up Portsmouth 2 Down Portsmouth 3 Down Holborn 4 Up Holborn 5 Down Leigham Spur 6 Up Leigham Spur 7 Up West Norwood Spur 8 Down West Norwood Spur
(West Norwood Jn)	(6 41)		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	003	South Bermondsey Jn to Horsham	BTH1 SSC SNS SLJ SMS1	Kent / Sussex	18/04/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Three Bridges ROC Streatham W/S (TVC) RA8 DC: Brighton GSM-R
	6 25 *		
	6 46 *		
Leigham Tunnel (302 yards)	6 62 to 6 76		Axle Counter area 6m 62ch
Streatham Tunnel (220 yards)	7 09 to 7 19		
STREATHAM	7 48		Platform 1 PP-A (detaching only)
(Streatham North Jn)	(6 14)		
	(6 30) *		
Streatham South Jn	8 11		
	(6 48)		
	(0 00)		
	(0 20) *		

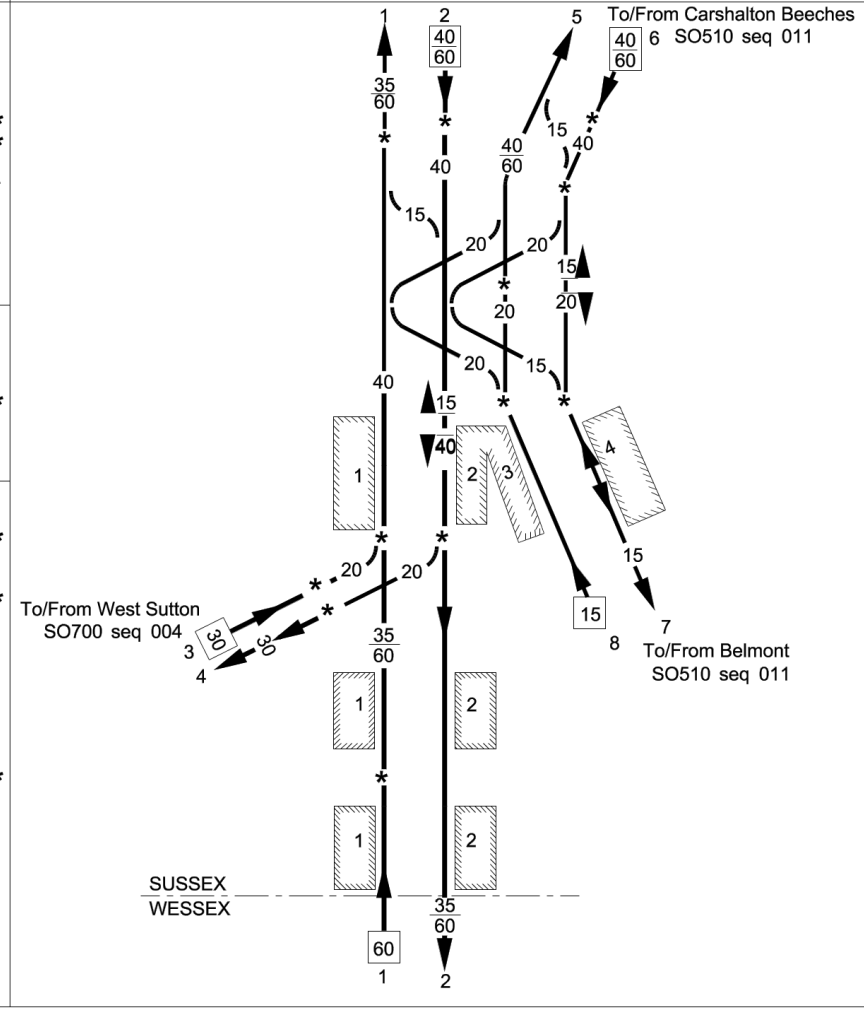
1 Up Portsmouth
2 Down Portsmouth
3 Down Streatham Spur
4 Up Streatham Spur
5 Down Slow Spur
6 Up Slow Spur
7 Fast Spur
8 Up St Helier
9 Down St Helier

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	004	South Bermondsey Jn to Horsham	BTH1	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC Sutton W/S (TVC) RA8 DC: Brighton
MITCHAM EASTFIELDS	9 19		
Eastfields Road LC (CCTV)	9 19		Axle Counter Area
Grove Road TP Hut	9 31		
	9 75 *		
	10 00 *		
MITCHAM JN	10 30		
Mitcham Jn Substation	10 40		
	10 68 *		
	10 70 *		
HACKBRIDGE	11 41		
Carshalton TP Hut	12 03		
	12 16 *		
	12 23 *		
CARSHALTON	12 30		
	12 36 *		
	12 41 *		
			1 Up Portsmouth 2 Down Portsmouth

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	005	South Bermondsey Jn to Horsham	BTH1 BTH2 NFE	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	13 34 *		
	13 38 *		
	(14 60) *		
Change of Mileage	13 45		
	14 66		
	(14 71) *		
Sutton Substation	14 67		
SUTTON	14 75		
	(12 50)		
	15 04 *		
	(12 40) *		
CHEAM	15 76		
Cheam TP Hut	16 06		
	17 11 *		
Ewell East Substation	17 23		
EWELL EAST	17 27		
Route Boundary	17 33		



GSM-R

TCB Three Bridges ROC Sutton W/S (TVC)
RA8 DC: Brighton

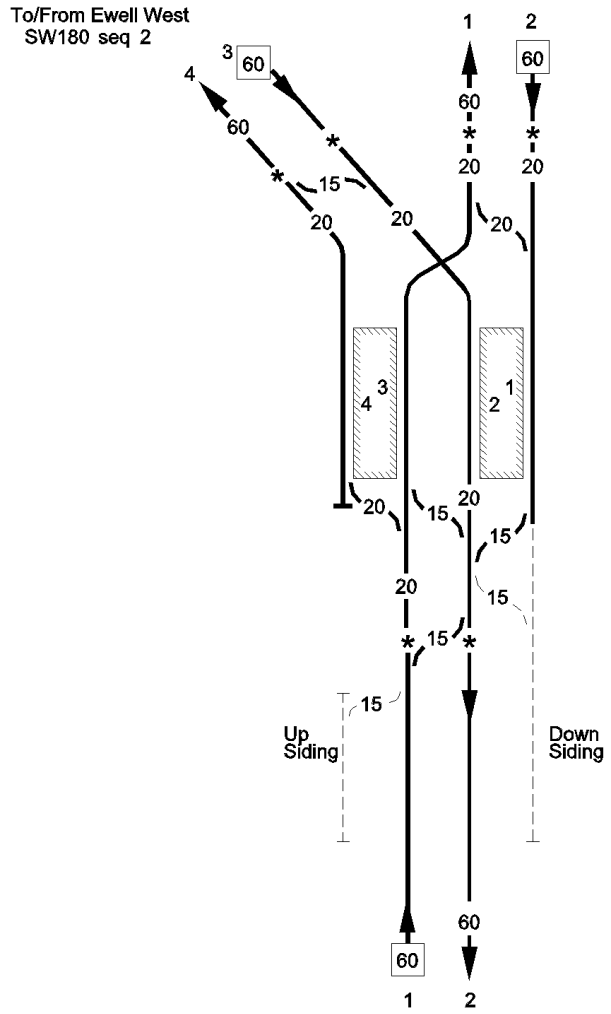
Axle Counter Area

1 Up Portsmouth
2 Down Portsmouth
3 Down St Helier
4 Up St Helier
5 Up Wallington
6 Down Wallington
7 Down Wallington
8 Up Wallington

Axle counter area 17m 11ch

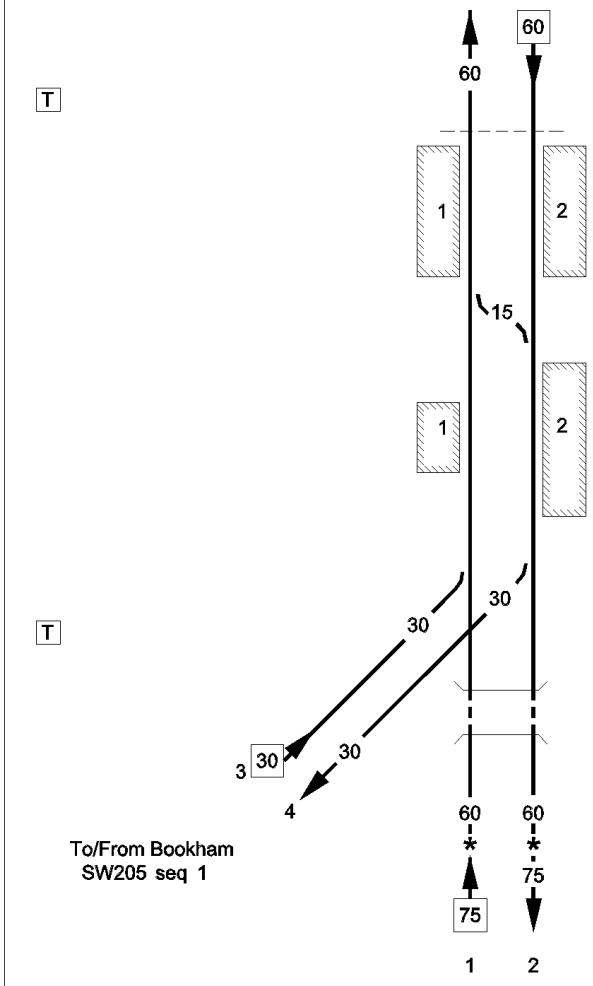
DC:Raynes Park

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	006	South Bermondsey Jn to Horsham	BTH2 BTH3 RPE	Kent / Sussex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	18 50 *		TCB Wimbledon SB (W) RA8 DC:Raynes Park GSM-R
	18 66		
	14 10		
EPSOM	18 73		
	(14 18)		
Change of Mileage	19 03		
	14 27		

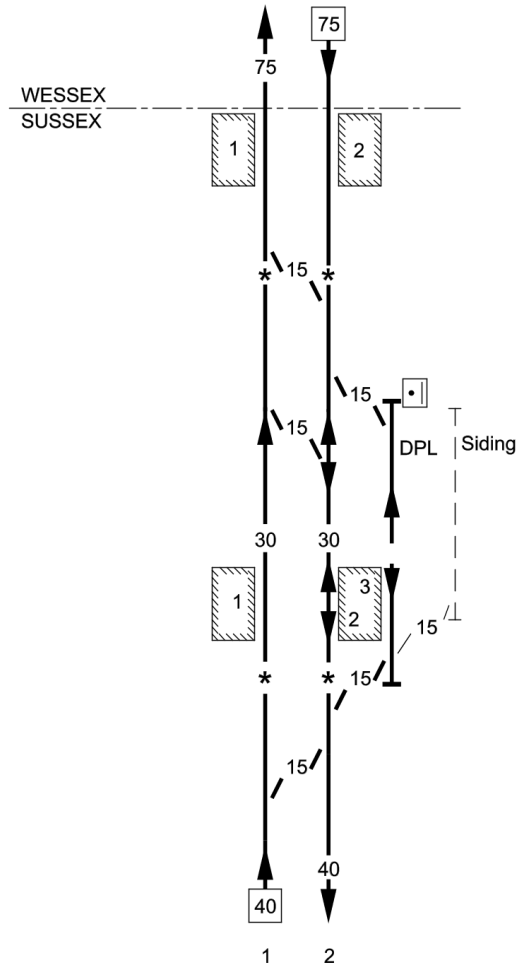
1 Up Portsmouth
2 Down Portsmouth
3 Down Epsom
4 Up Epsom

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	007	South Bermondsey Jn to Horsham	BTH3 LEJ	Kent / Sussex	02/05/2015

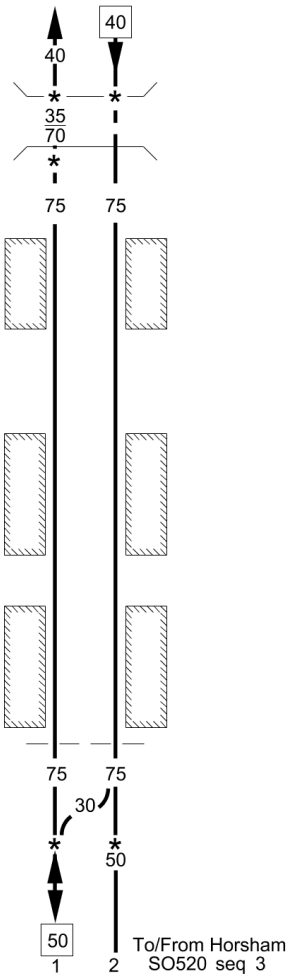
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Wimbledon SB (W) RA8 DC:Raynes Park
Ashtead Substation	15 42	T	
Ashtead LC (CCTV)	16 14		
ASHTEAD	16 19		
	16 72		
Barnett Wood TP Hut	16 77		
LEATHERHEAD	18 02		
	18 05		
Leatherhead Substation	18 18	T	DC:Brighton
Mickleham Tunnel	19 55 to 19 78		
	18 20 *	To/From Bookham SW205 seq 1	

1 Up Portsmouth
2 Down Portsmouth
3 Up Bookham
4 Down Bookham

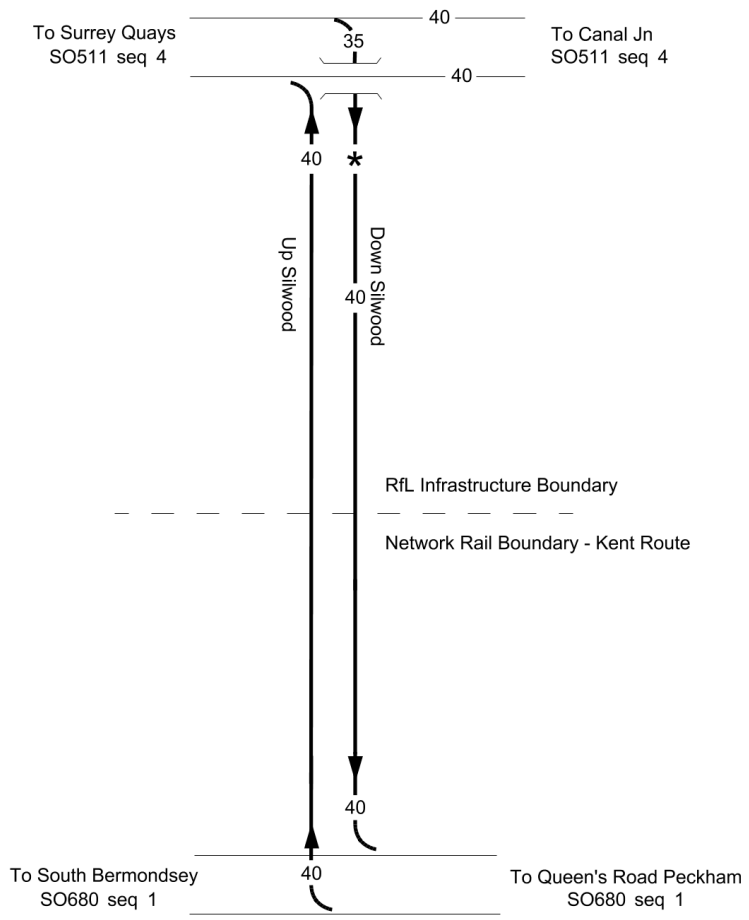
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	008	South Bermondsey Jn to Horsham	BTH3	Kent / Sussex	25/11/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Mickleham TP Hut	20 09		GSM-R
Route Boundary	21 09		TCB Dorking SB (CBK) RA8 DC:Brighton
BOX HILL & WESTHUMBLE	21 14		
	21 70 *		
Dorking Substation	22 00		
Dorking SB (CBK)	22 01		
DORKING	22 08		DPL = 33 (Reversible) Platform 1 PP-A (Attaching only) Platform 2 PP-A Also permitted for platform sharing during times of significant service interuptions. Platform 3 PP
	22 15 *		
			1 Up Main 2 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	009	South Bermondsey Jn to Horsham	BTH3	Kent / Sussex	29/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ASC (T) Panel 7A RA8 DC:Brighton
Betchworth Tunnel (384 yards)	22 60 * to 23 23 *	T	
Stonebridge TP Hut	23 50	T	
Blackbrook Substation	25 30		
HOLMWOOD	27 05		
Holmwood TP Hut	27 08		
Ockley Substation	28 63		
OCKLEY	29 20		
Tipholm TP Hut	30 30		
Kingsfold Substation	32 00		
WARNHAM	33 46		
Warnham Station Road LC (R/G)	33 50		TCB Three Bridges ASC (T) Panel 7B RA8 DC:Brighton
Warnham TP Hut	33 55		
	35 08 *		
(Horsham Jn)	(35 34)		1 Up 2 Down

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO681	001	Silwood Jn to Old Kent Road Jn	ELL3 ELL4 BTH1	Sussex	25/06/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Silwood Jn	4 66		TCB East London Line SCC (EL) Workstation 2 DC: Lewisham RA8 GSM-R RfL Infrastructure - For information purposes only Axle counter area
	5 04		
RFL / Network Rail Boundary	5 51		Down Silwood - 5m 44ch
	2 23		Up Silwood - Start of GSM-R Area 2m 25ch
Old Kent Road Jn	2 32		TCB Three Bridges Rail Operating Centre 3B (TL) DC:Lewisham RA8

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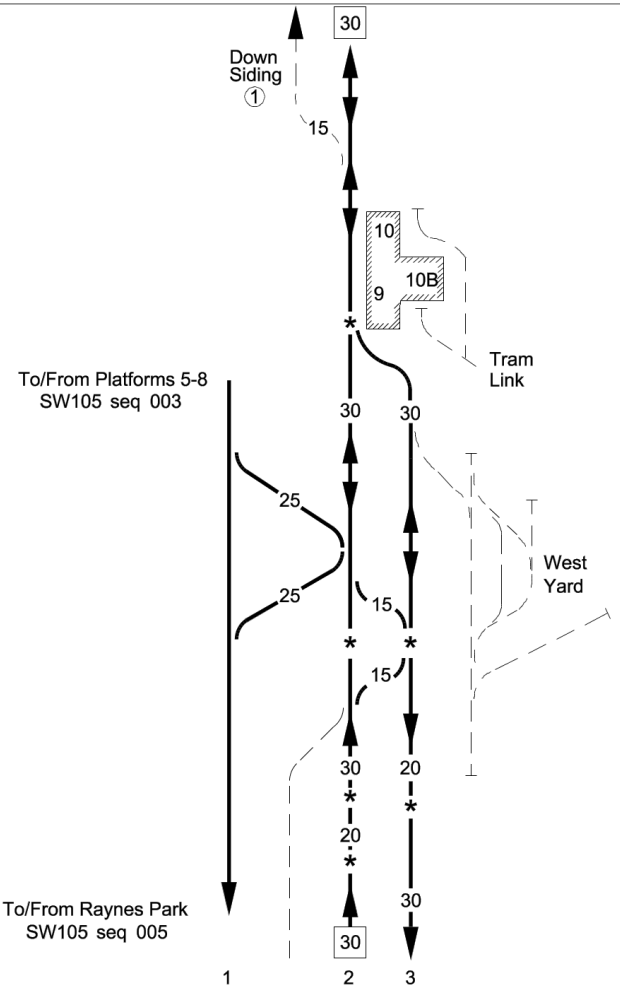
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO700	001	Streatham South Jn to Sutton (via Wimbledon)	SMS1	Kent / Sussex	18/11/2023

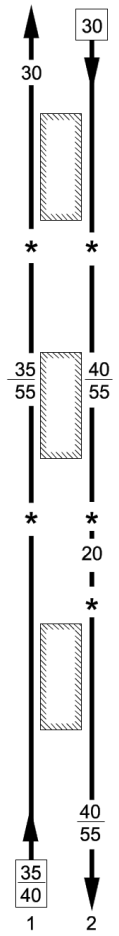
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
(Streatham South Jn)	(8 15) (0 00)	MAXIMUM PERMISSIBLE SPEED - 60 MPH	TCB Three Bridges ROC Streatham W/S (TVC) RA8 DC: Brighton
	0 20 *	20 To/From Streatham/ Streatham North Jn SO680 seq 003	Streatham W/S (TVC) GSM-R
TOOTING	0 76	20 * * 60 60 1 2	
Haydons Road TP Hut	1 78		Axle Counter area 2m 11ch
	2 12 *	*	
HAYDONS ROAD	2 18	1 2 40 60	Three Bridges ROC Sutton W/S (TVC) DC: Brighton
	2 65 *	* 30	
	2 67 *	*	
		60	
	3 00 *	*	
		30	
		1 2	1 Up St. Helier 2 Down St. Helier

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO700	002	Streatham South Jn to Sutton (via Wimbledon)	SMS1 SMS2	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WIMBLEDON	3 07 7 21 7 27 *		GSM-R TCB Three Bridges ROC Sutton W/S (TVC) RA8 DC: Brighton ① Down Siding in use but de-energised. Permissive working authorised on up platform line.
Wimbledon West Jn	7 51		
	7 47 *		
Wimbledon Substation	7 66		
	7 59 * 7 69 *		
	7 72 *		

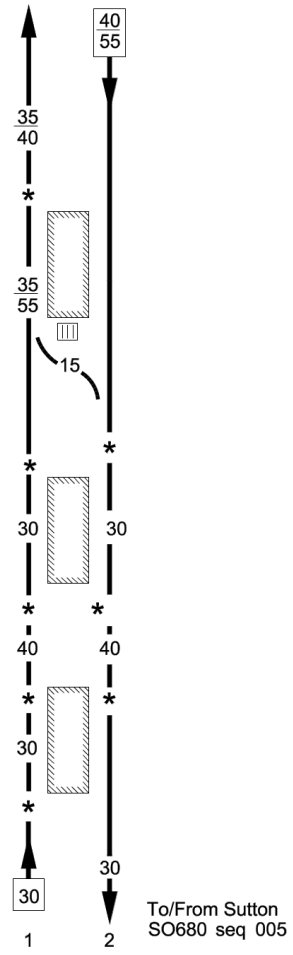
1 Down slow (South West Line)
2 Up St Helier
3 Down St Helier

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO700	003	Streatham South Jn to Sutton (via Wimbledon)	SMS2	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Three Bridges ROC Sutton W/S (TVC) RA8 DC: Brighton GSM-R
WIMBLEDON CHASE	8 13		
	8 21 *		
SOUTH MERTON	8 61		Axle counter area 8m 63ch
	9 06 *		
	9 25 *		
Morden South TP Hut	9 26	T	
MORDEN SOUTH	9 32		

1 Up St Helier
2 Down St Helier

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO700	004	Streatham South Jn to Sutton (via Wimbledon)	SMS2	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Three Bridges ROC Sutton W/S (TVC) RA8 DC: Brighton GSM-R
	9 66 *		Axle counter area
ST HELIER	9 69		
St Helier Ground Frame	9 74		
St Helier Substation	10 40		
	10 61 *		
	10 63 *		
SUTTON COMMON	10 67		
	11 00 *		
West Sutton TP Hut	11 40	T	
	11 43 *		
WEST SUTTON	11 47		
	11 68 *		
(SUTTON)	(12 50)		
	(14 75)		

1 Up St Helier
2 Down St Helier

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SO110 (VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM))

From	To	Type of Train	Line(s)	Remarks
Wandsworth Road	Battersea Run Round Loop	'Dead' Class 373 power car or half set.	Chatham Reversible (Up direction only)	Train may be propelled in accordance with Rule Book Module SS2, Section 4.8. An additional Driver must ride in the leading power car.

Dated: 02/12/06

SO150 (SITTINGBOURNE (EASTERN JN.) TO SHEERNESS-ON-SEA)

From	To	Type of Train	Line(s)	Remarks
Swale	Ridham Sidings	All	Up line	Trains may be propelled in accordance with Rule Book Module SS2, Section 4.8. Movement may commence when train has been brought to a stand clear of signal EV85 and that signal is cleared.

Dated: 02/12/06

SO290 (NORTH KENT EAST JN TO DARTFORD JN (VIA GREENWICH))

From	To	Type of Train	Line(s)	Remarks
Angerstein Wharf	Charlton	Freight vehicles	Both directions	Trains may be propelled in accordance with Rule Book Module SS2, Section 4.8. Freight vehicles only subject to a maximum of 53 SLU. A competent person must ride on leading vehicle.

Dated: 02/12/06

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SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

BRIXTON STATION

Class 508 units

On completion of track renewals work at Brixton on 26/04/20 Class 508 units will no longer be cleared to run as per the sectional appendix between Brixton Jn and Herne Hill North Jn due to gauging restrictions along platform 2 at Brixton.

The sectional appendix page will be amended in due course to show that:

Class 508's are prohibited on the Down line between Brixton Jn and Herne Hill North Jn through platform 2 at Brixton on the Down Chatham

Dated: 26/05/2020

SO110 – VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

London Victoria Platforms 5&6

Restriction on 12 Car Permissive Working in platforms 5&6 at London Victoria
Permissive working in platform 5 and 6 is permitted if it is not attaching or detaching coaches that equal to a 12 car formation

The attaching & detaching of formations equalling to 12 Cars is **prohibited** in Platforms 5&6 at Victoria Station. This is to mitigate against the possibility of a train passing VS11 or VS13 at Danger during the movement due to restricted platform space

Note: this instruction does not affect Emergency Permissive Working

Dated: 18/12/2021

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

Brixton Jn

Drivers of down trains via Shortlands Junction may accept a signal cleared for an alternative route without stopping to ascertain the reason provided the train is not booked to call at any intermediate station or siding on the scheduled route.

Dated: 02/12/06

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

HERNE HILL

Turnback Siding
Due to the gradient of the Siding it is necessary for drivers to stop the train at the appropriate stop car mark to make sure the London End cab stops in the correct position.
Additionally only 1 train is permitted in the Siding at any one time.

Dated: 27/09/08

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

HERNE HILL

Platform 4

Only the following classes of trains are authorised to terminate in platform 4 to return towards London: -

375, 376, 377, 395, 465 or 466 & 700

The driver must not leave the train unattended except when changing ends.

Berthing of trains is not permitted.

Dated: 26/01/2019

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

Shortlands Jn

Drivers of up trains via Brixton Junction or Loughborough Junction. may accept a signal cleared for an alternative route without stopping to ascertain the reason provided the train is not booked to call at any intermediate station or siding on the scheduled route.

Dated: 02/12/06

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

Bickley Jn To Shortlands Jn

Preliminary Route Indicators
Two preliminary route indicators are provided on the approach to Shortlands Junction on the Up Fast line to give drivers advanced warning of the route to be taken on signal VS178, one at the country end of Bromley South platform and one on the approach to VS184 signal. These indicators take the form of a black rectangle on which an illuminated arrow indicates the route set when signal VS178 is showing a proceed aspect. If VS178 is not showing a proceed aspect the Preliminary Route Indicators will remain blank.

One of the following indications will be displayed:

Up Chatham Fast	Up Ravensbourne Chord (Catford Loop)

Dated: 20/09/08

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

ST MARY CRAY To SWANLEY

Swanley WHEELCHEX

Wheel load impact detection monitoring (WHEELCHEX) equipment is installed on the Up Fast line and the Up Slow line at 16m 08ch.

The purpose of this equipment is to minimise the possibility of damage to track caused by wheel defects or overloaded vehicles and to provide details of all trains with wheel loads outside acceptable limits.

It measures train / vehicle wheel loads and impact forces and is programmed to alert Kent Route Control when Alarm levels are generated.

The Network Rail Route Control Manager must action the alarms generated by advising the signaller(s) concerned that trains are to be brought to a stand using the normal signal sequence and any further action will depend upon the level of alarm generated.

Dated: 07/03/09

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

SWANLEY

Before shunting movements from the down siding to Swanley via the crossover between the down and up lines are commenced, the Traincrew or Shunter must obtain the Signaller's authority, ascertain the point to which the movement will run, and instruct the Driver accordingly.

Dated: 02/12/06

SO110 – VICTORIA TO RAMSGATE (VIA HERNE HILL)

ROCHESTER BRIDGE JN

Bridge No.1046 (River Medway).

Due to restricted clearances between signalling equipment mounted off this bridge and the Up Chatham line, traincrew of trains passing over the Up Chatham line must not put their heads out of the train on the cess side whilst passing over this bridge.

A sign worded: 'DANGER Do not lean out' is provided at the country end of the bridge, adjacent to the Up Chatham line facing trains in the Up direction, to warn drivers of approaching trains.

A series of signs worded: 'DANGER Do not lean out of the window' are provided along the entire length of the bridge to warn both traincrew and passengers on trains passing over the bridge.

Dated: 29/03/16

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

ROCHESTER

Down Rochester Loop

The detaching of traction units or vehicles from a train in accordance with Rule Book Module SS2, Section 7 is not allowed.

Dated: 05/11/16

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

GILLINGHAM

Down Sidings

Before a movement takes place from or within the Down sidings the Driver or Trainman/Shunter must first obtain authority from the Signaller. The Signaller must only allow one movement to be made in the sidings at any one time.

When trains are propelled out of the sidings, the movements must be controlled by the Trainman/Shunter who must be positioned with due regard to the Driver's line of sight and their own personal safety.

Dated: 01/07/16

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

RAINHAM

Routing of Down EMU trains towards Platform Nos. 0 and 1

Due to conductor rail gapping issues, a single two car EMU train must not be routed from/allowed to proceed from Down Chatham signal EK4157 to Platform Nos. 0 or 1.

Dated: 29/03/06

SO110 - VICTORIA TO RAMSGATE (VIA HERNE HILL AND CHATHAM)

FAVERSHAM

Up Sidings No 1, 2 & 3
Only the following classes of trains are authorised to berth in the Up Sidings 1, 2 & 3 at Faversham: -

- Classes 375,376,377, 395, 465 and 466

Dated: 07/11/09

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

CANNON STREET

A single 2-car unit in passenger service is prohibited from working into the station. Vehicles with a distance greater than 17.5 metres between adjacent wheel sets are prohibited. Movements to the Metropolitan reversible line must be driven from the leading end.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

CHARING CROSS

Diesel Traction
Drivers must ensure that diesel traction units are not stopped, where possible, under the canopy at Charing Cross station. Where this is not possible, the driver must ensure that engines are shut down immediately after arrival and only restarted when essential to do so prior to departure from Charing Cross station.

Explanatory note: The above item is necessary to prevent diesel fumes from activating smoke detectors and also to prevent the pollution of accommodation above the canopy and station concourse area.

Dated: 31/01/09
Dated: 17/07/2022

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Ashford International Platforms 3&4

Restrictions on trains using international platforms (Excluding Eurostar international services)

Platforms 3&4 at Ashford international can be used by non-international services, this may include chartered services, all freight classes, MPV's & OTM.

No Domestic passenger services are permitted to use these platforms.

Passengers of any chartered service are not permitted to exit the train onto the platforms unless an emergency situation has occurred and the train must be evacuated immediately.

If operational staff require to exit the cab onto the international platforms to undertake operational duties, they must wear railway issued orange hi-vis vest & must not exit the platform unless:

- This has been agreed prior with Ashford International border security management.
- An emergency situation has occurred which requires staff to evacuate from the train & platform immediately via the emergency exits.

Dated: 17/07/2022

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SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

CHARING CROSS

Platform Capacity

Because of the substandard width of platforms at the country end, the maximum number of vehicles that can be accommodated at each platform varies according to the type of stock in accordance with the following table:

		Classes 375/377	Classes 319/455	Classes 465/466
Platform	1	12(1)	12	12
	2	12(1)	12	12
	3	12(1)	12	12
	4	12(1)	8	10(2)
	5	12(1)	8	10(2)
	6	12(1)	8	10(2)

If two trains are to be accommodated at the same platform, the total number of vehicles must be determined by referring to the above table and using the number given for the second train arriving.

Notes:-

- Selective Door Opening (SDO) will only release doors on front 11 coaches.
- If two trains are to be accommodated in platforms 4, 5, or 6, and the second train arriving is formed of a Class 465 / 466 then the total number of vehicles must NOT exceed 10.

Dated: 07/05/16

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Metropolitan Jn To CANNON STREET

Vehicles with a distance greater than 17.5 metres between adjacent wheel sets are prohibited.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

WATERLOO EAST To NEW CROSS

Passing Signals at Danger - Forward Route Setting

Due to conductor rail gapping issues, the signals listed below are provided with 'Forward Route Setting' controls. These signals require the route to be set before the signal in rear will clear to a proceed aspect. This is to avoid trains stopping on the approach to the signal and becoming gapped.

When it is necessary to pass a signal with 'Forward Route Setting' controls at danger, the Signaller will give the driver authority to pass the affected signal at danger from the signal in rear to avoid a train stopping at the affected signal and becoming gapped. Where possible, the Signaller will set the route from the affected signal to enable the signal in rear to clear to a proceed aspect after the Driver has been given the necessary instructions.

If it is not possible to set a route from a signal with 'Forward Route Setting' controls and it is necessary to pass both the affected signal and signal in rear at danger, the Signaller will authorise the driver to pass both signals at danger from the first signal. It will not be necessary for Temporary Block Working to be introduced in this instance.

Signal	Line	Applies From
TL2421	Up Cannon Street (Platform 2 Down Direction)	TL2527
TL4414	Up Charing Cross	Signal TL2014
TL2212	Up Snow Hill	Signal TL4414
TL2212	Up Charing Cross Slow	Signal TL2012
TL2031	7 Reversible	Signal TL2903
TL4013	9 Reversible	Signal TL2037 Signal TL2733
TL4118	9 Reversible	Signal TL2226 Signal TL2028

Dated: 01/01/2018

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

LONDON BRIDGE

Permissive Working - Running around engineering trains

Permissive Working is authorised as shown below:

London Bridge	
London Bridge 2 Reversible / Platform 2	Between Signals TL2422 and TL2416 for engineering trains class 6,7, 8 and 0 only
London Bridge Platform 8	Between Signals TL2222 and TL2218 for engineering trains class 6,7, 8 and 0 only
7 Reversible / Platform 9	Between Signals TL2224 and TL2020 for engineering trains class 6,7, 8 and 0 only

Running around a train in London Bridge platform 2

Locomotives running round an engineering train from the London End of London Bridge platform 2 must be run into a platform at Cannon Street station to enable the driver to change ends of the locomotive.

Where both the train and locomotive will fit within the confines of Platform 2, the locomotive may be 'called on' to the train in platform 2. The train will start back on the authority of the Platform 2 starting signal TL2425 and/or any other instructions given by the signaller

Where an engineering train that is to be run round exceeds the overall length of platform 2 and occupies any of the track circuits BLN, BLP, BLM, BLP, BLS, the locomotive must be run round the train via Platform B at New Cross and return to London Bridge via 2 Reversible line and signal TL2422 or TL2420 (as appropriate) will be used to 'Call On' the locomotive onto the train/wagons.

The driver before exiting the locomotive to couple the train/wagons together and/or change ends, will contact the signaller and request either line 1 Down or line 3 Up to be blocked. (This will depend upon which side the conductor rail is located).

The signaller will block the line requested by the driver in accordance with General Signalling Regulations 13.1 between signals:

Line	From Signal	To Signal
1 Down	TL2533	TL2537
3 Up	TL2524	TL2520

Once the locomotive has been coupled and the driver/any other staff (shunter) involved, are in a position of safety on the locomotive/clear of the running lines, the driver must contact the signaller and give up the line blockage.

The train will start back on the authority of signal TL2427.

The driver must advise the signaller when the train is ready to depart, obeying the aspect shown on signal TL2427 and/or any other instructions given by the signaller.

Running around a train in London Bridge platform 8

Engineering trains being run round using platform 8 must not exceed 24 SLU's plus locomotive(s) (equivalent of 12 mk1 coach lengths)

Once detached from the train, the locomotive will run round the train/wagons via platform 9 and then signalled onto 7 Reversible line behind signal TL2224.

When the Locomotive has stopped behind TL2224 on line 7 Reversible, the driver must contact the signaller and request the adjacent line 8 Up to be blocked to enable the Driver to change ends of the locomotive.

The signaller will block the adjacent line 8 Up in accordance with General Signalling Regulations

Line	From Signal	To Signal
8 Up	TL2028	TL2026

The driver must change ends using the walkway between line 7 Reversible and 8 UP and when back in a position of safety on the locomotive; the driver must contact the signaller and give up the line blockage.

The locomotive will then be signalled on to the train/wagons in platform 8.

The train will start back on the authority of the Platform 8 starting signal TL2831 and/or any other instructions given by the signaller.

Running around a train in London Bridge platform 9

Where an engineering train that is to be run round on the Charing Cross lines, will exceed the overall length of 24 SLU's plus locomotive(s) (equivalent of 12 mk1 coach lengths) the train MUST use platform 9.

Once detached from the train, the locomotive will run round the train/wagons via platform 8 and then signalled onto 7 Reversible line behind signal TL2224.

When the Locomotive has stopped behind TL2224 on line 7 Reversible, the driver must contact the signaller and request the adjacent line 8 Up to be blocked to enable the driver to change ends of the locomotive.

The signaller will block the adjacent line 8 Up in accordance with General Signalling Regulations:

Line	From Signal	To Signal
8 Up	TL2028	TL2026

The driver must change ends using the walkway between line 7 Reversible and 8 UP and when back in a position of safety on the locomotive; the driver must contact the signaller and give up the line blockage.

Where both the train and locomotive will fit within the confines of Platform 9, the locomotive may be 'called on' to the train in platform 9. The train will start back on the authority of the Platform 9 starting signal TL2903 and/or any other instructions given by the signaller.

Where the rear of the train/wagons being run round occupies track circuits HWG and/or HTM, the locomotive will be signalled onto the train/wagons using either TL2224 or TL2024 as appropriate.

When the Locomotive is has stopped at the train, the driver will contact you and request the adjacent line 7 Reversible/Platform 8 to be blocked to enable the Driver/Shunter to couple the locomotive to the train and change ends of the locomotive.

You must block the adjacent line 7 Reversible/Platform 8 in accordance with General Signalling Regulations 13.1 between signals:

Line	From Signal	To Signal
7 Reversible/Platform 8	TL2224	TL2218

Once the locomotive has been coupled and the driver/any other staff (shunter) involved, are in a position of safety on the locomotive/clear of the running lines, the driver must contact the signaller and give up the line blockage.

The train will start back on the authority of signal TL2031.

The driver must advise the signaller when the train is ready to depart, obeying the aspect shown on signal TL2031 and/or any other instructions given by the signaller.

Dated: 01/01/18

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

LONDON BRIDGE To NEW CROSS

Working of trains over bi-directional/reversible lines between London Bridge and New Cross during a failure of signalling equipment

Failure of Signals

In the event a signal fails affecting a bi-directional/reversible line listed below, the Signaller will authorise trains to pass the affected signal(s) at danger in accordance with the Rule Book, Module S5, and working by pilotman will not be introduced.

Failure of Track Circuits

In the event a track circuit fails affecting a bi-directional/reversible line listed below, after clearing any trains trapped by the failure, the Signaller will elect a single direction for which all subsequent trains will pass over the bi-directional/reversible line for the duration of the failure and working by pilotman will not be introduced.

If it is necessary to work trains in the direction opposite to that elected, Working by Pilotman will be introduced for all trains over the affected portion of line.

Until the failure is rectified or working by pilotman is introduced the Signaller will allow trains to proceed over the bi-directional/reversible line in the direction elected, authorising the Driver to pass any affected signals at danger in accordance with the Rule Book, Module S5.

The Southwark Reversible line shall always be elected in the UP direction

London Bridge Platform 4 and Platform 7 lines shall always be elected in the DOWN direction.

If Working by Pilotman has been introduced it will not be withdrawn until the failure has been rectified, or the service withdrawn.

Bi-directional lines

- Down Cannon Street – (between 712 & 7155 points)
- Up Cannon Street – (between 7153 & 713 points)
- London Bridge 2 – (between 7153 & 7171 points)
- London Bridge Platform 3 – (between 7153 & 7173 points)
- 2 Reversible – (between 7171 & 7402 points)*
- Southwark Reversible – (between 7322 & 7279 points)
- 4 Down – (between 7322 & 7343 points)
- Platform 4 London Bridge / 4 Down – (between 7162 & 7195 points)
- Platform 6 London Bridge / 6 Down – (between 7160 & 7233)
- Platform 7 – (between 7152 & 7183 points)
- 7 Reversible - (between 7183 and 7275 points)
- 8 Up - (between 7230 & 7265 points)

* Trains may be permitted to be signalled across 2 Reversible Line to/from an unaffected Line to/from the Up/Down Greenwich Line providing these trains can be signalled normally.

Dated: 01/01/2018

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

ST. JOHNS

Drivers of down trains via Hither Green may accept a signal cleared for an alternative route without stopping to ascertain the reason provided the train is not booked to call at Lewisham.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

HITHER GREEN

Freight sidings

The hand brake must be applied on every freight vehicle stabled on the London side of the gradient change marker board.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

HITHER GREEN

Detention of trains.

When a train or shunting movement is detained at either of the undermentioned position light signals, the Driver, Guard or Shunter in Charge of the movement must immediately remind the Signaller of its presence:-

Signal	Line
1304	Freight Sidings Arrival/Departure sidings
1306	Down EMU Arrival/Departure sidings

Dated: 02/12/06

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

HITHER GREEN

Pre-assembly depot and motive power depot.

The Person in Charge of a movement which requires to pass the ‘Stop’ board towards position light signal L1301 at the exit from the pre-assembly depot and motive power depot sidings and return behind a ‘Stop’ board must, when the movement is complete and again on the depot side of the board, advise the Signaller.

A member of the Traincrew must, when an incoming movement is inside the depot clear of the respective 'Stop' board, advise the Signaller.

Trains that are required to proceed via Hither Green or Lee station must not be propelled out of either the pre-assembly depot or motive power depot. Instead they must be hauled out into one of the following lines:-

- Down Slow Line behind position light signal 1314
- No. 3 Carriage Washer Line behind position light signal 1312
- N0. 4 Carriage Washer Line behind position light signal 1308

When the train has stopped behind the relevant position light signal, the assisting locomotive must be detached and the train continue its journey hauled by the train locomotive.

Trains (excluding locomotives) must not exceed the following lengths:-

- Down Slow Line 24 SLU
  (unless the Signaller can give an assurance that signal L303 will show a proceed aspect)
- No. 3 Carriage Washer Line 32 SLU
- No. 4 Carriage Washer Line 32 SLU

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

HITHER GREEN

Working of trains conveying passengers on the Down and Up Lee Spur lines.
When it is necessary for a passenger train to travel over the Down or Up Lee Spur lines the Signaller will advise the Person in Charge. The Person in Charge must arrange for all movements in the Freight sidings to come to a stand, after which an assurance must be given to the Signaller that all movements are at a stand and that no further movement will be permitted until the Signaller's authority has been obtained.

Dated: 02/12/06

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

ORPINGTON

DOO trains starting from the Down Sidings
Drivers of outgoing DOO trains from Down Carriage Sidings 1, 2, 3 or 4 must operate the 'Train Ready To Start' plunger immediately before the train is ready to depart. The DOO radio cannot be set up at signals 2019, 2021, 2023 or 2025. Drivers must set up on the next convenient signal.

Dated: 02/12/06

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

SEVENOAKS

Traincrew or Shunters working trains from the sidings must inform the Signaller when ready to depart and instruct the Driver when the shunting signal controlling exit from the down siding is cleared.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

TONBRIDGE

International Freight Trains Conveying SBI -C Gauge traffic
Any freight train shown in the working timetable or supplements to the Freight and Departmental Train Service with a club symbol (♣) must not be routed over the Down Slow or Up Slow line through Tonbridge.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

TONBRIDGE

Down main sidings
Before any movement is made towards position light signal 2063, the Guard or Shunter must inform the Signaller that the train is ready to depart.

Dated: 17/01/09

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

TONBRIDGE

Tonbridge Engineers Siding (Priory Road OTM Operations base)
Access to the Maintenance Workshop via the headshunt in No 2 siding is restricted to Multi Purpose Vehicles (MPV) only.

Dated: 24/01/09

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

PADDOCK WOOD

The Guard of an outgoing train in the Down Bay platform must operate the 'Train Ready to Start' plunger immediately before the train is ready to depart.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

ASHFORD To WESTENHANGER

Sevington "Gotcha WILD" (Wheel Impact Load Detection)

Wheel load impact detection monitoring (Gotcha WILD) equipment is installed on the Up and Down Main line at 58m 42ch.

The purpose of this equipment is to minimise the possibility of track damage caused by wheel defects or overloaded vehicles and to provide details of all trains with wheel loads outside acceptable limits.

It measures train / vehicle wheel loads and impact forces and is programmed to alert Kent Route Control when Alarm levels are generated.

In the event of an Alarm activation the Kent Route Control will contact the Workstation 4 Signaller at Ashford Integrated Control Centre and advise of the action required by the Signaller dependent upon the level of alarm generated.

Dated: 16/07/11

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

ASHFORD To FOLKESTONE WEST

Between Herringe and Network Rail / Eurotunnel Boundary
Patrolman's Instruments 1512, 1513, 1514, 1515 and 1516 covering the area between Herringe and the Network Rail/Eurotunnel interface must not be used.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

ASHFORD

Propelling movements between station and down or up yards

Before a movement is commenced the Person in Charge must give details to the Signaller who must, when the complete route has been set and the appropriate signals cleared, indicate the route which the movement will take and the point to which it is to run. When the Trainmen have been informed the movement may commence.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

ASHFORD

East Berthing Sidings and Crane Depot

Movements out of the sidings
The Driver of a train from the East Berthing Sidings must ask the Signaller for permission to draw up to Position Light Signal AD2132 or AD2134. The Driver must operate the “Train Ready to Start” button.

Movements into the Crane depot
The Person in Charge of incoming movements is the only person who is authorised to place the Acceptance Switch in the ‘clear’ position.

Turning the Acceptance Switch to the ‘clear’ position enables the Signaller to clear the signal for the movement into the Depot. When the inward movement has passed clear of position light signal AD2130, the Acceptance Switch must be returned to the ‘blocked’ position.

If an incoming movement has to be stopped in emergency after the Acceptance Switch has been turned to the ‘clear’ position, it must be returned to the ‘blocked’ position in addition to carrying out the provisions of the Rule Book.

Dated: 20/09/08

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

ASHFORD

Newtown Berthing Sidings

Movements into the sidings
The Person in Charge of incoming movements is the only person who is authorised to place the Acceptance Switch in the ‘clear’ position.

Turning the Acceptance Switch to the ‘clear’ position enables the Signaller to clear the signal for the movement into the sidings. When the inward movement has passed clear of position light signal AD2128 the Acceptance Switch must be returned to ‘blocked’ position.

If an incoming movement has to be stopped in emergency after the Acceptance Switch has been turned to the ‘clear’ position, it must be returned to the ‘blocked’ position in addition to carrying out the provisions of the Rule Book.

Movements out of the sidings
When a movement is ready to leave the sidings the Driver, Guard or Shunter must advise the Signaller before operating the ‘Train Ready to Start’ button.

Dated: 20/09/08

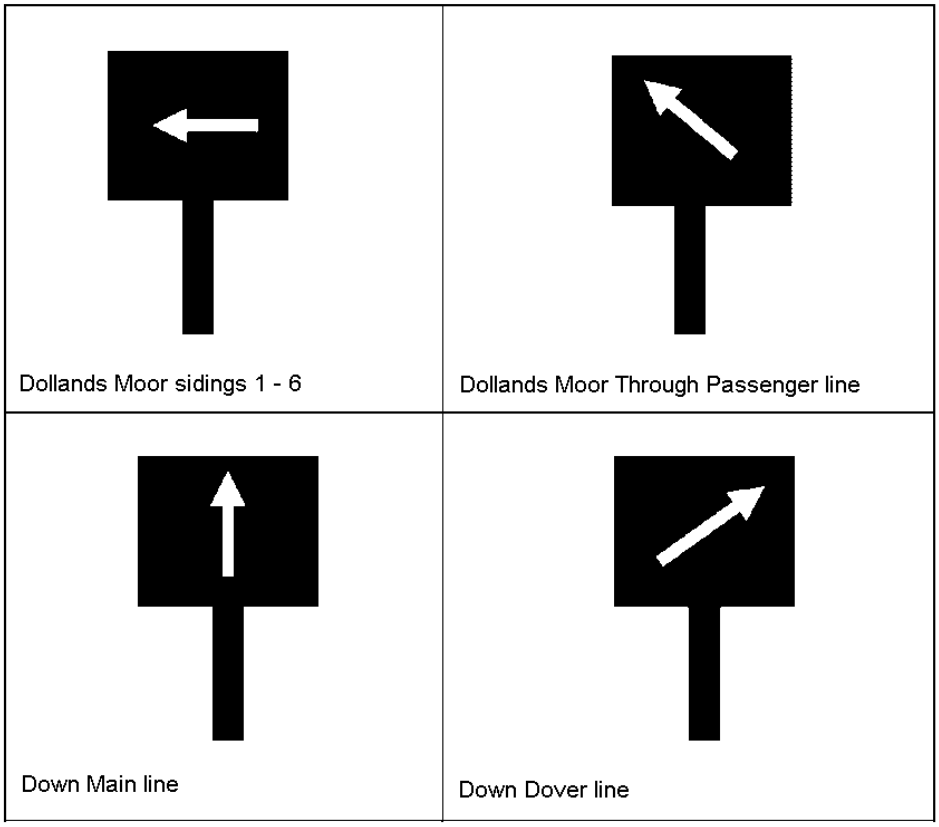
SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Sandling Tunnel To Saltwood Jn

Preliminary Route Indicators

Two preliminary route indicators are provided on the approach to Saltwood Junction to give drivers advance warning of the route to be taken at signal AD755, one at the entrance to Sandling tunnel and one on the approach to Saltwood tunnel. These indicators take the form of a black rectangle on which an illuminated arrow indicates the route set when signal AD755 is showing a proceed aspect. If AD755 is not showing a proceed aspect the Preliminary Route Indicators will remain blank.

One of the following indicators will be displayed:



Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Dollands Moor – Through Passenger Line

Freight trains are permitted to stable on the Through Passenger line between AD796 and AD813 signals provided that the train locomotive remains attached to the train throughout.

Dated: 19/12/09

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Saltwood Jn

In connection with an Absolute Possession that includes Saltwood Junction, the method of protection of the Up and Down Fast lines shall be by Zone Protection between the junction and the Network Rail and Eurotunnel land boundary. The PICOP must contact the Ashford Workstation 5 Signaller and ask for the protection to be applied. The Ashford Workstation 5 Signaller shall arrange for Zone Protection in accordance the Module 5, CTRL Interface Instructions, and inform the PICOP when the protection is in place. The protection must remain in place and only removed on the authority of the PICOP.

Dated: 02/12/06

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Shakespeare Tunnel

Class 395 units

If a train becomes disabled after entering the tunnel, or is unable to continue to exit the tunnel, the driver will attempt to stop the train at the special marker boards positioned in the tunnel.

If the train is unable to be moved clear of the tunnel, in either direction, then arrangements will be made to evacuate the passengers into a train standing in the opposite bore using one of the special cross passage way platforms located within the tunnel. The special marker boards are fixed to the tunnel wall to assist drivers of these units stopping their train at a suitable cross passage way connection.

Dated: 05/09/09

SO130 - CHARING CROSS / CANNON STREET TO DOVER PRIORY / EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Shakespeare Tunnel

Owing to the restricted clearances in Shakespeare tunnel only trains fitted with gangways and end vestibule doors are permitted to convey passengers through the tunnel. Locomotive hauled trains are only permitted to convey passengers through the tunnel with a locomotive at the leading end.

However if the train consists of any vehicle that has inward opening doors then it is permitted for such train to operate with a locomotive at each end (top & tailed) if required.

See separate instruction for trains formed of Class 395 stock

Dated: 10/03/12

SO130 - CHARING CROSS/CANNON STREET TO DOVER PRIORY/EUROTUNNEL INTERFACE (VIA TONBRIDGE)

Entire Line Of Route

1 KVB Train Protection System

1.1 KVB is a train protection system using on-board equipment and beacons on the track.

KVB will:

- constantly monitor and control the maximum speed of trains
- monitor the speed of trains approaching colour light signals displaying a “DANGER” aspect
- monitor the passing of colour light signals displaying a “DANGER” aspect
- monitor the speed of trains approaching a reduction in permissible speed

1.2 Location

The KVB train protection system is fitted to signals on the International Chords and Platforms 3 and 4 in Ashford station. The purpose of this system is to give SPAD protection and speed monitoring to Eurostar trains which are not fitted with AWS or TPWS.

The system is invisible to trains not fitted with KVB. Southeastern high speed trains are fitted with KVB and will encounter some fitted signals. The following instructions apply in this area.

1.3 List of fitted signals

Signals controlled by Ashford Workstation 4 signaller:

AD669, AD671, AD672, AD674, AD947, AD949, AD954, AD956.

Signals controlled by the Ashford HS1 signaller:

AF312, AF313, AF318, AF319

1.4 Definitions

Terms

Term	Meaning
KVB	A train protection *system (~~Controle~~ Kontrolle de Vitesse par Balise: Kontrol Velocity with Balise)*
“panne engine”	A defect in the KVB on-board equipment
“pane sol”	A defect in the KVB ground equipment

2 Train protection system (KVB)

2.1 The KVB system does not relieve you of your responsibility for observing colour light signals and speed restrictions.

2.2 Where the system is located and what it does

2.2.1 KVB is a train protection system using on-board equipment and balises on the track. KVB will:

- constantly monitor and control the maximum speed of trains
- monitor the speed of trains approaching colour light signals displaying a “DANGER” aspect
- monitor the passing of colour light signals displaying a “DANGER” aspect
- monitor the speed of trains approaching a reduction in permissible speed

2.2.2 KVB is provided in the colour light signal controlled area of the International Chords and through Platforms 3 and 4 at Ashford International Station.

3.1 KVB cab equipment

3.1.1 The KVB cab equipment consists of a console which contains:

- an auxiliary indicator, and
- a principle indicator, and
- a number of function buttons

3.1.2 The indications displayed in the indicators are described in traction specific instructions.

3.2 KVB operation

3.2.1 The KVB system will become active after passing over a balise on the approach to the Ashford colour light signal controlled area.

3.2.2 From that point the KVB system will monitor the speed of the train and signal aspect until the train leaves the KVB controlled area.

3.2.3 If the KVB system detects that the train is travelling at a speed of 5 km/h but less than 10 km/h than the permitted speed, audible and visual warnings will be given.

3.2.4 You must immediately reduce the speed of the train to the permitted speed or less. Provided you reduce the speed of your train sufficiently:-

- the audible warning will stop, and
- the visual indication will be extinguished.

3.2.5 If the KVB system detects that the train is travelling at a speed of 10 km/h or more than the permitted speed the system will:-

- make an emergency brake application,
- give additional visual indications, and
- open the Traction Circuit Breaker (cut traction power).

3.2.6 When an automatic brake application is initiated as a result of the operation of the KVB system, you must:-

- confirm the KVB brake application, and
- make sure the train is stopped, and
- immediately tell the signaller what has happened, and
- carry out the signaller’s instructions, and
- not make any further movement with your train until you are told to do so

3.2.7 If, when approaching a colour light stop signal displaying a DANGER aspect you see the signal change to display a “Proceed” aspect, you must not resume normal speed until you have passed the signal concerned.

3.3 Temporary isolation of KVB on-board equipment

3.3.1 After isolating the KVB system, you must record that you have done so in accordance with your company’s procedures.

3.3.2 You must return the KVB isolating switch to the "normal" position when :-

- assistance to the failed train is no longer needed and your train has been uncoupled, or
- leaving a Worksite.

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3.4 KVB train stop override

3.4.1 If you are authorised to pass a colour light stop signal at DANGER by the issue of the appropriate form, your train must be less than 100 metres from the signal concerned.

3.4.2 You must :-

- press the BP-FS button before proceeding, not more than 60 seconds before passing the signal, and
- obey any KVB indications, and
- run under “Proceed on Sight” conditions until either:
  - (a) you reach the next colour light signal, or
  - (b) the cab signalling is armed.

4 System failures and procedures

4.1 KVB on-board equipment becoming defective

4.1.1 You must consider the KVB equipment on your train to be defective if the “panne engine” indication becomes illuminated.

4.1.2 If a Eurostar train is to enter the Ashford colour light signal controlled area, it must stop before leaving the area controlled by cab signalling. You must agree a suitable location where the train is to stop with the (HS1) signaller.

Southeastern trains must not proceed from Ashford towards HS1 with defective KVB.

4.1.3 When you have stopped, you must:

- consult the traction specific instructions for the type of traction unit concerned, and
- tell the signaller when you are ready to proceed.

4.1.4 If it becomes necessary to isolate the KVB equipment on your train in order to overcome the defect, you must:

- tell the signaller, and
- not move the train until authorised to do so, and
- carry out the instructions given to you.

The signaller will authorise you to proceed.

4.1.5 You will be told of the location of any temporary speed restrictions imposed using lineside signs by the signaller.

4.2 KVB ground equipment becoming defective

4.2.1 If the “panne sol” indication becomes illuminated, you must tell the signaller as soon as possible that:

- a warning indication has been received that the KVB ground equipment has become defective, and
- the location where the indication was received.
  - (a) KVB train protection system

5 If the KVB train protection equipment in the driving cab becomes defective during the journey, you must:

- apply the instructions above, and
- consult the traction specific instructions for the type of traction unit concerned, and
- tell the signaller.

Dated: 25/03/2018

SO150 - SITTINGBOURNE (EASTERN JN.) TO SHEERNESS-ON-SEA

Kingsferry Bridge

Drivers must avoid bringing their trains to a stand on the bridge.

Dated: 02/12/06

SO150 - SITTINGBOURNE (EASTERN JN.) TO SHEERNESS-ON-SEA

SHEERNESS-ON-SEA

The maximum length of freight trains which can be accommodated within the platforms at Sheerness on Sea station are:

Platform 1 – 34 SLU's

Platform 2 – 21 SLU's

Freight trains up to a maximum length of 48 SLU's for Sheerness Goods North Siding can be accommodated at Sheerness on Sea station but must arrive in platform 1. On arrival at Sheerness on Sea the driver must draw completely into the platform. After the train has been timed to a stand the North Siding Shunters acceptance may be given and signal EV826 (Platform 1 Starting Signal) cleared for the movement, even though the rear of trains longer than 34 SLU's will still be standing beyond EV826 signal. Rule Book Module S7 section 4.2.

Dated: 07/12/13

SO160 - FAVERSHAM TO DOVER PRIORY

Dover Priory Light Maintenance Depot No.3 Siding

Number 3 siding at Dover Priory Light Maintenance Depot is only permitted to be used by trains formed of multiple unit stock.

Dated: 12/02/21

SO170 - TONBRIDGE TO BO PEEP JN

TUNBRIDGE WELLS

Turnback Siding

Only the following classes of trains are authorised to enter the Turnback siding and return towards Tunbridge Wells station:

Classes 375,376,377,465 and 466

Dated: 12/12/09

SO170 - TONBRIDGE TO BO PEEP JN

TUNBRIDGE WELLS To Bo Peep Jn

Electric trains must not exceed 8 cars or a conductor rail current index of 8 unless authorised by Network Rail Control.

Note: Electric trains of up to 12 coaches are permitted between Tunbridge Wells station and Tunbridge Wells Turnback siding only.

Dated: 12/12/09

SO170 - TONBRIDGE TO BO PEEP JN

ROBERTSBRIDGE

Rail connection to the Rother Valley Railway

A rail connection is provided between Robertsbridge Down Siding and the Rother Valley Railway.

Hand points are provided on the Down siding and on the Rother Valley Railway which normally are secured to restrict any movement between the two.

Additionally a secure gate and raised derailing equipment is also provided.

A key for the secured points and derailer equipment is located at Robertsbridge Signal Box.

Train/vehicle movements between Network Rail infrastructure and Rother Valley Railway

Before any train movement takes place a Nominated Competent Person from the Rother Valley Railway must request from the signaller the keys for the points and derailers.

A Network Rail competent Ground Frame operator will be provided to operate the ground frame between the Up and Down Main line and the Down siding and unlock and open the security gate on the connection.

Following the train/vehicle movement between Robertsbridge Down siding and the Rother Valley Railway the hand points, derailers and security gates must be secured to prevent further movements over the connection.

The keys for this equipment must be returned to the signaller at Robertsbridge Signal Box.

Dated: 14/01/2017

SO170 - TONBRIDGE TO BO PEEP JN

Mountfield Tunnel

Single and bi-directional (reversible) lines - working by pilotman

The instructions shown in the Sectional Appendix, section 1 'Single and Bi-directional lines – Working by Pilotman' do not apply at this location; the following specific instructions apply instead:

Should there be a failure of a track circuit on the double line sections of railway between:

- Down line RB17 signal to RB16 signal
- Up line RB6 signal to RB2 signal

Working by Pilotman need not be introduced, but the signaller must advise the driver of the circumstances and instruct him to pass the signal at danger and to proceed cautiously over the affected portion of the line, in accordance with the Rule Book Module S5.

Should there be a failure of a track circuit on the single line section (including the points each end) then working by Pilotman must be introduced.

Once working by Pilotman has been introduced, it must not be withdrawn until after the failure has been rectified, or the service withdrawn. If it is necessary to run trains after the withdrawal of Pilotworking, and the original fault still exists, then Working by Pilotman must be re-introduced for every train.

The Rule Book, Module P2, Section1 'Working of single lines by Pilotman is modified accordingly.

Dated: 02/12/06

SO180 - PADDOCK WOOD TO MAIDSTONE WEST

Yalding LC (ABCL)

If the flashing Drivers lights situated on the approach to this crossing fail to start automatically, or if they stop because of a delay to the train, the Driver must depress the plunger provided beneath the flashing light.

Dated: 02/12/06

SO210 - APPLEDORE TO LYDD TOWN (GOODS LINE)

Lydd Town LC (TMO)

The level crossing gates are normally closed and locked across the railway and a member of the DRS Traincrew or the EWS Travelling Shunter must be in possession of the relevant key(s) prior to departure. After the gates have been opened and secured across the roadway the Driver may be authorised to pass the 'stop' board and proceed over the crossing. The gates must be closed and locked across the line when the movement has been completed.

The EWS Travelling Shunter and the DRS Traincrew must be in possession of emergency radio handset(s) for us on the Lydd branch. In the event of accident, incident or other unusual occurrence the Traincrew or Travelling Shunter must contact Workstation 3 Signaller at Ashford signalling centre on 00 78089.

Dated: 20/09/08

SO220 - ASHFORD TO RAMSGATE (VIA CANTERBURY WEST)

BETWEEN HORTON UWC AND DIBLEYS FP (R/G-X) LEVEL CROSSINGS

No TSR/ESR shall terminate between 67m 33ch and 66m 79ch on the Up Main due to stopping/non-stopping controls associated with Dibley's FP (R/G-X) crossing.

Dated: 02/09/2023

SO230 - FOLKESTONE EAST TO FOLKESTONE HARBOUR

Entire Line Of Route

Locomotive Hauled Trains

The maximum loads for up direction locomotive-hauled trains are as follows:-

Class of locomotive	Tonnes
08, 09	140
33	250
47	375
73 working on diesel power	210

An assisting locomotive must be provided when the weight of the train exceeds the permitted load of the train locomotive. The maximum permitted load, when two locomotives are provided, may be calculated by adding together the loads for each locomotive. When an assisting locomotive is provided it must be attached to the rear of the train.

Locomotive-hauled passenger trains are authorised to work from Folkestone East to Folkestone Harbour and back with a locomotive coupled at each end. To ensure that at no time are the train power supply jumper cables connected between more than one locomotive and the train, the following procedure will apply:-

At Folkestone East

If the locomotive to be attached to the London end of the train is not required to supply power for heating etc., the attachment may be made while the jumper cables are connected between the train and the Dover end locomotive.

At Folkestone Harbour

If it is required to supply power to the train from the locomotive which was attached at Folkestone East, the jumpers at the Dover end of the train must first be disconnected. Before doing so, the Shunter must ascertain that the train power supply from the locomotive is switched off. This must again be done, in respect of the second locomotive, before the jumpers are connected at the other end of the train.

The rear locomotive must not provide traction power unless this is required in the up direction for assistance purposes.

Passenger trains from the direction of Dover to Folkestone Harbour and vice versa are permitted to proceed from the up line towards Dover or to the train roads under the authority of a Handsignaller, when position light signal 62 has been cleared. In the case of trains for Folkestone Harbour the Driver must be advised to which train road the train is to run.

Locomotive operated passenger trains must not be propelled and, where necessary, movements to or from the Train Roads must be made with a locomotive at each end.

The 'Person in Charge' must advise the Signaller of departure details of trains placed in the berthing sidings. Traincrew of trains berthed must, immediately prior to departure time, contact the Signaller from signal YE79 for authority to depart. When the signal has been cleared, the Guard may authorise the Driver to depart.

Train roads

Traincrew of a train en route to Folkestone Harbour must advise the Signaller at Folkestone East when the train is ready to depart.

Dated: 02/12/06

SO250 - BATTERSEA PIER JN TO WILLESDEN WEST LONDON JN

Stewarts Lane Jn

Nos. 1 and 2 berthing sidings

The train ready to start plunger must be operated immediately before the train is ready to depart.

Dated: 20/01/18

SO250 - BATTERSEA PIER JN TO WILLESDEN WEST LONDON JN

Stewarts Lane Jn

Battersea Run-Round Loop

Trains entering the run-round loop must not exceed 1176 feet (56 SLU's) in length, excluding the locomotive(s) which must not exceed 118 feet in length. The maximum speed of movements within the run-round loop must not exceed 5 m.p.h.

When an in going train arrives at the 'Stop, do not proceed until authorised' board, unless the train is met by a Shunter, the Guard must ascertain from the Signaller if the Shunter is on duty in Battersea Run-Round Loop. If a Shunter is on duty, the train must not enter the Run-Round Loop until authorised by the Shunter. Should shunting staff not be on duty the Guard may authorise the train to enter the Run-Round Loop, having first ensured that the points are set to No.2 (left hand) Road and that the Run-Round Loop is clear.

When shunting staff are not on duty the Signaller will only allow one train to be in the Run-Round Loop at any one time, except in an emergency or when required for assistance purposes.

If any wagons are left in the sidings after the departure of the train the Signaller must be advised.

Dated: 20/01/18

SO250 - BATTERSEA PIER JN TO WILLESDEN WEST LONDON JN

SHEPHERDS BUSH

1. If a train has stopped at the relevant '3' or '4' car stop mark and the traincrew are subsequently advised that the train will terminate at Shepherd's Bush, once station work is complete, the driver must contact the signaller and request permission to draw forward to the relevant 'T3' or T4' car stop mark.

   The Conductor (where provided) must use the Bell/Buzzer code '6' to indicate to the driver that the draw-forward movement may commence.

   Once the train has been brought to a stand at the relevant 'T3' or 'T4' car stop mark, the traincrew must change ends.

   Use of this procedure will ensure that signal TVC806 can be viewed correctly for the return movement.

2. Platforms 1 and 2 in the down direction have no platform starting signals and the next signals, TVC811 and TVC809 respectively, cannot be seen from the platform.

   The DRA must be used in accordance with Rule Book instructions if the preceding signal was displaying a yellow aspect, to minimise the risk of a 'Starting against a signal SPAD' (SASSPAD) occurring.

Dated: 03/01/2023

SO250 - BATTERSEA PIER JN TO WILLESDEN WEST LONDON JN

SHEPHERDS BUSH To Mitre Bridge Jn

Pantograph on the move procedure

Affecting LOROL services formed of class 378 units and freight train hauled by Class 92 locomotives

Down West London Line between 4m 78ch and 5m 16ch

Up West London Line Between 5m 75ch and 4m 78ch

Class 92 hauled freight trains

Drivers are authorised to change over traction at speeds up to 30 mph. Raise/Lower pantograph signs are provided as shown below.

Class 378 units

Drivers are authorised to change over traction modes in accordance with the following instructions.

Up West London Line

Drivers must regulate their train speed to 25mph on the approach to TVC818 signal subject to a proceed aspect being displayed.

If a proceed aspect is NOT being displayed

Drivers must stop their train 20m on the approach to signal TVC818 at danger.

After a proceed aspect is displayed

The driver must take power and accelerate to 25mph.

The driver must then start the lower pantograph procedure. A Pantograph down board is provided 57 metres beyond signal TVC818 which will allow a class 378 unit to achieve 25mph. The driver must then :-

·PBC to a brake position or 0 as required.
·Press D/C system select

·Press MCB close button for 10 seconds
·Observe MCB light illuminate

·Observe MCB light extinguish
·(if above not complete by relevant sign – stop and rectify)

·PBC to power notch as required and continue as normal
·Reinstate ICE mode at Shepherds Bush Station if required

Complete operation takes approx 25 seconds with driver interaction taking approx 15 seconds.

Down West London Line

Drivers must regulate their train speed to 25mph (within 60mph zone) after departing Shepherds Bush station. Then at the dual voltage zone warning board:-

· PBC to a brake position or 0 as required
· Press A/C system select

·Press Pantograph up button for 10 seconds
·Observe MCB light illuminate

·Observe MCB light extinguish
·PBC to power notch subject to proceed aspect on TVC813 or regulate speed of train if TVC813 is displaying a danger aspect

·(if operation incomplete, rectify when stopped at TVC813 if at danger or when reaching the board warning that the train is entering the AC only zone (OLE)

Bi directional working and / or 8 car working

•If bi directional working is in operation or working of 8 car units is taking place, then all pantograph raising or lowering procedures must be completed whilst the train is stationary. This procedure must take place at TVC818 heading South or at TVC813 heading North (8 Car) or TVC814 heading North (bi directional working).

The above instruction is consistent with original working instructions for this area .

WEST LONDON LINE PROPOSED PANTOGRAPH ON THE MOVE

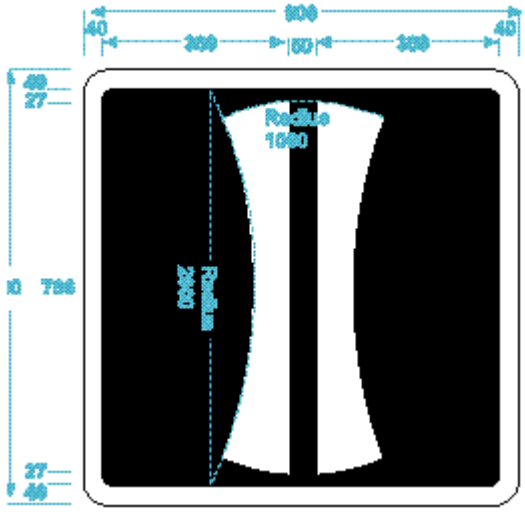
LOCATION OF SIGNS

DOWN WEST LONDON LINE

Dual voltage warning board positioned at 4m 78chains.

This sign warns the driver that there is a traction supply changeover section ahead

AC only zone board positioned at 5m 16ch.



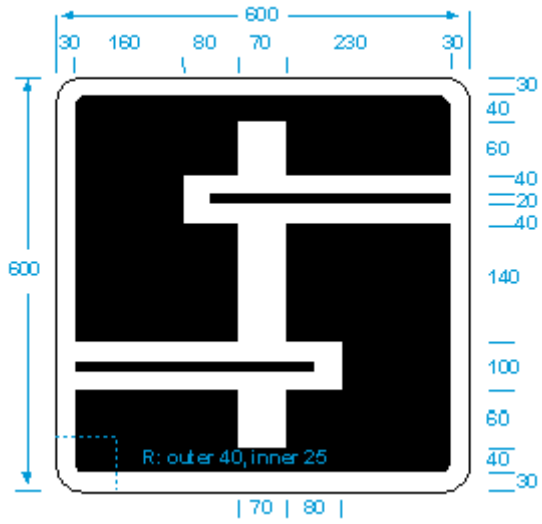
This sign warns drivers that they are entering the AC only zone.

WEST LONDON LINE PROPOSED PANTOGRAPH ON THE MOVE

LOCATION OF SIGNS

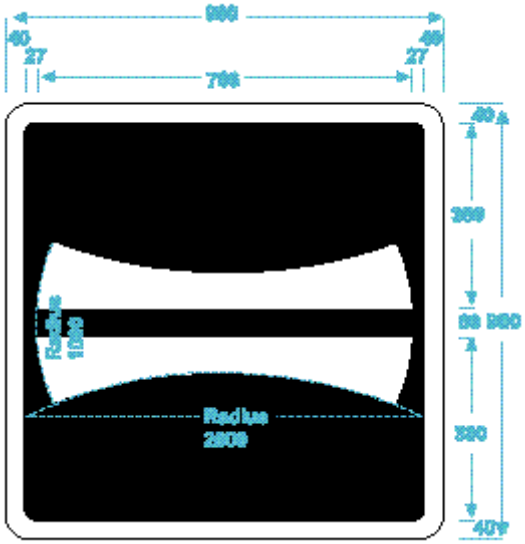
UP WEST LONDON LINE

Signal TVC818 is at 5m 45ch. The sign (below) is positioned at 5m 42 chains.



This sign warns the driver that there is a traction supply changeover section ahead

The sign (below) is positioned at 4m 78ch.



This sign warns drivers that they are entering a third rail 750dc supply area.

Dated: 03/01/2023

SO250 - BATTERSEA PIER JN TO WILLESDEN WEST LONDON JN

North Pole Jn

If a train which has been brought to a stand at down direction signals TVC813 or TVC815 is to be changed from DC mode to AC mode the Driver may make the changeover whilst the train is standing at the signal rather than at the Execute Board beyond the signal.

Note: This does not apply to trains going into North Pole Depot, for which local instructions apply.

Drivers of class 31(x) series trains must change traction at the designated point.

Up Siding. Trains exceeding **8** cars in length must not enter the Up Siding.

Dated: 03/01/2023

SO280 - FARRINGDON TO HERNE HILL

FARRINGDON To BLACKFRIARS (FTL)

ELR - MCL, FTN & HHH

Due to restricted clearances traincrew must not put their heads out of the train whilst passing over this route.

Owing to restricted 'window box' clearances along the route, passenger trains composed of stock with opening windows (other than those of the "ventilator" type) are prohibited from traversing this section of track, except where special authority is granted. When authority is granted for passenger trains the following conditions apply:

1. The train running must be published in Special Traffic Notice.
2. To mitigate the risk of limited clearances to passengers while passing through the tunnels along this route:
   a) All passengers must be advised by public address and in writing not to lean out of windows;
   b) The train must be staffed by a Train Manager and Stewards, who will be briefed by the Train Manager;
   c) Prior to passing through the tunnels on this route, an announcement must be made using the public address system to instruct all passengers not to lean out of the windows during the passage of the train through the tunnels. Stewards must pass through all vehicles and repeat the instruction to all passengers.

Dated: 25/06/11

SO280 - FARRINGDON TO HERNE HILL

Smithfields Sidings

The walkway lighting is switched on by means of plungers, which staff must operate on arrival at the sidings (whether or not the lighting is already on) or if the lighting switches itself off. The lighting will remain illuminated for approximately 20 minutes. The plungers are located at the buffer stops, at the 4-car stopping mark, and at signals VS3025/VS3029.

When changing ends traincrews must use the approved walkway.

When a train is ready to depart from the sidings, the Driver must operate the appropriate 'Train ready to start' plunger.

Dated: 07/11/11

SO280 - FARRINGDON TO HERNE HILL

CITY THAMESLINK

Except in emergency, trains must not be divided.

A train (or portion there of) must not start away from the platform or move along the platform unless the appropriate signal is showing a proceed aspect or the Driver has first obtained the Signaller's permission.

A loaded passenger train for Farringdon, formed of 4 cars only and with more than one traction motor defective or isolated, must not be restarted from a stand at Up line signal VS1054.

Dated: 07/11/11

SO280 - FARRINGDON TO HERNE HILL

CITY THAMESLINK To BLACKFRIARS

From City Thameslink to Blackfriars

A train with more than half the traction motors defective or isolated is not permitted to leave City Thameslink.

A train with up to half the traction motors defective or isolated may proceed but must be formed of at least 8 cars. In these circumstances the Driver must advise the Signaller and arrangements will be made for the train to be given a clear run from City Thameslink to Blackfriars.
When applying power either under normal conditions, or when there are defective or isolated motors in the formation, trains must be driven in notch 4, subject to the observance of speed restrictions and signal aspects.

From Blackfriars to City Thameslink

If more than half the traction motors are defective or isolated a train booked to terminate at City Thameslink and return to the Kent Route, must where possible be terminated at Blackfriars in the northbound direction.

Dated: 02/12/06

SO280 - FARRINGDON TO HERNE HILL
HERNE HILL

Turnback Siding
Due to the gradient of the Siding it is necessary for drivers to stop the train at the appropriate stop car mark to make sure the London End cab stops in the correct position.

Additionally only 1 train is permitted in the Siding at any one time.

Dated: 27/09/08

SO280 - FARRINGDON TO HERNE HILL
HERNE HILL

Platform 4

Only the following classes of trains are authorised to terminate in platform 4 to return towards London:-

375, 376, 377, 395, 465 or 466 & 700

The driver must not leave the train unattended except when changing ends.

Berthing of trains is not permitted.

Dated: 26/01/19

SO280 - FARRINGDON TO HERNE HILL
Entire Line Of Route

The normal traction changeover point from AC to DC in the down direction (i.e. from St Pancras) will be Farringdon.

If the traction changeover fails, the driver must inform the signaller at Three Bridges Core South workstation before leaving Farringdon. The train will be signalled into City Thameslink station using AC traction power so the driver can change ends and be signalled back towards Farringdon.

The normal traction changeover point from DC to AC in the up direction (i.e. from Blackfriars) will be City Thameslink.

If the traction changeover fails, the driver must inform the signaller at Three Bridges Core South workstation before leaving City Thameslink. The train will be signalled towards Farringdon station, or Smithfield Sidings using the DC traction power, so the driver can change ends and be signalled back towards City Thameslink.

Dated: 01/02/2017

SO290 - NORTH KENT EAST JN TO DARTFORD JN (VIA GREENWICH)
GREENWICH

Docklands Light Railway: Emergency Train Stop Button
Located at trackside adjacent to the Network Rail Up Line at the London End of Greenwich Station is a Docklands Light Railway 'Emergency Train Stop' Button in a red box.

Activation of an Emergency Train Stop Button will remove the signalling tones in the immediate area and stop any trains present. However the 750 Volt DC traction current is not affected and therefore the Conductor (third) Rail remains live.

Emergency Train Stop Buttons are also present on all DLR Platforms

It should be noted that activation of DLR Platform Passenger Alarm on the DLR platforms is only a communications link, it WILL NOT stop DLR trains.

Dated: 02/12/06

SO290 – NORTH KENT EAST JN TO DARTFORD JN (VIA GREENWICH)

Alsike Road Junction (Crossrail Elizabeth Line North Kent Interface.)

OTM/Yellow Plant movements between Crossrail Elizabeth Line & North Kent Line

The following instruction applies to the Ashford North Kent 1 Signaller when they have a train departing the Elizabeth Line to North Kent Line at Alsike Road Junction.

When ready, all trains must operate the Train Ready to Start (TRTS) at NK501 to depart the Elizabeth line Engineering Road to join the Down North Kent towards Slade Green.

The following instruction applies to the Ashford North Kent 1 Signaller when they have a RFLI OTM at a stand at NK120 required to enter the Elizabeth line.

At NK120 the OTM Driver will contact the North Kent 1 Signaller to confirm the vehicle is ready to depart from NK120 to the Elizabeth Line Engineering Road.
When ready, the North Kent 1 Signaller will set the route from NK120 to XR397

Movement of OTMs between Elizabeth line Abbey Wood and North Kent Line

The movement of OTMs over the North Kent Line boundary will be an infrequent occurrence. To facilitate movement of Rail for London Infrastructure OTMs over the Network Rail North Kent Line boundary a Crossrail Central Operating Section and Network Rail Sectional Appendix Local Instruction is required to be published.

When an OTM is required to leave the Elizabeth line via the Engineering Road towards Slade Green, the OTM Driver must stop at NK501 to isolate the Communications-Based Train Control (CBTC) system. When the OTM Driver is ready to proceed, the OTM Driver will operate the Train Ready to Start (TRTS) at NK501.

When a OTM is returning to the Elizabeth line from the North Kent Line the OTM Driver will stop at NK120 to reinstate the CBTC. When ready to proceed to the Elizabeth Line, the OTM Driver will contact the North Kent Line 1 Signaller. The North Kent Line Signaller will set the route to the Elizabeth line Engineering Road when advised by the OTM Driver that the OTM is ready to depart

Dated: 23/01/2022

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SO290 - NORTH KENT EAST JN TO DARTFORD JN (VIA GREENWICH)

PLUMSTEAD

Bogie vehicles, other than coaches, which exceed 62 feet over headstocks, must not be shunted over the connection at the east end of No. 2 siding, middle yard.

Dated: 02/12/06

SO310 - HITHER GREEN TO MAIDSTONE WEST (VIA DARTFORD)

DARTFORD

Reversible line

Any movement which is required to be made in the direction opposite to that from which it entered the line must be regarded as a wrong direction movement and dealt with accordingly.

DOO trains starting from the Up Sidings

Drivers of trains leaving from the Up Sidings 1, 2, 3 or 4 must operate the 'Train ready to start' plunger when the train is ready to depart. The DOO radio cannot be set up at signals NK1556, NK1558, NK1560 and NK1562. Drivers must set up on next signal.

DOO trains starting from the Down Sidings

Drivers of trains leaving from the Down Sidings, must operate the 'Train ready to start' plunger when the train is to depart.

No movement must be made within the sidings without the Signaller's authority.

Dated: 02/12/06

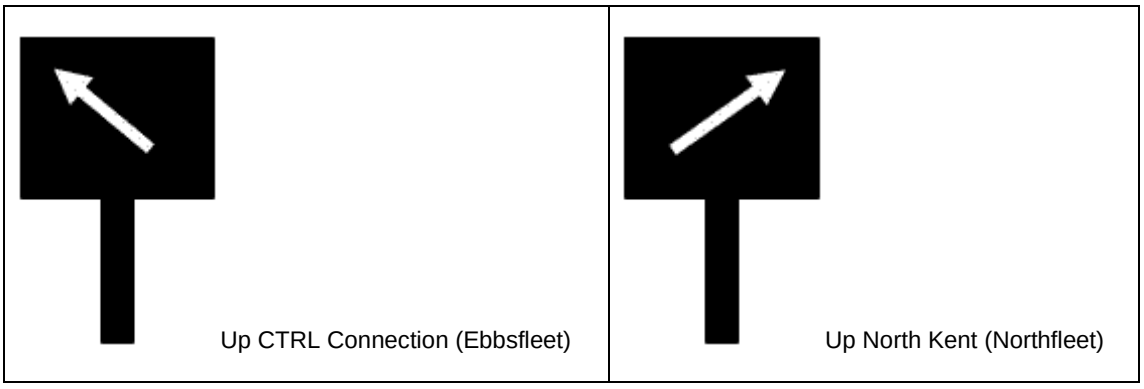
SO310 - HITHER GREEN TO MAIDSTONE WEST (VIA DARTFORD)

GRAVESEND To Springhead Road Jn Up

Preliminary Route Indicators

Two preliminary route indicators are provided on the approach to Springhead Road Junction on the Up North Kent line to give drivers advanced of the route to be taken on signal NK430; one is located between NK434 and NK432 signals and the other located between NK432 and NK430 signals. These indicators take the form of a black rectangle on which an illuminated arrow indicates the route set when signal NK430 is showing a proceed aspect. If NK430 is not showing a proceed aspect the Preliminary Route Indicators will remain blank.

One of the following indications will be displayed:



Dated: 07/11/2009

SO310 - HITHER GREEN TO MAIDSTONE WEST (VIA DARTFORD)

NORTH HALLING CROSSING (RED/GREEN) 34 M 33CH

North Halling Use Worked crossing is provided with red/green warning lights.

In some instances when then crossing treadles have been activated by a movement within a T3 possession such as the movements of RRV, OTM, Engineers trains or trolleys the warning lights will extinguish completely with no warning light displayed.

Where a Rule Module T3 Possession of running line for engineering work, or a Line Blockage is taking place which encompasses North Halling crossing the PICOP, COSS or PC must ascertain whether any activity has taken place that could have caused the crossing warning lights to fail.

If there has been activity that has or could cause the crossing to fail the PICOP, COSS or PC must arrange for staff to attend North Halling Crossing (R/G) to verify to the signaller at Cuxton that the warning lights are functioning correctly.

Dated: 07/03/15

SO310 - HITHER GREEN TO MAIDSTONE WEST (VIA DARTFORD)

Allington Sidings

Trains for the sidings must be drawn forward to the special stopping mark, which consists of a white cross on a post.

Propelling movements into the siding are controlled by single aspect white lights, which are normally extinguished. Three lights are located adjacent to the Up line, 12 feet above rail level. When the ground frame points are correctly set the Shunter must operate plunger ‘A’ to illuminate the lights. Continuous illumination of the lights authorises the Driver to propel into the siding. Should it be necessary to stop the movements the Shunter must operate plunger ‘B’ to extinguish the lights. The Driver must keep at least one light in view until he comes within sight of the Shunter. If the lights become extinguished during the movement, the Driver must stop immediately.

After correctly setting the points and closing the groundframe, the Shunter will operate plunger ‘C’ to illuminate the single aspect white lights again, authorising the Driver to propel the train back along the Up Main line. The Shunter must stop the propelling movement when it arrives at the point at which he will rejoin the locomotive. Before doing so he must cancel the ground frame release and advise the Signaller if the train will not depart immediately.

Dated: 02/12/06

SO310 - HITHER GREEN TO MAIDSTONE WEST (VIA DARTFORD)

MAIDSTONE WEST

Traincrew of down trains (from the Strood direction), which terminate in the Down Main platform (No.2) must operate the ‘Train Arrived Complete’ plunger, located on the platform.

Dated: 24/02/07

SO320 - HOO JN. TO GRAIN (GOODS LINE)

Wybourne LC (AOCL)

If the flashing Driver’s Light situated on the approach to this crossing fails to start automatically, or stops because of a delay to the train, the driver must depress the plunger provided beneath the flashing light.

Dated: 02/12/06

SO320 - HOO JN. TO GRAIN (GOODS LINE)

Stoke LC (ABCL)

If the flashing Driver’s Light situated on the approach to this crossing fails to start automatically, or if it stops because of a delay to the train, the driver must wait until the barriers are in the raised position and then depress the plunger provided beneath the flashing light.

Dated: 02/12/06

SO320 - HOO JN. TO GRAIN (GOODS LINE)

Entire Line Of Route

'No Signaller' key token working.

The Rule Book, Module TW1 section 32 applies, together with the following modifications:

Key Token instruments are provided adjacent to signal NK509 and at Grain Crossing box, the former being operated by the Driver (or, if provided, the Guard) and the latter being operated by the Person-in-Charge at Grain.

On arrival of a Down train at signal NK509 the Signaller must be advised of the intended movements and requested to release a token. If it is later necessary to vary from the intended movements the Signaller must again be advised. When the 'Free' indication beside the instrument is illuminated, the key token may be withdrawn, where upon signal NK509 will clear. The key token must be placed in a pouch and retained by the Driver until arrival at Grain where it must be handed to the Person-in-Charge.

On arrival of an Up train at the 'End of Token Section' sign the key token must be replaced in the instrument and before proceeding, the Signaller must be contacted to confirm that this is correctly indicated in the signal box. The pouch must be placed in the key token hut.

All persons using the key token hut must ensure that the door is properly closed and locked before leaving.

Failure of Equipment – Working by Pilotman
In the event of failure of the key token instrument, a key token being lost or damaged, Working by Pilotman must be introduced.

Before pilot working commences, the Pilotman must ensure that the floodgates are secured away from the railway.

When a train is to be followed by one or more trains in the same direction before a train is to start from the other end, the following additional instructions must be observed:-

a) The Driver (or, if provided, the Guard) of any train proceeding from signal NK509 to Grain which is not accompanied by the Pilotman must report the arrival of his train complete to the Person-in-Charge at Grain, who must advise the Signaller accordingly.

b) The Driver (or, if provided, the Guard) of any train proceeding from Grain to the token hut at the 'End of Token Section' sign which is not accompanied by the Pilotman must report the arrival of his train to the signaller, using the Key Token instrument telephone.

Should the telephones as well as the token equipment have failed, the Pilotman must accompany each train.

Failure of Equipment – Modified Working
When authorised, Modified Working by means of a written order (RT3177) as shown in the Rule Book, Module P2, Section 5 'Modified Working Arrangements, may be introduced as follows;

The written order will be issued to and given up by the Driver as follows:

1. Trains travelling from Hoo Junction to Grain
   When the train arrives at NK509 the Driver will be advised by the Signaller at Ashford North Kent Workstation that the signalling equipment has failed and that he/she must complete a written order as authority to proceed. The Driver must complete the written order at the dictation of the Signaller. The order forms are kept in the token instrument cabinet near signal NK509. The Driver must advise the Person-in-Charge at Grain that the train has arrived complete with tail lamp and write cancelled across the ticket RT3177.

2. Trains travelling from Grain to Hoo Junction
   When the train arrives at Grain Crossing No.8 signal the Driver will be advised by the Shunter at Grain Crossing that the signalling equipment has failed and that he/she must complete a written order as authority to proceed. The Driver must complete the order at the dictation of the Signaller at Ashford North Kent Workstation. The order forms are kept at the token instrument in Grain Crossing ground frame box. The Driver must advise the North Kent Workstation Signaller of his arrival at the token machine at Hoo Junction and that the train has arrived complete with tail lamp. The Driver must write 'cancelled' across the ticket RT3177.

Dated: 07/12/13

SO500 - VICTORIA TO BRIGHTON

VICTORIA

Up Carriage Sidings.
When trains stabled in Number 1 siding are formed of stock which can be walked through, Drivers must join the train by the buffer stops and walk through the train to the leading cab at the Victoria end.
If it is not possible to walk through a train to reach the Victoria end cab, when entering the sidings via the access gate Drivers must contact the Signaller from the telephone at position light signal VC104 and advise the Signaller of their intentions. On arrival at the Victoria end driving cab Drivers must contact the Signaller either via GMS-R or the telephone at position light signal VC106 and advise that the walking route is now clear.

Drivers of all movements from the sidings are reminded that they should press the TRTS plunger when ready to start.

Dated: 03/01/2023

SO500 - VICTORIA TO BRIGHTON

VICTORIA

Diesel trains.
Automatic fume extraction equipment is provided above platforms 18 and 19 only. Diesel trains should normally use these platforms. Drivers must bring their trains to a stand with the leading cab opposite the special DEMU stopping marks. However, if it is necessary for a diesel train to use platforms 9 to 17 and will remain there for more than 15 minutes the Driver must shut down the diesel engine to avoid the fire alarms being activated by diesel fumes.

Dated: 02/12/06

SO500 - VICTORIA TO BRIGHTON

Battersea Pier Sidings staff halt

Staff Halt on Brighton Reversible line
Staff required to go to and from trains berthed in Battersea Pier sidings will normally be collected or dropped off at the staff halt by nominated trains which are routed via the Brighton Reversible line. Trains due to stop to collect staff must not wait for more than 30 seconds if the persons are not waiting at the halt.

If due to abnormal circumstances staff need to be collected or dropped off by other than the nominated trains they must contact the Southern Railway Production Manager at Victoria who will make arrangements for an additional train to stop at the staff halt. If in these circumstances staff are instructed to join an up train at Clapham Junction, the Driver must advise the Signaller by GSM-R before departure from Clapham Junction that the staff have joined the train.

If there are staff to be collected and due to an infrastructure failure or other exceptional circumstances it will not be possible for any train to call at the staff halt the Signaller must advise them. The Signaller must be advised of the identity of the person and when possible the duty number. The person must then walk over Grosvenor Bridge using the cess adjacent to the Brighton Reversible line. The Signaller will not allow normal working to resume on the Brighton Reversible line until the person reports from the telephone at position light signal TVC104 quoting name and if appropriate duty number, that they are clear of the bridge.

Dated: 03/01/2023

SO500 - VICTORIA TO BRIGHTON

Pouparts Jn

A freight train hauled by a single Class 73 locomotive which is brought to a stand at signal TVC575 must restart under diesel conditions.

Dated: 03/01/2023

SO500 - VICTORIA TO BRIGHTON

CLAPHAM JUNCTION

Provided signal VC598 is displaying a proceed aspect trains exceeding 8 coaches proceeding towards Latchmere Junction must, when booked to call, stop with the leading cab opposite the special stopping mark (formed of a white cross on a post) positioned 43 yards beyond the signal.

Platform 15 (Down Brighton Slow line) - 8 car platform

If a 12 car slam door train is diverted to this Platform, the Driver must try to advise the Conductor by loudaphone of the platform alteration without causing any delay.

The Conductor must make announcements to advise customers in the rear 4 coaches who wish to alight at Clapham Junction to move forward to the front 8 coaches to alight safely, and to remind the customers to ‘Mind the gap’.

The Conductor must make these announcements repeatedly, both before the train has stopped and whilst the train is in the platform.

The Conductor must ensure that all the customers in the rear 4 cars who wish to alight at Clapham Junction have done so.

Dated: 02/12/06
Archived: 03/01/2023

SO500 - VICTORIA TO BRIGHTON

PURLEY

Trains Departing

Whenever shunting activities or marshalling takes place, the Shunter must make sure that position light signal 1098 is showing a proceed indication. Following train preparation and a brake test the Shunter must make sure this signal is displaying a proceed indication before instructing the driver to draw forward into the headshunt, clear of position light signal 1097.

Before the train is ready to depart, the Shunter must advise the signaller of the train number, starting time and destination of the train and that it requires to set back into the station he must also advise the signaller of the length of the train, the signaller and Shunter will come to a clear understanding as to what platform the train will set back into and the Shunter will then proceed to that platform.

When 1097 signal has been cleared the signaller will advise the Shunter via the SPT, the Shunter will then authorise the driver via back to back radio to set back and advise the driver as to what platform the train will be setting back into.

If the train is to set back onto the down Caterham line (platform 6) the shunter must request that signal T167 (country end) is cleared and when cleared advise the driver confirming that T167 has been cleared.

The Shunter must control the movement towards T167 signal then when the rear of the train is at T167 signal stop the movement until he has walked down the platform ramp and over the road bridge to the 151/4 mile post from where he can observe the rear of the train for the remainder of the movement.

When the shunter is in a position of safety at the 151/4 milepost he will then recommence the setting back movement and the driver will stop the movement when the locomotive is an engine length in rear of T176 signal.

When the driver has stopped the train the Shunter must not authorise the train to depart until he has walked back to the platform and is in a position of safety on the platform.
The Shunter must not walk over the road bridge in either direction whilst the train is moving.

If the train is set back into platform 5 the Shunter must request that signal T165 (country end) is cleared and when cleared advise the driver, the Shunter must then control the movement of the train until the driver stops the train a locomotive length in rear of T174 signal.
The Shunter will then authorise the train to depart once T174 signal has been cleared.

If the train is set back into platform 4 the Shunter must request that signal T163 (country end) is cleared and when cleared advise the driver, the Shunter must then control the movement of the train until the driver stops the train 26 metres in rear of T172 signal at the signage in the 4 foot instructing freight drivers to STOP at this point after exiting the headshunt, the Shunter will then authorise the train to depart once T172 signal has been cleared.

Trains not under the control of a shunter

For all other movements the Driver must contact the Signaller when a train in ready to depart. The train must not, however, be moved until position light signal 1097 has been cleared.

Dated: 20/09/08

SO500 VICTORIA TO BRIGHTON

Purley Junction

Due to the existence of conductor rail gaps through the junction at the London end of Purley station, drivers of trains formed of a single 3 car unit must be reminded of the situation prior to passing through the area. Where necessary, the train concerned should be amended to avoid the possibility of becoming electrically gapped.

Dated: 12/03/16

SO500 - VICTORIA TO BRIGHTON

Stoats Nest Jn To EARLSWOOD

Trains signalled via alternative route

Drivers of up or down trains may accept a signal cleared for an alternative route without stopping to ascertain the reason provided the train is not booked to call at any intermediate station on the scheduled route.

Dated: 02/12/06

SO500 - VICTORIA TO BRIGHTON

Star Lane Substation

Because of limited sighting of approaching trains in the Star Lane sub-station area persons going to or from Star Lane sub-station must telephone the Signaller at Three Bridges before crossing the railway to obtain an assurance that it is safe to do so; a dial telephone is provided adjacent to each line. The down side telephone is adjacent to signal T181 and the up side telephone is opposite signal T181. When the person requiring to cross the railway asks the Signaller for an assurance that it is safe to cross they will either be told that they may cross or to ring again after the passage of a train(s). After the person(s) has crossed the line they need not advise the Signaller that they have done so.

The telephone number for the Three Bridges Signaller is 00 61752.

Note
The Signaller will not block the lines to trains when he gives the assurance that it is safe to cross but he will ensure that there is sufficient time for the person(s) to cross the lines.

Dated: 02/12/06

SO500 - VICTORIA TO BRIGHTON

REDHILL

Permissive Working Platform Sharing in Platform 0 & 2.

All terminating services must pull up and stop at the 6 Car Mark on platforms 0 and 2 at Redhill. Three Bridges ASC must ensure that the terminating service has stopped in the correct location.

Dated: 08/03/2022

SO500 - VICTORIA TO BRIGHTON

GATWICK AIRPORT

Up sidings.
When a train is ready to depart the conductor (Driver of a DOO train) or Shunter must operate the 'Train Ready To Start' plunger no less than 2 minutes before departure.

Dated: 20/09/08

SO500 - VICTORIA TO BRIGHTON

GATWICK AIRPORT

No. 6 platform line (Reversible Loop).
Locomotive hauled coaching stock, not exceeding 11 vehicles, may be berthed provided at least one brake vehicle is included in the formation. A lamp displaying a red aspect must be placed at each end of the train.

Dated: 28/12/13

SO500 - VICTORIA TO BRIGHTON

GATWICK AIRPORT

Trip wires

Trip wires, 12 feet high, are provided on both sides of the railway extending for the width of the flight path and these will be broken if an aircraft approaches at a dangerously low level when taking off or landing. In addition, two red beacons on posts are provided, one 13 feet in height on the down side near the points leading from the down platform loop to the down through line, and the other 18 feet in height on the up side near the hand points that lead from the shunt neck to Nos. 2 and 3 sidings. 'Crash warning' sirens are provided.

The breakage of the trip wires will have the following effect:-

1. The crash warning sirens will sound.
2. The red beacons will commence to flash.
3. The undermentioned signals will be placed or maintained at danger:-
   T237, T239, T241, T243, T245, T246, T247, T249, T251, T256, T260, T262, T264 and T266.
4. Traction current will be automatically switched off between Great Lake Farm sub station, and Balcombe Tunnel Junction/Crawley station.

Dated: 28/12/13

SO500 - VICTORIA TO BRIGHTON

CRAWLEY NEW YARD

Crawley New Yard. Arrival of trains.

Trains arriving from Down Brighton Slow (T1182 signal) - The Person in Charge (PIC) will, once completing the pre-arrival yard checks, contact the Three Bridges Signaller to inform them that they are on site (Booking on) and that the PIC can accept their train into Crawley New Yard.

Down trains will stop clear of 1182 signal. On the clearance of 1182 signal the driver will have permission to propel from the Down Slow Line from position light signal 1182 into Number 1 Reception Road. A repeater position light signal (1182R) is provided 320m (50 SLUs) in rear of position light signal 1182. When the train is in clear of 1179 signal the driver will bring the train to a stand.

Light engines arriving from the Down Brighton Slow (T1182 signal) - It is permissible for light engines to arrive from the London direction without a PIC being present, draw behind 1182 signal, driver change ends and check their own route into the Number 1 Reception Road before proceeding beyond 1182 signal.

Trains arriving from Up Brighton Slow (T270 signal) - It is permissible for trains to arrive at Crawley New Yard without a Person in Charge (PIC) being present. The driver must check their own route into the Number 1 Reception Road.

Number 1 Reception Road is provided with a track circuit between position light signal 1179 and the 'stop' boards located at the London end. The normal position for the hand points is for Number 1 Reception Road.

On arrival the Shunter will hand the Driver a back to back shunting radio and job briefing can take place.

Instruction for all shunting staff and maintenance staff, on departure of Crawley New Yard the hand points must be set for Reception 1 Road. You must inform the signaller if the points to Reception 1 Road cannot be set or if there are any wagons stabled on Reception 1 Road.

Dated: 13/06/20

SO500 - VICTORIA TO BRIGHTON

Ardingly Sidings

Copyhold Junction to Ardingly (Goods line)

The Freight Guard or Shunter must contact the Signaller on arrival of a train from Ardingly at signal T331.

Dated: 20/09/08

SO500 - VICTORIA TO BRIGHTON

PRESTON PARK To BRIGHTON

In emergency, or when specially authorised, passenger trains may be routed via the carriage road and/or carriage road south. Unless the arrangements have been published by Special Notice the Signaller will arrange for Drivers to be advised of the circumstances.

A Handsignaller will not be provided and Drivers are authorised to depart from Preston Park or Brighton on clearance of the position light signal associated with the platform starting signal.

Train speed must not exceed 15 mph.

Dated: 02/12/06

SO500 - VICTORIA TO BRIGHTON

BRIGHTON

Wall Sidings

Entry to and exit from these sidings is controlled by Three Bridges Area Signalling Centre.

A Driver will be in control of moves who must be contacted through the Brighton station Control Point.

Dated: 20/09/08

SO510 - LONDON BRIDGE TO EPSOM DOWNS

London Bridge Station Platforms 10-15

Station staff may commence the train dispatch procedure as soon as the platform starting signal is showing an 'OFF' indication on the 'Person In Charge Of Dispatch' indication panel.

London Bridge Station Platforms 10, 12, 13, 14 & 15

Each platform starting signal (with the exception of platform 11), has been fitted with a TPWS (OSS) which is located approximately 51 metres on the approach to the platform starting signal. The TPWS (OSS) is set to **0mph** speed and is designed to activate if a short formation train starting from the bufferstop approaches the platform starting signal at danger. If a driver of a train is authorised by the Signaller to draw up to or pass the platform starting signal at danger, the driver must operated the trains TPWS Override button before passing over the TPWS (OSS).

Dated: 29/12/2014

SO510 - LONDON BRIDGE TO EPSOM DOWNS

LONDON BRIDGE

Referring to the Rule Book, Module TW1, Section 20.4, locomotives must not closely follow trains departing from dead end platforms unless the Signaller's permission has been obtained.

Dated: 07/12/13

SO510 - LONDON BRIDGE TO EPSOM DOWNS

LONDON BRIDGE To Bricklayers Arms /Uttley Junction

Working of trains over bi-directional lines between London Bridge and Bricklayers Arms/Uttley Junction during a failure of signalling equipment

Failure of Signals

In the event a signal fails affecting a bi-directional line listed below, the Signaller will authorise trains to pass the affected signal(s) at danger in accordance with the Rule Book, Module S5, and working by pilotman will not be introduced.

Failure of Track Circuits

In the event a track circuit fails affecting a bi-directional line listed below, after clearing any trains trapped by the failure, the Signaller will elect a single direction for which all subsequent trains will pass over the bi-directional line for the duration of the failure and working by pilotman will not be introduced.

If it is necessary to work trains in the direction opposite to that elected, Working by Pilotman will be introduced for all trains over the affected portion of line.

Until the failure is rectified or working by pilotman is introduced the Signaller will allow trains to proceed over the bi-directional line in the direction elected, authorising the Driver to pass any affected signals at danger in accordance with the Rule Book, Module S5.

The South London Reversible line will always be elected in the Down direction

If Working by Pilotman has been introduced it will not be withdrawn until the failure has been rectified, or the service withdrawn.

Bi-directional lines

- 9 Reversible
- 10 Reversible
- 11 Reversible
- South London Reversible
- Sussex Reversible
- Bermondsey Reversible

Dated: 29/12/2014

SO510 - LONDON BRIDGE TO EPSOM DOWNS

LONDON BRIDGE To NEW CROSS GATE

Passing Signals at Danger - Forward Route Setting

Due to conductor rail gapping issues, the signals listed below are provided with 'Forward Route Setting' controls. These signals require the route to be set before the signal in rear will clear to a proceed aspect. This is to avoid trains stopping on the approach to the signal and becoming gapped.

When it is necessary to pass a signal with 'Forward Route Setting' controls at danger, the Signaller will give the driver authority to pass the affected signal at danger from the signal in rear to avoid a train stopping at the affected signal and becoming gapped. Where possible, the Signaller will set the route from the affected signal to enable the signal in rear to clear to a proceed aspect after the Driver has been given the necessary instructions.

If it is not possible to set a route from a signal with 'Forward Route Setting' controls and it is necessary to pass both the affected signal and signal in rear at danger, the Signaller will authorise the driver to pass both signals at danger from the first signal. It will not be necessary for Temporary Block Working to be introduced in this instance.

Signal	Line	Applies From
TL4005	9 Reversible	All Approaches
TL4119	10 Reversible	All Approaches
TL4207	11 Reversible	All Approaches
TL4013	9 Reversible	Signal TL2733
TL2729	8 Down	All Approaches
TL4213	11 Reversible	Signals TL4009 & TL4123

Dated: 29/12/2014

SO510 - LONDON BRIDGE TO EPSOM DOWNS

LONDON BRIDGE To ANERLEY

The Signalling in this area is controlled by the Three Bridges Rail Operating Centre (TBROC) - London Bridge Central Workstation.

The workstation is will be operated by TWO Signallers, the Signallers will be identified as:

'Signaller TBROC-London Bridge Central Workstation London End'

and

'Signaller TBROC-London Bridge Central Workstation Country End'

The area of responsibility is divided as shown below:

TBROC-London Bridge Central Workstation London End:

London Bridge Station end of Workstation	and	Bricklayers Arms Jn/ New Cross Gate		South Bermondsey Stn	
		Down (inc)	Up (inc)	Down (inc)	Up (inc)
		TL4017 TL4449 TL4133 TL4615	TL4444 TL4016 TL4620	TL4219	TL4216 TL4218

TBROC-London Bridge Central Workstation Country End:

Bricklayers Arms Jn/ New Cross Gate		South Bermondsey Stn			
Down (inc)	Up (inc)	Down (inc)	Up (inc)	and	Country end of Workstation
TL4019 TL4451 TL4621	TL4018 TL4446	TL4221	TL4220		

Dated: 01/01/2018

SO510 - LONDON BRIDGE TO EPSOM DOWNS

NEW CROSS GATE To ANERLEY

Control of the Signalling in this area has been transferred to the Three Bridges Rail Operating Centre (TBROC) and is controlled by the TBROC-London Bridge Central Workstation. Signals and associated signalling equipment identity numbers in this area, previously prefixed as 'L' have been changed to the new prefix of 'TL'.

All signal plates have been changed to prefix 'TL'. If a label showing prefix 'L' is found on any other signalling equipment in this area, it should be read as prefix 'TL' i.e. on a signal post replacement switch.

Dated: 29/12/2014

SO510 - LONDON BRIDGE TO EPSOM DOWNS

Selhurst Depot

Speed restrictions

Speed must not exceed 15 mph.

Passenger trains routed via depot arrival or departure roads.

In emergency, or when specially authorised, passenger trains may be routed from Norwood Junction to Selhurst, and vice-versa;

- via the Departure road or Arrival road, or
- via Norwood Junction gullet and the departure road or arrival road.

Unless details of movements from Norwood Junction to Selhurst have been published by Special Notice, the Signaller will arrange for Drivers to be advised of the circumstances. Drivers of movements from Selhurst to Norwood Junction (and vice-versa) will receive instructions from the Signaller on each occasion.
Handsignallers will not be provided at either Norwood Junction or Selhurst stations and Drivers are authorised to proceed on clearance of the appropriate position light signal.

Dated: 02/12/06

SO510 - LONDON BRIDGE TO EPSOM DOWNS

Norwood Down Yard

Goods Road – Electrified Siding

The Windmill Bridge Junction end of the Down Yard has been electrified to enable 12 coach trains to recess. Trains will normally recess during times of perturbation or late running only. To enable Drivers to change ends safely, short platforms and suitable lighting have been provided.

There is no authorised walking route to/from the siding, as it is not the intention to berth traffic for a long period of time.

The electrified siding is under the control of the Signaller at Three Bridges Signalling Centre.

The electrified siding will be protected under Rule Book Handbook 13 for engineering work.

Dated: 11/06/11

SO510 - LONDON BRIDGE TO EPSOM DOWNS

EPSOM DOWNS

The Driver must operate the 'Train Ready To Start' plunger whilst changing cabs.

Dated: 02/12/06

SO510 - LONDON BRIDGE TO EPSOM DOWNS

Up Sussex Loop

Where empty coaching stock movements are using the Up Sussex Loop to reverse, 4-car, 5-car, 8-car, 10-car and 12-car stopping marks are provided to indicate that the respective movement is in clear of the main line and associated points.

The Driver of a train involved in permissive working must inform the signaller that the train is at a stand, the length of the train and the stop car mark the train is stopped at, as soon as the movement has been completed.

Dated: 29/12/14

SO511 – HIGHBURY & ISLINGTON TO NEW CROSS / NEW CROSS GATE (ELL)

CANNONBURY To DALSTON JUNCTION

Due to reduced clearances the driving cab windows on Class 378 units must be kept closed when passing through Dalston Covered Way between Canonbury and Dalston Junction stations.

Dated: 25/06/2022

SO511 – HIGHBURY & ISLINGTON TO NEW CROSS / NEW CROSS GATE (ELL)

Entire Line Of Route

(DUPLICATION OF ANGLIA SECTIONAL APPENDIX)

Transfer line (out of use)

The Transfer line may only be used by engineers trains, on-track machines and on-track plant during possession of the line for engineering work.

Dated: 25/06/2022

SO511 – HIGHBURY & ISLINGTON TO NEW CROSS / NEW CROSS GATE (ELL)

HIGHBURY & ISLINGTON TO HOXTON

DC electrified lines – Substation rectifier failures

In the event of a rectifier failure at Highbury & Islington Substation, drivers will be instructed by the signaller not to use power notches 3 or 4 between Highbury and Islington Station and the RfL/Network Rail boundary at 2 miles 17chains.

In the event of a rectifier failure at (Dalston) Kingsland Substation, drivers will be instructed by the signaller not to use power notches 3 or 4 between the RfL/Network Rail boundary at 2 miles 17 chains and Hoxton Station.

This requirement derives from instructions in the Lewisham ECO instructions Module 7 and 8.

Dated: 25/06/2022

SO511 – HIGHBURY & ISLINGTON TO NEW CROSS / NEW CROSS GATE (ELL)

Entire Line Of Route

London Overground Class 378 units – operation of de-icing equipment

When instructed to operate the de-icing equipment on the above units, drivers must ensure that the equipment on specific de-icer fitted units is switched on or off when stationary at the following stations:-

Down trains

Highbury and Islington	ON
Whitechapel	OFF
Surrey Quays	ON
*Brockley	OFF

*SO510 London Bridge to Epsom Downs line (Network Rail, Kent Route)

Up trains

New Cross Gate (Platform 1 or 5)	ON
New Cross	ON
Surrey Quays	OFF
Whitechapel	ON

Drivers of trains that start at other locations for example when having been terminated short of destination during perturbed or altered working must switch on the de-icing equipment if advised to do so if they are within the section of line where the equipment is required to be 'ON'.

Dated: 25/06/2022

SO511 - HIGHBURY & ISLINGTON TO NEW CROSS / NEW CROSS GATE (ELL)

Entire Line Of Route

FAILURE OF GSM-R FIXED INFRASTRUCTURE EQUIPMENT

Between Whitechapel Station and the Transport for London/Network Rail boundary at Dalston Junction and South of Surrey Quays Station

Driver awareness

In the event of a failure of the GSM-R fixed infrastructure equipment preventing driver to signaller communication and/or vice-versa, trains may continue to operate normally over any affected line until the close of service the same day.

Where there would no train available to examine the line on an adjacent line in the event that a train became an unusually long time in section, the signaller will request Operations Control to arrange for the train concerned to be accompanied by a Competent Person before it is permitted to proceed.

Between Whitechapel Station and Surrey Quays Station

Driver awareness

In the event of a failure of the GSM-R fixed infrastructure equipment preventing driver to signaller communication and/or vice-versa.

- Operations Control will arrange for sufficient Competent Persons to be made available to accompany the driver of each train over any affected line within two hours of the original failure occurring
- The Signaller will permit trains to continue to travel over any affected line without a Competent Person accompanying the driver of each train for a maximum period of two hours from the time the original failure occurred

The applicable arrangements above permitting trains to proceed over any affected line can continue to be applied until the close of service the same day.

Exception

The signaller must request Operations Control to arrange for the train concerned to be accompanied by a Competent Person before it is permitted to proceed if;

- The time has not been reached whereby a Competent Person is required to travel on each train, and
- There would be no train available to examine the line on an adjacent line in the event that a train was an unusually long time in section

If the failure has not been rectified by the start of service the following day, the signaller must ensure that trains are not permitted to travel over any affected line.

Dated: 25/06/2022

SO511 - HIGHBURY & ISLINGTON TO NEW CROSS/NEW CROSS GATE (ELL)

Entire Line Of Route

The following instructions and procedures apply on the above line of route, between the Transport for London/ Network Rail boundary at Dalston Junction to the Transport for London/Network Rail boundaries at New Cross Gate.

East London Line SCC Contact Details

	External	Internal
Shift Signaller Manager	0203 356 6772	067 66772
Signaller	0203 356 6773	067 66773
	0203 356 6774	067 66774

Lewisham Electrical Control Room Contact Details

EMERGENCY LINE	GSM-R	INTERNAL NUMBER	EXTERNAL NUMBER	MOBILE (in emergency)
177	1400	00 28400	0208 692 6786	07771 612930

Route Clearance

Before any rolling stock operates on the East London Railway Core Route, approval shall be obtained from the London Overground Engineering Manager.

Dated: 25/06/2022

SO511 - HIGHBURY & ISLINGTON TO NEW CROSS / NEW CROSS GATE (ELL)

SURREY QUAYS to SHOREDITCH HIGH STREET

Tunnel sections between Surrey Quays and Shoreditch High Street stations

Class 378 units

Failed trains able to contact the signaller

If a train is declared a failure and the driver is able to contact the signaller, the following procedure will apply.

If the signaller establishes that a train has not moved and is able to establish contact with the train, the ELL Failed Train Procedure will apply.

The Rule Book, Module M2, is modified by the following instruction:

- The driver of the assisting train will when required be authorised to enter the tunnel section without picking up the driver of the failed train,
- The driver of the assisting train will **not** arrive at the assistance protection (not carried out),
- The driver of the assisting train must travel at no more than 3mph whilst proceeding beyond the final signal/station location protecting the failed train,
- The driver of the assisting train must stop 10m from the failed train, and
- Once stopped 10m from the failed train, the driver of the assisting train must contact the signaller who will initiate a 3-way call via the GSM-R radio to arrange the coupling process.

Dated: 25/06/2022

SO520 - THREE BRIDGES TO PORTSMOUTH HARBOUR

HORSHAM

When trains are required to shunt via the Up line (towards the Limit Of Shunt) or Up Siding South the Signaller must not operate the signal for the movement to commence until the Driver has been informed of the route to be used, using the telephones at the country end of the Platforms.

The Signaller must again inform the Driver if the route has been altered for any reason.

If the Driver of any train booked to shunt at Horsham, except for those booked to the Malthouse Siding, should receive a signal to shunt via the south end without being informed of the route, he should not accept the signal until he has contacted the Signaller for clarification.

The Driver of a train or the Person in Charge of the movement from Malthouse siding must ask the Signaller for permission to draw up to shunt signal No.54.

Dated: 02/12/06

SO520 - THREE BRIDGES TO PORTSMOUTH HARBOUR

ARUNDEL

Traincrew of down trains which terminate must operate ‘the Train Arrived Complete’ plunger.

Dated: 02/12/06

SO520 - THREE BRIDGES TO PORTSMOUTH HARBOUR

FORD

Up passenger trains are authorised to start from the down platform. A Handsignaller will not be provided and Drivers are authorised to proceed when position light signal 53 is cleared. The instruction “Starting of passenger trains where no stop signal is provided” in Section 3 is modified accordingly.

Dated: 02/12/06

SO520 - THREE BRIDGES TO PORTSMOUTH HARBOUR

CHICHESTER

When the yard is unstaffed, Guards must:-

1. Berth their trains and operate hand brakes as necessary.
2. Release the locomotive in conjunction with the Signaller.
3. Authorise the driver to pass the 'Stop' board as necessary.
4. Shunt, detach and attach wagons as necessary.
5. Leave the yard points in position as directed by the Signaller.

A board and white light are provided adjacent to No. 1 up west siding and apply to movements in a westerly direction. The board is worded "Stop. Movements along No. 1 siding may proceed when white light shows. For other movements phone the Signaller". Trains entering the up yard at the Chichester station end must stop at the board and, provided the white light is displayed and the Signaller or Shunter has not given instructions to the contrary, may proceed along No. 1 up west siding.

Movements must not pass the board if the white light is not displayed, or enter No. 2 up west siding from the Chichester station end or proceed along that siding in the direction of Fishbourne Crossing, without the Signaller's permission.

Dated: 28/07/07

SO520 - THREE BRIDGES TO PORTSMOUTH HARBOUR

PORTSMOUTH HARBOUR

Platforms 3, 4 and 5 are restricted to 12 cars only and, if there are 12 cars, they must not consist of more than two trains.

Whenever trains are coupled or uncoupled in any platform, the Person in Charge of the platform must advise the Signaller that coupling / uncoupling has taken place and the identity and formation of the trains standing in the platform.

Dated: 02/12/06

SO540 - HURST GREEN JN TO UCKFIELD

ERIDGE

Spa Valley Railway operating over the former down line between Birchden Junction at 34M 56CH and Eridge Station at 35M 53CH.

The Spa Valley Railway (SVR) runs between Birchden Junction at 34m 56ch and Eridge station at 35m 53ch over the former down line which has been renamed to the Tunbridge Wells Line (TWL). The TWL runs adjacent to the Uckfield single line between Birchden Junction and Eridge Station and is bi directional

T3 Possessions or line blockages shall be made through the normal Network Rail planning process, except where it is necessary to take a T3 possession in an urgent situation or a line blockage is required that has not been possible to plan using the normal planning process. In all cases, possession / line blockage arrangements shall then be applied as below.

T3 possessions on the Uckfield line or a line blockage requiring the TWL to be blocked to train movements.

Taking the Possession or Line Blockage

If a T3 possession, is required on the Network Rail Uckfield single line where it runs adjacent to the TWL, the TWL must be blocked to train movements and the following instructions must be applied, similarly, if a line blockage is required on the Uckfield Single Line that will necessitate a blockage of the TWL, these instructions must also be followed as far as they apply to movements on the TWL.

Unless the TWL is already closed to train movements, the following will apply:

1. The signaller will contact the SVR Duty Manager (SVRDM) and request that the TWL be blocked to all train movements between SVR 901 and Eridge station.
2. The SVRDM must ensure the line is clear and arrange for the gate at Birchden Jn to be closed across the TWL . If a train is berthed on the buffer stops on the TWL in Eridge station, the SVRDM will arrange for not to go boards to provided at each end of the train or two red lights, flashing or steady after darkness or during fog or falling snow.

3. The SVRDM must give the signaller at Oxted an assurance when the line is clear and that the gate at Birchden Junction is closed and secured across the TWL. if a train is berthed in Eridge station, the SVRDM must confirm that protection has been afforded as above.
4. The signaller shall then record the SVRDM's name in the occurrence book together with a unique reference number.
5. The Signaller at Oxted must then advise the person requesting the line blockage or possession accordingly.
6. If additional protection in accordance with a line blockage is necessary on the TWL, the person requesting the line blockage must provide detonator protection Eridge side of the closed gate at Birchden Junction, additionally, if a train has been berthed on the buffer stops in Eridge station, detonator protection must be provided, London side of the crossover on the TWL at Eridge. The person requesting the line blockage must advise the signaller at Oxted when the additional detonator protection has been provided.

Giving up of Possession or Line Blockage

1. In addition to the requirements of the Rule Book as far as the Uckfield single line is required, the following action must be undertaken with regard to the TWL
2. The COSS/IWA/PC must remove any additional protection used on the TWL
3. Once the possession or line blockage has been given up, the Signaller at Oxted will contact the SVRDM, confirming the reference number and advising them that normal working may recommence.
4. The SVRDM will remove any not to go boards / lights at the Eridge end of the TWL on any train that has been berthed there and arrange for the gate at Birchden Junction to be opened.

Note:

- In addition to the instructions above, after the TWL has been blocked, the signaller and the person requesting the possession / line blockage must then comply with the relevant requirements of the Rule Book as far as the Uckfield Single Line is concerned.
- The Spa Valley Railway Crossing Attendant at Forge Farm level crossing will be advised by the SVRDM of the circumstances of any possession or line blockage arrangements.

Dated: 07/06/14

SO540 - HURST GREEN JN TO UCKFIELD

UCKFIELD

Berthing of trains
Berthing in the platform line is prohibited.

Dated: 02/12/06

SO540 - HURST GREEN JN TO UCKFIELD

UCKFIELD

Rule Book, Module TW1, Section 20.2.
Permissive working is prohibited.

Dated: 07/12/13

SO550 - REDHILL TO TONBRIDGE

Entire Line Of Route

Trains calling at intermediate stations
The maximum length of passenger trains that can be accommodated at the platforms of intermediate stations between Redhill and Tonbridge is four coaches. Any passenger train longer than 4 cars that is required to call at an intermediate station must have all coaches other than the leading four locked out of use.

Dated: 02/12/06

SO590 - KEYMER JN TO EASTBOURNE

LEWES

In emergency, or when specially authorised, passenger trains from Haywards Heath to Brighton and vice-versa may be diverted via, and reverse, at Lewes. Unless details have been published by Special Notice, the Signaller must arrange for Drivers to be advised of the circumstances.

DOO(P) trains.

DOO(P) trains must not serve Lewes station unless it has been arranged for platform staff to be positioned adjacent to the driving cab to relay the "close doors" and "ready to start" signals to the Driver, and a special stop order has been issued.

All trains.

After arrival in the Down Lewes, Down East Branch, or Loop platform line and, when applicable, after completion of station duties the train must continue to the appropriate 4, 8 or 12-car stopping mark on the Southerham Junction side of position light signal 58. This movement must be driven from the leading cab.

The Driver must change ends by walking through the train and using the ground level walking areas to pass between cabs of non-gangwayed units. A Handsignaller will not be provided to control the subsequent movement to the Up Lewes, Up East Branch or Loop platform line. Drivers are authorised to proceed when position light signal 58 is cleared.

Dated: 02/12/06

SO600 - WILLINGDON JN TO ASHFORD

HASTINGS To ORE

A train must not be propelled, nor may a shunting movement be made, on the up line between signal EDL11, and the 'Limit of shunt' indicator at Ore. A train must not be propelled in the right direction on the down line between signal EDL83 and the inner home signals.

Dated: 02/12/06

SO600 - WILLINGDON JN TO ASHFORD

Mount Pleasant Tunnel

Mk 1 and Mk 2 stock only (former slam door) are subject to codeword OPPOS through Mount Pleasant Tunnel in both directions.

Dated: 24/05/08

SO600 - WILLINGDON JN TO ASHFORD

ORE To APPLEDORE

Tokenless Block Working

Trains may be authorised to proceed by means of a written order as shown in the Rule Book, Module P2, section 7 'Modified Working Arrangements'.

The written order (RT3177 form) will be completed by the Driver and cancelled as follows:

6. Trains travelling from Appledore to Rye
   When the train arrives at Appledore the Driver will be advised by the Signaller at Ashford IECC the signalling equipment has failed and that they must complete a RT3177 form as authority to proceed. These forms can be carried by traincrew or obtained from a cabinet by AD897 signal. The Driver must complete the form at the dictation of the Signaller. The Driver must advise the Signaller at Rye of their arrival at Rye. The Rye Signaller will instruct the Driver to write 'cancelled' across the form which must be retained by the Driver and handed to their supervisor at the end of their turn of duty..

7. Trains travelling from Rye to Appledore
   When the train arrives at Rye the Driver will be advised by the Signaller at Rye the signalling equipment has failed and that they must complete a RT3177 form as authority to proceed; if the Driver doesn't have the form the Signaller shall provide it. The Driver must complete the form at the dictation of the Signaller. The Driver must advise the Signaller at Ashford IECC of their arrival at Appledore. The Ashford Signaller will instruct the Driver to write 'cancelled' across the form which must be retained by the Driver and handed to their supervisor at the end of their turn of duty.

8. Trains travelling from Rye to Ore
   When the train arrives at Rye the Driver will be advised by the Signaller at Rye the signalling equipment has failed and that they must complete a RT3177 form as authority to proceed; if the Driver doesn't have the form the Signaller shall provide it. The Driver must complete the form at the dictation of the Signaller. The Driver must advise the Signaller at Hastings of their arrival at Ore, signal EDL83. The Hastings Signaller will instruct the Driver to write 'cancelled' across the form which must be retained by the Driver and handed to their supervisor at the end of their turn of duty.

9. Trains travelling from Ore to Rye

When the train arrives at Ore, signal EDL12 the Driver will be advised by the Signaller at Hastings the signalling equipment has failed and that they must complete a RT3177 form as authority to proceed. The Driver must complete the form at the dictation of the Signaller. These forms can be carried by the Driver or obtained from a cabinet near to EDL83 signal. The Driver must advise the Signaller at Rye of their arrival at Rye. The Rye Signaller will instruct the Driver to write 'cancelled' across the form which must be retained by the Driver and handed to their supervisor at the end of their turn of duty. **Note in the event of the block instrument being locked between Hastings and Rye preventing EDL23 points being set to the reverse position it will be necessary for the Signaller at Hastings to advise the Driver that they will need to proceed into the Up Siding and then cross to the Down Platform in order to gain access to the single line, in this instance the RT3177 form will be dictated to the Driver upon their arrival in the Down platform.**

Dated: 02/09/23

SO600 - WILLINGDON JN TO ASHFORD

Ore Up Siding

Trains reversing at this location must proceed fully into the siding in order that the rear of the train is clear of the trap points, and behind no.26 position light signal.

When a train is ready to depart from Ore Up Siding the Driver must advise the Signaller by the use of the GSMR prior to booked departure time.

It is permitted for the Driver to operate the "SG" (Standing at signal) facility.

Dated: 07/05/16

SO620 - BRIGHTON TO SEAFORD

NEWHAVEN HARBOUR To SEAFORD

Electric trains must not exceed 8 cars or a conductor rail current index of 8.

If a train has a conductor rail index greater than 4 the Driver must work under series-only conditions.

Dated: 02/12/06

SO640 - BARNHAM TO BOGNOR REGIS

BOGNOR REGIS

When a train is ready to leave Nos. 1, 2 or 3 up sidings, the Driver, Conductor or Shunter must advise the Signaller.

Dated: 20/09/08

SO650 - BALHAM JN TO BECKENHAM JN

CRYSTAL PALACE

Multiple unit trains without gangways throughout, being shunted on the up line towards Gypsy Hill, must be conducted with two drivers driven from the leading cab in the direction of travel. You must not get out in the tunnel.

Dated: 20/09/08

SO680 - SOUTH BERMONDSEY JN TO HORSHAM

EPSOM

All movements into up and down sidings must go to the furthest point. 4-car and 8-car stopping marks are provided in the down and up sidings as an indication that an in going movement of the respective length is clear of all points leading to the running lines. They do not apply to movements into these sidings for berthing. A stopping mark is provided at the country end of both sidings, at which the first berthing movement must stop. All following berthing movements must draw up in close order leaving the maximum room for other movements to be made.

The Driver of a train from the down or up sidings must ask the Signaller for permission to draw up to the position light signal at the London end of the sidings. The Driver must operate the "Train Ready To Start" plunger when ready to leave the siding.

Dated: 20/09/08

SO680 - SOUTH BERMONDSEY JN TO HORSHAM

SOUTH BERMONDSEY To EAST DULWICH (via Peckham Rye)

Control of the Signalling in this area has been transferred to the Three Bridges Rail Operating Centre (TBROC) and is controlled by the TBROC-London Bridge Central Workstation. Signals and associated signalling equipment identity numbers in this area, previously prefixed as 'L' have been changed to the new prefix of 'TL'.

All signal plates have been changed to prefix 'TL'. If a label showing prefix 'L' is found on any other signalling equipment in this area, it should be read as prefix 'TL' i.e on a signal post replacement switch.

Dated: 29/12/14

SO680 - SOUTH BERMONDSEY JN TO HORSHAM

SOUTH BERMONDSEY To EAST DULWICH

The Signalling in this area is controlled by the Three Bridges Rail Operating Centre (TBROC) - London Bridge Central Workstation.

The workstation is will be operated by TWO Signallers, the Signallers will be identified as:

'Signaller TBROC-London Bridge Central Workstation London End'

and

'Signaller TBROC-London Bridge Central Workstation Country End'

The area of responsibility is divided as shown below:

TBROC-London Bridge Central Workstation London End:

<table>
<tr><td rowspan="3">London Bridge Station end of Workstation</td><td rowspan="3">and</td><td colspan="2">Bricklayers Arms Jn/ New Cross Gate</td><td colspan="2">South Bermondsey Stn</td></tr>
<tr><td>Down (inc)</td><td>Up (inc)</td><td>Down (inc)</td><td>Up (inc)</td></tr>
<tr><td>TL4133
TL4615</td><td>TL4444
TL4016
TL4620</td><td>TL4219</td><td>TL4216
TL4218</td></tr>
</table>

TBROC-London Bridge Central Workstation Country End:

<table>
<tr><td colspan="2">Bricklayers Arms Jn/ New Cross Gate</td><td colspan="2">South Bermondsey Stn</td><td rowspan="3">and</td><td rowspan="3">Country end of Workstation</td></tr>
<tr><td>Down (inc)</td><td>Up (inc)</td><td>Down (inc)</td><td>Up (inc)</td></tr>
<tr><td>TL4023
TL4451
TL4621</td><td>TL4016
TL4446</td><td>TL4221</td><td>TL4220</td></tr>
</table>

Dated: 03/01/15

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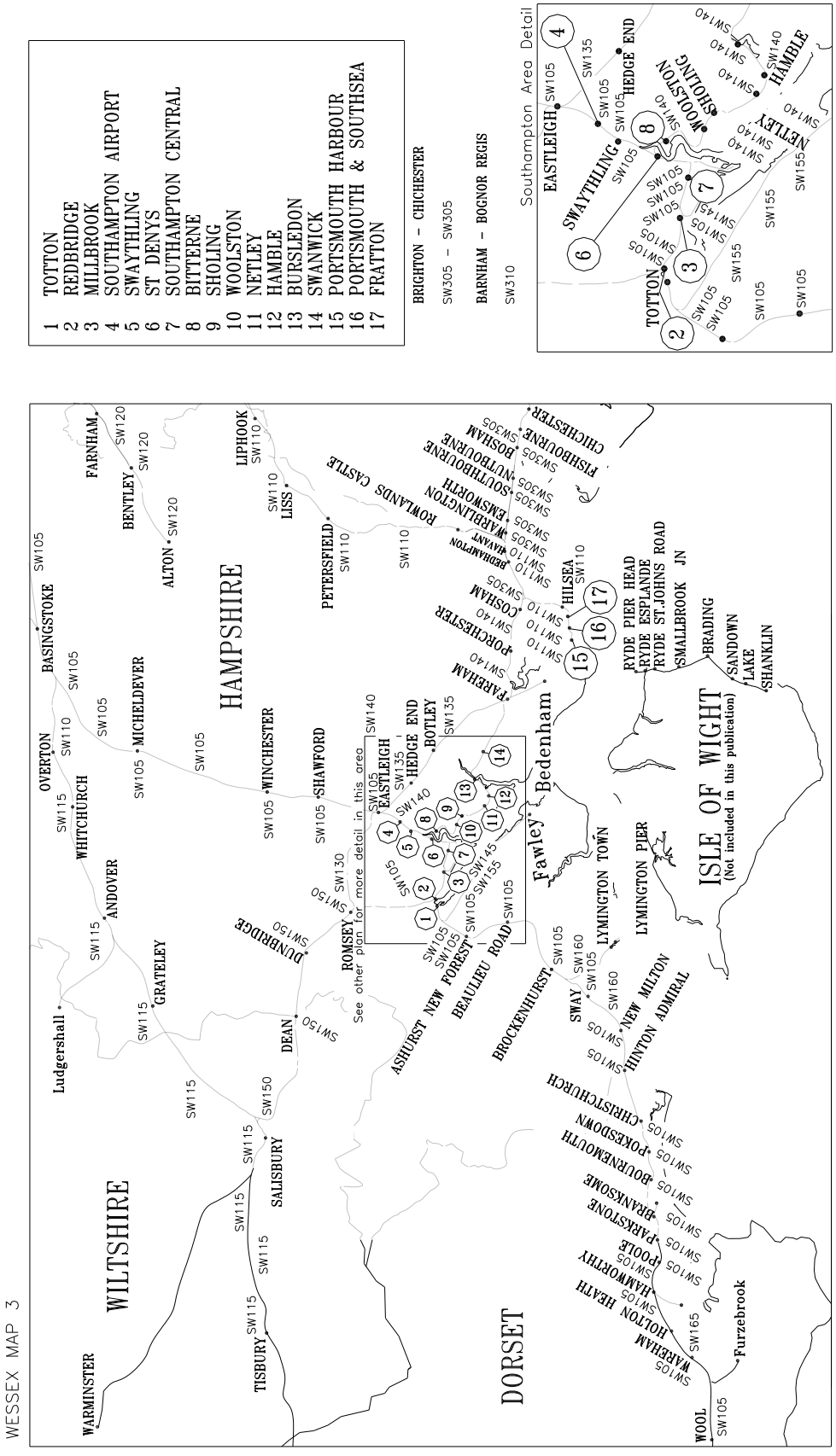
MAPS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3 MILLBROOK
4 SOUTHAMPTON AIRPORT
5 SWAYTHLING
6 ST DENYS
7 SOUTHAMPTON CENTRAL
8 BITTERNE
9 SHOLING
10 WOOLSTON
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12 HAMBLE
13 BURSLEDON
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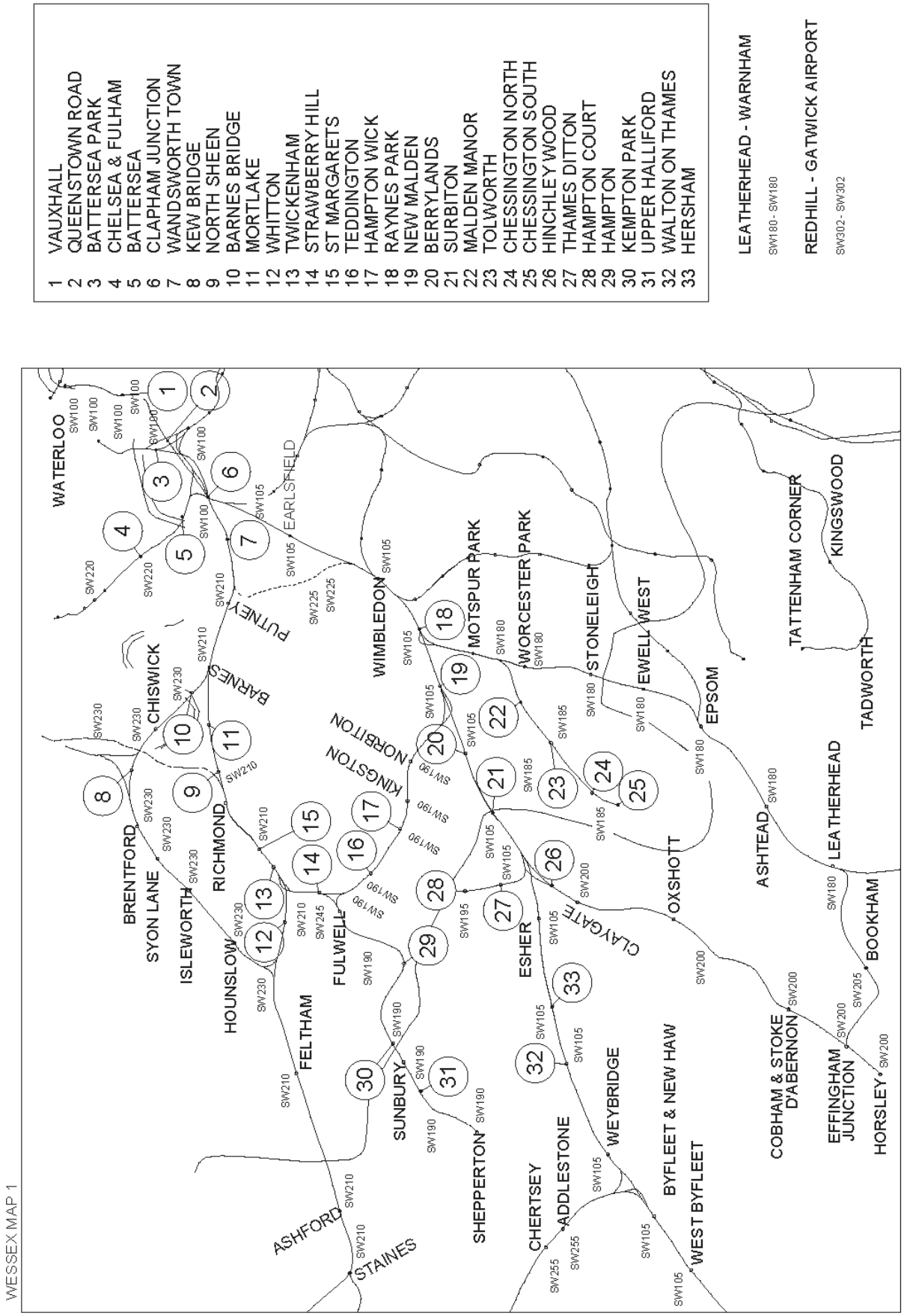
BRIGHTON - CHICHESTER
SW305 - SW305
BARNHAM - BOGNOR REGIS
SW310
Southampton Area Detail
EASTLEIGH
SWAYTHLING
HEDGE END
WOOLSTON
SHOLING
HAMBLE
NETLEY
TOTTON
HAMPSHIRE
WILTSHIRE
DORSET
ISLE OF WIGHT
(Not included in this publication)
WESSEX MAP 3
See other plan for more detail in this area
Bedenham
Fawley
WINCHESTER
ANDOVER
SALISBURY
BASINGSTOKE
FARNHAM
ALTON
PETERSFIELD
LISS
LIPHOOK
FAREHAM
PORCHESTER
HILSEA
CHICHESTER
RYDE PIER HEAD
RYDE ESPLANDE
RYDE ST.JOHNS ROAD
SMALLBROOK JN
BRADING
SANDOWN
LAKE
SHANKLIN
LYMINGTON TOWN
LYMINGTON PIER
NEW MILTON
HINTON ADMIRAL
BROCKENHURST
ASHURST NEW FOREST
BEAULIEU ROAD
ROMSEY
DUNBRIDGE
DEAN
GRATELEY
WHITCHURCH
OVERTON
MICHELDEVER
SHAWFORD
BOTLEY
TISBURY
WARMINSTER
Ludgershall
Furzebrook
WOOL
WAREHAM
HOLTON HEATH
HAMWORTHY
POOLE
PARKSTONE
BRANKSOME
BOURNEMOUTH
POKESDOWN
CHRISTCHURCH
SWAY

REDHILL – GOMSHALL
SW301 – SW301
WESSEX MAP 2
SURREY
WINDSOR & ETON RIVERSIDE
DATCHET
SUNNYMEADS
WRAYSBURY
STAINES
EGHAM
VIRGINIA WATER
CHERTSEY
ADDLESTONE
WEYBRIDGE
WEST BYFLEET
WOKING
BROOKWOOD
WORPLESDON
CLANDON
LONDON ROAD
GUILDFORD
GOMSHALL
CHILWORTH
SHALFORD
FARNCOMBE
GODALMING
MILFORD
WITLEY
HASLEMERE
LIPHOOK
LONGCROSS
SUNNINGDALE
ASCOT
NORTH HEATH
MARTINS
BAGSHOT
CAMBERLEY
FRIMLEY
ASH VALE
ASH
NORTH CAMP
ALDERSHOT
WANBOROUGH
FARNHAM
BENTLEY
ALTON
BRACKNELL
WORKINGHAM
WINNERSH TRIANGLE
WINNERSH
EARLEY
READING
CROWTHORNE
SANDHURST
BLACKWATER
FARNBOROUGH NORTH
FARNBOROUGH
FLEET
WINCHFIELD
HOOK
MORTIMER
BRAMLEY
BASINGSTOKE
OVERTON
MICHELDEVER


1 VAUXHALL
2 QUEENSTOWN ROAD
3 BATTERSEA PARK
4 CHELSEA & FULHAM
5 BATTERSEA
6 CLAPHAM JUNCTION
7 WANDSWORTH TOWN
8 KEW BRIDGE
9 NORTH SHEEN
10 BARNES BRIDGE
11 MORTLAKE
12 WHITTON
13 TWICKENHAM
14 STRAWBERRY HILL
15 ST MARGARETS
16 TEDDINGTON
17 HAMPTON WICK
18 RAYNES PARK
19 NEW MALDEN
20 BERRYLANDS
21 SURBITON
22 MALDEN MANOR
23 TOLWORTH
24 CHESSINGTON NORTH
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LEATHERHEAD - WARNHAM
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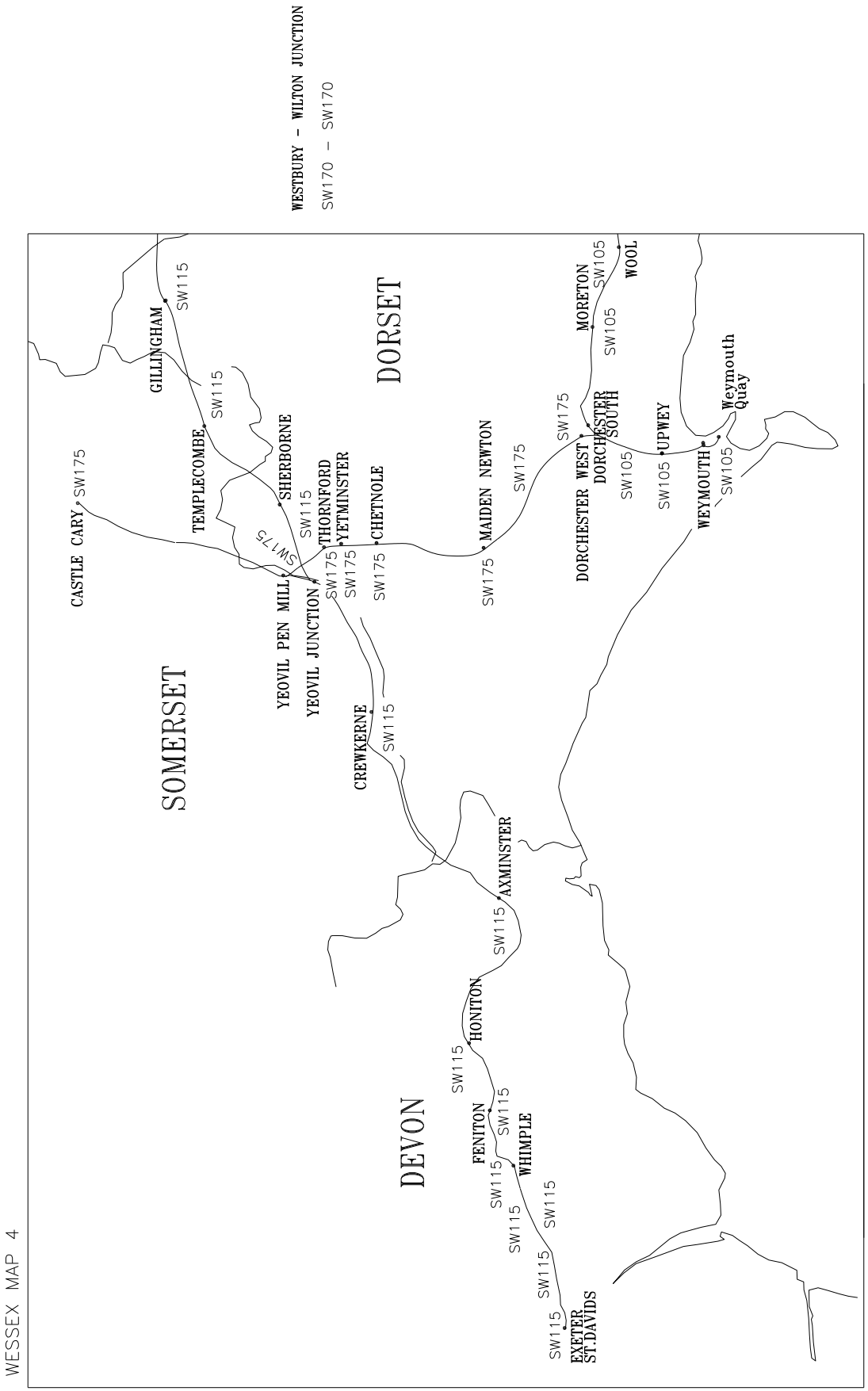
WESSEX MAP 1
WATERLOO
CHISWICK
BARNES
PUTNEY
EARLSFIELD
WIMBLEDON
MOTSPUR PARK
WORCESTER PARK
STONELEIGH
EWELL WEST
EPSOM
TATTENHAM CORNER
KINGSWOOD
TADWORTH
BRENTFORD
SYON LANE
ISLEWORTH
RICHMOND
KINGSTON
NORBITON
HOUNSLOW
FELTHAM
FULWELL
ESHER
CLAYGATE
OXSHOTT
ASHTEAD
LEATHERHEAD
BOOKHAM
SUNBURY
SHEPPERTON
CHERTSEY
ADDLESTONE
WEYBRIDGE
BYFLEET & NEW HAW
WEST BYFLEET
ASHFORD
STAINES
COBHAM & STOKE D'ABERNON
EFFINGHAM JUNCTION
HORSLEY


WESSEX MAP 4
WESTBURY - WILTON JUNCTION
SW170 - SW170
SOMERSET
DORSET
DEVON
CASTLE CARY
GILLINGHAM
TEMPLECOMBE
SHERBORNE
YEOVIL PEN MILL
YEOVIL JUNCTION
THORNFORD
YETMINSTER
CHETNOLE
CREWKERNE
MAIDEN NEWTON
DORCHESTER WEST
DORCHESTER SOUTH
MORETON
WOOL
UPWEY
WEYMOUTH
Weymouth Quay
AXMINSTER
HONITON
FENITON
WHIMPLE
EXETER ST.DAVIDS
SW115
SW175
SW105

EXCEPTIONALLY POOR RAIL ADHESION

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EXCEPTIONALLY POOR RAIL ADHESION

SW105 (CLAPHAM JUNCTION TO WEYMOUTH)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Surbiton	Down Slow	11m 50ch to 11m 60ch	7
Walton to Weybridge	Down Slow and Fast lines	18m 0ch to 19m 54ch	7
Basingstoke Aqueduct to Farnborough	All	31m 30ch to 31m 60ch	6
Hook	All	41m 30ch to 43m 43ch	7
Basingstoke Canal to Farnborough	All	31m 30ch to 32m 60ch	6
Basingstoke to Worting Junction	All	47m 13ch to 50m 21ch	6
Lichfield Tunnel to Micheldever	Up and Down Main	55m 50ch to 58m 30ch	7
Lichfield Tunnel to Shawford	All	55m 50ch to 69m 75ch	7
Wallers Ash to Shawford	Up and Down Main	63m 0ch to 69m 75ch	7
Swaythling	Up and Down Main	75m 60ch to 76m 10ch	7
Totton	All	82m 08ch to 82m 73ch	6
Brockenhurst to Hinton Admiral	All	92m 66ch to 101m 10ch	9
Pokesdown to Parkstone	Up and Down Main	106m 19ch to 112m 46ch	8
Hamworthy	Up and Down Main	115m 77ch to 116m 50ch	6
Holton Heath	Up and Down Main	118m 56ch to 118m 61ch	6
Worgret Junction to Moreton	Up and Down Main	122m 78ch to 130m 30ch	7
Winchfield to Worting Junction	All	40m 40ch to 54m 0ch	8
Pokesdown to Dorchester South	All	106m 19ch to 135m 40ch	9
Addlestone Junction	Up	19m 10ch to 19m 20ch	6

Dated: 04/11/2023

SW110 (WOKING JUNCTION TO PORTSMOUTH HARBOUR)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Witley to Liphook	Up and Down Main	37m 20ch to 47m 40ch	8
Buriton Tunnel (Petersfield)	All	57m 30ch to 57m 50ch	6

Dated: 04/11/2023

SW115 (WORTING JUNCTION TO EXETER ST. DAVIDS)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Whitchurch	All	57m 55ch to 58m 20ch	7
Andover to Wilton Junction	Up and Down Exeter	68m 68ch to 85m 79ch	8
Tisbury	Single	94m 20ch to 94m 30ch	6
Crewkerne to Feniton	All Lines	131m 50ch to 157m 20ch	9

Dated: 04/11/2023

SW120 (PIRBRIGHT JUNCTION TO ALTON)

Location	Line(s) Affected	Mileage (Between)
Foxhills Tunnel to Aldershot Junction	Down	31m 0ch to 33m 40ch
Bentley to Alton	Single	44m 40ch to 49m 10ch

Dated: 26/09/2020

SW125 (SOUTHCOTE JUNCTION TO BASINGSTOKE)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Bramley	Up and Down Reading	45m 60ch to 47m 20ch	5
Basingstoke	Up and Down Reading	50m 15ch to 51m 20ch	6

Dated: 04/11/2023

SW130 (EASTLEIGH TO ROMSEY)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Chandlers Ford	All	74 m 30 ch ***to*** 76 m 50 ch	7

Dated: 04/11/2023

SW135 (EASTLEIGH TO FAREHAM)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Hedge End to Botley	Up and Down Portsmouth	76m 76ch to 77m 01ch	7
Botley (country end)	All	76m 46ch to 83m 70ch	7

Dated: 04/11/2023

SW140 (ST. DENYS TO PORTCREEK JUNCTION)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Hamble to Fareham	Up and Down Netley	07m 0ch to 14m 0ch	8
Fareham to Portchester	Up and Down Portsmouth	85m 60ch to 86m 10ch	7
Woolston to Porchester	All	3m 20ch to 86m 10ch	8

Dated: 04/11/2023

SW150 (REDBRIDGE TO SALISBURY TUNNEL JUNCTION)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Motisfont & Dunbridge	Up and Down Dean	83m 40ch to 84m 70ch	8
Dean to Milford	Up and Down Dean	88m 10ch to 95m 50ch	8
Dunbridge to Laverstock South	All	83m 40ch to 95m 50ch	8

Dated: 04/11/2023

SW170 (WESTBURY TO WILTON JUNCTION)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Upton Lovell to Warminster	Up and Down Warminster	116 m 70 ch to 116 m 79 ch	8
Couston Bottom (UWC) to Wilton Junction	Down Warminster	131 m 70 ch to 132 m 32 ch	7
Warminster to Wilton Jn	All	116 m 70 ch to 13 2m 32ch	8

Dated: 04/11/2023

SW180 (RAYNES PARK TO HORSHAM)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Raynes Park	Up and Down Epsom	8m 09ch to 9m 18ch	7
Epsom South Junction	Up	18m 10ch to 18m 30ch	7
Boxhill	All	19m 70ch to 21m 10ch	6

Dated: 04/11/2023

SW185 (MOTSPUR PARK TO CHESSINGTON SOUTH)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Chessington North to Chessington South	Up and Down Chessington	13 m 25 ch ***to*** 13 m 73 ch	8

Dated: 04/09/2022

SW190 (NEW MALDEN TO SHEPPERTON)

Location	Line(s) Affected	Mileage (Between)
Fulwell to Shepperton	All	12m 75ch to 18m 73ch
Kempton Park	Up	15m 50ch to 15m 60ch

Dated: 04/11/2023

SW200 (HAMPTON COURT JUNCTION TO GUILDFORD (VIA COBHAM))

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Claygate to Clandon	Up and Down Cobham	15m 0ch to 26m 21ch	8

Dated: 04/11/2023

SW205 (LEATHERHEAD TO EFFINGHAM JUNCTION)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Leatherhead to Effingham Junction	Up and Down Bookham	18 5 44 ch ***to*** 22 m 15 ch	5

Dated: 04/11/2023

SW210 (CLAPHAM JUNCTION TO READING)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Virginia Water to Martins Heron	Up and Down Twickenham	23m 15ch to 30m 36ch	8
Wokingham to Winnersh	Up and Down Main	63m 08ch to 63m 73ch	7
Bracknell to Winnersh Triangle	All	34m 31ch to 64m 72ch	7

Dated: 04/11/2023

SW230 (BARNES TO FELTHAM JUNCTION (VIA HOUNSLOW)

Location	Line(s) Affected	Mileage (Between)	
Kew Bridge to Syon Lane	All	9m 53ch to 12m 00ch	
Hounslow	Down	12m 14ch to 14m 0ch	7

Dated:04/11/23

SW250 (STAINES TO WINDSOR ETON RIVERSIDE)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Windsor and Eton Riverside	Up	25m 20ch to 25m 30ch	6

Dated: 04/09/2022

SW255 (VIRGINIA WATER TO WEYBRIDGE)

Location	Line(s) Affected	Mileage (Between)
Webridge to Chertsey	All	19m 12ch to 24m 73ch

Dated: 01/10/19

SW260 (ASCOT TO ASH VALE JUNCTION)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Ascot to Frimley Junction	Up and Down Frimley	29m 0ch to 38m 46ch	8

Dated: 04/11/2023

SW265 (GUILDFORD TO WOKINGHAM)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Wanborough to Ash	Up and Down Ash	34m 24ch to 49m 18ch	8
Blackwater to Wokingham Junction	Up and Down Blackwater	55m 58ch to 61m 72ch	8

Dated: 04/11/2023

SW300 (GOMSHALL TO SHALFORD JUNCTION)

Location	Line(s) Affected	Mileage (Between)	Adhesion risk score
Gomshall to SHalford	Up and Down Redhill	35m 21ch to 41m 02ch	6
Gomshall to Chilworth	Up and Down Redhill	35m 21ch to 41m 02ch	6

Dated: 04/11/2023

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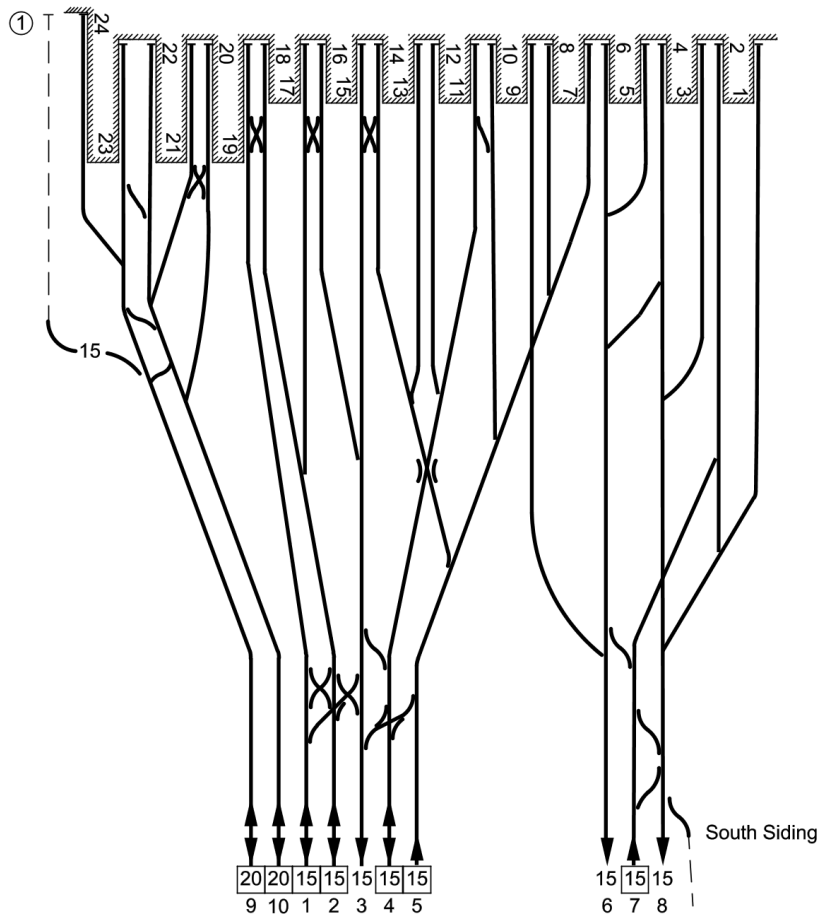
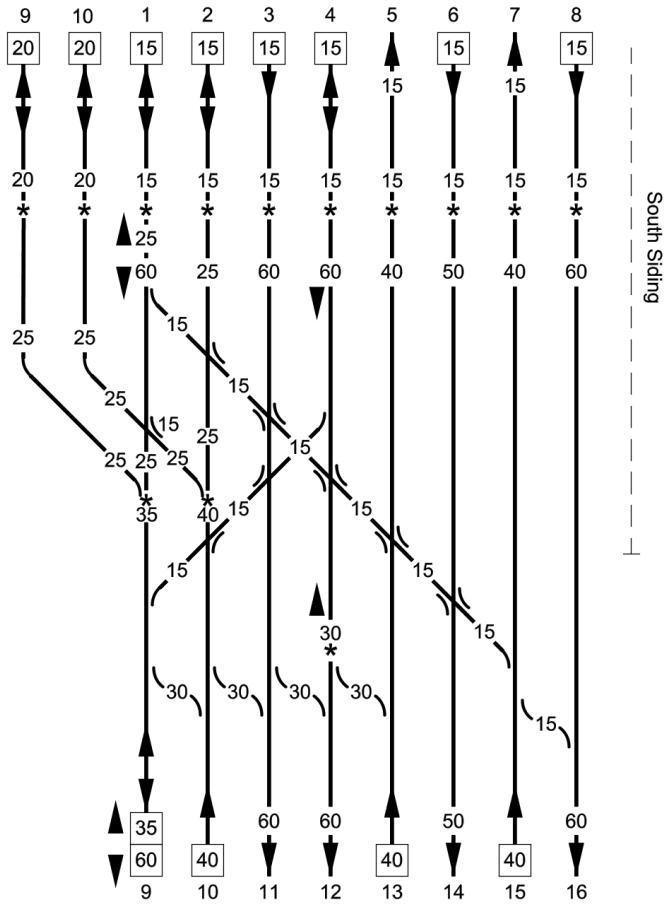
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	001	Waterloo to Clapham Junction	JAT RDG1 BML1	Wessex	16/10/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WATERLOO	00 00	MAXIMUM PERMISSIBLE SPEED 60 MPH	GSM-R TCB Wimbledon SC (W)-Main Line RA8 DC:Raynes Park Platforms 1 -24 PP ① North Siding - Non Electrified and prohibited for passenger stock A.W.S. not provided for emergency and temporary speed restrictions between Waterloo and Clapham Jn Wimbledon SC (W)-Windsor Lines
North Siding	00 28		
South Sidings	00 29		

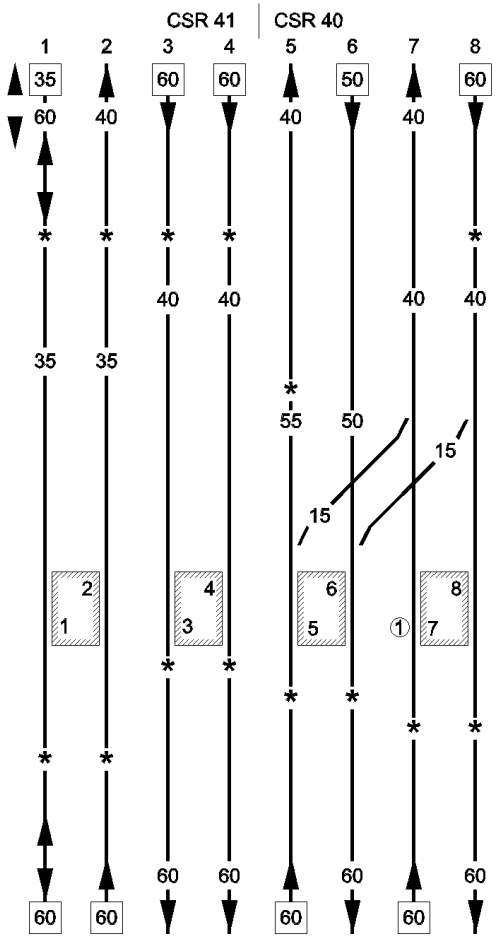


1 Windsor Reversible
2 Up Windsor
3 Down Windsor
4 Up Main Relief
5 Up Main Fast
6 Down Main Fast
7 Up Main Slow
8 Down Main Slow
9 Windsor Relief Line 2
10 Windsor Relief Line 1

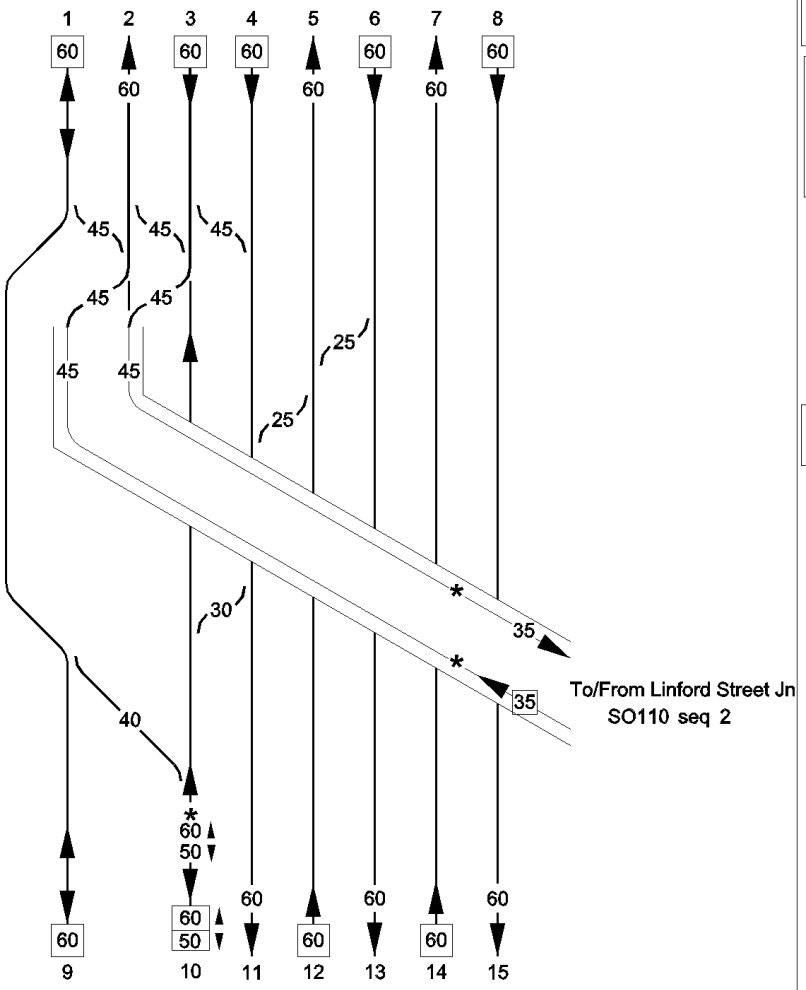
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	002	Waterloo to Clapham Junction	JAT RDG1 BML1	Wessex	16/10/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
International Jn West Crossings	00 34 *		GSM-R TCB Wimbledon SC (W) - Main Line RA4/8 (1) DC: Raynes Park (1) RA4 = Up Main Slow and Down Main Slow from Carlisle Lane Jn 0m 42ch to crossover at 2m 65ch RA8 = All other lines 1 Windsor Reversible 2 Up Windsor 3 Down Windsor 4 Up Main Relief 5 Up Main Fast 6 Down Main Fast 7 Up Main Slow 8 Down Main Slow 9 Windsor Relief Line 2 10 Windsor Relief Line 1 Wimbledon SC (W) - Windsor Lines
Carlisle Lane Jn	00 40 *		RA4 Up Main Slow and Down Main Slow RA8 All other lines 9 Windsor Reversible 10 Up Windsor 11 Down Windsor Fast 12 Down Windsor Slow 13 Up Main Fast 14 Down Main Fast 15 Up Main Slow 16 Down Main Slow
	00 42 *		

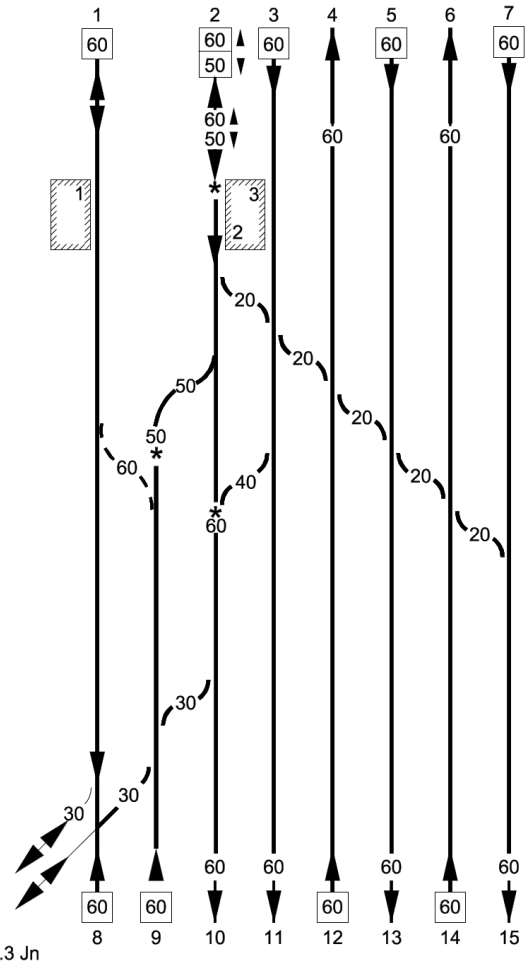
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	003	Waterloo to Clapham Junction	RDG1 BML1	Wessex	28/03/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
VAUXHALL	01 00 *		GSM-R TCB Wimbledon SC (W) - Main Line RA4/8 (1) DC: Raynes Park (1) RA4 = Up Main Slow and Down Main Slow from Carlisle Lane Jn 0m 42ch to crossover at 2m 65ch RA8 = All other lines 1 Windsor Reversible 2 Up Windsor 3 Down Windsor Fast 4 Down Windsor Slow 5 Up Main Fast 6 Down Main Fast 7 Up Main Slow 8 Down Main Slow Wimbledon SC (W) - Windsor Lines ① MPV's through Platform 7 (Up Main Slow) are restricted to 5 mph
	01 16 *		
	01 29		
	01 40 *		
	01 55 *		
	01 60 *		
	01 61 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	004	Waterloo to Clapham Junction	RDG1 BML1 AHG	Wessex	07/04/2014

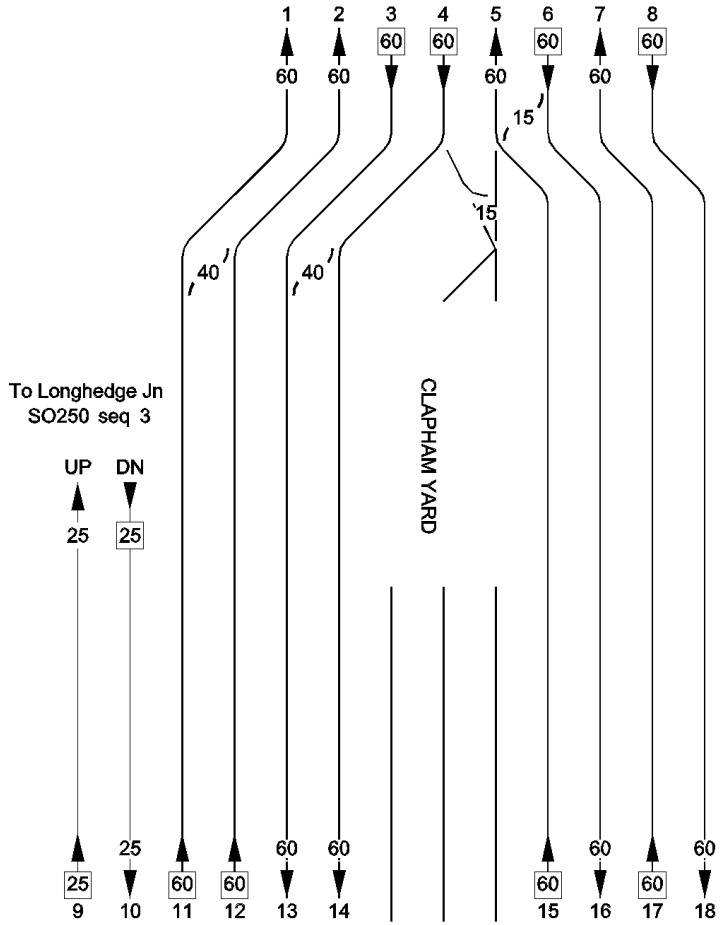
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Nine Elms Jn	01 78 02 30 * 02 38 *		GSM-R TCB Wimbledon SC (W) - Main Line RA4/8 (1) DC: Raynes Park (1) RA4 = Up Main Slow and Down Main Slow from Carlisle Lane Jn 0m 42ch to crossover at 2m 65ch RA8 = All other lines 1 Windsor Reversible 2 Up Windsor 3 Down Windsor Fast 4 Down Windsor Slow 5 Up Main Fast 6 Down Main Fast 7 Up Main Slow 8 Down Main Slow Wimbledon SC (W) - Windsor Lines To/From Linford Street Jn SO110 seq 2 9 Windsor Reversible 10 Up Windsor 11 Down Windsor 12 Up Main Fast 13 Down Main Fast 14 Up Main Slow 15 Down Main Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	005	Waterloo to Clapham Junction	RDG1 BML1	Wessex	11/05/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Wheelchex on UMF and UMS lines	02 44		GSM-R
	02 48 *		TCB Wimbledon SC (W) - Main Line RA8 DC: Raynes Park
QUEENSTOWN ROAD (BATTERSEA)	02 50		(1) RA4 = Up Main Slow and Down Main Slow from Carlisle Lane Jn 0m 42ch to crossover at 2m 65ch RA8 = All other lines
			CTLP- WX - CTL- QTRD 2m, 38ch
	02 70 *		1 Windsor Reversible 2 Up Windsor 3 Down Windsor 4 Up Main Fast 5 Down Main Fast 6 Up Main Slow 7 Down Main Slow
	02 75 *		RA8 All lines
			Wimbledon SC (W) - Windsor Lines
West London Jn (SW)	03 17	To/From Latchmere No.3 Jn SW220 seq 001	8 Up Windsor Slow 9 Up Windsor Fast 10 Down Windsor Fast 11 Down Windsor Slow 12 Up Main Fast 13 Down Main Fast 14 Up Main Slow 15 Down Main Slow

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	006	Waterloo to Clapham Junction	RDG1 BML1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks



GSM-R

TCB Wimbledon SC (W) - Main Line
RA8 DC: Raynes Park

1 Up Windsor Slow
2 Up Windsor Fast
3 Down Windsor Fast
4 Down Windsor Slow
5 Up Main Fast
6 Down Main Fast
7 Up Main Slow
8 Down Main Slow

Wimbledon SC (W) - Windsor Lines

9 Up Ludgate
10 Down Ludgate
11 Up Windsor Slow
12 Up Windsor Fast
13 Down Windsor Fast
14 Down Windsor Slow
15 Up Main Fast
16 Down Main Fast
17 Up Main Slow
18 Down Main Slow

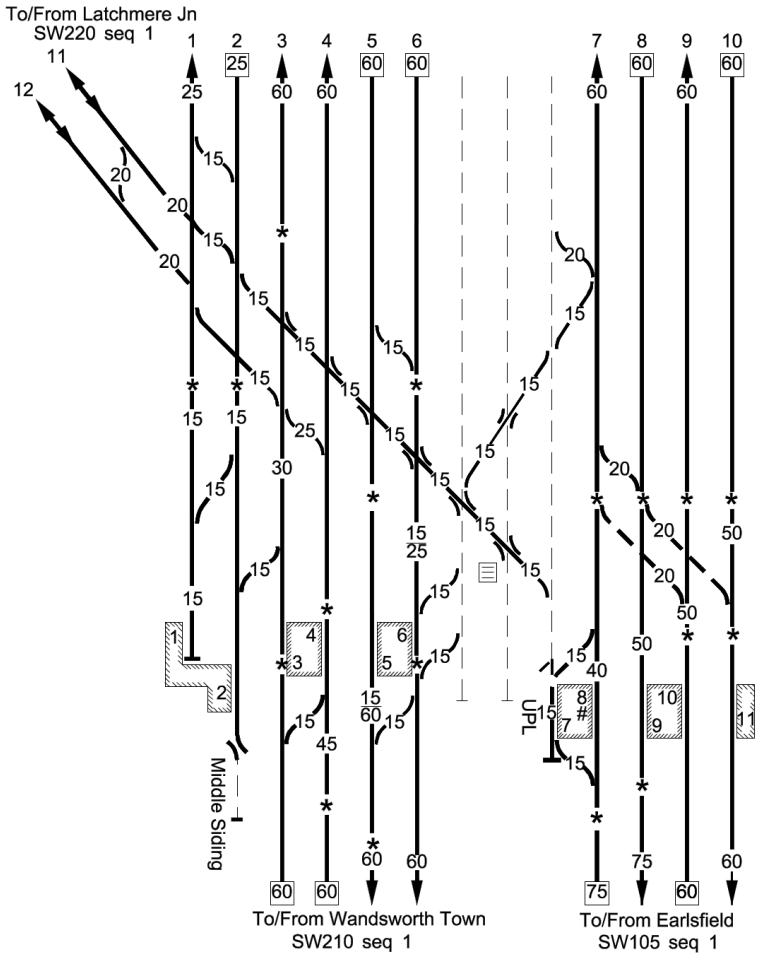
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	007	Waterloo to Clapham Junction	RDG1 BML1	Wessex	04/03/2024

Location	Mileage M Ch	Running lines & speed restrictions FLL3	Signalling & Remarks

Clapham Yard GF (CY)

CLAPHAM JUNCTION

03 58 *
03 63 *
03 65 *
03 67 *
03 70 *
03 74
03 75 *
04 00 *
04 12 *
04 13 *
04 25 *



GSM-R

TCB Wimbledon SC (W) - Main Line
RA8 DC: Raynes Park

1 Up Ludgate
2 Down Ludgate
3 Up Windsor Slow
4 Up Windsor Fast
5 Down Windsor Fast
6 Down Windsor Slow
7 Up Main Fast
8 Down Main Fast
9 Up Main Slow
10 Down Main Slow
11 Up Latchmere Curve
12 Down Latchmere Curve

Wimbledon SC (W) - Windsor Lines

Platform 1 PP

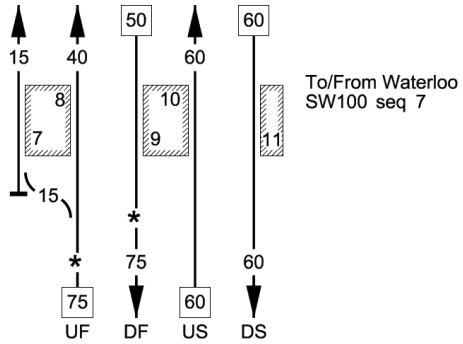
T.O.W.S. on Up Main Lines
London end of Station
(See local instructions section)

UPL 819 ft.

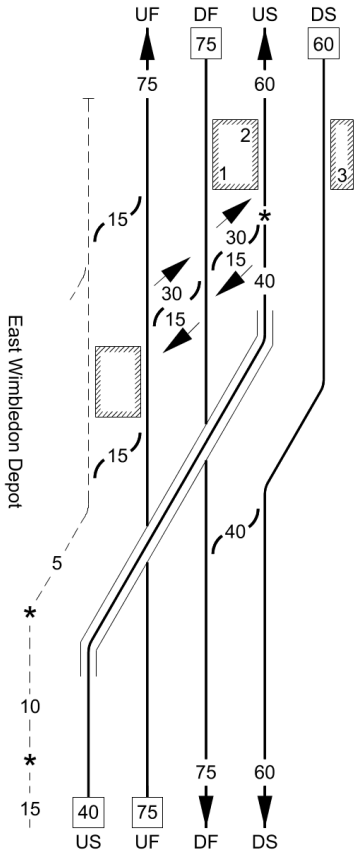
Platform 8 prohibited to be used by Passenger trains except when for emergency circumstances only

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	001	Clapham Junction to Weymouth	BML1	Wessex	04/03/2024

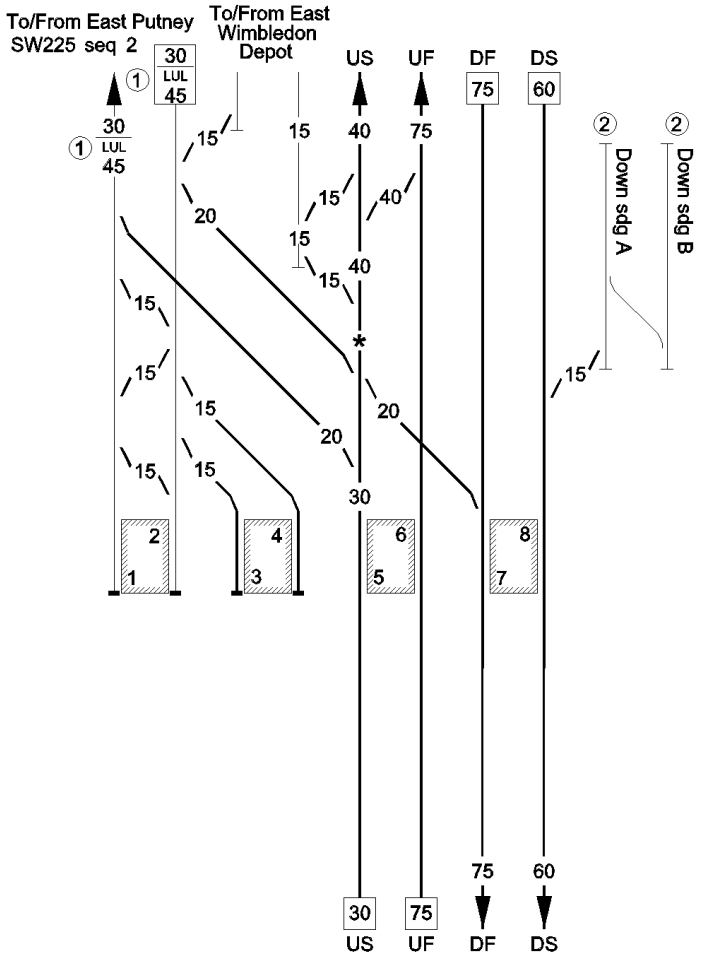
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
CLAPHAM JUNCTION	03	74	CLAPHAM JUNCTION AND NEW MALDEN MAXIMUM PERMISSIBLE SPEED ON UP/DOWN FAST LINES 75MPH NEW MALDEN AND WORTING JUNCTION MAXIMUM PERMISSIBLE SPEED ON SLOW/LOCAL LINES 90MPH NEW MALDEN AND FARNBOROUGH (33m 40ch) MAXIMUM PERMISSIBLE SPEED ON DOWN FAST/THROUGH LINES 90 MPH 100 MPH (1) FARNBOROUGH (33m 40ch) TO EASTLEIGH (73m 20ch) MAXIMUM PERMISSIBLE SPEED ON DOWN FAST/MAIN LINES MICHELDEVER AND ALLBROOK MAXIMUM PERMISSIBLE SPEED OVER SIMPLIFIED BI-DIRECTIONAL WORKING IN WRONG DIRECTION 70MPH EASTLEIGH (73m 20ch) TO BOURNEMOUTH MAXIMUM PERMISSIBLE SPEED ON DOWN LINE 90 MPH BYFLEET AND NEW HAW (20m 60ch) TO NEW MALDEN MAXIMUM PERMISSIBLE SPEED ON UP FAST LINE 90 MPH LINES 100 MPH (1) WESTON (60m 00ch) TO BYFLEET AND NEW HAW (20M 60CH) MAXIMUM PERMISSIBLE SPEED ON UP MAIN/FAST/THROUGH BOURNEMOUTH TO WESTON (60m 00ch) MAXIMUM PERMISSIBLE SPEED ON UP LINE 100 MPH BOURNEMOUTH AND WEYMOUTH MAXIMUM PERMISSIBLE SPEED 85 MPH	GSM-R TCB Wimbledon SC (W) RA8 DC: Raynes Park (1) Trains other than those composed entirely of class 442, 444, 450,458/4 ECS#, 701,707 units or HSTs must not exceed 90 MPH #458/4 testing conditions only until 02/11/2024.
	04	00 *		
	04	13 *		



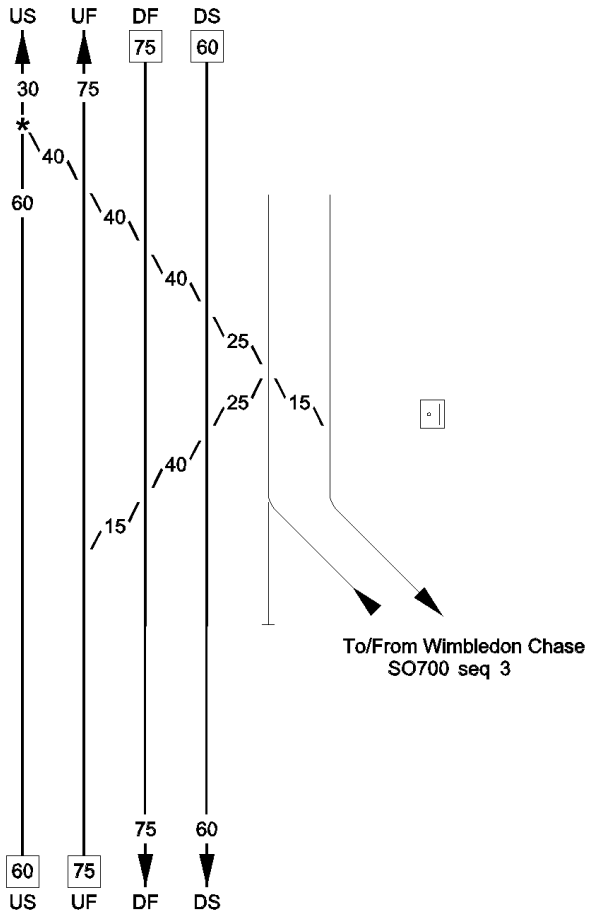
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	002	Clapham Junction to Weymouth	BML1	Wessex	25/01/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
EARLSFIELD	05 46		GSM-R TCB Wimbledon SC (W) RA8 DC: Raynes Park
Staff Halt	06 28		
	06 45 *		
	06 64 *		

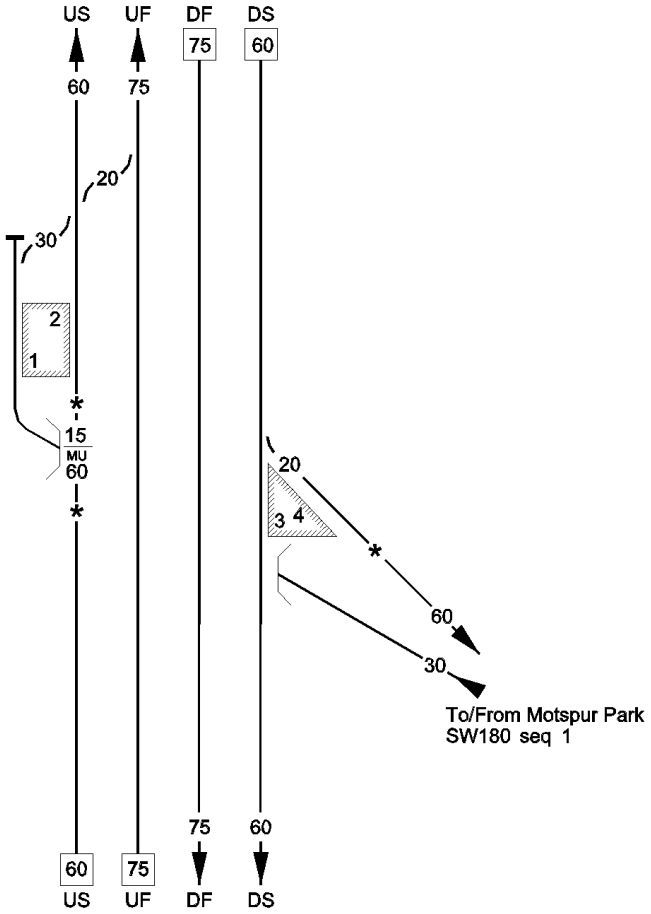
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	003	Clapham Junction to Weymouth	PPW BML1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WIMBLEDON	07 03 * 07 19 (08 47)		GSM-R TCB Wimbledon SC (W) RA8 DC: Raynes Park ① 45mph applies to LUL trains only ② Signed back in to use but remains de-energised Mileage shown in brackets ( ) applies via East Putney

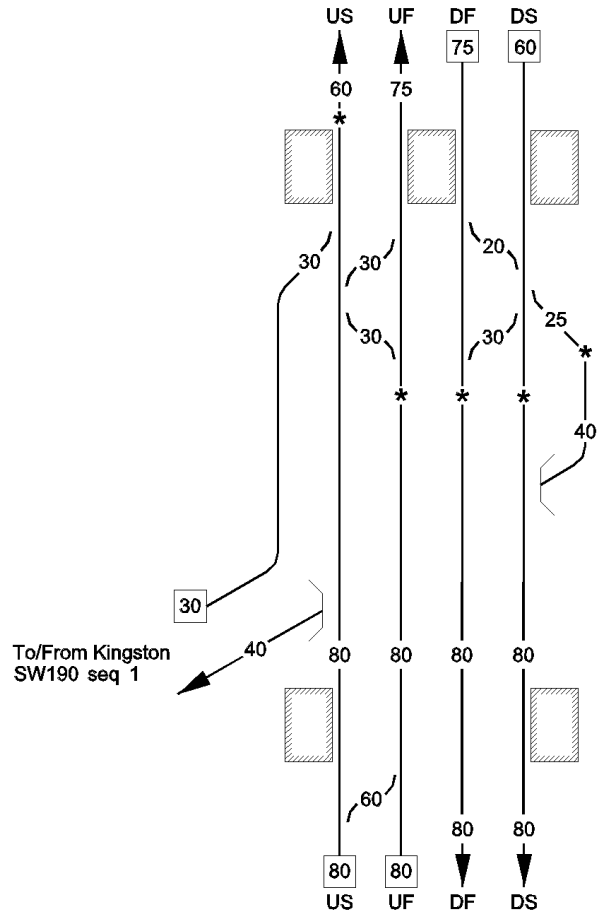
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	004	Clapham Junction to Weymouth	BML1 SMS2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Wimbledon SB (W) Wimbledon West Jn	07 30 * 07 49		GSM-R TCB Wimbledon SC (W) RA8 DC: Raynes Park

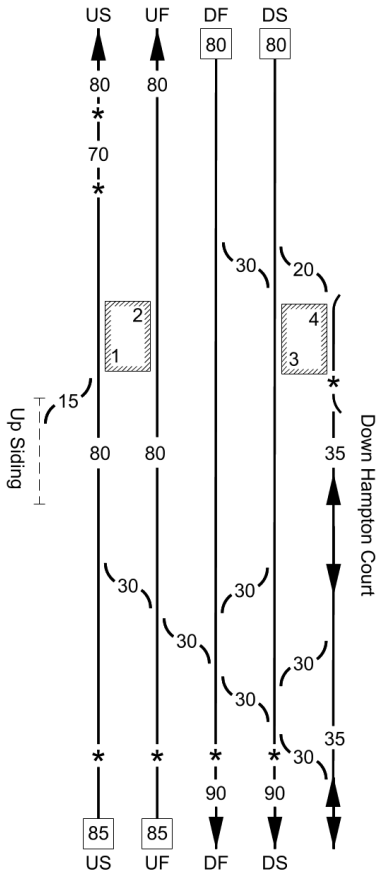
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	005	Clapham Junction to Weymouth	BML1 RPE	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
RAYNES PARK	08 51 08 66 * 08 68 * 08 70 *		GSM-R TCB Wimbledon SC (W) RA8 DC: Raynes Park

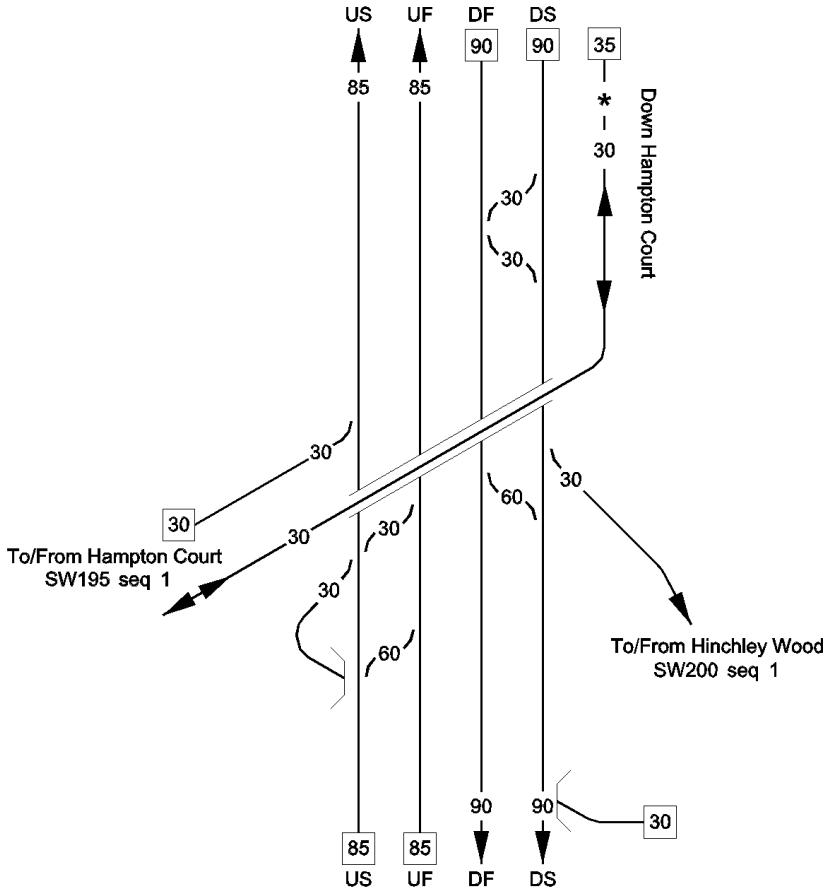
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	006	Clapham Junction to Weymouth	NMS1 BML1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
NEW MALDEN	09 62 *		GSM-R TCB Wimbledon SC (W) RA8 DC: Raynes Park
	10 00 *		
BERRYLANDS	10 78		
Berrylands Jn	11 19		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	007	Clapham Junction to Weymouth	BML1 HAM	Wessex	02/05/2020

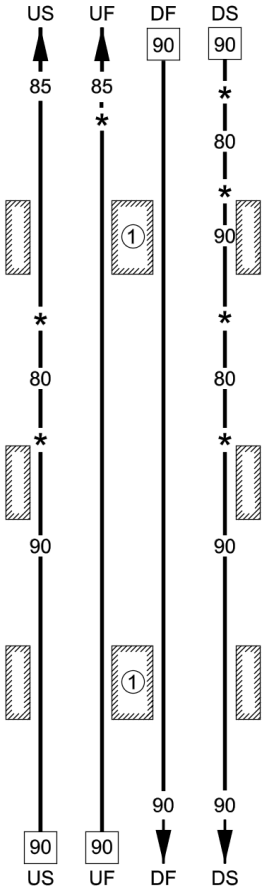
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SURBITON	11 50 * 11 60 * 12 03 12 10 * 12 40 *		GSM-R TCB Woking SB (WK) RA8 DC: Raynes Park TOWS Down Slow and Down Fast 11m 32ch to 11m 77ch Patrolman's Lock Out Device (PLOD) between Surbiton (plat 4) and Hampton Court level crossing for the Down line

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	008	Clapham Junction to Weymouth	BML1 HAM	Wessex	07/04/2014

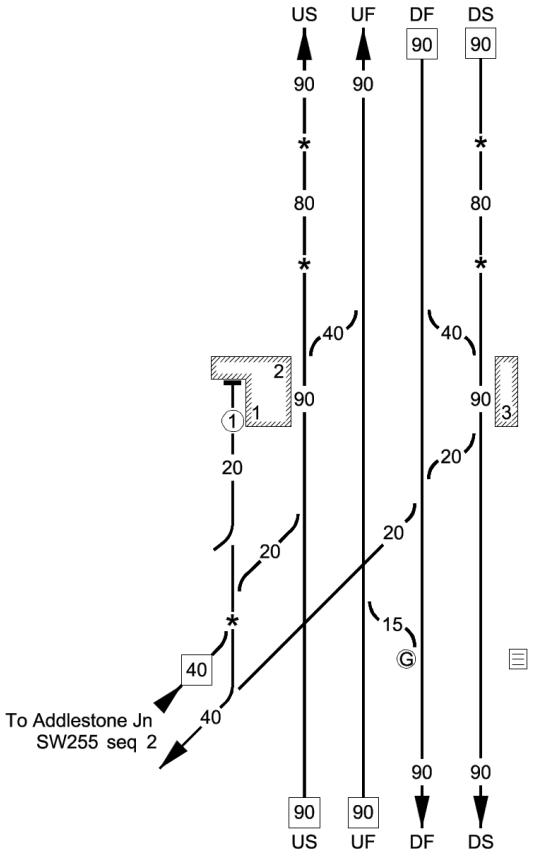
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Hampton Court Jn	13 06 * 13 27		GSM-R TCB Woking SB (WK) RA8 DC: Raynes Park TOWS Up Fast and Up Slow 13m 35ch to 13m 67ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	009	Clapham Junction to Weymouth	BML1	Wessex	25/11/2017

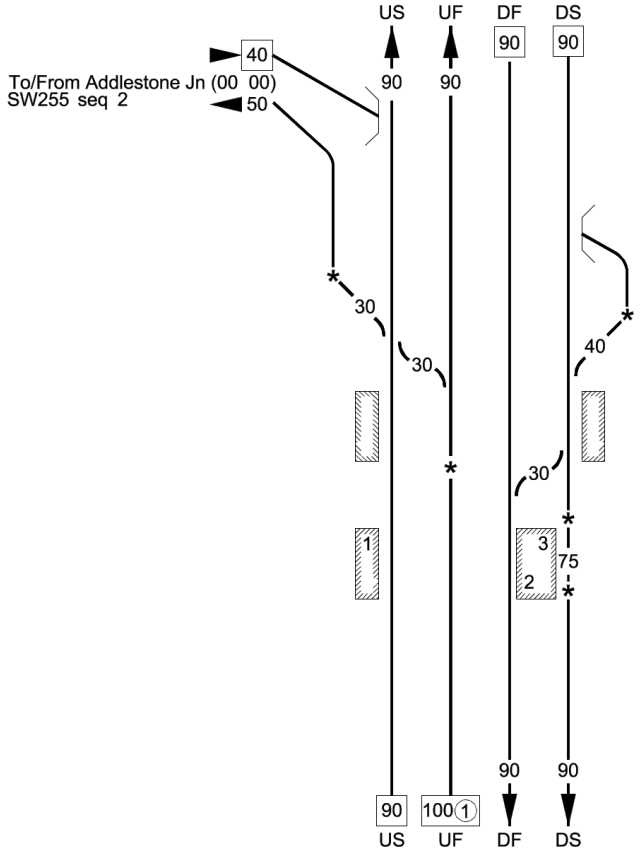
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			TCB Woking SB (WK) RA8 DC: Raynes Park
	13 40 *		
	13 42 *		
	13 70 *		
ESHER	14 31		① Disused Platforms
	15 20 *		TOWS Up Fast and Up Slow 13m 35ch to 13m 67ch.
	15 50 *		
HERSHAM	15 73		
			DC: Eastleigh
			DC Eastleigh & Raynes Park Boundary at 16m 32ch.
WALTON-ON-THAMES	17 06		



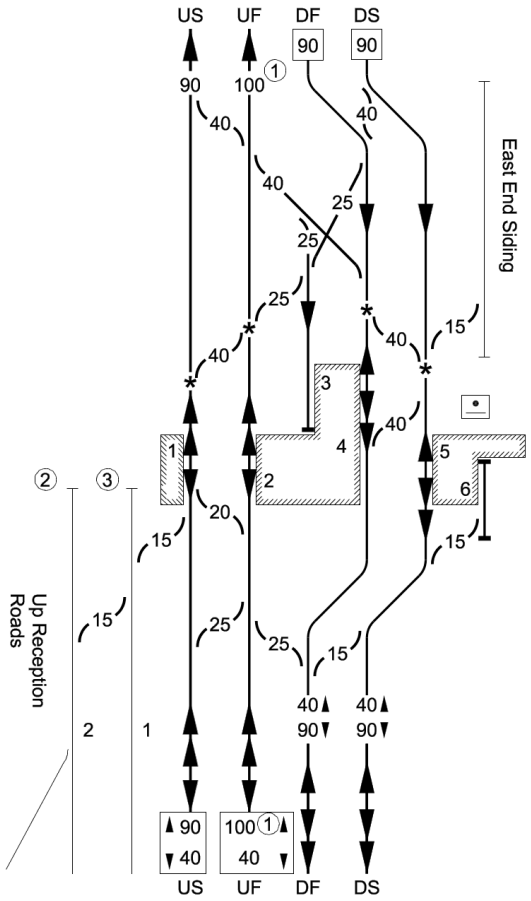
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	010	Clapham Junction to Weymouth	BML1 VWW	Wessex	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WEYBRIDGE	18 40 * 18 70 * 19 12		GSM-R TCB Woking SB (WK) RA8 DC: Eastleigh ① Up Bay Platform Platform 1 PP GF Switch

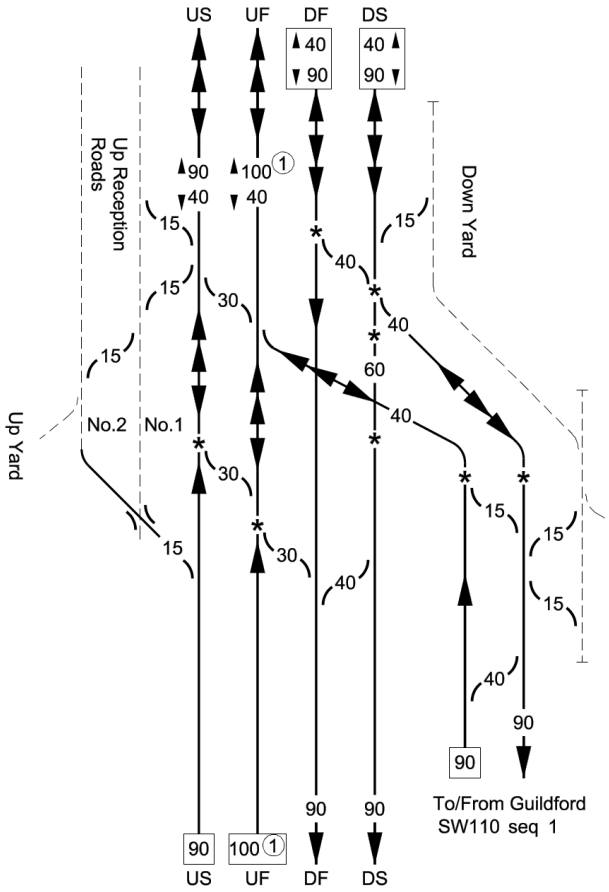
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	011	Clapham Junction to Weymouth	AJB BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Byfleet Jn	20 23 (00 71)		GSM-R TCB Woking SB (WK) RA8 DC: Eastleigh Mileages shown in brackets ( ) apply between Addlestone Jn and Byfleet Jn
BYFLEET AND NEW HAW	20 32		
	20 60 *		
WEST BYFLEET	21 54 *		① Trains other than those composed entirely of Class 442,444,450, 458/4 ECS#, 701,707 units or HST's, must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.

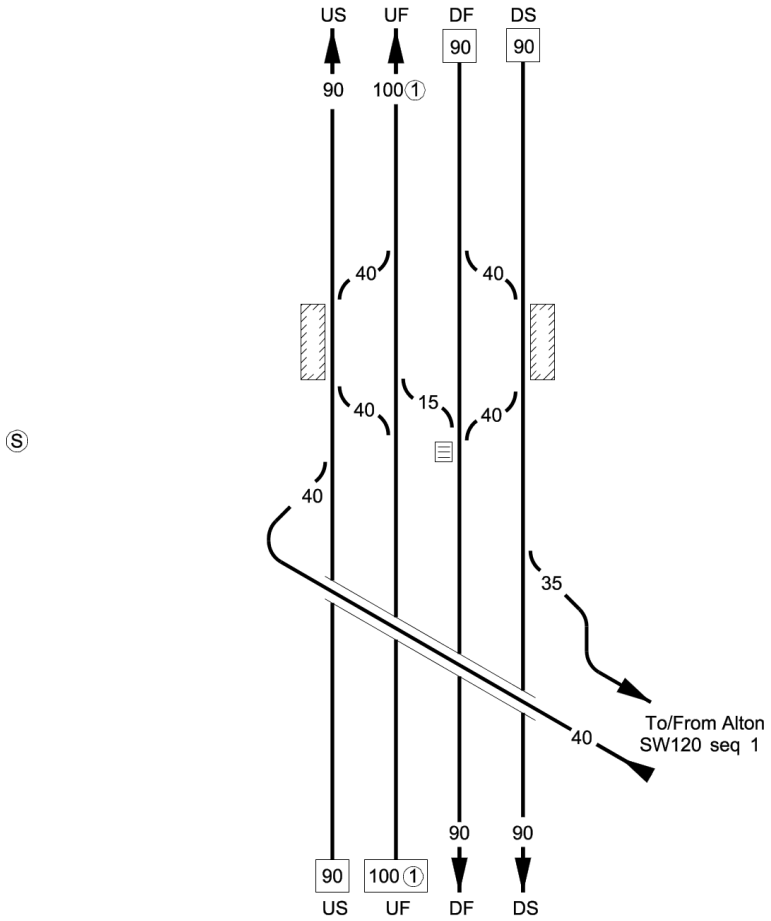
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	012	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Woking SB (WK) **WOKING**	24 27		GSM-R TCB Woking SB (WK) RA8 DC: Eastleigh ① Trains other than those composed entirely of Class 442,444,450,458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024. Platforms 1 - 5 PP-A Platform 6 PP ② - "Hurdle's" engine siding ③ - "Shortblock" engine siding

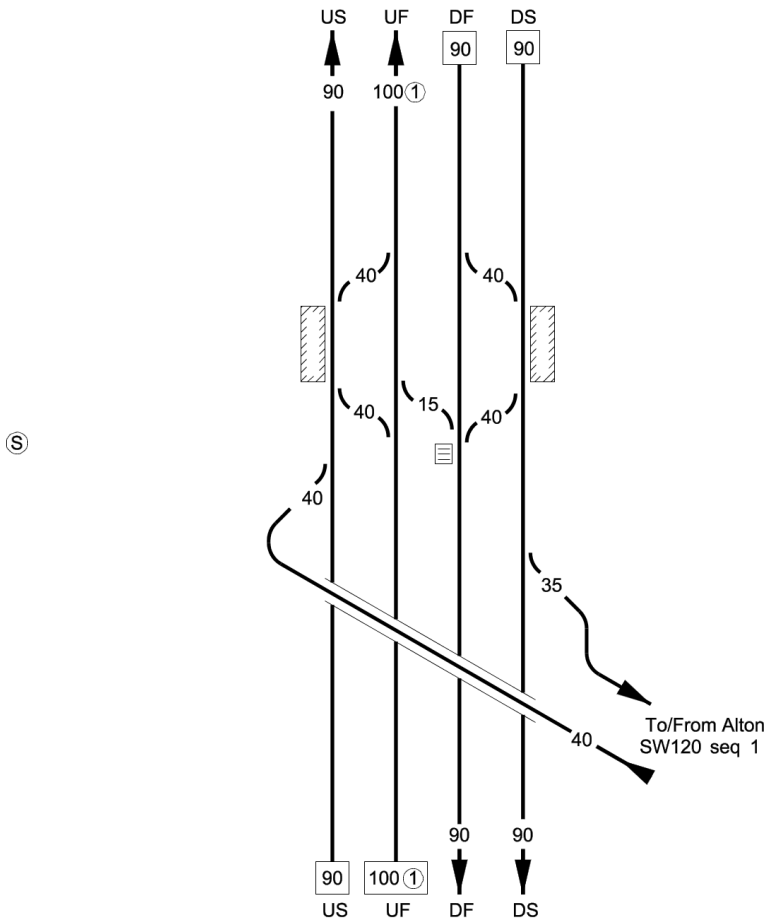
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	013	Clapham Junction to Weymouth	BML1 WPH1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Woking Jn	24 62 24 56 * (24 70) * 24 60 *		TCB Woking SB (WK) RA8 DC: Eastleigh GSM-R ① Trains other than those composed entirely of Class 442,444,450,458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.

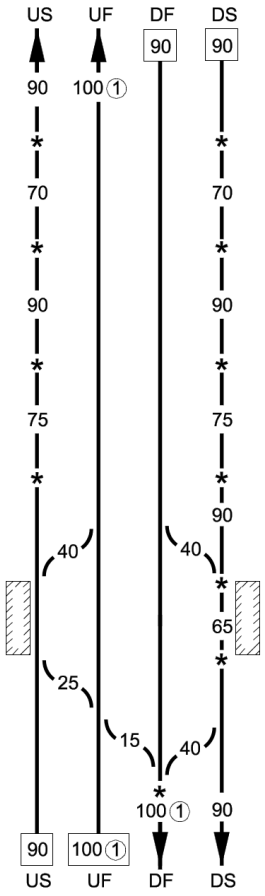
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	014	Clapham Junction to Weymouth	BML1 PAA1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BROOKWOOD	27 79		GSM-R TCB Woking SB RA8 DC:Eastleigh ① - Trains other than those composed entirely of Class 442, 444,450,458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
Pirbright Jn	29 39		

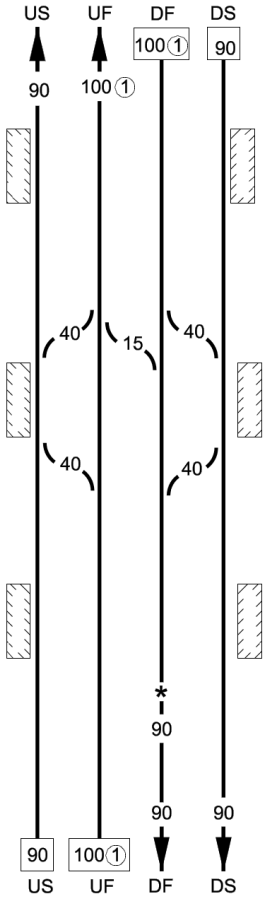
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	014	Clapham Junction to Weymouth	BML1 PAA1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BROOKWOOD	27 79		GSM-R TCB Woking SB RA8 DC:Eastleigh ① - Trains other than those composed entirely of Class 442, 444,450,458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
Pirbright Jn	29 39		

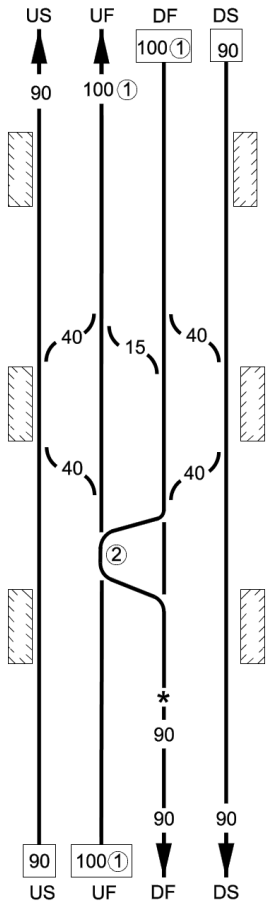
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	015	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
FARNBOROUGH	29 70 * 30 30 * 31 20 * 31 50 * 33 08 * 33 17 33 31 * 33 43 *		GSM-R TCB Woking SB (WK) RA8 DC:Eastleigh ① - Trains other than those cmposed entirely of Class 442,444,450,458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024. TCB Basingstoke SB (BE) RA8 DC:Eastleigh

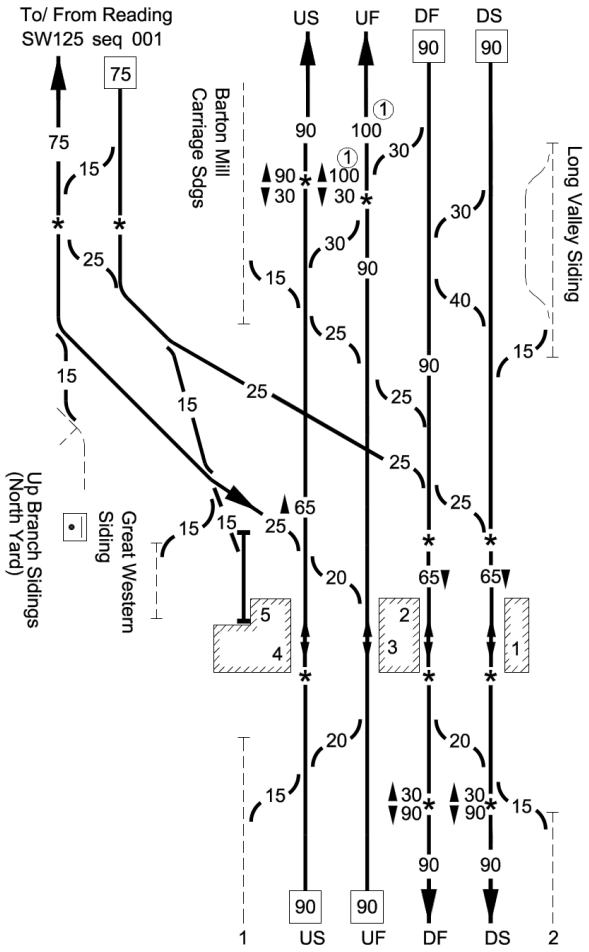
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	016	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
FLEET	36 38		GSM-R TCB Basingstoke SB (BE) RA8 DC:Eastleigh ① - Trains other than those composed entirely of Class 442, 444, 450, 458/4 ECS#, 701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
WINCHFIELD	39 66		
HOOK	42 13		
	45 00 *		

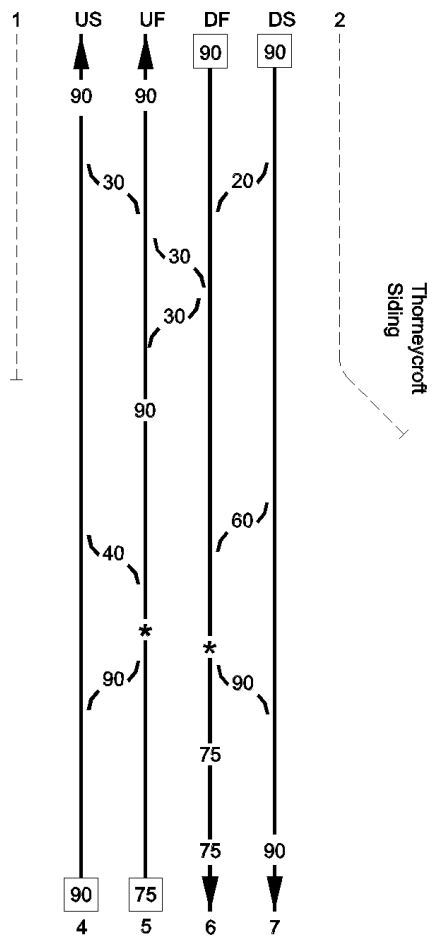
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	016	Clapham Junction to Weymouth	BML1	Wessex	28/01/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke SB (BE) RA8 DC:Eastleigh ① - Trains other than those composed entirely of Class 442, 444, 450,701,707 units or HST's must not exceed 90 mph
FLEET	36 38		
WINCHFIELD	39 66		
			② - Track slew from 41m 09ch to 41m 40ch
HOOK	42 13		
	45 00 *		

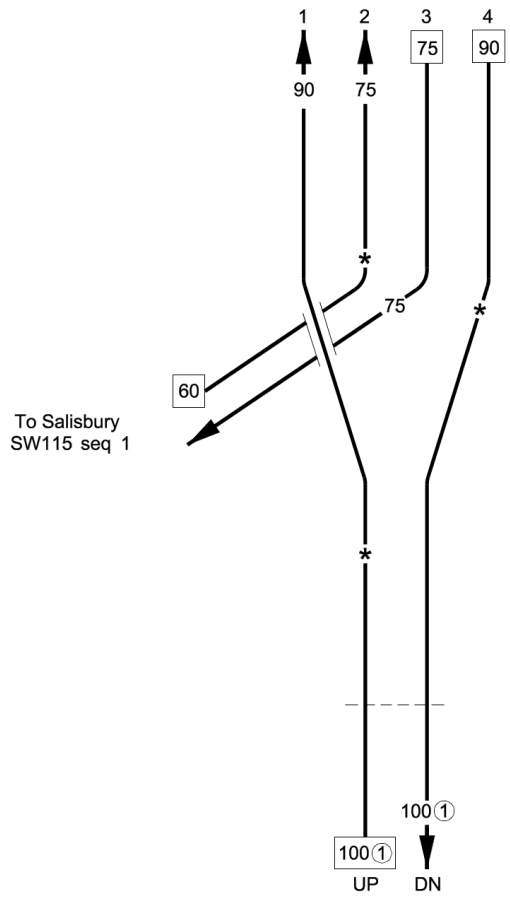
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	017	Clapham Junction to Weymouth	BKE BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke (BE) RA8 DC:Eastleigh
	47 30 * 47 40 * (51 10) *		① Trains other than those composed entirely of Class 442, 444, 450,458/4 ECS#, 701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024. Mileages shown in brackets [ ] apply to and from Reading
Basingstoke SB (BE)	47 50 * 47 55 47 56 *		
BASINGSTOKE	47 61 47 74 *		Platforms 1-3 PP-A Platform 4 PP Platform 5 PP
	48 12 *		1 Up Siding No.1 2 Down Siding No.1

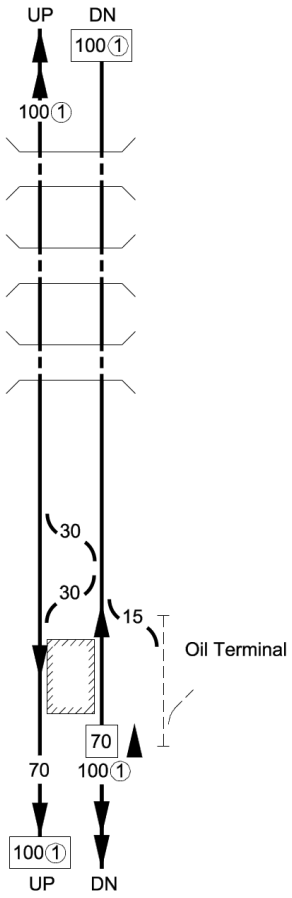
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	018	Clapham Junction to Weymouth	BML1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Worting Jn	50 21 * 50 29 * 50 30 *		GSM-R TCB Basingstoke SB (BE) RA8 DC:Eastleigh TCB Basingstoke SB (BE) 1 Up Siding No. 1 2 Down Siding No. 1 4 Up Southampton 5 Up Exeter 6 Down Exeter 7 Down Southampton

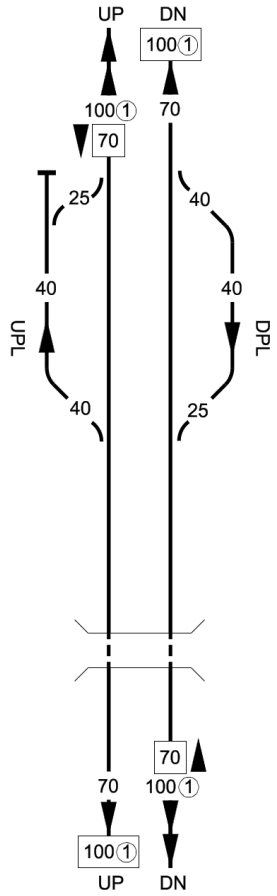
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	019	Clapham Junction to Weymouth	BML1 BAE1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke SB (BE) RA8 DC:Eastleigh 1 Up Southampton 2 Up Exeter 3 Down Exeter 4 Down Southampton
	50 69 *		
	50 70 *		
	53 00 *		
Steventon UWC	54 12		
			① - Trains other than those composed entirely of Class 442, 444, 450,458/4 ECS#, 701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.

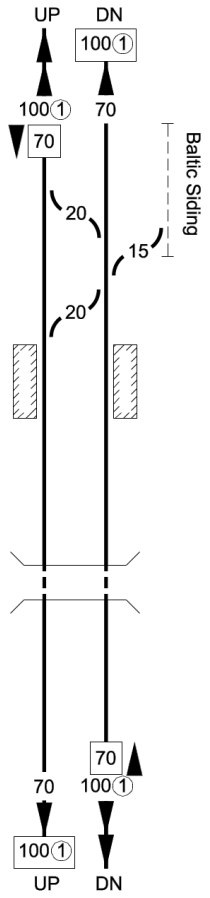
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	020	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh
Litchfield Tunnel (198 yards)	55 58 to 55 67		
Popham No 1 Tunnel (265 yards)	57 17 to 57 29		
Popham No 2 Tunnel (199 yards)	57 35 to 57 44		
			① - Trains other than those composed entirely of Class 442, 444, 450,458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
Micheldever Oil Terminal			
MICHELDEVER	58 04		

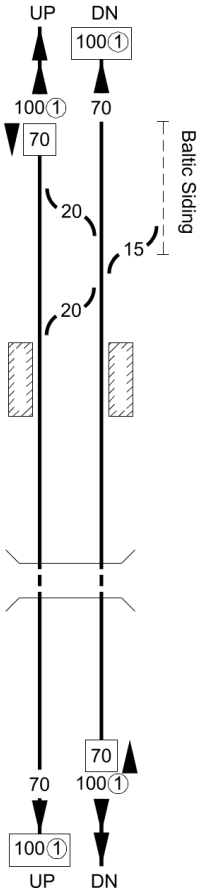
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	021	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Weston	60 13		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh
Wallers Ash	61 06		① - Trains other than those composed entirely of Class 442, 444, 450, 458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
Wallers Ash Tunnel (501 yards)	62 22 62 45		

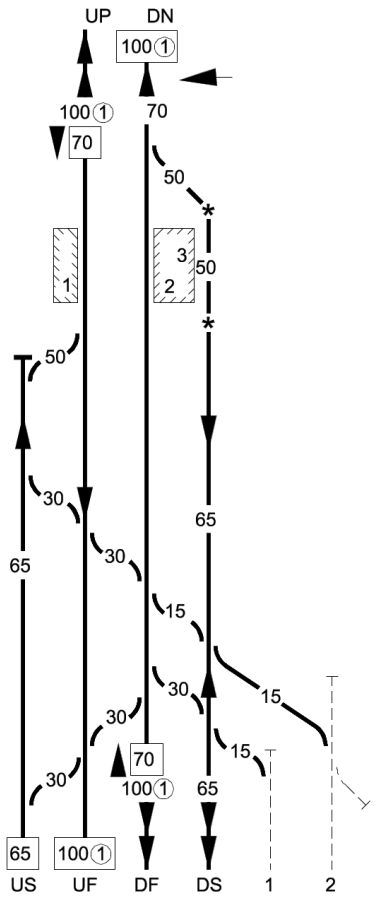
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	022	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh
WINCHESTER	66 39		① - Trains other than those composed entirely of Class 442, 444, 450,458/4 ECS#, 701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
St Cross Tunnel (62 yards)	68 31 68 33		

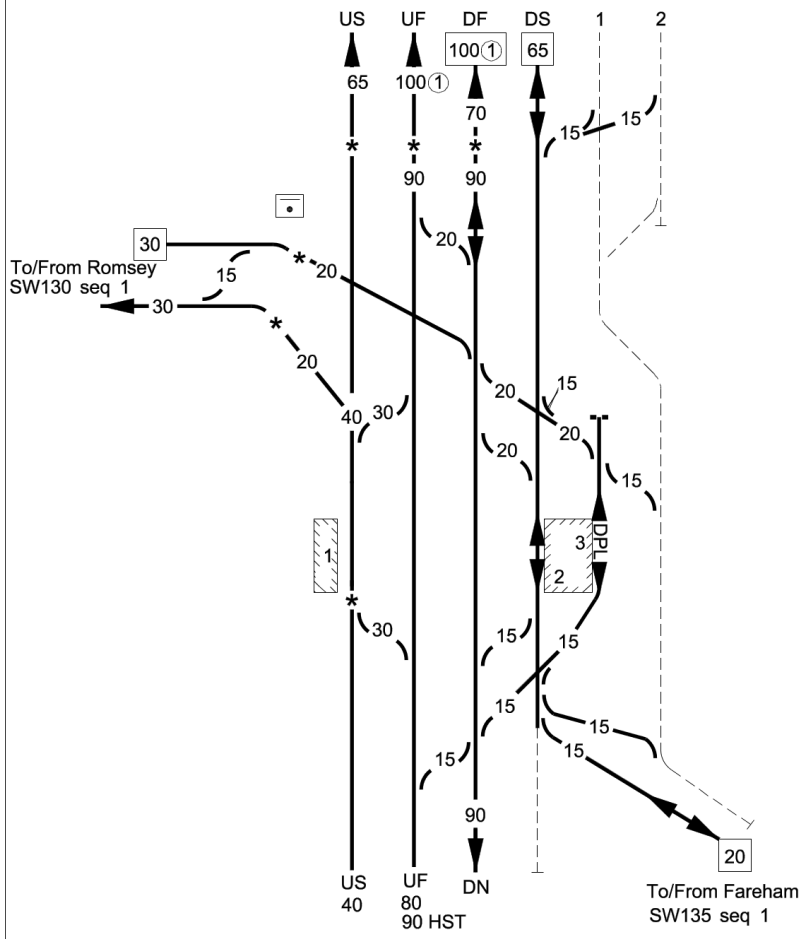
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	022	Clapham Junction to Weymouth	BML1	Wessex	31/10/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh
WINCHESTER	66 39		① - Trains other than those composed entirely of Class 442, 444, 450,701,707 units or HST's must not exceed 90 mph
St Cross Tunnel (62 yards)	68 31 68 33		

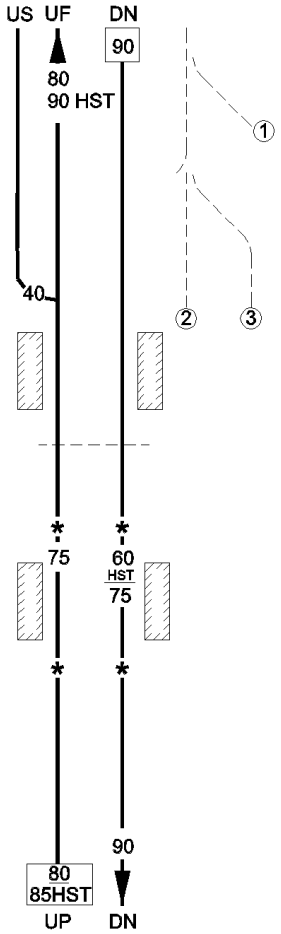
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	023	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
Shawford WILD (Down line Only)	68	60		GSM-R TCB Eastleigh SB RA8 DC:Eastleigh
SHAWFORD	69	50		① - Trains other than those composed entirely of Class 442, 444, 450, 458/4 ECS# units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
Allbrook	72	46		1 Departure Road 2 Reception Road No.1

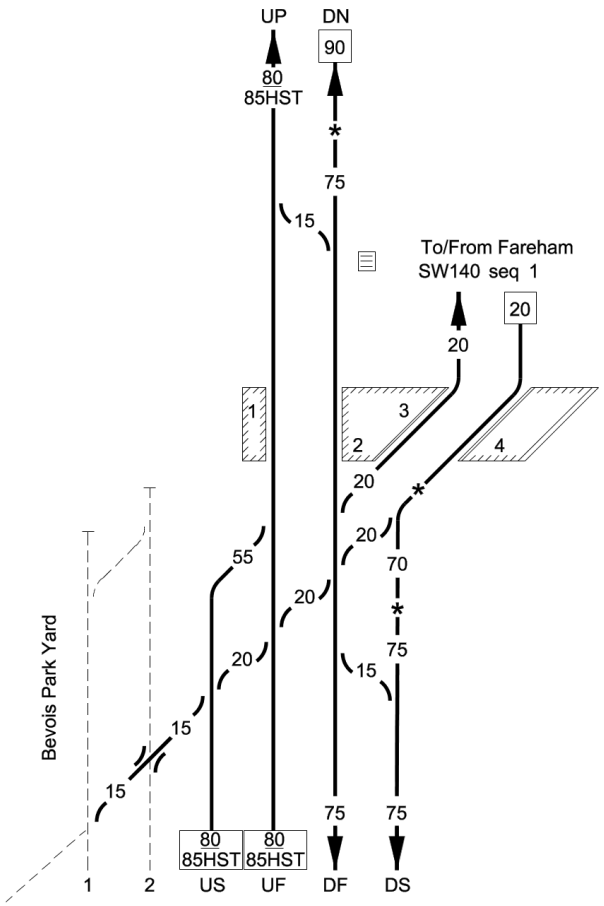
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	024	Clapham Junction to Weymouth	ECR BML1 ETF	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Eastleigh SB (E)	73 20 *		TCB Eastleigh SB (E) RA8 DC:Eastleigh GSM-R ① -Trains other than those composed entirely of Class 442, 444, 450,458/4 ECS#, 701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024. 1 Departure Road 2 Reception Road No. 1 Trains departing from Eastleigh Yard travelling to DSL or DPL will always receive an AWS warning indication on E34 and E36 for these signals.
Eastleigh East Jn	73 35		
EASTLEIGH	73 35		
Eastleigh West Jn	73 42 *		DPL 651 ft Permissive working authorised on platforms 2 and 3

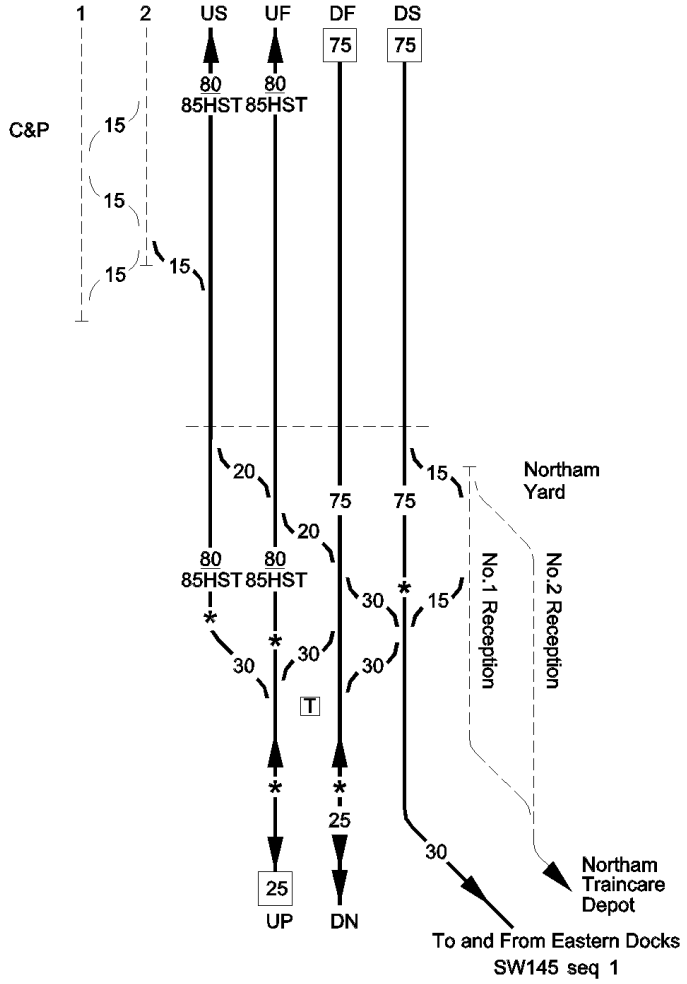
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	025	Clapham Junction to Weymouth	BML1	Wessex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB RA8 DC:Eastleigh ① - To Eastleigh Works ② - Depot Exit No. 1 ③ - Depot Exit No. 2
Stoneham Junction	74 37		
SOUTHAMPTON AIRPORT (PARKWAY)	74 66		
Swaythling UWC	75 26		
	75 33 *		RAILBAM - (Acoustic Wheel Bearing Monitoring System) - BML1 Up and Down lines 75m 30ch
SWAYTHLING	75 56		
	75 71 *		

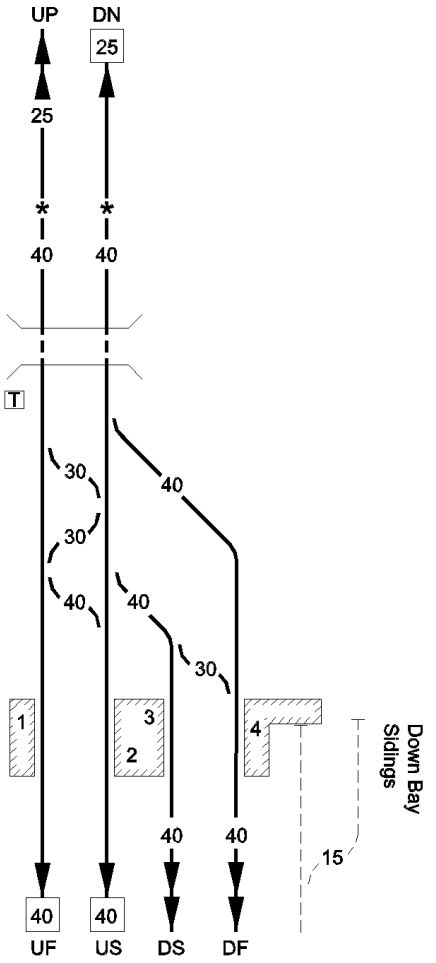
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	026	Clapham Junction to Weymouth	BML1 SDP1	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
ST DENYS	77 00 * 77 10 *		GSM-R TCB Eastleigh SB RA8 DC:Eastleigh 10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2 1 No. 2 Reception 2 No.1 Reception

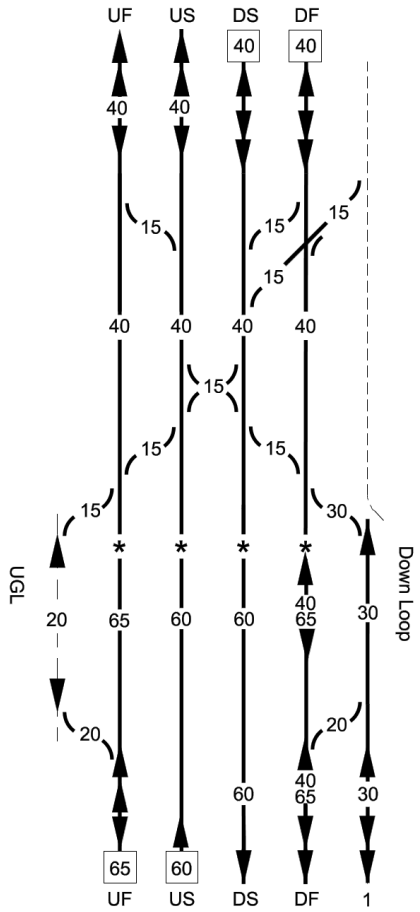
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	027	Clapham Junction to Weymouth	BML2 SOY	Wessex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Mount Pleasant LC (CCTV)	77 54		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh 1 No. 2 Reception 2 No. 1 Reception
	78 08 *		
Northam Jn	78 15 *		

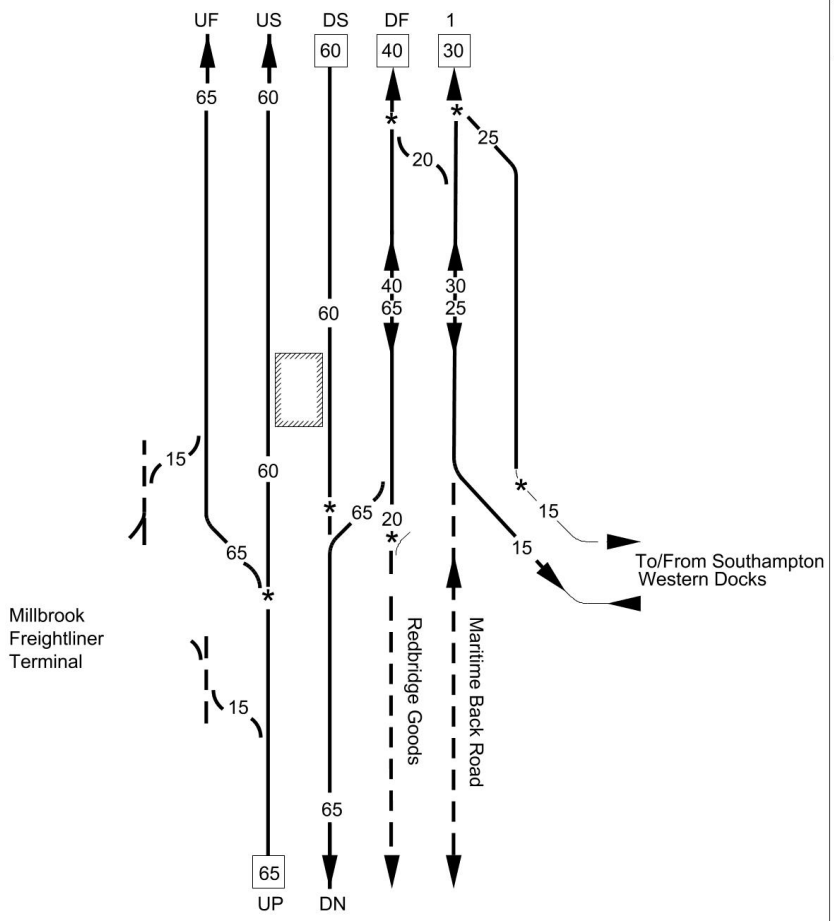
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	028	Clapham Junction to Weymouth	BML2	Wessex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh
	78 30 *		
Southampton Tunnel (528 yards)	78 52 78 76		LOD(T) Up Main 78m 10ch to 79m 00ch Northam Jn Southampton LOD(T) Down Main 78m 10ch to 79m 00ch Northam Jn to Southampton
SOUTHAMPTON CENTRAL	79 19		Platform 1 PP-A Platform 2 PP Platform 3 PP Platform 4 PP-A All platform lines are Reversible

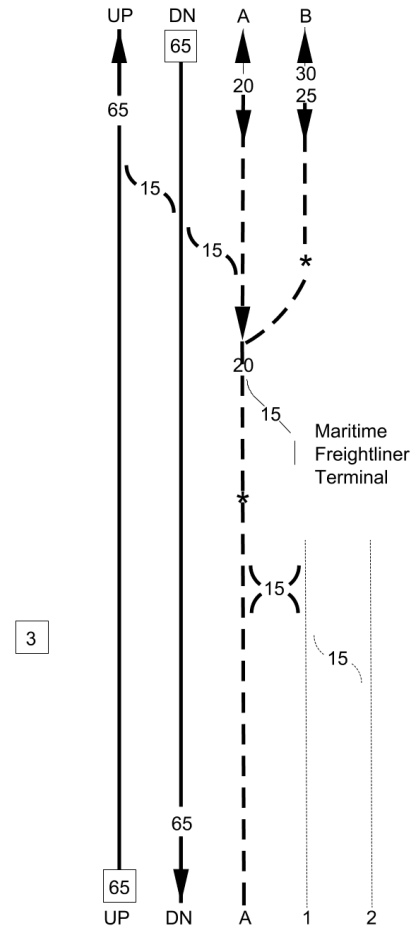
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	029	Clapham Junction to Weymouth	BML2	Wessex	18/06/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	79 42 *		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh 1 Down Loop Extension

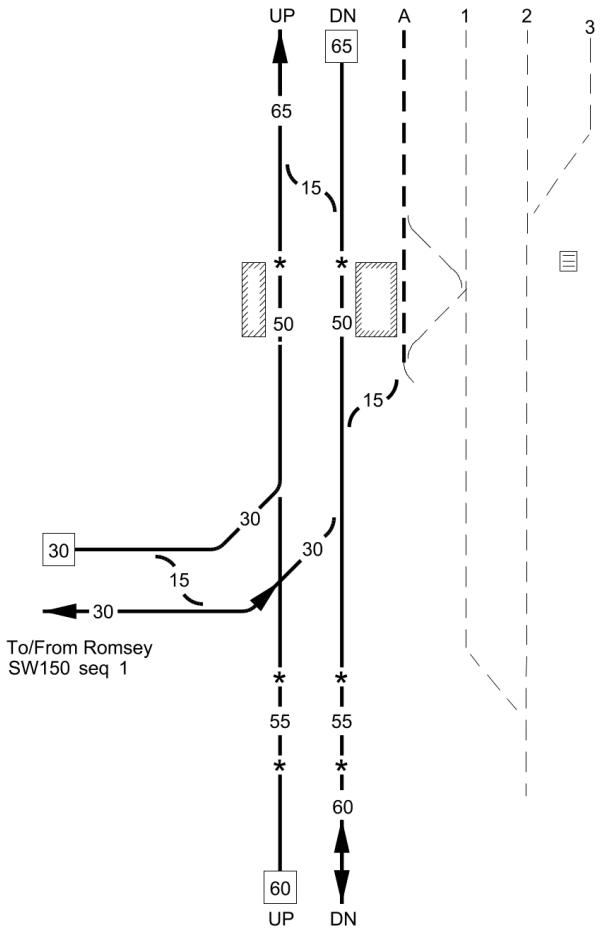
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	030	Clapham Junction to Weymouth	BML2 MIS	Wessex	19/02/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
MILLBROOK	79 76 * 79 79 * 80 11 80 25 * 80 42 * 80 45 *		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh 1 - Down Loop Extension

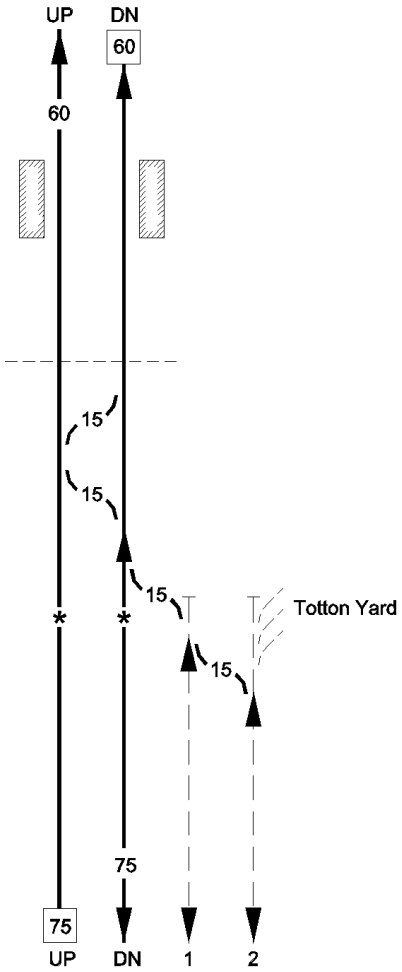
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	031	Clapham Junction to Weymouth	BML2	Wessex	15/02/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Maritime Freightliner Terminal	80 65 *		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh A - Redbridge Goods B - Maritme Back Road 1 - Depot Reception No. 1 2 - Depot Reception No. 2
	81 36 *		

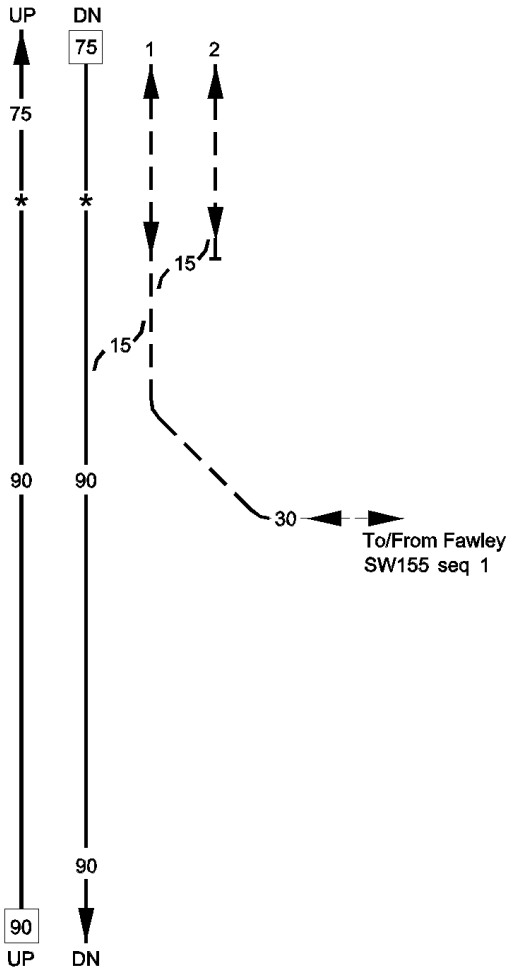
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	032	Clapham Junction to Weymouth	BML2 RTJ1	Wessex	15/02/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
REDBRIDGE	81 70 81 76 [23 31] 82 02 * 82 24 *		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh A - Redbridge Goods 1 - Depot Reception No.1 2 - Depot Reception No.2 3 - Loading Dock Siding Down line reversible between Redbridge and Totton for non-passenger trains Mileage shown in brackets applies between Redbridge and Romsey

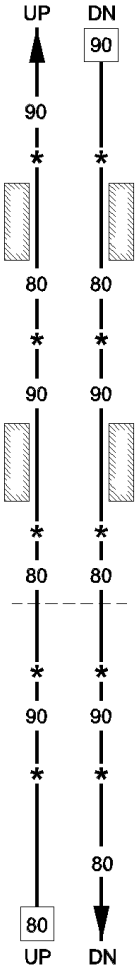
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	033	Clapham Junction to Weymouth	BML2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
TOTTON	82 43		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh
Totton LC (CCTV)	82 53		
	82 70 *		1 Up / Dn Fawley 2 Goods loop 1302 ft

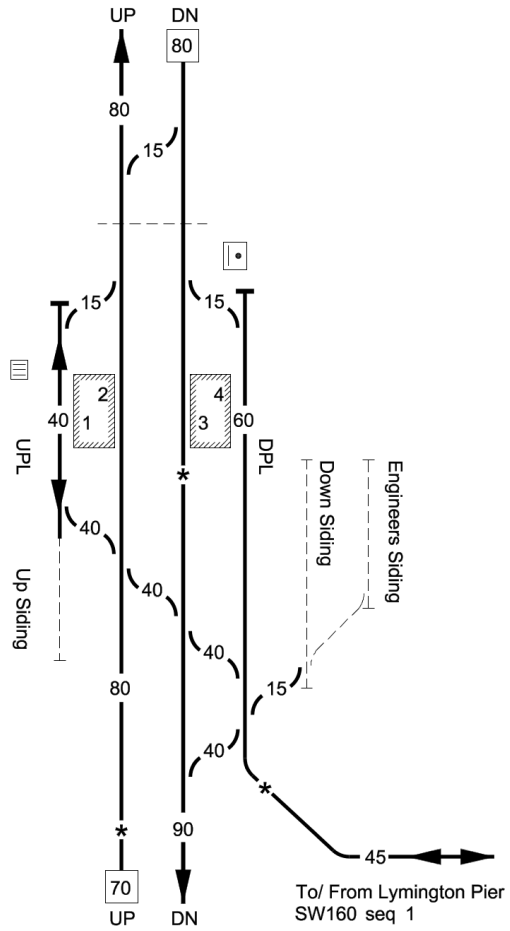
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	034	Clapham Junction to Weymouth	BML2 TTF	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	83 30 *		GSM-R TCB Eastleigh SB (E) RA8 DC:Eastleigh 1 Up / Dn Fawley 2 Goods loop

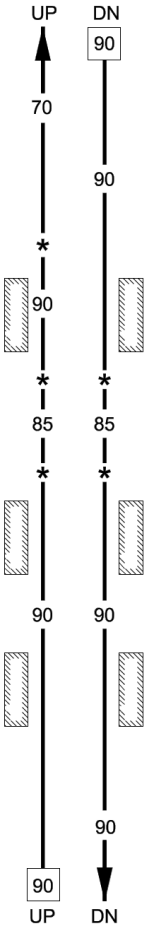
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	035	Clapham Junction to Weymouth	BML2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Brockenhurst SB (BH) RA8 DC:Eastleigh
	85 20 *		
ASHURST NEW FOREST	85 34		
	85 75 *		
BEAULIEU ROAD	88 06		
	89 14 *		
Woodfidley Crossing	89 59	T	
	90 00 *		
	92 35 *		

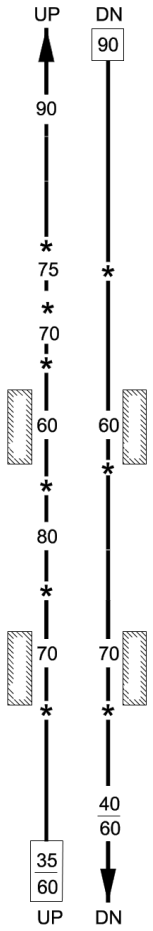
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	036	Clapham Junction to Weymouth	BML2 BLP	Wessex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Brockenhurst LC	92 55		GSM-R TCB Brockenhurst SB (BH) RA8 DC:Eastleigh
Brockenhurst SB (BH)			
BROCKENHURST	92 66		DPL 1428 ft UPL 1386 ft Permissive working authorised on UPL and DPL, Up main platform lines for trains from Lymington Branch only
	93 26 *		
	93 41 *		CTLP-WX-CTL-BHCE 93m 30ch

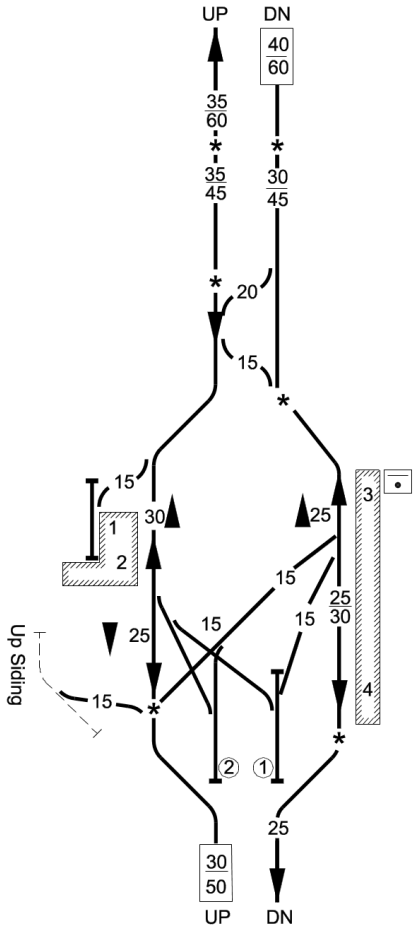
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	037	Clapham Junction to Weymouth	BML2	Wessex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Brockenhurst SB (BH) RA8 DC:Eastleigh
	93 58 *		
SWAY	95 45		
	95 60 *		Bournemouth SB (BC)
	96 00 *		
NEW MILTON	98 44		AXLE COUNTERS
HINTON ADMIRAL	101 05		CTLP-WX-CTL-HINSUB 102m 10ch

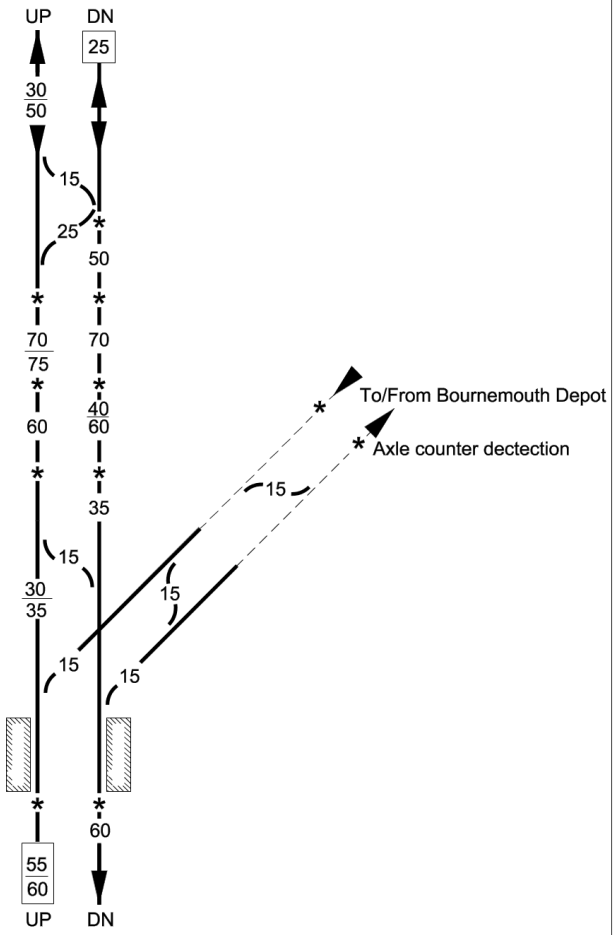
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	038	Clapham Junction to Weymouth	BML2	Wessex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Bournemouth SB (BC) RA8 DC:Eastleigh AXLE COUNTERS
	103 60 *		
	104 00 *		
	104 02 *		
	104 16 *		
CHRISTCHURCH	104 28		
	104 40 *		
	104 62 *		
	105 60 *		
POKESDOWN	106 24		
	106 65 *		

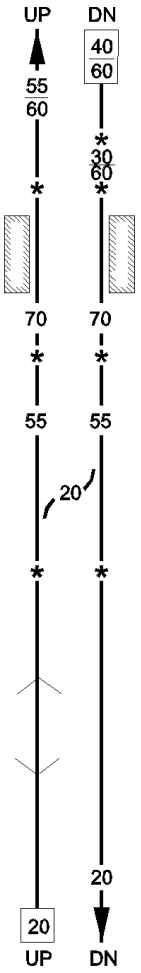
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	039	Clapham Junction to Weymouth	BML2 BLP	Wessex	30/03/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Bournemouth SB (BC) RA8 DC:Eastleigh
	107 40 *		AXLE COUNTERS
	107 68 *		CTLP- WX - CTL- BOLE 107m 55ch
	107 70 *		
Bournemouth SB (BC)			Platforms 2 & 3 PP-A
BOURNEMOUTH	108 02		
	108 16 *		
	108 17 *		① - Middle Siding No.1 ② - Middle Siding No.2

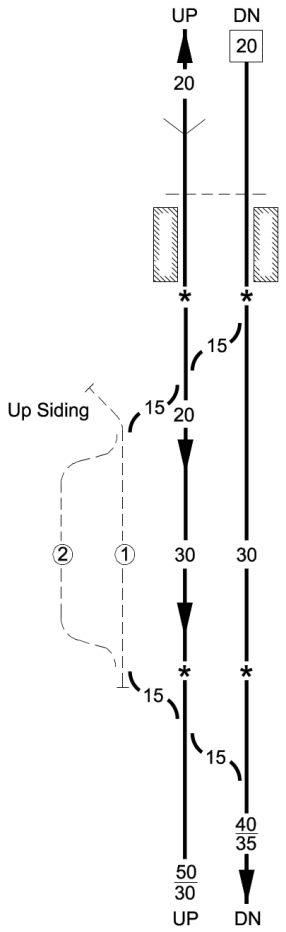
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	040	Clapham Junction to Weymouth	BML2 BBD9	Wessex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BRANKSOME	108 32 * 108 54 * 109 70 * 110 30 * 110 51 110 65 *		GSM-R TCB Bournemouth SB (BC) RA8 DC:Eastleigh AXLE COUNTERS CTLP-WX-CTL-BOCE-166 108m 49ch CTLP- WX - CTL- BOCE 108m, 60ch CTLP-WX-CTL-GLENAVE 109m 33ch

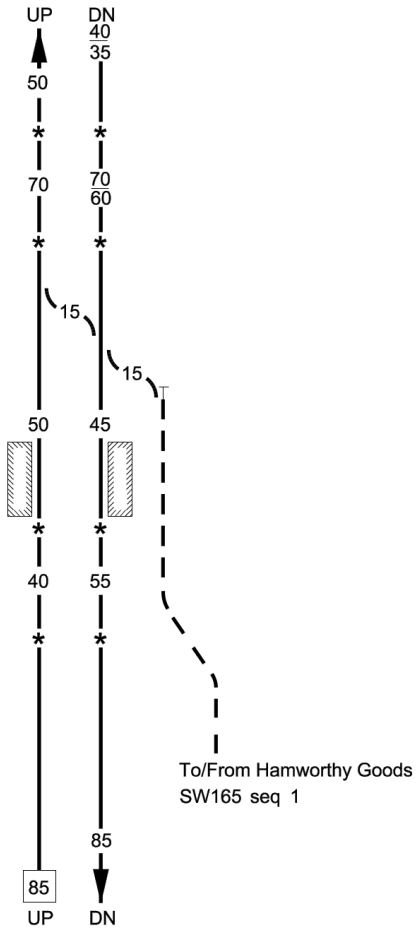
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	041	Clapham Junction to Weymouth	BML2	Wessex	19/05/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Bournemouth SB (BC) RA8 DC:Eastleigh
	111 29 *		
	111 72 *		
PARKSTONE	111 76		
	112 62 *		Basingstoke (PW) TCB AXLE COUNTERS
Seldown Jn	113 45		
	113 47 *		

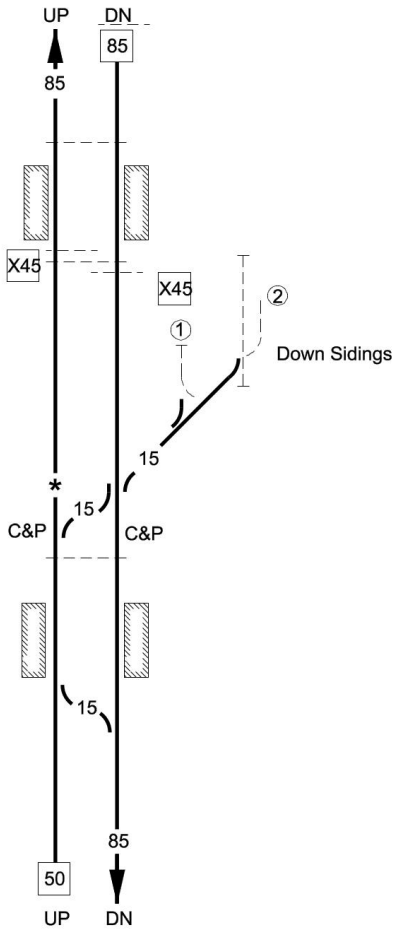
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	042	Clapham Junction to Weymouth	BML2	Wessex	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke (Pw) RA8 DC:Eastleigh CTLP-WX-CTL-PSLE-113m 40ch
Poole (PW) LC (CCTV)	113 50		
POOLE	113 62		
	113 68 *		
			① - Reception Road ② - Shunting Neck
	114 05 *		
Sterte Road Jn	114 20		CTLP-WX-CTL-PSCE-114m 40ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	043	Clapham Junction to Weymouth	BML2 HAG	Wessex	23/12/2023

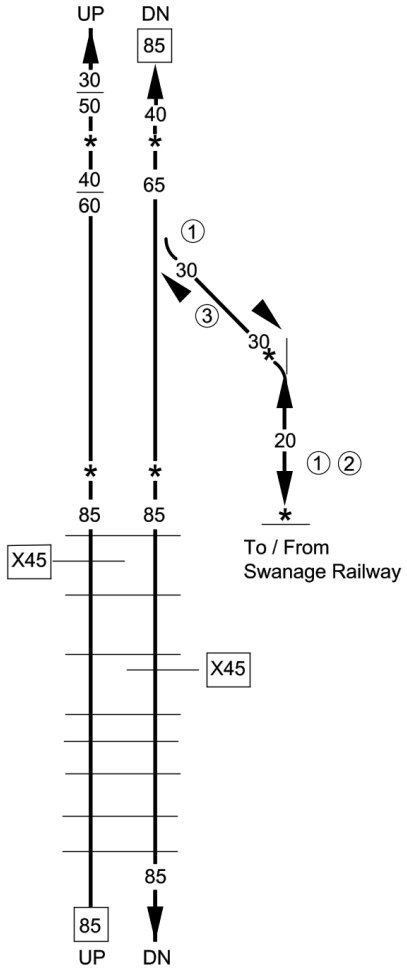
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke (PW) RA8 DC:Eastleigh AXLE COUNTERS
	114 45 *		
	115 70 *		
Hamworthy Jn	115 60		
HAMWORTHY	115 77 *		
	116 30 *		CTLP-WX-CTL-RVLE 116m 61ch CTLP-WX-CTL-RVCE 116m 79ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	044	Clapham Junction to Weymouth	BML2	Wessex	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke (PW) RA8 DC:Eastleigh
			AXLE COUNTERS
Admiralty Crossing	118 57	T	
HOLTON HEATH	118 61		
Keysworth Crossing (MSL)	119 46	T	
			① Down Sidings 1 ② Down Sidings 2 and 3
			CTLP-WX-CTL-WSLE 120m 40ch
Wareham East Jn	120 65		
WAREHAM Footpath LC (RC ①)	120 70		① - Station Crossing lights are not Miniature, but the instructions in the Rule Book Module TW8 section 2 - Drivers' general instructions apply.
Wareham West Jn	121		CTLP-WX-CTL-WSCE 121m 02ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	045	Clapham Junction to Weymouth	BML2 FUR	Wessex	21/01/2018

Location	Mileage M Ch		Running lines & speed restrictions
	121 76	*	
Worgret Junction	121 77		
	(126 30)		
	(126 35	*)	
	122 38	*	
Boundary with Swanage Railway	(126 61	*)	
	121 61		T
Holme (No 31) LC (MCBOD)	122 78		
Rushton No 2 LC (R/G)	123 58		T
Stoke LC (CCTV)	124 12		
Hethfelton No 1 Crossing	124 73		T
Hethfelton No 2 Crossing	125 09		
Bindon No 1 Crossing	125 23		T
Colemans UWC	125 32		
Bindon No 2 Crossing	125 35		T



Signalling & Remarks

GSM-R

TCB Basingstoke (PW)
RA8 DC:Eastleigh

AXLE COUNTERS

① Between Worgret Jn at 126m 30ch and Swanage Railway Boundary at 126m 61ch - RA5

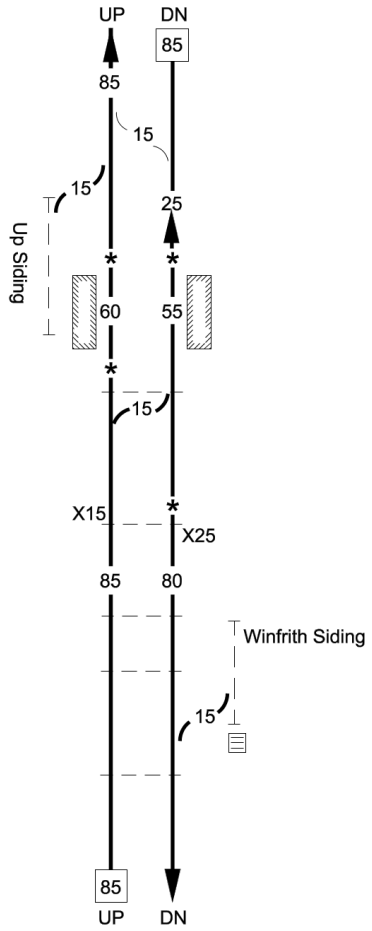
Mileages shown in ( ) apply between Worgret Junction and boundary with Swanage Railway

② All trains to/from the Swanage Branch must stop at Wareham Station, to collect/replace the token and to pick up/drop off conductor traincrew before proceeding

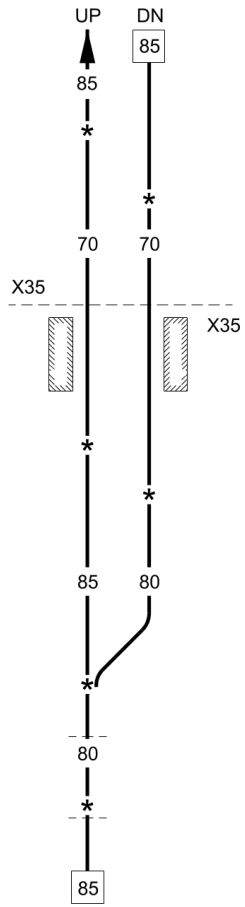
③ Axle Counters finish

Track circuits commence

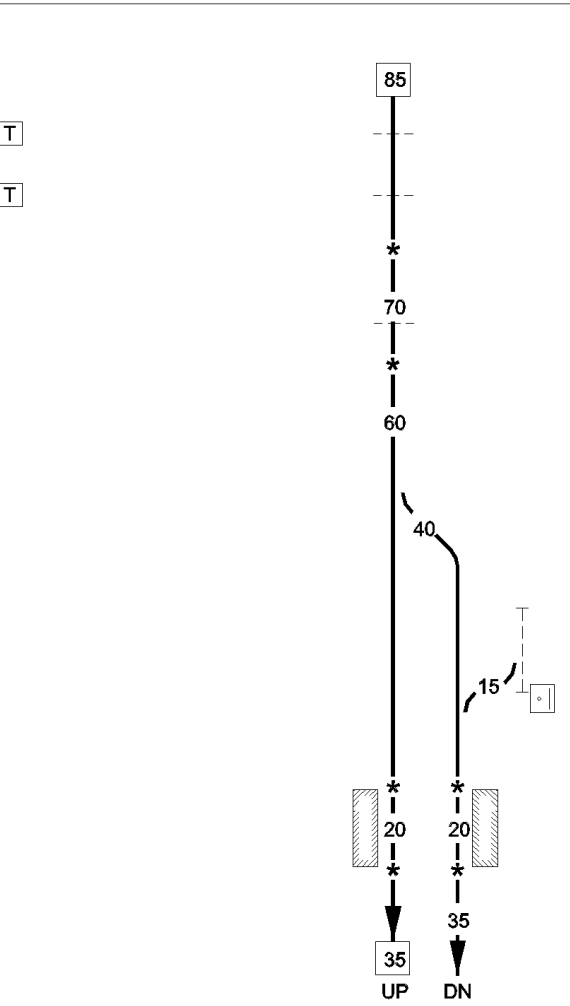
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	046	Clapham Junction to Weymouth	BML2	Wessex	23/04/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R Basingstoke (PW) RA8 DC:Eastleigh
Wool East Junction	125 27		
WOOL	125 69		
Wool (CCTV)	125 69		
Wool West Junction	125 71		
Wool West LC (R&G-X-OMSL)	126 25	T	OMSL - See General Instruction
East Burton LC (CCTV)	126 56		
Burton Common UI	127 03		
Winfrith UWC	127 65		

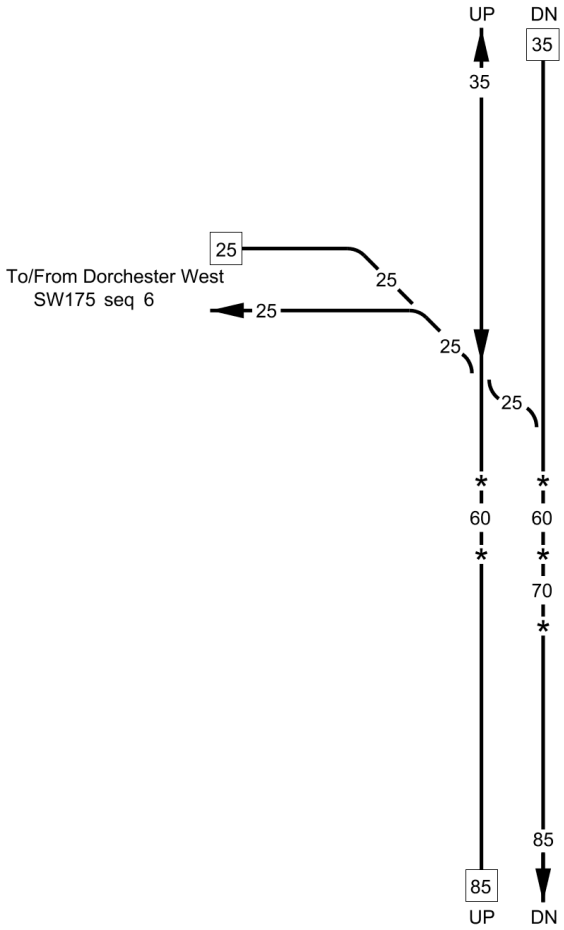
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	047	Clapham Junction to Weymouth	BML2	Wessex	26/09/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke ASC (PW) RA8 DC:Eastleigh
	130 00 *		
	130 20 *		AXLE COUNTERS Entrance Up Line Exit Down Line
Moreton LC (AHBC-X)	130 21	T	
MORETON	130 24		
	130 40 *		
	130 61 *		
Woodsford (No 37) LC (AHBC)	131 17	T	
Woodsford (No 38) LC (AHBC)	131 77 *	T	

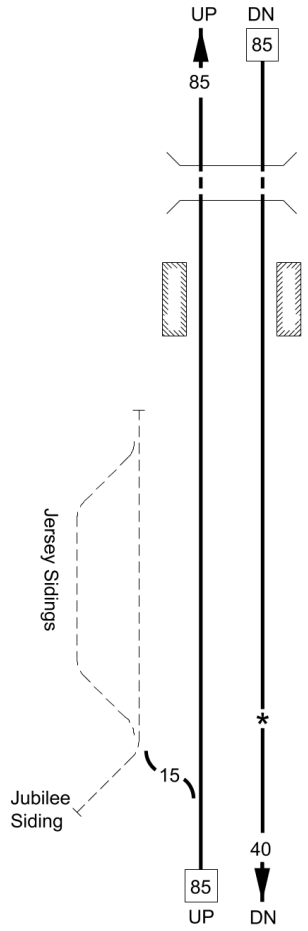
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	048	Clapham Junction to Weymouth	BML2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Dorchester South SB (DR) RA8 DC:Eastleigh
Knighton (No 38A) Crossing	132 38		
Lewell (No 39) Crossing	132 55		
	134 71 *		
Syward UWC	135 02		
	135 13 *		
Dorchester South SB (DR)			
DORCHESTER SOUTH	135 70		

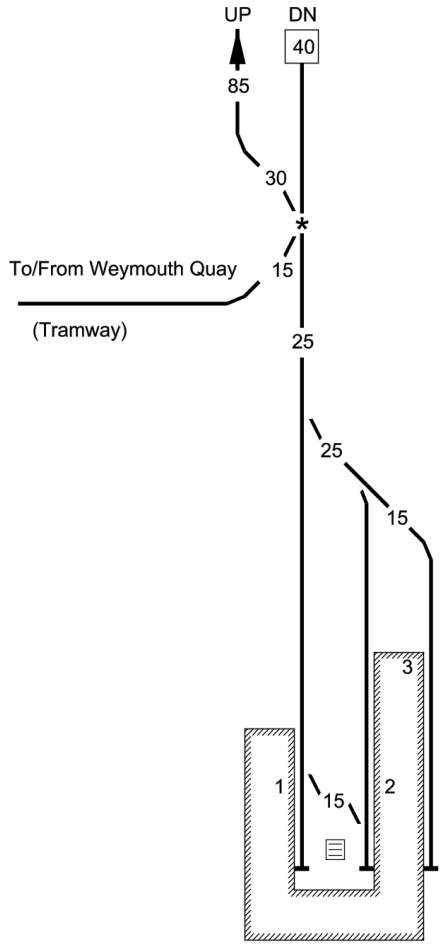
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	049	Clapham Junction to Weymouth	BML2 WEY	Wessex	02/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Dorchester Jn	136 15		GSM-R TCB Dorchester South SB (DR) RA8 DC:Eastleigh CTLP- WX-CTL-DSCE-162m 21ch
	162 14		
	162 14 *		
	162 43 *		
	164 02 *		

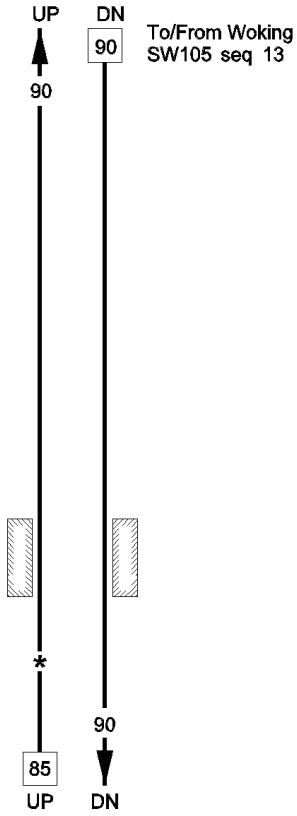
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	050	Clapham Junction to Weymouth	BML2 BML3	Wessex	02/10/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Dorchester South SB (DR) RA8 DC:Eastleigh CTLP-WX-CTL-BTLE 164m 40ch
Bincombe Tunnel (819 yards)	164 44 to 165 02		
UPWEY	166 30		
	168 21 *		

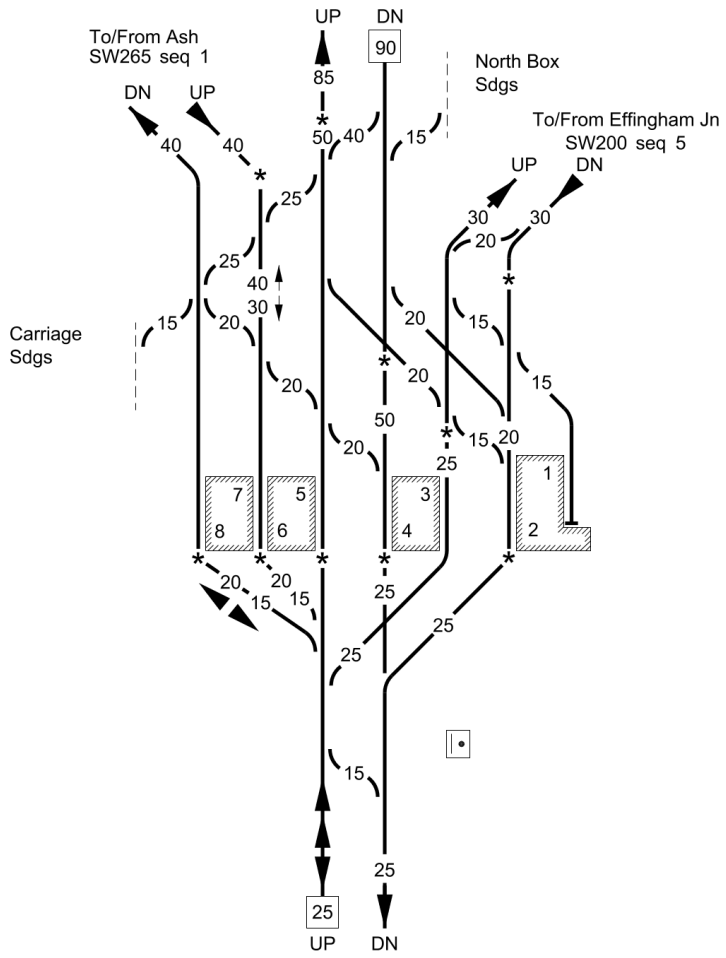
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	051	Clapham Junction to Weymouth	WTQ BML3	Wessex	07/05/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Dorchester South SB (DR) RA8 DC:Eastleigh
	168 31 *		Weymouth Quay (Tramway) out of use (permanent) between 168m 52ch and Weymouth Quay Station
WEYMOUTH	168 63		Platforms 1- 3 PP

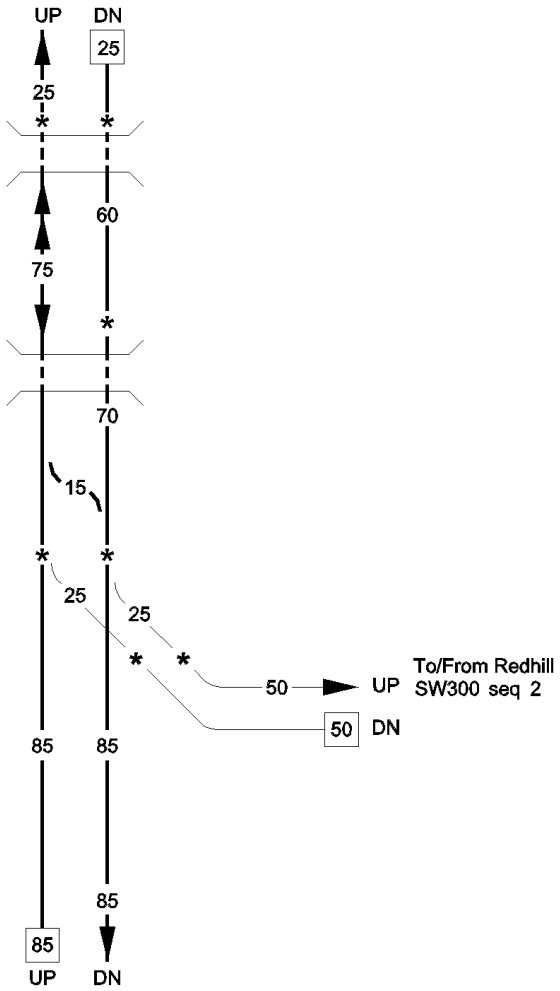
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	001	Woking Junction to Portsmouth Harbour	WPH1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		WOKING JUNCTION AND ROWLANDS CASTLE — MAXIMUM PERMISSIBLE SPEED 90 MPH ROWLANDS CASTLE AND PORTSMOUTH HARBOUR — MAXIMUM PERMISSIBLE SPEED 85 MPH	TCB Woking SB (WK) RA8 DC: Eastleigh GSM-R
Woking Jn	24 62		
WORPLESDON	26 55		
	28 40 *		

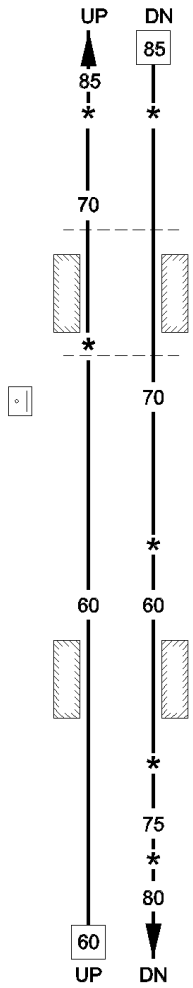
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	002	Woking Junction to Portsmouth Harbour	GTW1 GTW2 WPH1 NGL	Wessex	08/12/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
GUILDFORD Guildford ASC (GD)	29 76 * (30 43) * 29 43 * 30 09 * 30 16 * 30 27 30 33 *		TCB Guildford SB (GD) RA8 DC: Eastleigh GSM-R Mileages in brackets ( ) apply between Guildford and Wokingham Platform 1 PP Platform 2 PP Platform 3 PP Platform 4 PP-A Platform 5 PP Platform 6 PP Platform 7 PP Platform 8 PP Platform No.s 3, 5, 6/7 and 8 are bi-directional.

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	003	Woking Junction to Portsmouth Harbour	WPH1 RSJ	Wessex	20/12/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Chalk Tunnel (845 yards)	30 43 * to 31 01		GSM-R TCB Guildford SB (GD) RA8 DC: Eastleigh
St Catherine's Tunnel (132 yards)	31 11 * 31 13 to 31 19		
Shalford Jn	31 42 *		

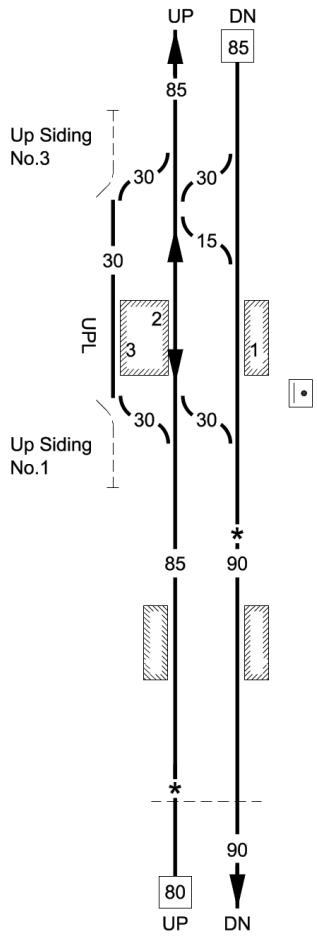
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	004	Woking Junction to Portsmouth Harbour	WPH1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	33 20 *		GSM-R TCB Farncombe SB (WZ) RA8 DC: Eastleigh
Farncombe East LC (CCTV)	33 29		
FARNCOMBE			
	33 39 *		
Farncombe LC	33 47		
Farncombe SB (WZ)	33 47		
	34 25 *		
GODALMING	34 37		
	34 50 *		
	35 15 *		

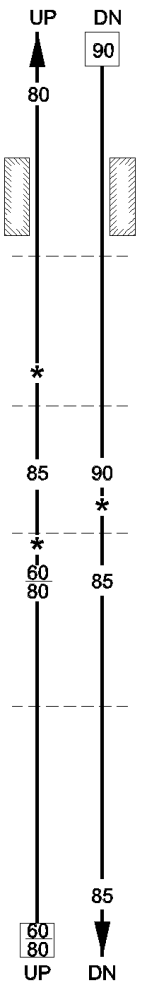
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	005	Woking Junction to Portsmouth Harbour	WPH1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		UP DN 80 60 *	GSM-R TCB Farncombe SB (WZ) RA8 DC: Eastleigh
	35 65 *	80 80	
MILFORD	36 21		
Milford LC (AHBC)	36 26		
	37 40 *	* *	
		85 85	Haslemere SB (EW)
WITLEY	38 36		
	42 30 *	* *	
		75 75	
	42 50 *	* *	
		85	
		85 UP DN	

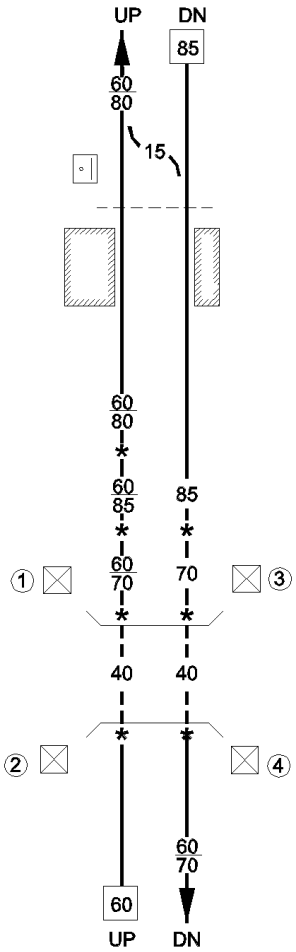
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	006	Woking Junction to Portsmouth Harbour	WPH1	Wessex	20/02/2023

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Haslemere SB (EW) RA8 DC: Eastleigh
Up Siding No. 3				
HASLEMERE	42	79		UPL 1050 ft
Haslemere SB (EW)	42	79		
Up Siding No. 1				
	44	40 *		
LIPHOOK	46	67		
Liss Common LC (AHBC)	50	75 *	T	

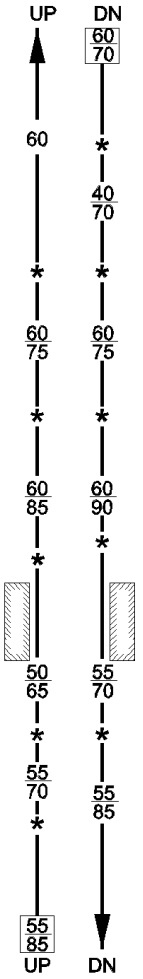
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	007	Woking Junction to Portsmouth Harbour	WPH1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Petersfield SB (PF) RA8 DC: Eastleigh
LISS	51 35		
Liss LC (CCTV)	51 35		
	52 07 *		
Princes Bridge LC (AHBC)	52 12	T	
	53 48 *		
Sheet LC (AHBC)	53 72 *	T	
Kings Fernsden LC (AHBC)	54 10	T	

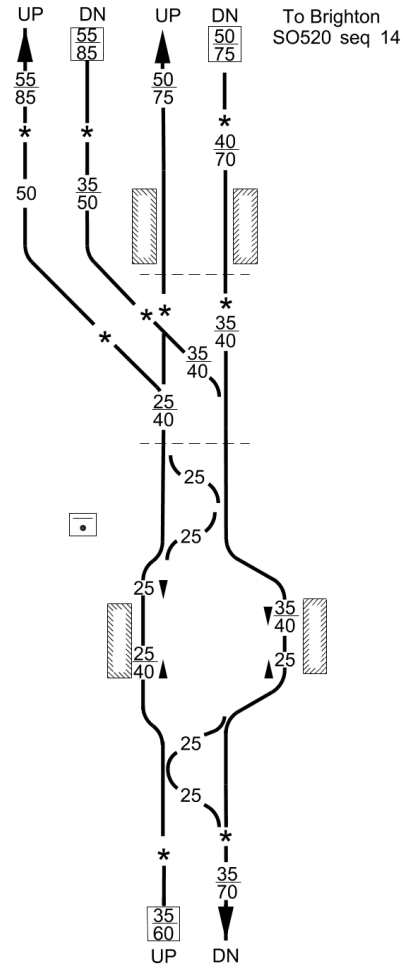
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	008	Woking Junction to Portsmouth Harbour	WPH1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Petersfield SB (PF) Petersfield LC (PF) **PETERSFIELD**	54 71		GSM-R TCB Petersfield SB (PF) RA8 DC: Eastleigh
	55 23 *		TCB Havant SB (HT) RA8 DC: Eastleigh
	57 30 *		
Buriton Tunnel (485 yards)	57 43 *		Axle Counter area Up Exit 56m 12ch Down Entry 56m 12ch
	to		
	57 69 *		① PLOD at 57m 44ch Up Main Buriton Tunnel ② PLOD at 57m 69ch Up Main Buriton Tunnel ③ PLOD at 57m 44ch Down Main Buriton Tunnel ④ PLOD at 57m 69ch Down Main Buriton Tunnel

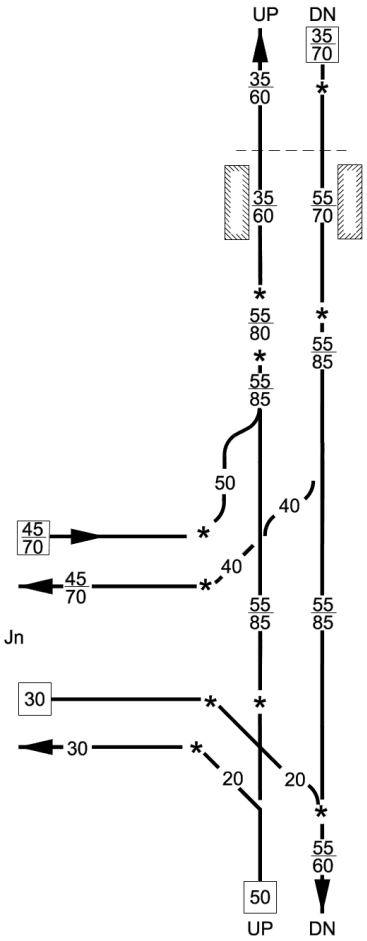
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	009	Woking Junction to Portsmouth Harbour	WPH1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh Axle Counter area
	59 24 *		
	59 46 *		
	59 71 *		
	62 67 *		
	63 07 *		
ROWLANDS CASTLE	63 18		
	63 45 *		
	64 20 *		

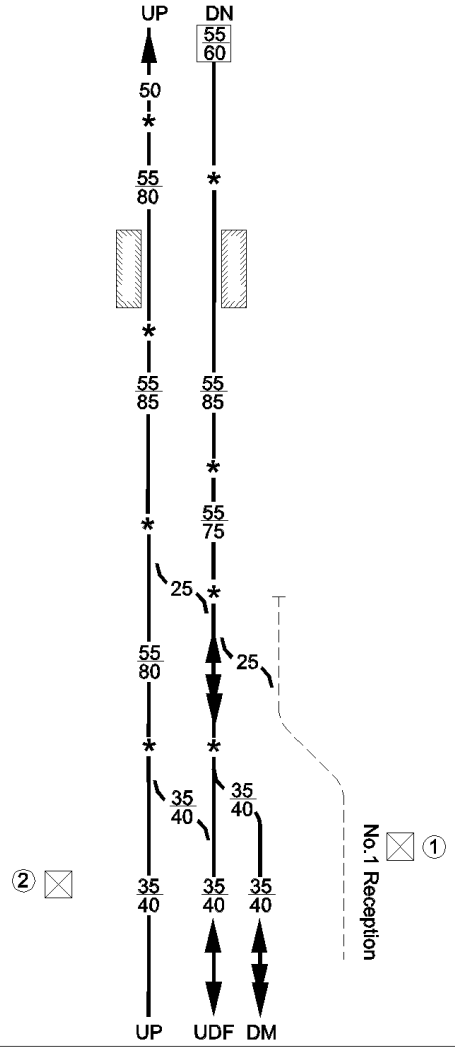
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	010	Woking Junction to Portsmouth Harbour	WPH1 WPH2 TBH2	Wessex	16/08/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	65 60 * (36 60)		GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh Mileages shown in brackets ( ) apply between Havant and Brighton. Axle Counter area
WARBLINGTON	(36 66)		
Warblington LC (CCTV)	(36 71) (37 13)* (37 20)*		
	66 10 *		
Havant Jn	66 17 37 25		
Havant LC (CCTV)	37 26		
Havant SB (HT)	37 28		CTLP-WX-CLT-HSLE 37m, 34ch
	37 34 *		
HAVANT	37 41		
	37 61 * 37 63 *		

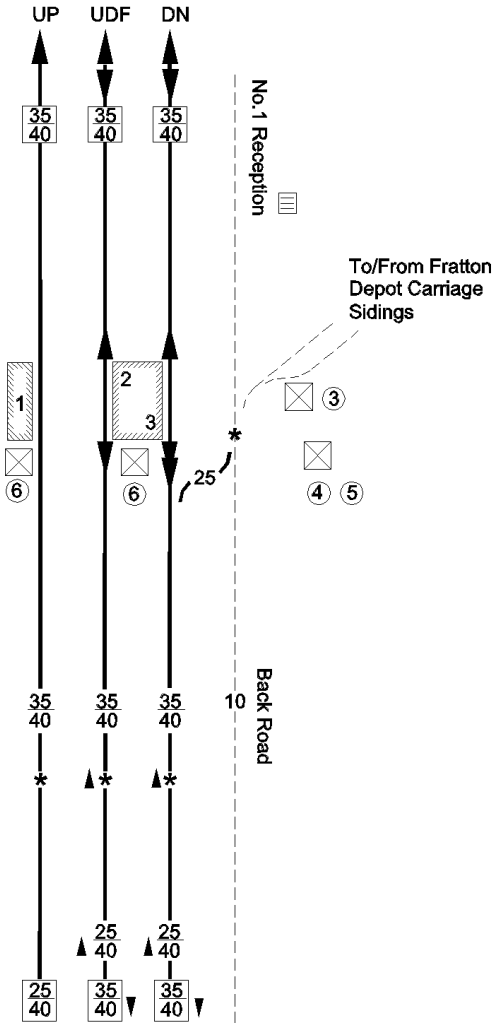
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	011	Woking Junction to Portsmouth	WPH2 FJJ	Wessex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	37 76 *		GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh Axle Counter area
Bedhampton LC (CCTV)	38 10		
BEDHAMPTON	38 14		
	38 28 *		
	38 29 *		
	38 60 *		
Farlington Jn	40 33 [91 14]		
	[91 00] *		
	[91 00] *		
	40 77 * [90 75] * [90 75] *		Mileages shown in brackets [ ] apply via Cosham
Portcreek Jn	41 03 * [91 01]		

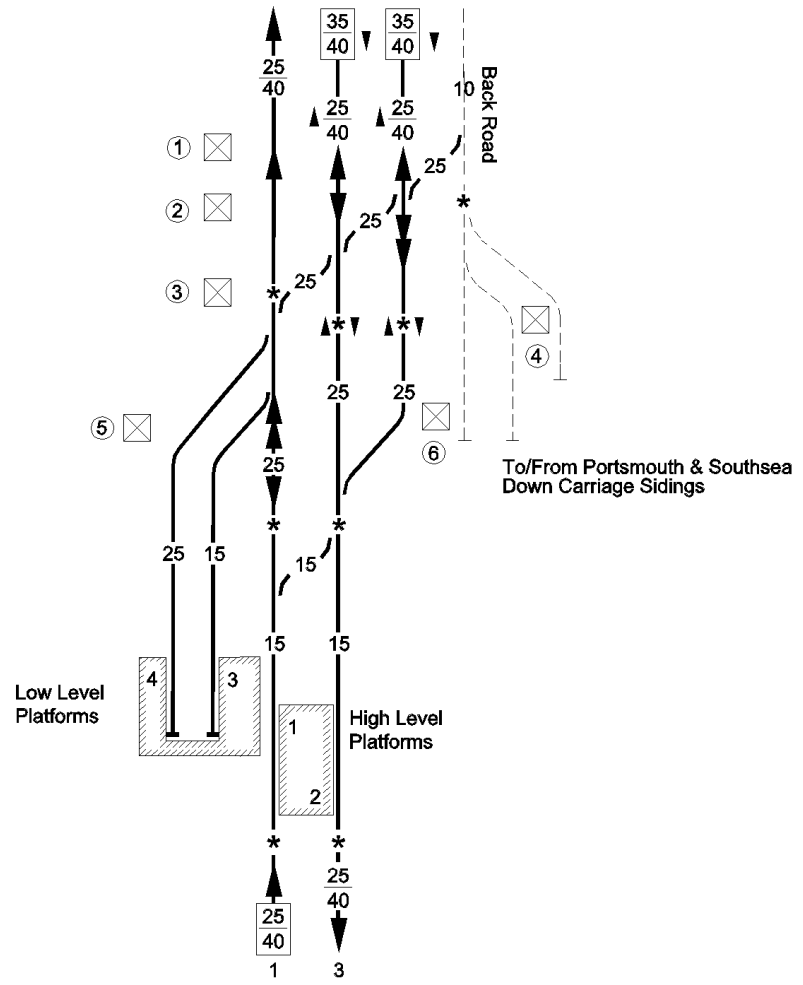
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	012	Woking Junction to Portsmouth Harbour	WPH2	Wessex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	41 08 *		GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh Axle Counter area
	41 24 *		
HILSEA	41 41		
	42 33 *		
	43 16 *		
	43 23 *		
Fratton East	43 41 *		① PLOD at 43m 47ch Down Main - Fratton to Blackfriars Jn Up and Down Fratton - Fratton to Blackfriars Jn ② PLOD at 43m 49ch Up Main - Fratton to Blackfriars

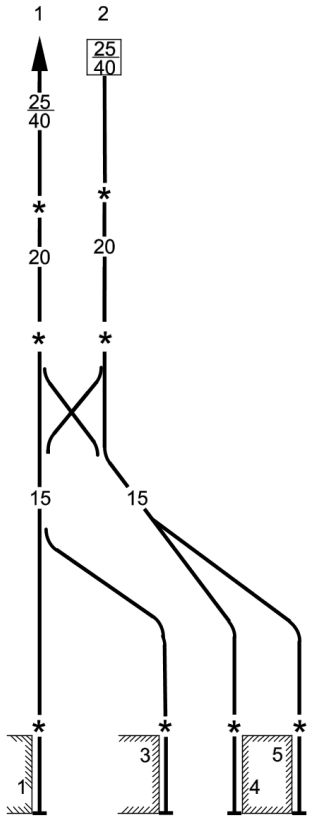
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	013	Woking Junction to Portsmouth Harbour	WPH2	Wessex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
FRATTON	43 64 43 77 *		GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh Axle Counter area ③ PLOD at 43m 70ch Back Road - Fratton Depot to Fratton Bridge (HT552 ground signal) ④ PLOD at 44m 04ch Back Road - Fratton to Fratton Bridge (HT552 ground signal) ⑤ PLOD at 44m 04ch Back Road - Holbrook Road Bridge (HT552 ground signal) to Blackfriars Jn ⑥ PLOD repeater instruments
	44 13 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	014	Woking Junction to Portsmouth Harbour	WPH2 PAS	Wessex	02/05/2015

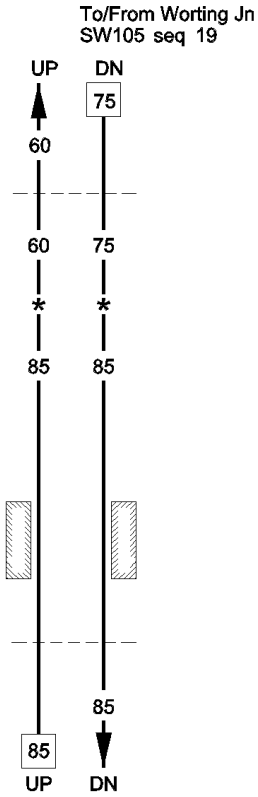
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Blackfriars Jn	44 24 *		GSM-R TCB Havant SB (HT) RA7 DC: Eastleigh Axle Counter area RA8 Blackfriars Jn to Portsmouth & Southsea Low Level RA7 Blackfriars jn to Portsmouth Harbour Platforms 4 & 5 ① PLOD at 44m 18ch Down Main - Fratton to Blackfriars Jn Down Main - Blackfriars Jn ② PLOD at 44m 22ch Up and Down Fratton - Fratton to Blackfriars Jn Up and Down Main - Blackfriars Jn ③ PLOD at 44m 25ch Up Main - Fratton to Blackfriars Jn Up Main - Blackfriars Jn ④ PLOD at 44m 29ch Back Road - Blackfriars Jn to Holbrook Road Bridge (HT552 ground signal) ⑤ PLOD at 44m 32ch Up Main - Blackfriars Jn ⑥ PLOD at 44m 29ch Up and Down - Blackfriars Jn Down Main - Blackfriars Jn Platforms 3 & 4 PP
	44 26		
	44 28 *		
	44 29 *		
	44 39 *		
PORTSMOUTH & SOUTHSEA	44 50		
	44 57 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	015	Woking Junction to Portsmouth Harbour	WPH2	Wessex	30/06/2018

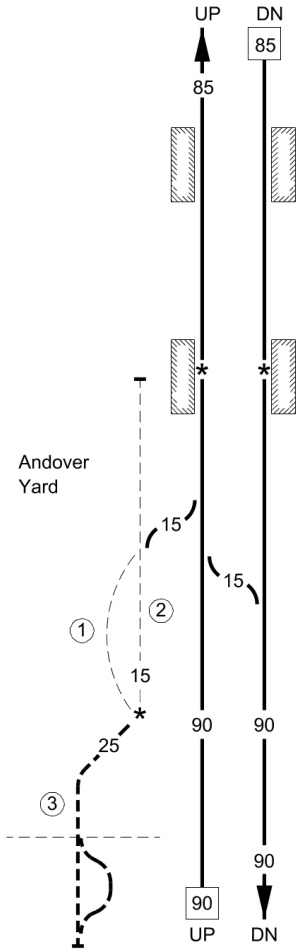
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Havant SB (HT) RA7 DC: Eastleigh Axle Counter area
	45 05 *		
	45 07 *		
	45 16 *		
	45 22 *		RA4 Platforms 1 & 3 from bottom of platform ramp 45m 22ch to the buffers at 45m 36ch
PORTSMOUTH HARBOUR	45 36		Platforms 1 - 5 PP 1 Up Main 2 Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	001	Worting Junction to Exeter St. Davids	BAE1	Wessex	07/04/2014

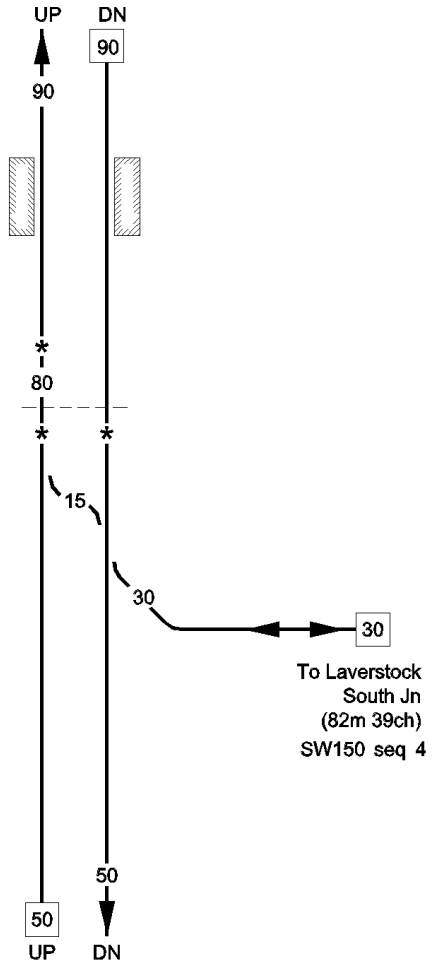
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		WORTING JUNCTION AND ANDOVER — MAXIMUM PERMISSIBLE SPEED 85 MPH ANDOVER AND SALISBURY TUNNEL JUNCTION — MAXIMUM PERMISSIBLE SPEED 90 MPH SALISBURY TUNNEL JUNCTION AND EXMOUTH JUNCTION (170 M.P.) — MAXIMUM PERMISSIBLE SPEED 85 MPH EXMOUTH JUNCTION (170 M.P.) AND EXETER ST. DAVIDS — MAXIMUM PERMISSIBLE SPEED 70 MPH	TCB Basingstoke SB (BE) RA8 Non Electrified GSM-R
Worting Jn			
Parlour Gates (UWC)	51 15		
	51 27 *		
OVERTON	55 42		
Forty Steps (UWC)	56 31		



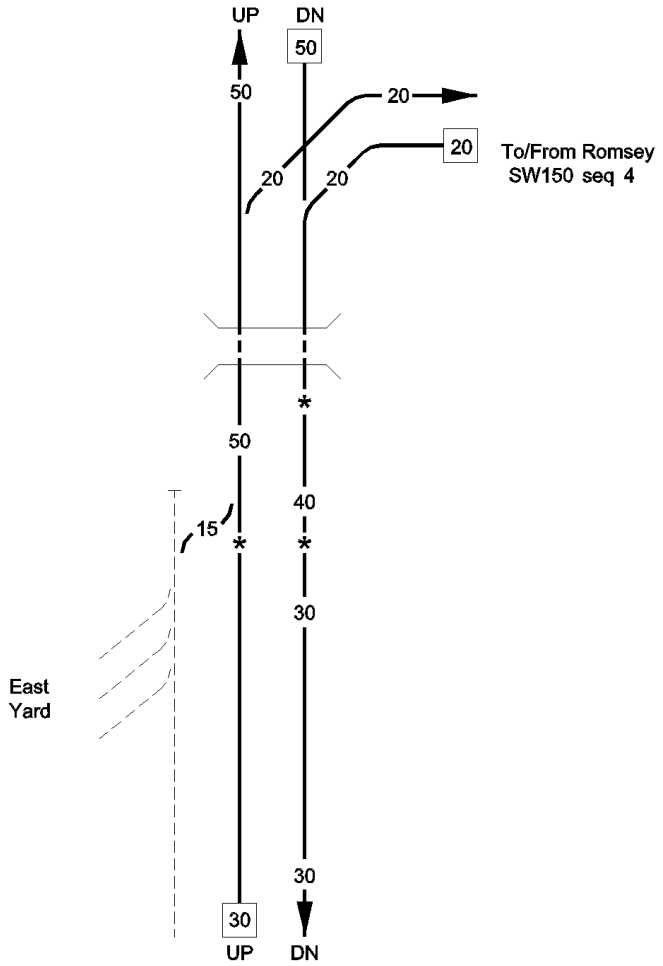
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	002	Worting Junction to Exeter St. Davids	BAE1 LUD1 LUD2	Wessex	11/12/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke SB (BE) RA8 Non Electrified
WHITCHURCH	59 08		
ANDOVER	66 19		Circled 1 - Ludgershall Loop Siding Circled 2 - Ludgershall Branch Siding Circled 3 - Ludgershall Branch Line (OT)
	[66 70] *		Mileages shown in brackets [ ] apply between Andover and Ludgershall.
Start of OT Section	[67 14]		One Train Working (OT - Annettes Key) between start of OT Section 67 14 and Ludgershall. AWS not provided
	[67 61]		
	[0 00]		
Andover Lane	[4 50]		
Ludgershall	[5 64]		Maximum permissible speed on Ludgershall Branch 25 mph.

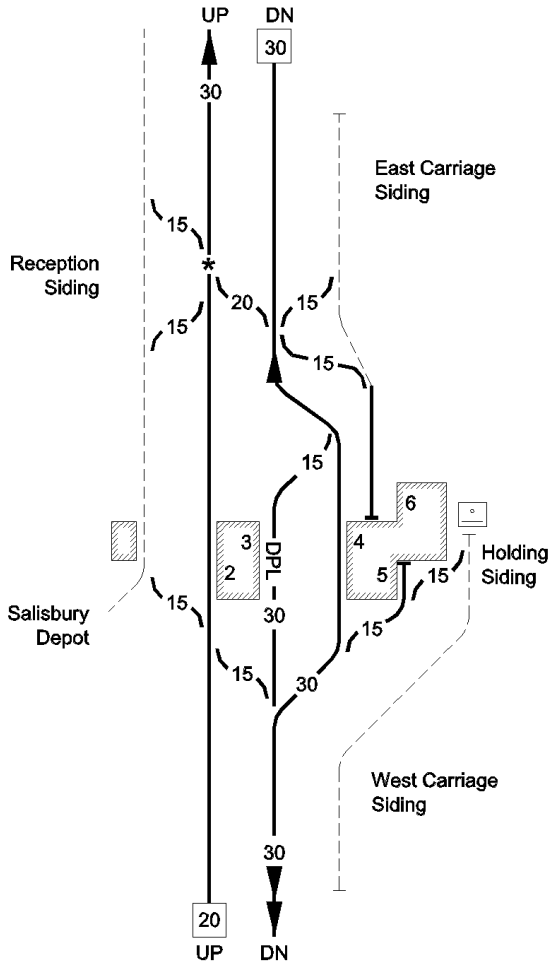
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	003	Worting Junction to Exeter St. Davids	BAE1 LAV	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
GRATELEY	72 49		GSM-R TCB Salisbury SB (SY) RA8 Non Electrified
	78 00 *		
Targetts Crossing	78 21		
	82 00 *		
Laverstock North Jn	82 05		

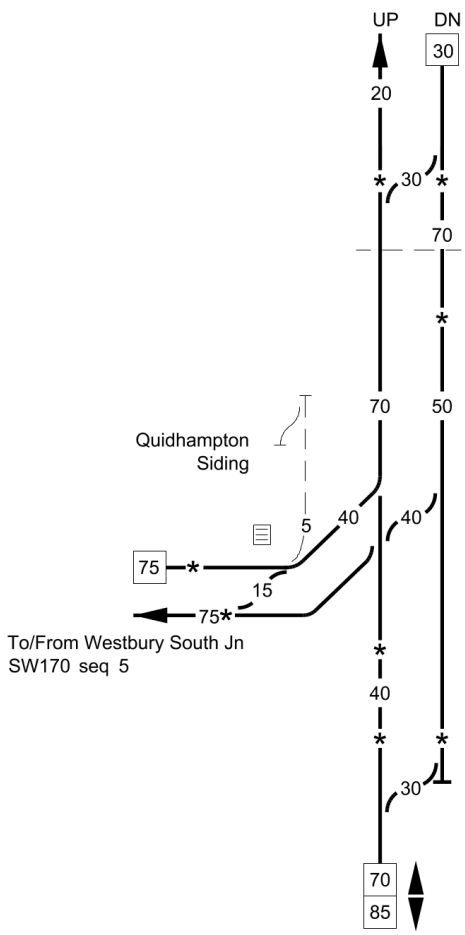
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	004	Worting Junction to Exeter St. Davids	BAE1 RTJ2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Salisbury Tunnel Jn	82 36 [96 05]		GSM-R TCB Salisbury SB (SY) RA8 Non Electrified Mileage shown in brackets [ ] applies between Redbridge and Salisbury Tunnel Jn
Fisherton Tunnel (443 yards)	82 37 to 82 57		
	82 67 *		
	83 14 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	005	Worting Junction to Exeter St. Davids	BAE2 BAE1	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Salisbury SB (SY) RA8 Non Electrified
	83 26 *		
Salisbury SB (SY)	83 43		Platform 2 PP Platform 3 PP Platform 4 PP Platform 5 PP-C Platform 6 PP
SALISBURY	83 43		Down and Up Main platform lines and DPL. DPL 903 ft DPL and down Main platforms are both reversible.

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	006	Worting Junction to Exeter St. Davids	BAE2 SAL	Wessex	01/04/2022

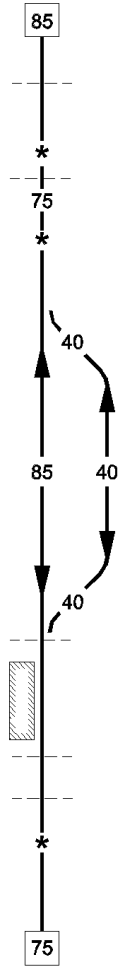
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Salisbury SB (SY) RA8 Non Electrified Mileages shown in brackets [ ] apply between Wilton Junction and Quidhampton Siding, and the mileages are via Westbury.
	83 60 *		
Gramshaw Road Crossing	84 22		
	85 23 *		
Quidhampton Siding	[132 54]		
Wilton Jn	85 37		
	[132 33]		RA7
	[132 01] *		
	[132 17] *		
	85 70 *		
	86 20 *		
Wilton South	86 25		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	007	Worting Junction to Exeter St. Davids	BAE2	Wessex	29/10/2023

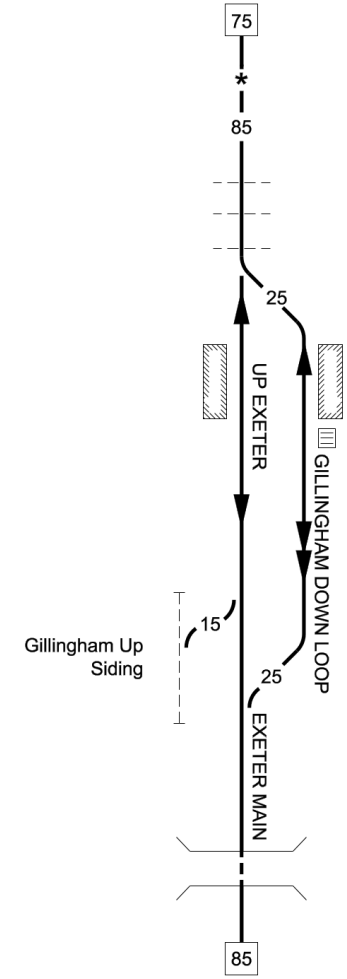
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
				70 / 85	GSM-R TB Salisbury SB (SY) RA7 Non Electrified
	87	40	*	*	Other crossings also in this area:-
				70	Church Path F/P 90m 48ch Dinton Mill No.1 F/P 90m 69ch Dinton Mill No.2 F/P 91m 10ch
	88	33	*	*	
Hurdcott Lodge LC (R/G)	89	74		T	
Barford F/P Crossing	90	05			
Morris Farm No. 2 Crossing	90	35		T	
Baverstock Navy Siding (Closed)					
Teffont Mill LC (R/G)	92	39		T	
Chilmark Air Siding (Closed)					
				85	
Sweatmans Crossing (R&G-OMSL)	93	22		T	
	93	33	*	*	
				70	
	94	02	*	*	
				85	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	008	Worting Junction to Exeter St. Davids	BAE2	Wessex	07/04/2014

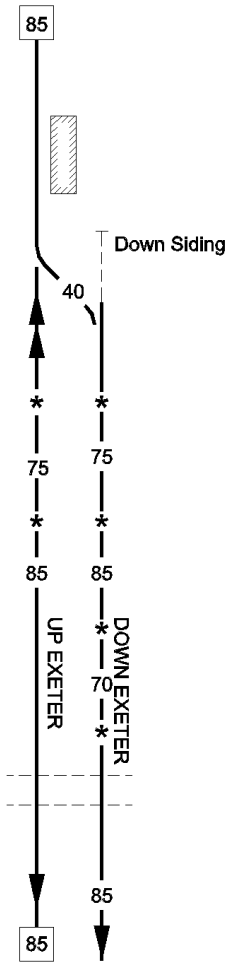
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TB Salisbury SB (SY) RA7 Non Electrified
Tisbury Quarry LC (R/G)	94 75	T	
	95 18 *		
Mill Path (Footpath)	95 27		
	95 52 *		
			CL 924 ft
Chantry (Footpath)	96 10		
TISBURY	96 14		
Tisbury West LC (AHBC)	97 11	T	
Hatch Path	97 50		
	99 40 *		
			TCB Basingstoke (West Of England) RA7 SB (SE)



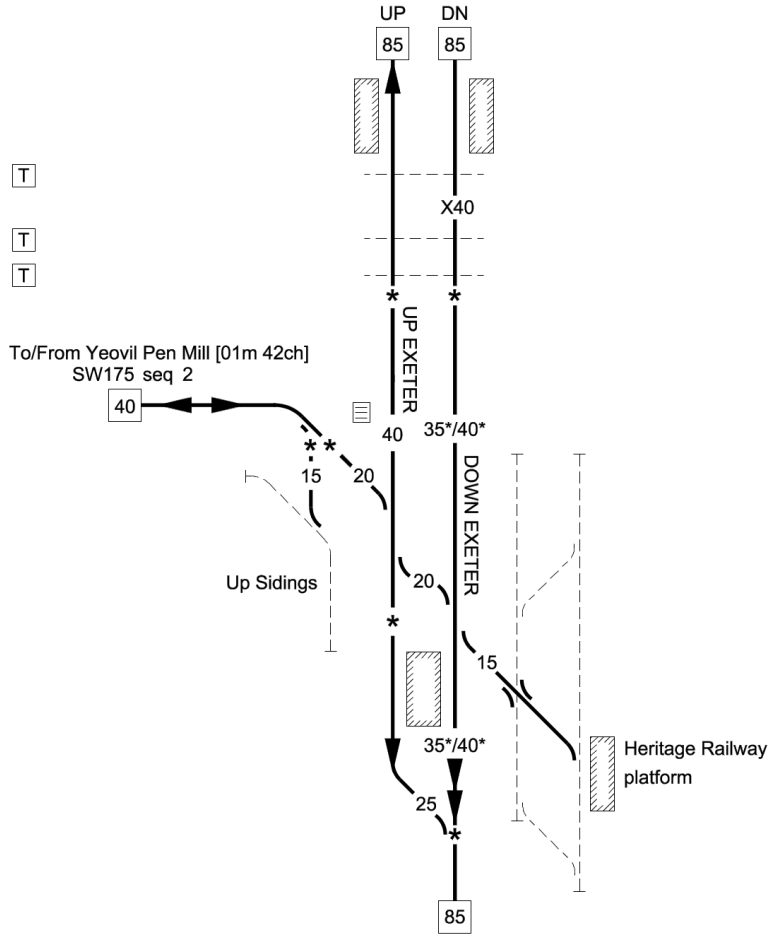
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	009	Worting Junction to Exeter St. Davids	BAE2	Wessex	05/04/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke (West of England) RA7 SB (SE) Non Electrified
	100 10 *		
Hunts Path No. 1 Crossing	103 45		
Hunts Path No. 2 Crossing (R&G-OMSL)	103 52	T	Other Crossings also in this area: Semley gates (Bridleway) 100m 24ch Guest's Path (Footpath) 102m 41ch Humbers (Footpath) 102m 73ch
Kings Court F/P Crossing	104 45		
GILLINGHAM	105 23		DPL TBC
Gillingham Ground Frame			RA6
Gillingham Tunnel (742 yards)	107 44 to 107 78		

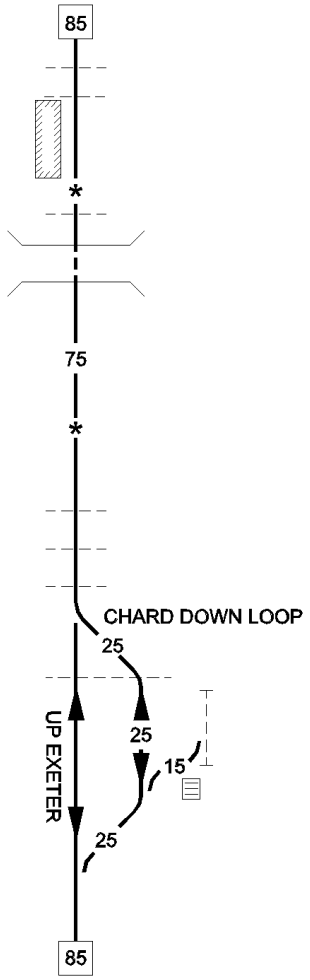
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	010	Worting to Exeter St. Davids	BAE2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
TEMPLECOMBE	112 02		GSM-R TCB Basingstoke (West Of England) RA6 SB (SE) Non Electrified Other Crossings also in this area: Ashford FP 109m 41ch
	112 76 *		
	113 36 *		
	115 35 *		
	115 76 *		
Castleton Farm Crossing	117 31	T	
Sherborne LC (CCTV)	118 00		

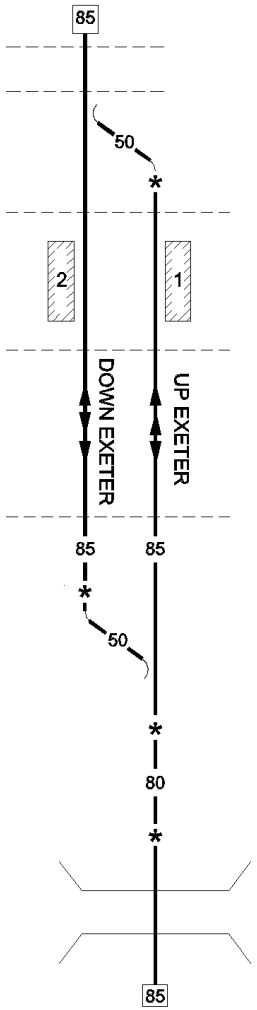
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	011	Worting Junction to Exeter St. Davids	YJP BAE2	Wessex	05/04/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke (West Of England) RA6 SB (SE) Non Electrified
SHERBORNE	118 04		
Lenthay Crossing (R&G-X-OMSL) (tel not available to traincrew)	119 15	T	35*/40* PSR Explanation
Bedmill Farm No.1 Crossing	119 73	T	35 mph for trains in the Up direction and 40mph for trains in the Down direction between 122m 30ch and 122m 58ch on the Down Exeter line only.
Wyke No. 1 Crossing	120 60	T	
	122 30 *		
Yeovil Jn Up Siding Groundframe	122 30		
	[0 12]*		Mileages shown in brackets [ ] apply between Yeovil Jn and Yeovil Pen Mill
Yeovil Jn	122 31 [0 00]		
Up sidings			
	122 39 *		
YEOVIL JUNCTION	122 48		
	122 58 *		

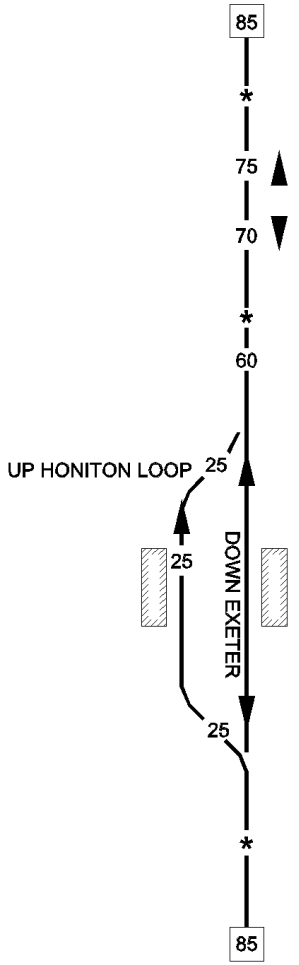
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	012	Worting Junction to Exeter St. Davids	BAE2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke (West Of England) RA6 SB (SE) Non Electrified
Grove Farm No. 1 (UWC)	127 34	T	
Grove Farm No. 2 (UWC)	127 34		
CREWKERNE	131 33		
	131 74 *		Other crossing also in this area:
Crewkerne LC (AHBC)	132 03	T	Hardington (Footpath) 127m 76ch Knowle Hill (Footpath) 129m 06ch Old Moat (Footpath) 130m 13ch Crewkerne Mill (Footpath) 131m 17ch Henley (Footpath) 132m 11ch Pipplepens (Footpath) 133m 19ch Hewish (Footpath) 133m 73ch Wayford (Footpath) 135m 30ch Marshwood Farm1 (Footpath) 138m 56ch Westford (Footpath) 139m 65ch
Crewkerne Tunnel (205 yards)	132 39 to 132 48		
	133 20 *		
Hewish LC (AHBC)	134 04	T	
Hay Crossing	136 35	T	
Marshwood Farm No. 2 Crossing	138 78	T	
Chard Jn LC (CCTV)	139 32		CL 1533 ft
Chard Jn Down Sidings GF	139 48		Sound horn continuously from whistle board to Westford foot crossing at 139m 65ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	013	Worting Junction to Exeter St. Davids	BAE2	Wessex	30/01/2015

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
Broom LC (AHBC)	141 14	T		GSM-R TCB Basingstoke (West Of England) RA6 SB (SE) Non Electrified
Axe LC (AHBC)	141 57	T		
Axminster East Jn	143 23			
	143 28	*		
Axminster LC (CCTV)	144 18			
AXMINSTER	144 48			Other crossings in this area: Gamberlake (Footpath) 144m 60ch
Abbey Farm No. 2 Crossing	145 18	T		'Right hand running' normally applies between Axminster East Jn and Axminster West Jn
Slymlakes Crossing	145 50	T		LOD(T) Up Main 145m 61ch to 143m 40ch Axminster West Jn. to Axminster East Jn. LOD(T) Down Main 143m 40ch. to 145m 61ch Axminster East Jn. to Axminster West Jn.
Axminster West Jn	146 03	*		
	146 09			
	148 40	*		
	149 00			
Honiton Tunnel (1345 yards)	152 45 to 153 26			

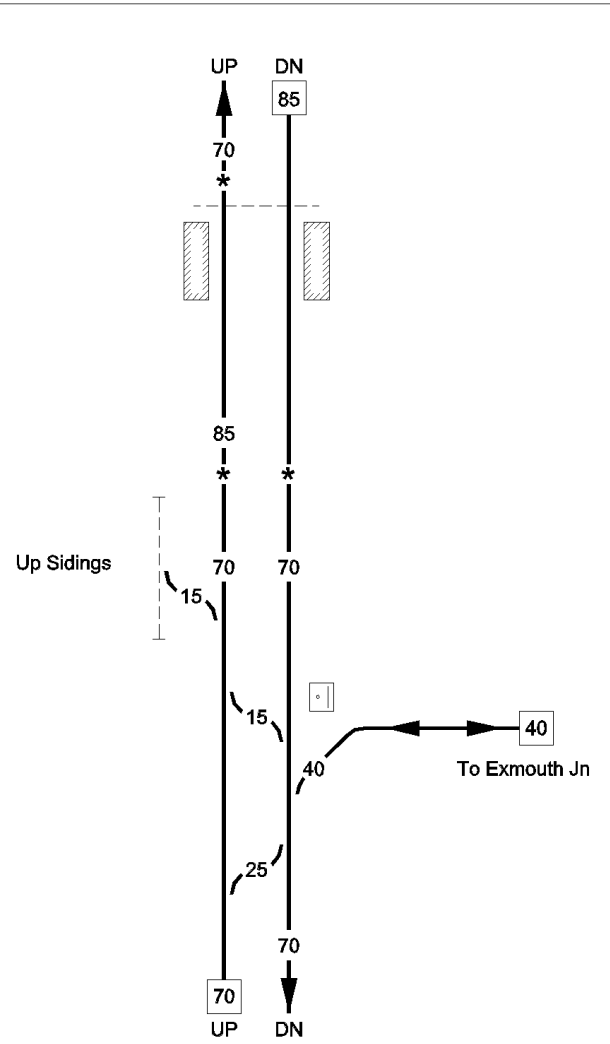
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	014	Worting Junction to Exeter St. Davids	BAE2	Wessex	27/03/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TB Basingstoke (West Of England) RA6 SB (SE) Non Electrified
	153 30 *		
	154 20 *		
HONITON	154 60		CL 1344 ft
	155 09 *		

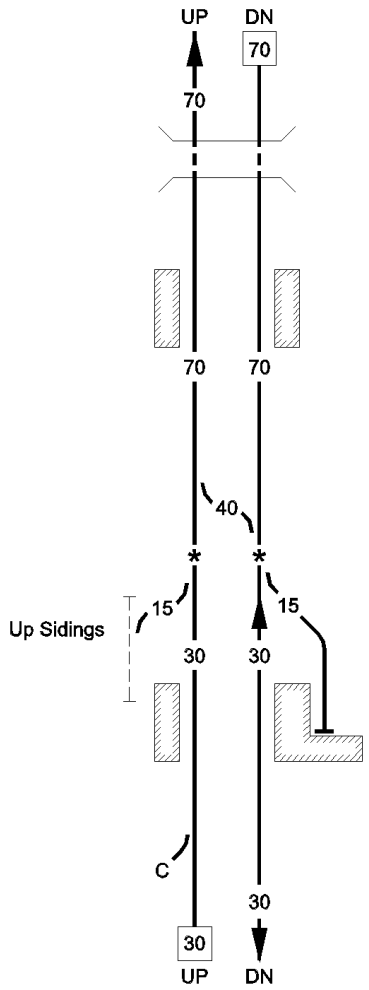
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	015	Worting Junction to Exeter St. Davids	BAE2	Wessex	10/12/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		85	TCB Basingstoke RA6 SB (SE) Non Electrified GSM-R
	159 22 *	* 80	
FENITON	159 24		
Feniton LC (CCTV)	159 27		
	161 75 *	* 85	
WHIMPLE	163 02		
Route Boundary	163 50	Wessex / Western GW610 seq 001	
Crannaford LC (AHBC)	165 20		
	165 21 *	* 65 / 80	
	165 62 *	* 80	
	166 07 *	* 85	
CRANBROOK	166 15		
	168 23 *	*	
Single Line Jn	168 24	70 85 / 70	TCB Exmouth Jn (EJ)

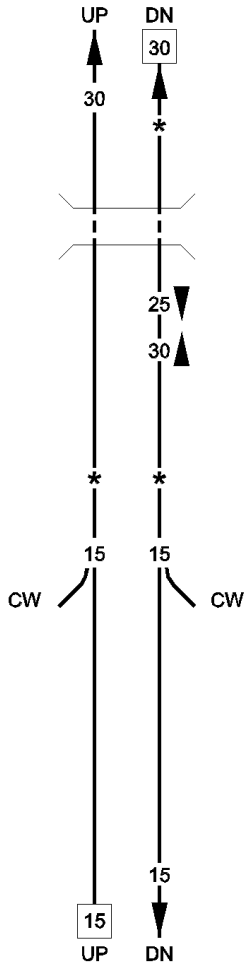
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	016	Worting Junction to Exeter St. Davids	BAE2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Exmouth Jn SB (EJ) RA6 Non Electrified
	168 38 *		
Pinhoe LC (CCTV)	168 39		
PINHOE	168 44		
	170 00 *		
Up Sidings			
Exmouth Jn SB (EJ)	170 21		Exeter SB (E) RA8

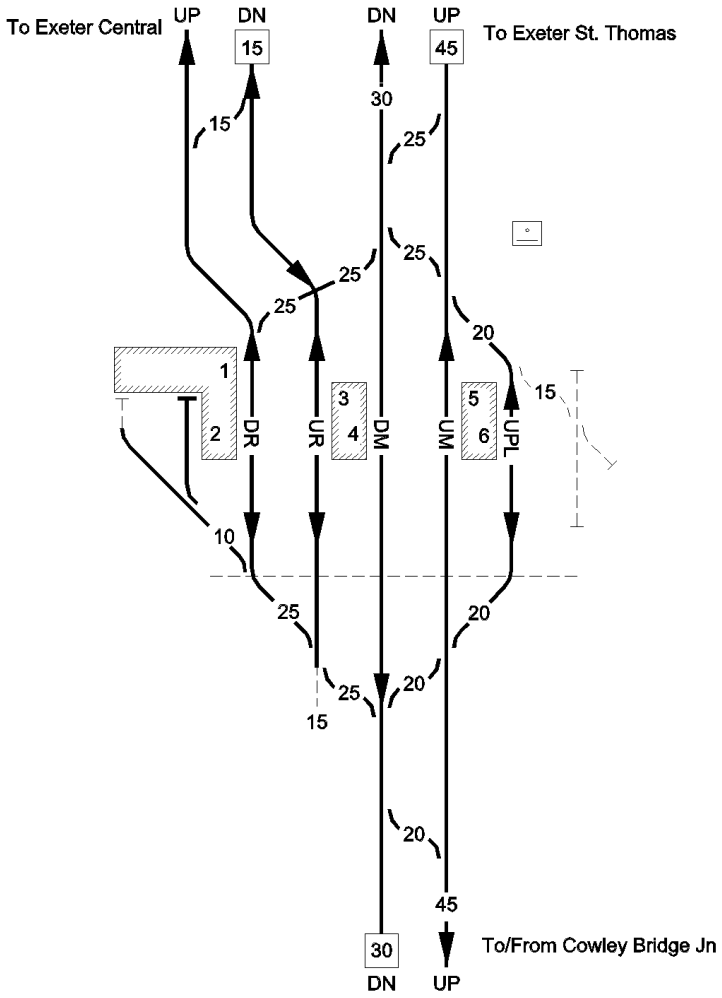
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	017	Worting Junction to Exeter St. Davids	BAE2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Exeter SB (E) RA8 Non Electrified
Blackboy Tunnel (262 yards)	170 44 to 170 56		
ST JAMES PARK	170 72		
	171 15 *		
EXETER CENTRAL	171 30		C Up 171m 43ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	018	Worting Junction to Exeter St. Davids	BAE2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Exeter SB (E) RA8 Non Electrified
	171 52 *		
Exeter St. Davids Tunnel (184 yards)	171 53 to 171 61		
	171 73 *		CW Down 171m 75ch (Sand Drag provided) CW Up 171m 75ch

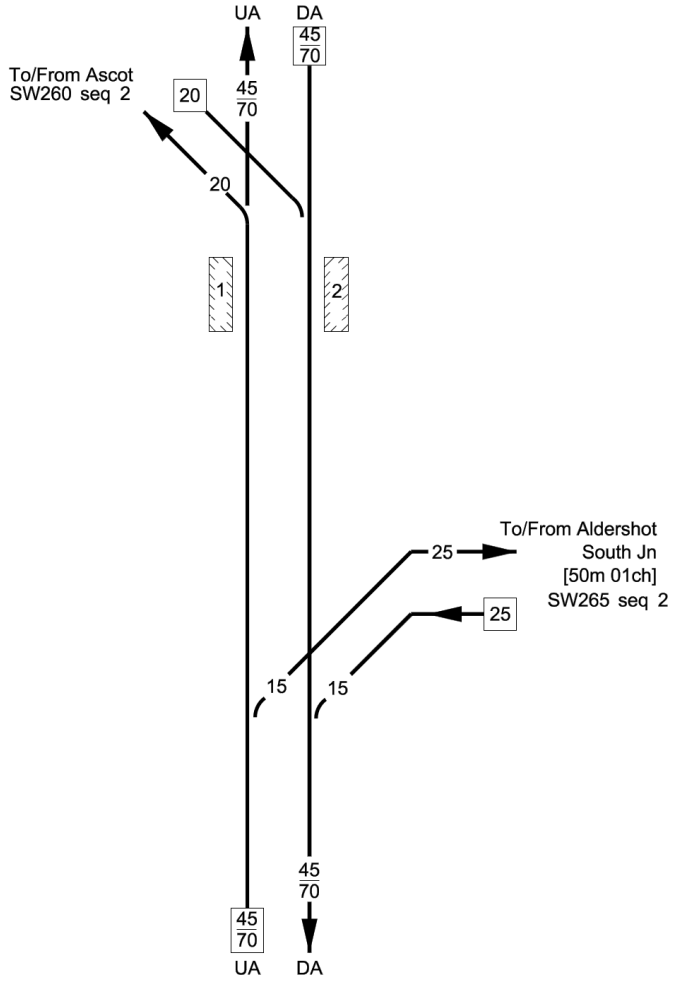
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW115	019	Worting Junction to Exeter St. Davids	BAE2	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Exeter SB (E) RA8 Non Electrified
	172 04		
	194 00		
EXETER ST. DAVIDS (E)	193 72		
Red Cow LC (CCTV)	193 62		

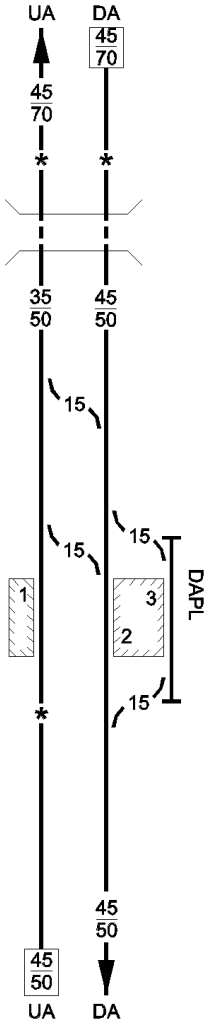
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW120	001	Pirbright Junction to Alton	PAA1	Wessex	16/08/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		Maximum permissible speed 70 mph	GSM-R TCB Woking ASC (WK) RA8 DC: Eastleigh
Pirbright Jn	29 39	UP 40 / DN 35 — To Pirbright Jn SW105 seq 14	
	29 40 *	*	
	29 60 *	*	CTLP - WX-CLT-PBSS 29m, 60ch
		50 / 70	
	30 00 *	*	
		70	
	30 40 *	* *	
		60 / 60	
Foxhills Tunnel (418 yards)	30 64 to 31 03		TOWS - Up and Down lines 30m 64ch and 31m 03ch
	31 30 *	* *	
		45/70 UP / 45/70 DN	

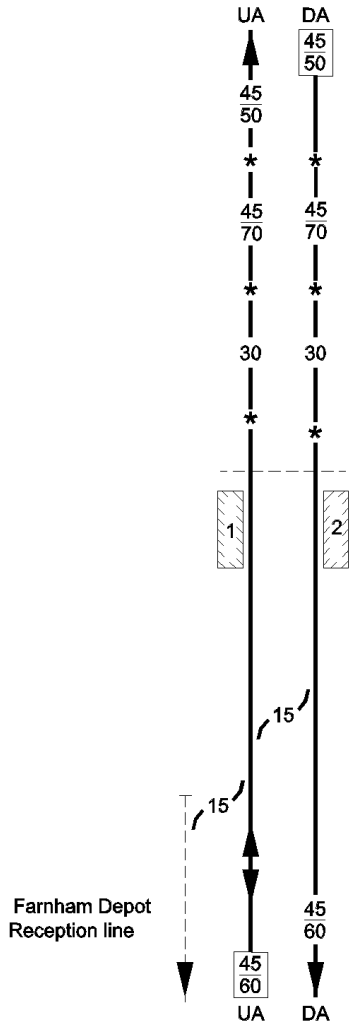
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW120	002	Pirbright Junction to Alton	AAV PAA1 NSA	Wessex	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ash Vale Jn	32 30 (40 57)		TCB Woking ASC (WK) RA8 DC: Eastleigh GSM-R RA7 Mileages shown in brackets ( ) apply between Ascot and Ash Vale Jn Platform Length: Platform 1 - 169 metres (184.8 yards) Platform 2 - 175 metres (191.4 yards) CTLP-WX-CTT-AVAS-32m, 30ch Mileages shown in brackets [ ] apply between Aldershot North Jn and Aldershot South Jn
ASH VALE	32 38		
Aldershot North Jn	33 40 [50 43]		DA - Down Alton UA - Up Alton

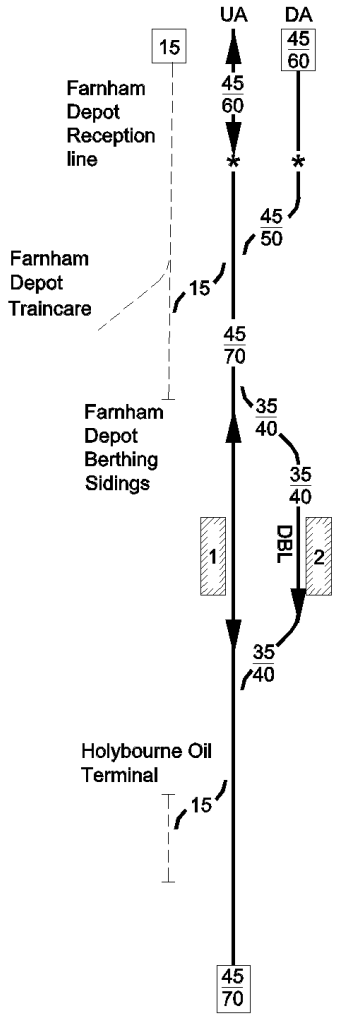
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW120	003	Pirbright Junction to Alton	PAA1	Wessex	27/08/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Woking ASC (WK) RA7 DC: Eastleigh GSM-R
	34 33 *		
Aldershot Tunnel (76 Yards)	34 46 to 34 50		
ALDERSHOT	35 00		Platform Lengths: Platform 1 - 247m (270 yards) Platform 2 - 248m (271.2 yards) Platform 3 - 248m (271.2 yards)
	35 08 *		Permissive working authorised on Down Main platform line DAPL 228 metres (314.6 yards)
			DA - Down Alton UA - Up Alton DAPL - Down Aldershot Platform Loop

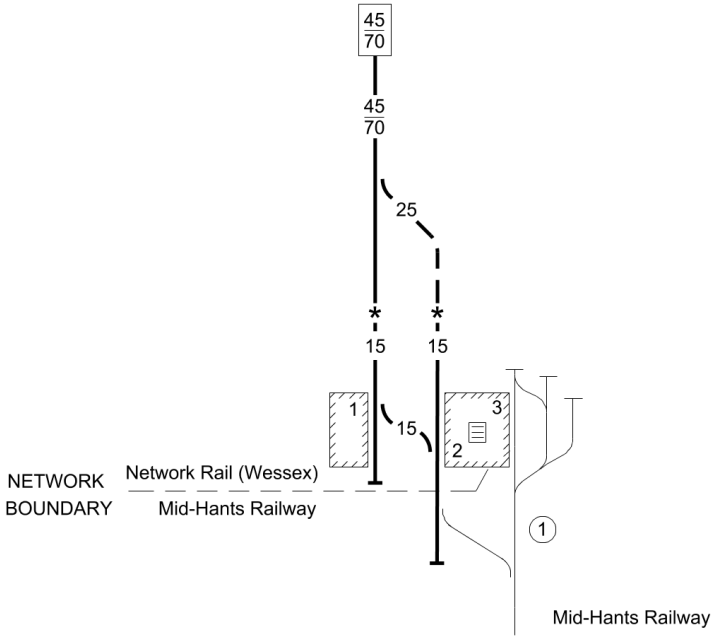
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW120	004	Pirbright Junction to Alton	PAA1 PAA2	Wessex	27/08/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Woking ASC (WK) RA7 DC: Eastleigh
	35 35 *		
	36 55 *		
	36 75		
	39 22		
	39 23 *		
	39 28 *		
Farnham LC (CCTV)	40 28		
FARNHAM	40 33		Permissive working authorised on Up and Down platform lines in up direction only Platform Lengths: Platform 1 - 279 metres (305 yards) platform 2 - 244 metres (266.8 yards)
			DA - Down Alton UA - Up Alton

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW120	005	Pirbright Junction to Alton	PAA2	Wessex	27/08/2013

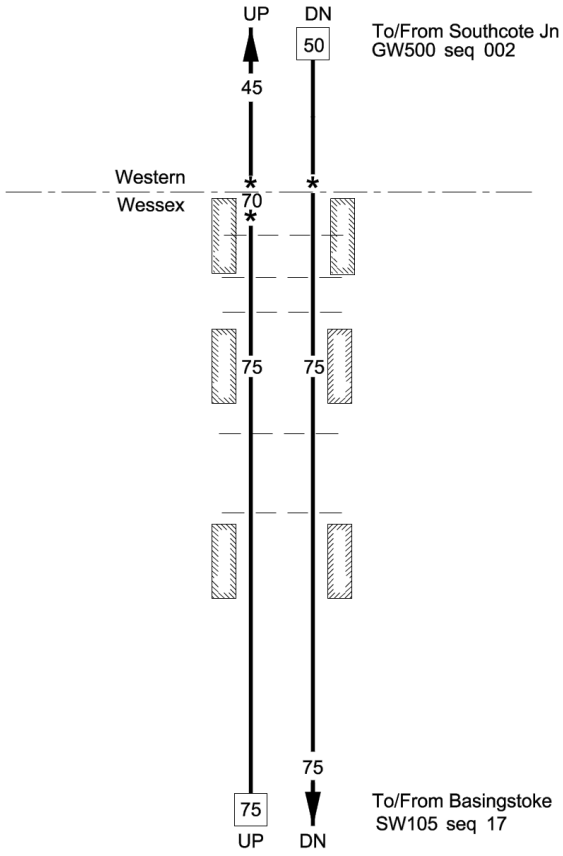
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Woking ASC (WK) RA7 DC: Eastleigh
	41 00 *		
Farnham Depot Shunt Panel (FD)			
BENTLEY	44 24		DBL 450 metres (492 yards)
			Platform Lengths: Platform 1 - 125 metres (136.7 yards) Platform 2 - 122 metres (133.4 yards)
End of Loop	44 48		
	47 26		
			DA - Down Alton UA - Up Alton DBL - Down Bentley Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW120	006	Pirbright Junction to Alton	PAA2	Wessex	06/11/2019

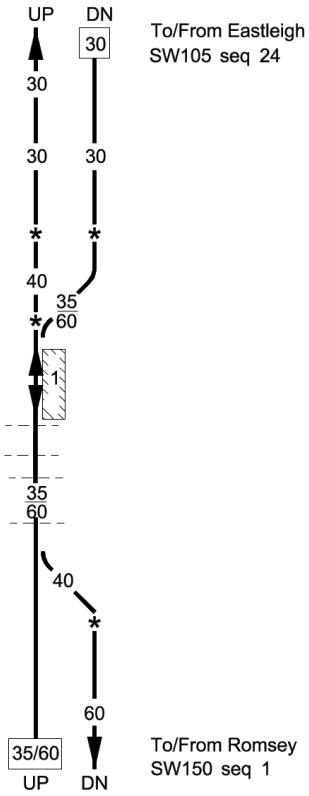
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
ALTON Alton Station Ground Frame B	49 00 * 49 13 49 13 49 15		GSM-R TCB Woking ASC (WK) RA7 DC: Eastleigh Platform Lengths: Platform 1 - 167 metres (182.6 yards) Platform 2 - 172 metres (188 yards) (1) Points AT22 operated by Mid-Hants Railway

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW125	001	Southcote Junction to Basingstoke	BKE	Wessex	27/05/2023

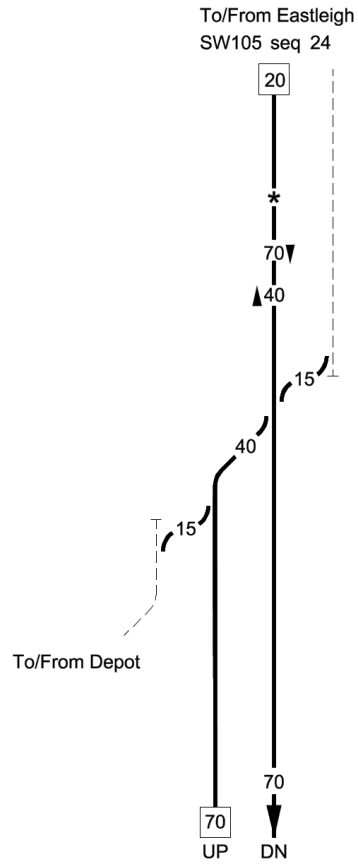
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
				Maximum permissible speed 75 mph	GSM-R TCB Thames Valley SC (TR) AC - Didcot
Southcote Jn	37	62			TCB Basingstoke SB (BE) RA8
Limit of electrification on Up and Dn	38	07			
	38	08	*		
Route Boundary	38	30	*		
READING GREEN PARK	38	70			
	39	05	*		
Grazeley Green (UWC)	39	78			
Danes (UWC)	41	28		T	
Great Park (UWC)	42	58			
MORTIMER	43	14			
Odd Lane (UWC)	44	63			
Bramley LC (CCTV)	46	38		T	
BRAMLEY	46	41			



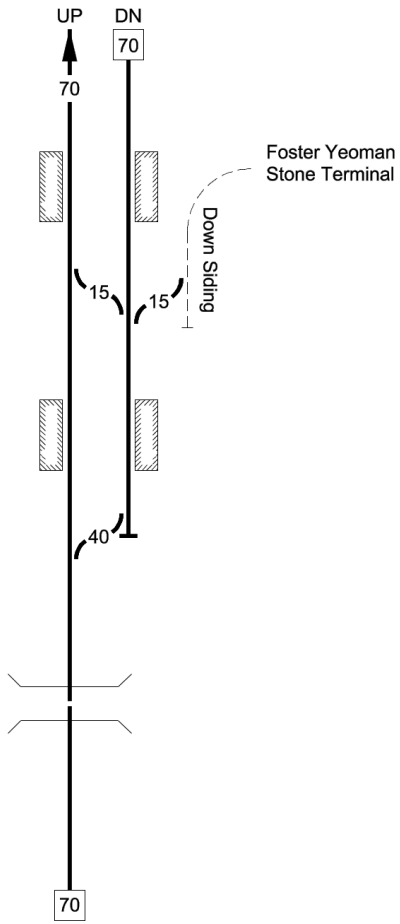
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW130	001	Eastleigh to Romsey	ECR	Wessex	06/07/2024

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
			MAXIMUM PERMISSIBLE SPEED 35/60 MPH	TCB Eastleigh SB RA8 Non Electrified GSM-R
				
	73	34		
	73	73 *		
CHANDLERS FORD	75	25		
Chandlers Ford UWC	75	40		
Crawford UWC	78	40		
Crampmoor Crossing	78	60	T	
Halterworth LC (AHBC)	79	24	T	
	79	72 *		

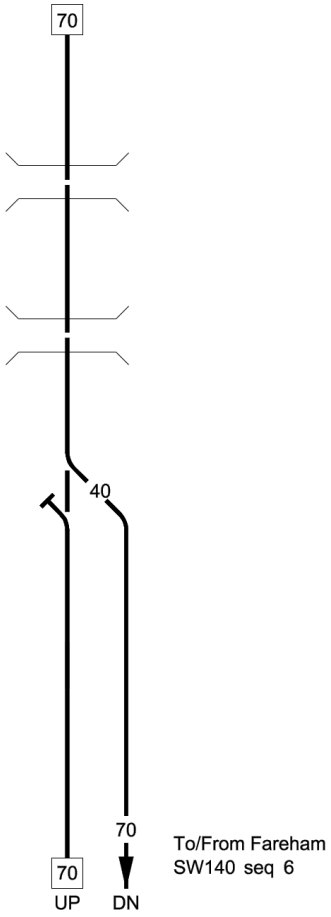
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW135	001	Eastleigh to Fareham	ETF	Wessex	30/03/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Eastleigh South Jn	74 4	MAXIMUM PERMISSIBLE SPEED 70 MPH  	GSM-R TCB Eastleigh SB (E) RA8 DC: Eastleigh 10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW135	002	Eastleigh to Fareham	ETF	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA8 DC: Eastleigh
HEDGE END	76 76		10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
BOTLEY	78 72		
Tapnage Tunnel 122 Yards	81 35 to 81 40		

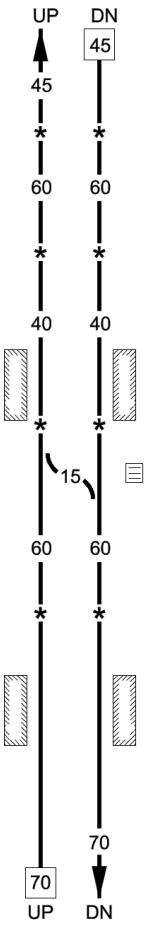
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW135	003	Eastleigh to Fareham	ETF	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Fareham No.1 Tunnel 147 Yards	83 13 to 83 20		TCB Eastleigh SB (E) RA8 DC: Eastleigh GSM-R 10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
Fareham No.2 Tunnel 553 Yards	83 21 to 83 46		

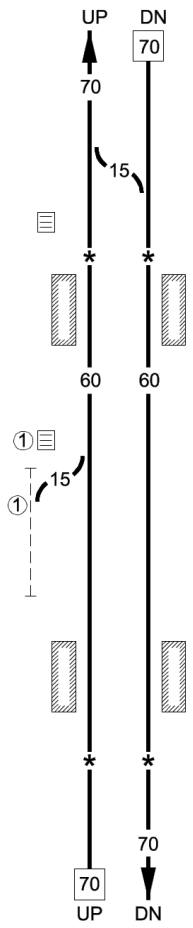
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	001	St. Denys to Portcreek Junction	SDP1	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 70 MPH	GSM-R TCB Eastleigh SB (E) RA7 DC: Eastleigh
Adelaide LC (CCTV)	1 69	To/From St.Denys SW105 seq 26 UP DN 20 20 * * 30 30	10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
Bridge No.2	2 16 * to 2 22	* * 70 70	T.O.W.S. Down and Up lines over Bridge No.2
BITTERNE	2 36		
	2 60 *	* * 45 45 UP DN	

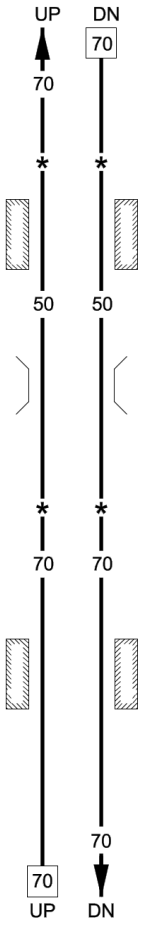
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	002	St. Denys to Portcreek Junction	SDP1	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA7 DC: Eastleigh 10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
	3 20 *		
	3 68 *		
WOOLSTON	4 11		
	4 19 *		
	4 40 *		
SHOLING	4 58		

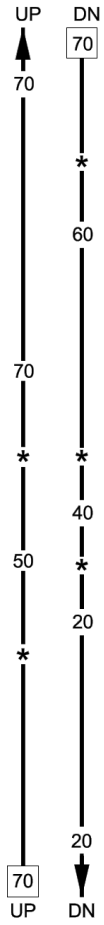
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	003	St. Denys to Portcreek Junction	SDP1	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA7 DC: Eastleigh 10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
	6 40 *		
NETLEY	6 45		
			① Siding and Ground Frame Secured out of use
HAMBLE	7 19		
	7 40 *		

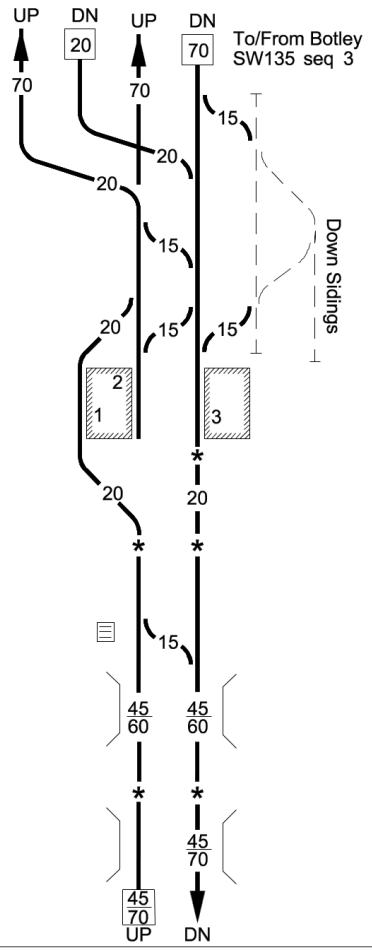
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	004	St. Denys to Portcreek Junction	SDP1	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA7 DC: Eastleigh
	8 20 *		10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
BURSLEDON	8 49		
Hamble Viaduct	8 70 to 8 79		T.O.W.S. Down and Up lines over viaduct
	9 20 *		
SWANWICK	10 50		

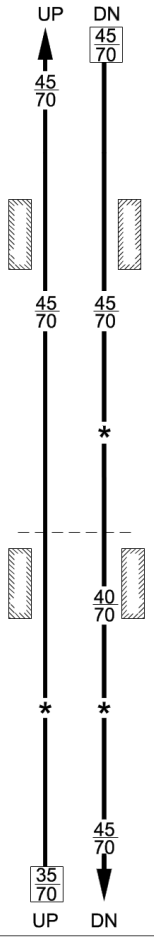
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	005	St. Denys to Portcreek Junction	SDP1	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	13 20 *		GSM-R TCB Eastleigh SB (E) RA7 DC: Eastleigh 10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
	13 60 *		
	14 00 *		
	14 15 *		
	84 10		

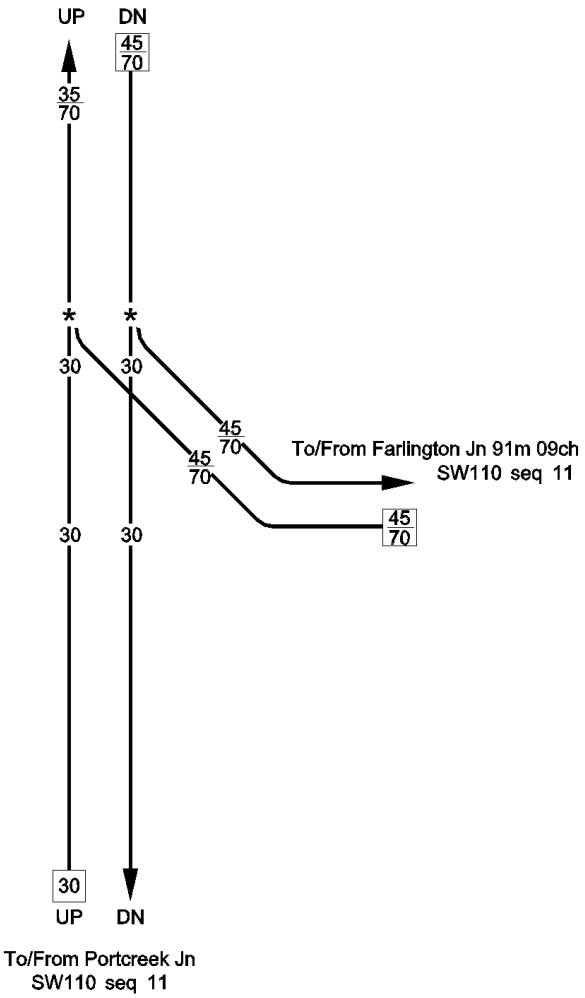
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	006	St. Denys to Portcreek Junction	SDP1 SDP2	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Eastleigh SB (E) RA7 DC: Eastleigh
			10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
FAREHAM	84 21		Permissive working authorised on Up platform line
	84 26 *		
	84 39 *		
Quay Viaduct (155 yards)	84 77 to 85 04		TCB Havant (HT) RA8
	85 23 *		
Wallngton Viaduct (242 yards)	85 32 to 85 43		Axle Counter area Up Exit 85m 16ch Down Entry 85m 16ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	007	St. Denys to Porkcreek Junction	SDP2	Wessex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh Axle Counter area 10 and 12 Car formation shall be always limited to match 2 operation from St Denys 1m 59ch SDP1 and Eastleigh South Jcn 74m 00ch ETF to Porchester Station 87m 35ch SDP2
PORTCHESTER	87 35		
	89 31 *		
Cosham LC (CCTV)	90 6		
COSHAM	90 6		
	90 16 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW140	008	St. Denys to Portcreek Junction	SDP2 FJJ	Wessex	02/05/2015

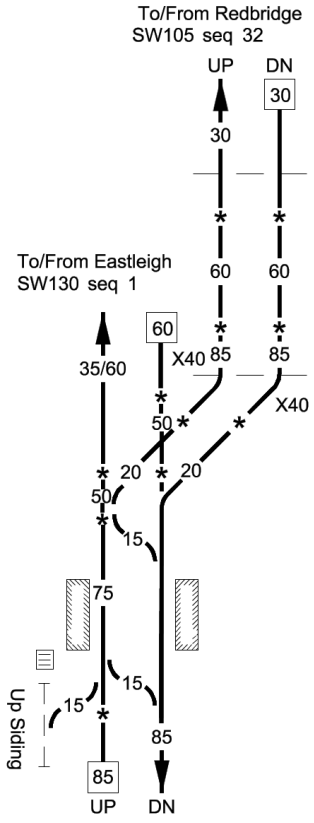
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Cosham Jn	90 43		GSM-R TCB Havant SB (HT) RA8 DC: Eastleigh Axle Counter area

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW145	001	Northam Junction to Canute Road	SOY	Wessex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 30 MPH	GSM-R
		To/From Northam Jn SW105 seq 27 30 25 25↑30↓ 15 5 Arrival/Departure Line Shunting Line To/From Northam Traincare Depot	TCB Eastleigh SB (E) RA8 DC: Eastleigh
	78 51 *	*	
Chapel Road LC (AOCL +B)	78 52	X10 X10	
Canute Road LC (AOCL)	79 2	STOP STOP To/From Eastern Docks	

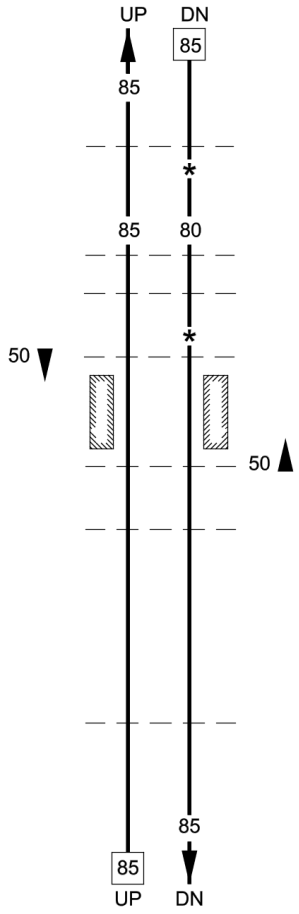
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW150	001	Redbridge to Salisbury Tunnel Junction	RTJ1 RTJ2	Wessex	18/02/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 85 MPH	TCB Eastleigh SB (E) RA8 Non Electrified GSM-R
Chandlers Crossing	23 2 T 23 13 *		
Banks Crossing (R&G-X-OMSL)	22 40 * 22 32 T 18 18 * 18 16		
ROMSEY	80 35 80 47 81 5 *		

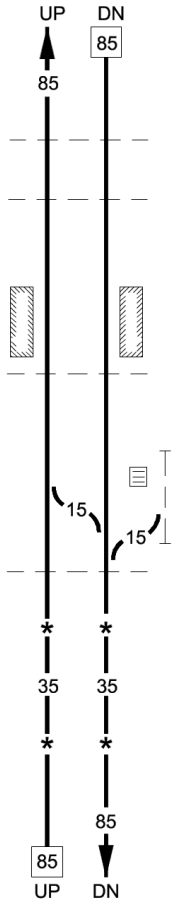


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW150	002	Redbridge to Salisbury Tunnel Junction	RTJ2	Wessex	21/10/2017

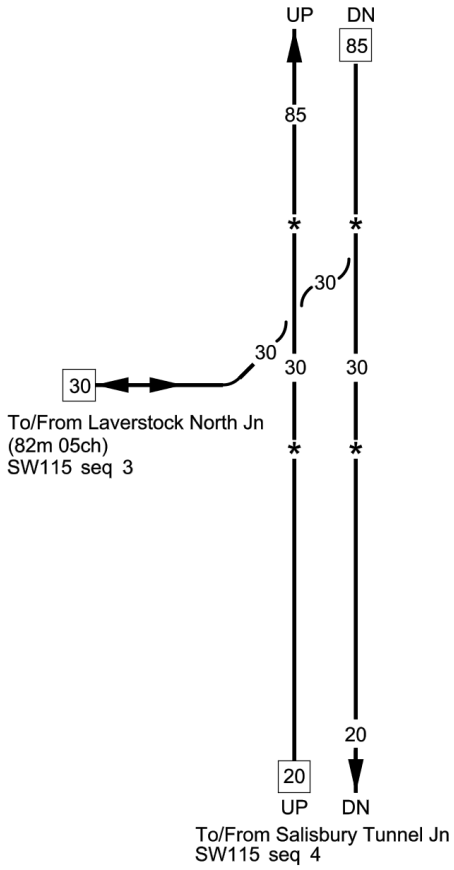
Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R
				TCB Eastleigh SB (E) RA8
Terrys Crossing	82 30	T		
	82 59	*		
Thurstons Crossing	82 60	T		
Butlers Crossing	83 5	T		
Kimbridge LC (AHBC)	83 45	* T		
DUNBRIDGE	84 21			TCB Salisbury SB (SY) RA8 Non Electrified
Dunbridge LC (AHBC)	84 24	T		
Dunbridge Crossing	84 37	T		
Dean Hill LC (MCB-OD)	86 57	T		



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW150	003	Redbridge to Salisbury Tunnel Junction	RTJ2	Wessex	03/08/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Salisbury SB (SY) RA8 Non Electrified
Bishops Crossing	86 73	T	
East Dean Crossing	87 40		
DEAN	88 10		
Dean LC (MCB-OD)	88 12	T	
East Grimstead GF	90 10		CTLP-WX-CTL-EGGF 90m 13ch
West Grimstead Crossing	90 64		
	94 70 *		
	95 20 *		

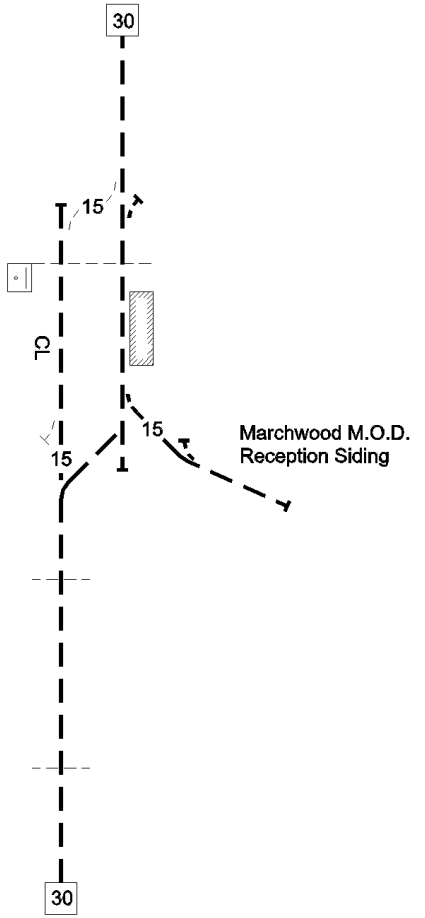
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW150	004	Redbridge to Salisbury Tunnel Junction	RTJ2 LAV	Wessex	21/10/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Laverstock South Jn	95 60 * 95 61 (82 39) 95 78 *		GSM-R TCB Salisbury SB (SY) RA8 Non Electrified Mileages shown in brackets ( ) are from Waterloo via Andover

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW155	001	Totton to Fawley (Goods Line)	TTF	Wessex	02/02/2013

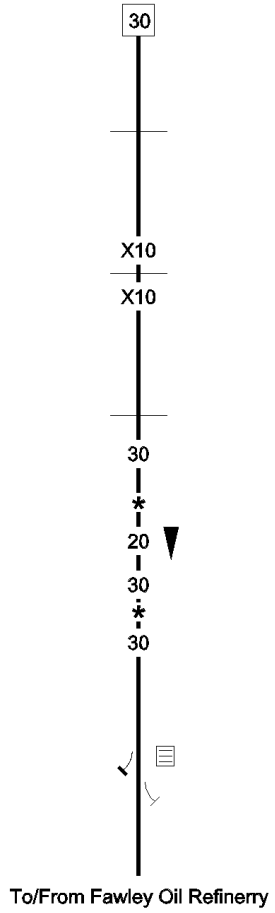
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 30 MPH	TCB Eastleigh SB (E) RA8 Non Electrified GSM-R CSR 28
		To/From Totton SW105 seq 34	
		30	
Jacobs Gutter Lane LC (AHBC)	84 12	T	
Trotts Lane LC (AHBC)	85 11	T	
Tavells Lane LC (AHBC)	85 66	T	
		30	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW155	002	Totton to Fawley (Goods Line)	TTF	Wessex	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R NO SIGNALMAN TOKEN RA8 Non Electrified
Marchwood SB (MW) LC	86 06		
MARCHWOOD	86 10		CL 1659 ft
Pumpfield Farm (R/G)	86 37	T	
Veals Lane LC (AHBC)	86 69	T	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW155	003	Totton to Fawley (Goods Line)	TTF	Wessex	07/02/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R NO SIGNALMAN TOKEN RA8 Non Electrified
West Street LC (AHBC)	88 38	T	
School Road LC	88 68		
Frost Lane LC (AHBC)	89 60	T	
	89 73 *		
	90 1 *		
Fawley GF	91 42		GSM-R Down: End of GSM-R area at 91m 40ch Up: Start of GSM-R area at 91m 40ch



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW160	001	Brockenhurst to Lymington Pier	BLP	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 60 MPH To/From Brockenhurst SW105 seq 36	GSM-R TCB Brockenhurst SB (BH) RA8 DC: Eastleigh
		45	
		45	One Train Working between BH 17 signal and Lymington Pier
	93 55 *	*	
		35	
	93 70 *	*	
		45 ▲	OTS
		60 ▼	
	94 31 *	*	
		60	
	95 73 *	*	
		50	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW160	002	Brockenhurst to Lymington Pier	BLP	Wessex	07/04/2014

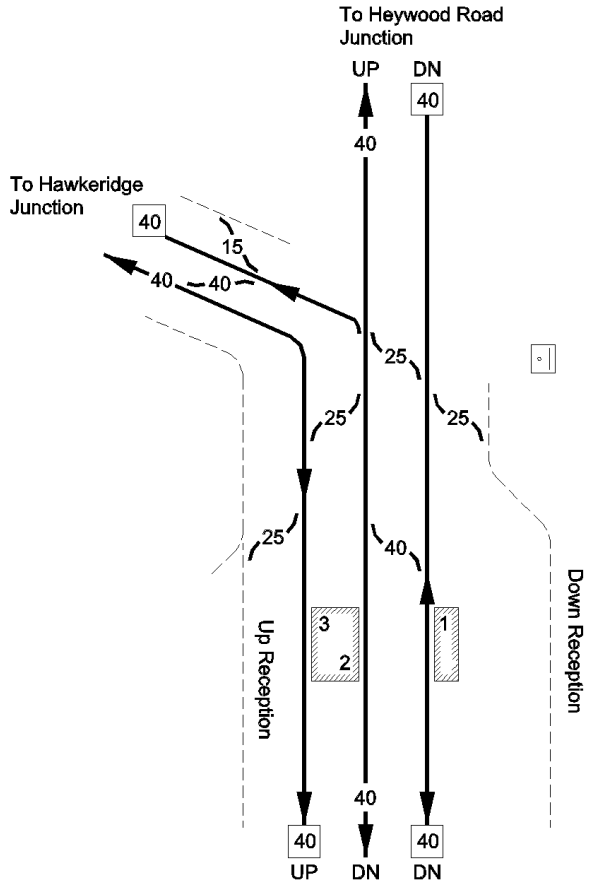
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
				50	TCB Brockenhurst SB (BH) RA8 DC: Eastleigh GSM-R
AMPRESS WORKS (Private)	96	61			
	97	47	*	50 *	
Lymington Town LC (CCTV)	97	57			
LYMINGTON TOWN	97	57			
				20	
Lymington Pier (Sealink) Crossing	98	5		T	
LYMINGTON PIER	98	15			

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW165	001	Hamworthy to Hamworthy Goods (Goods Line)	HAG	Wessex	13/02/2021

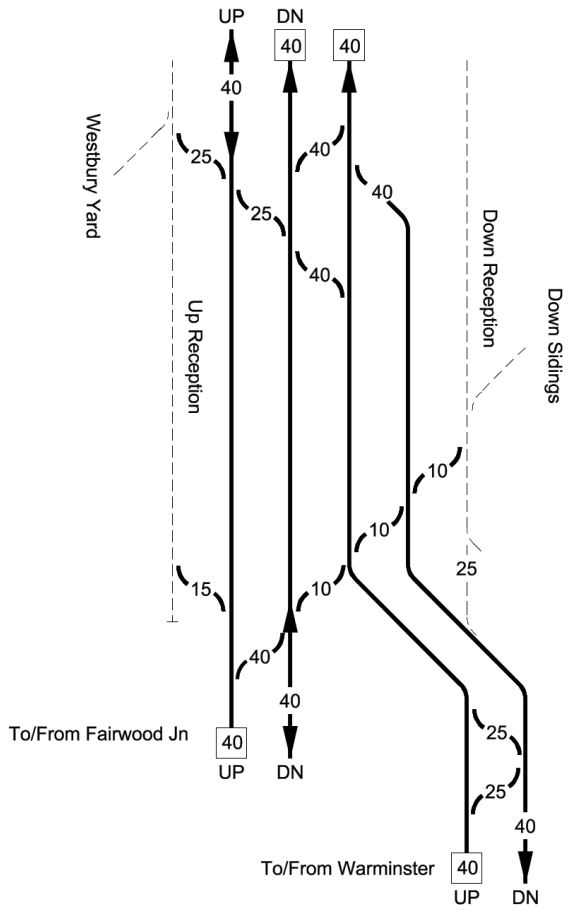
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
			MAXIMUM PERMISSIBLE SPEED 20 MPH To/From Hamworthy SW105 seq 43 20	GSM-R TCB RA8 AXLE COUNTERS AWS not provided
Hamworthy Park LC (AOCL)	117	20	X10 X10	
Hamworthy Goods (Stop board)	118	5	To/From Hamworthy Quay	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW170	001	Westbury to Wilton Junction	SWY WEY	Wessex	02/02/2013

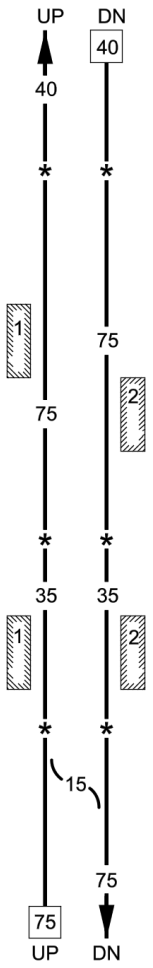
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Westbury North Jn	95 37	MAXIMUM PERMISSIBLE SPEED 75 MPH	TCB Westbury SB (W) RA8 Non Electrified GSM-R CSR 12
	109 54		
WESTBURY	109 64		Permissive working authorised for Class 1, 2, 5, 0 and parcels trains on all platforms Permissive working authorised for Class 3 to 8 and 0 trains on Up and Down reception lines



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW170	002	Westbury to Wilton Junction	WEY	Wessex	11/02/2023

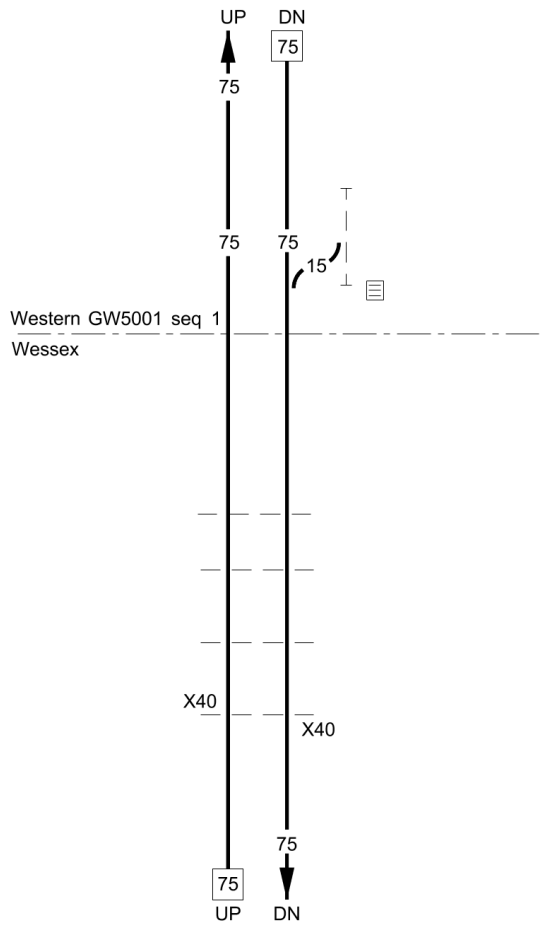
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Westbury South Jn	110 7 110 42		GSM-R TCB Westbury SB (W) RA8 Permissive working authorised for Class 3 to 8 and 0 trains on Up and Down reception lines

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW170	003	Westbury to Wilton Junction	SAL	Wessex	27/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Westbury SB (W) RA8
	110 28 *		
DILTON MARSH	111 11		
	114 33 *		
WARMINSTER	114 37		
	114 40 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW170	004	Westbury to Wilton Junction	SAL	Wessex	15/09/2020

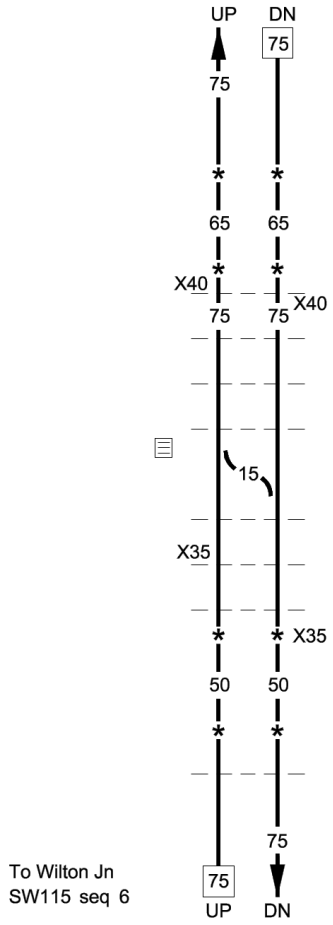
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB Westbury SB (W) RA8
Beechgrove GF	115	27		
Territory Boundary	115	40	Western GW5001 seq 1 Wessex	Salisbury SB (SY)
Corton Steps Crossing	119	41		
Upton Lovell LC (AHBC)	119	70	T	
Codford LC (AHBC)	120	45	T	
Sherrington Crossing (R&G-X-CMSL)	121	2	T	



GSM-R

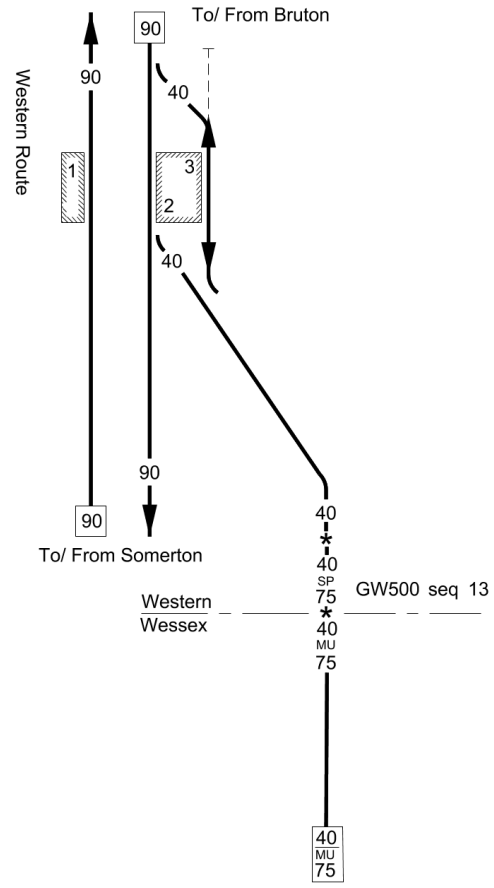
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW170	005	Westbury to Wilton Junction	SAL	Wessex	03/08/2024

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Salisbury SB (SY) RA8
	121	20	*		
	121	40	*		
Stockton Crossing LC (R&G-X-OMSL)	122	39		T	OMSL - See General Instruction
Tyning LC	122	75		T	
Middle Road Crossing	123	36		T	
Townsend Crossing	124	12		T	
Wylye LC (AHBC)	124	41		T	Level Crossing also in this area:- Helyers Farm Footpath 126m 76ch
Hindon Road Crossing	125	29		T	
Eton College Road (R&G-X-OMSL)	125	38		T	CTLP-WX-CTL-LLLC 126m 54ch CTLP-WX-CTL-GTWSH 128m 18ch
	128	38	*		
	129	20	*		
Couston Bottom Crossing	130	16		T	CTLP-WX-CTL-WILTN 131m 53ch FWS Down line 132m 10ch to Jn

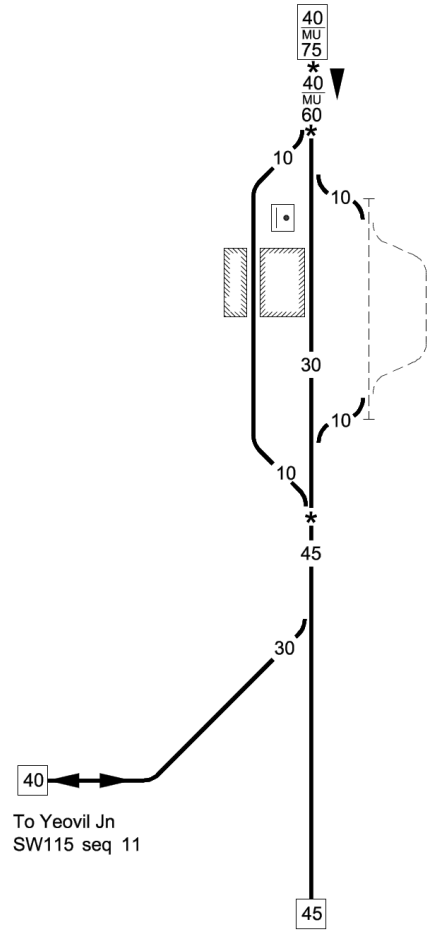


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW175	001	Castle Cary to Dorchester Junction	WEY	Wessex	15/06/2022

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
CASTLE CARY	129	45		MAXIMUM PERMISSIBLE SPEED 75 MPH	GSM-R
Castle Cary Jn	129	50			TCB Westbury SB (W) RA6 Non Electrified
	129	65	*		Other User Worked Crossing in this area.
Territory Boundary	130	00	*		Clanville No.2 (Footpath) 130m 07ch Buckles (Footpath) 130m 22ch Dimmer (Footpath) 130m 43ch Cockhill (Footpath) 130m 61ch Higher Thorn (Footpath) 132m 00ch Lower Thorne (Footpath) 132m 48ch Sparkford Sawmills (Footpath) 134m 07ch
Thorney Marsh Lane UWC(R&G-OMSL)	132	6		T	Barrow (Footpath) 134m 48ch Queen Camel (Footpath) 134m 68ch Camel (Footpath) 135m 16ch Sutton (Footpath) 135m 48ch Lambrook (Footpath) 136m 41ch Rimpton (Footpath) 137m 16ch Adber No.1 (Footpath) 138m 06ch
Sparkford Emergency Telephone	134	29		T	OMSL - See General Instruction
Marston Magna Emergency Telephone	137	00		T	



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW175	002	Castle Cary to Dorchester Junction	WEY	Wessex	23/12/2023

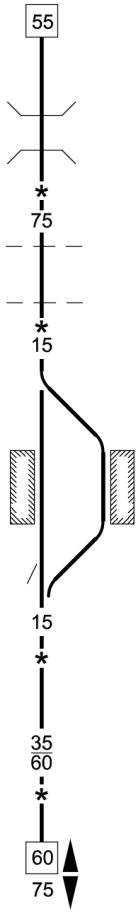
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	140 26 *		GSM-R no signalman token with remote loops RA6 Non Electrified 40 MU 60 mph in the **down** direction only between 140m 26ch and 141m 05 ch
	141 05 *		
Yeovil Pen Mill SB (YPM)			
YEOVIL PEN MILL	141 22		
	141 35 *		CTLP-WX-CTL-YVCP 141m 34ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW175	003	Castle Cary to Dorchester Junction	WEY	Wessex	24/04/2021

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
				45	GSM-R no signalman token with remote loops RA6 Non Electrified
Thornford Bridge Crossing	144	24	T		Other user worked crossings in this area.
THORNFORD	144	35			Bradford Abbas (Footpath) 143m 36ch Yetminster (Footpath)145m 18ch 145m 18ch Winterhays (Footpath) 146m 32ch Bubdown Lane (Footpath) 147m 68ch Melbury Bubb Down Farm (Footpath) 148m 60ch Woolcombe Bank (Footpath) 148m 60ch
	144	63	T	45	
YETMINSTER	145	46		X ①	
	145	50	*	*	
				X ②	
	145	70	T	75	X ① 145m 14ch and 145m 43ch Bridge WEY/E30/151 at 145m 42ch Freight Traffic RA6, 7, 8 20mph
Meads Farm Crossing	146	16	T		
Pound Lane Crossing	147	10	T		
CHETNOLE	147	50			X ② 145m 53ch and 145m 55ch Bridge WEY/E30/154 at 145m 54ch Freight Traffic RA6, 7, 8 20mph Until further notice
	149	30	*	*	
				55	
				55	

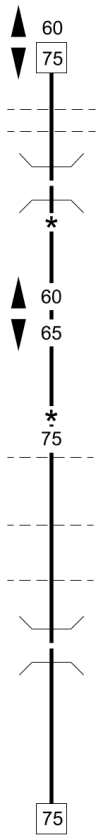
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW175	004	Castle Cary to Dorchester Junction	WEY	Wessex	04/08/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			no signalman token with remote loops RA6 Non Electrified
Evershot Tunnel 308 Yards	149 49 to 149 63		
	149 70 *		
Burl Farm (UWC)	150 20		
Hunter (UWC)	151 56		
	153 74 *		
MAIDEN NEWTON	154 12		15 mph through station and over point work CL 1344 ft
			TB Dorchester South SB RA6
	154 33 *		
	154 65 *		

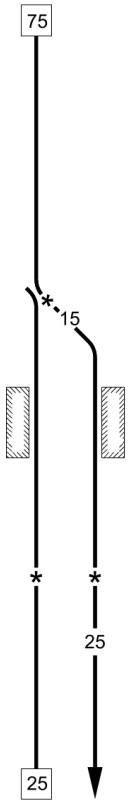


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW175	005	Castle Cary to Dorchester Junction	WEY	Wessex	24/04/2021

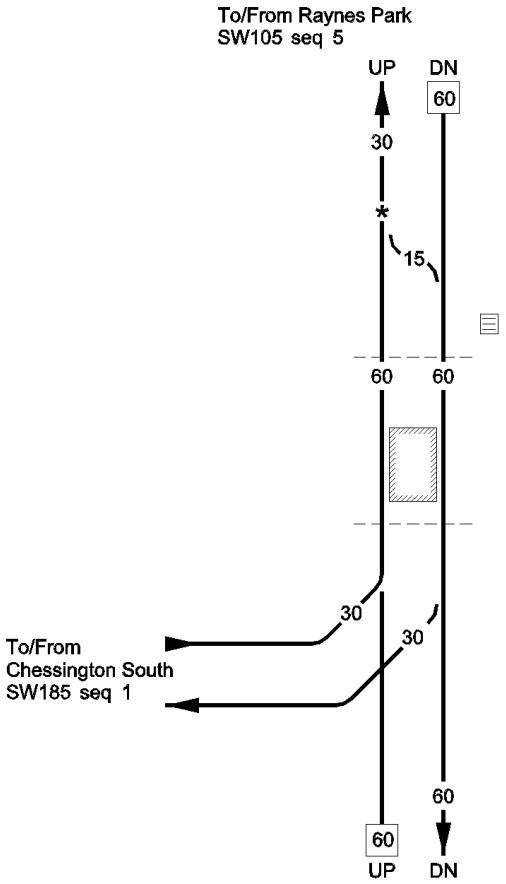
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TB Dorchester South SB (DR) RA6 Non Electrified
Crockway Crossing	155 58	T	
Hyde (UWC)	155 78		
Grimston and Frampton	156 70		
661 Yards	to		
	157 20 *		
	158 20 *		
Stratton No.1 (UWC)	158 21		
Chicks Farm Crossing	158 33	T	
Chicks Farm Foot (UWC)	158 50		
Poundbury Tunnel	161 3		
267 Yards	to		
	161 15		



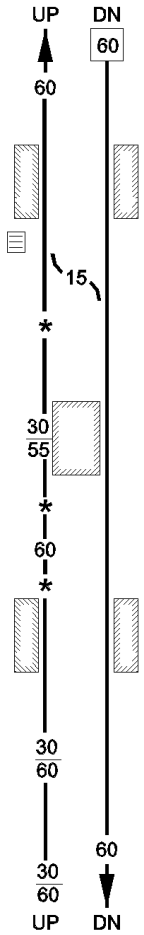
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW175	006	Castle Cary to Dorchester Junction	WEY	Wessex	24/04/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TB Dorchester South SB (DR) RA6 Non Electrified GSM-R
	161 50 *		
DORCHESTER WEST	161 63		
	162 00 *		
Dorchester Jn	162 14 (136 15)		

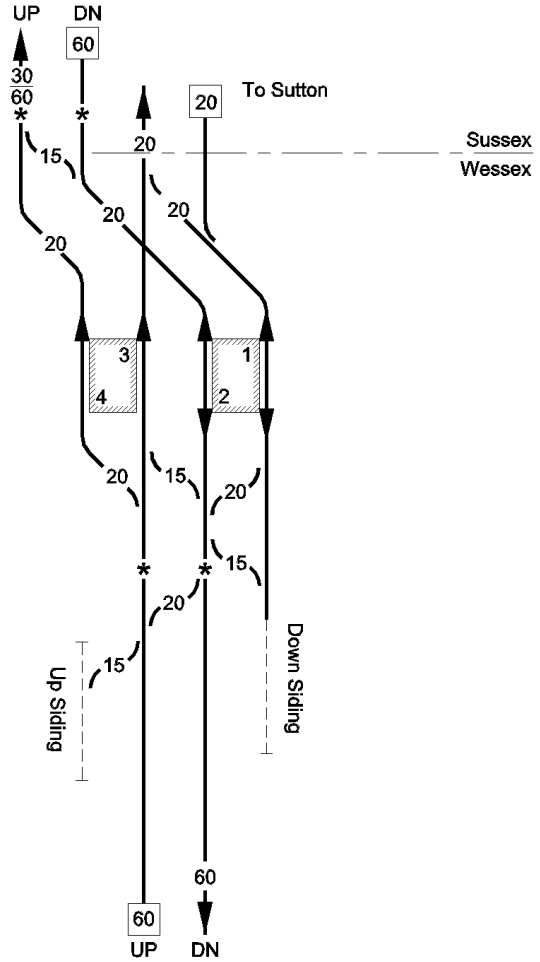
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	001	Raynes Park to Horsham	RPE MPC	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		RAYNES PARK AND LEATHERHEAD MAXIMUM PERMISSIBLE SPEED 60 MPH LEATHERHEAD AND HORSHAM MAXIMUM PERMISSIBLE SPEED 75 MPH	GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
	09 00 *		
West Barnes LC (CCTV)	09 18		
MOTSPUR PARK	09 57		
Motspur Park LC (CCTV)	09 57		

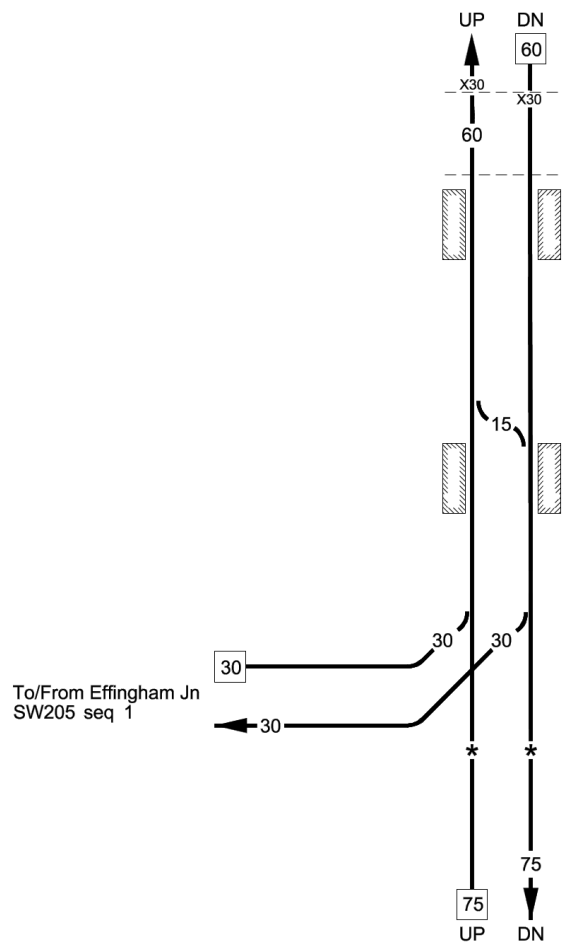
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	002	Raynes Park to Horsham	RPE	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
WORCESTER PARK	10 53		
	11 20		
STONELEIGH	11 74		
	12 05		
	12 68		
EWELL WEST	12 78		

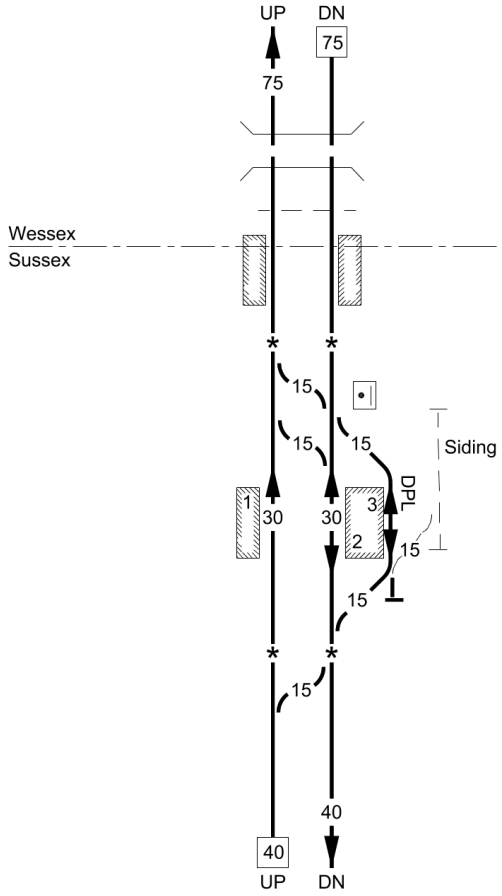
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	003	Raynes Park to Horsham	RPE BTH3	Wessex	02/04/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Route Boundary	13 67 *		GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park CSR 98 Down: Start of CSR coverage at 13m 67ch Up: End of CSR coverage at 13m 67ch
EPSOM	14 18		

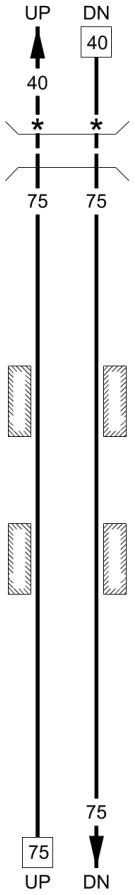
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	004	Raynes Park to Horsham	BTH3 LEJ	Wessex	10/02/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Lady Howard UI (BW) (R&G-X-OMSL)	15 44		GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
Ashtead LC (CCTV)	16 19		
ASHTEAD	16 19		
LEATHERHEAD	18 02		
	18 20 *		

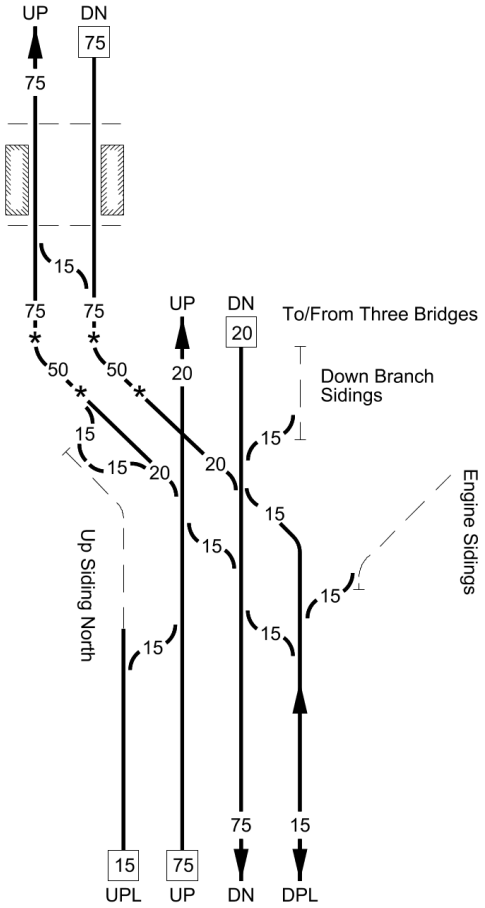
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	005	Raynes Park to Horsham	BTH3	Wessex	14/08/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Dorking SB (CBK) RA8 DC: Brighton
Mickleham Tunnel 524 Yards	19 55 to 19 78		
Mickleham F/P Crossing	20 14		
Route Boundary	21 09		
BOX HILL & WESTHUMBLE	21 14		
Dorking SB (CBK)	22 08		
DORKING	22 08		Permissive working authorised on DPL (both directions), Down Main platform line (both directions) and Up Main platform DPL 777 ft
	22 15 *		

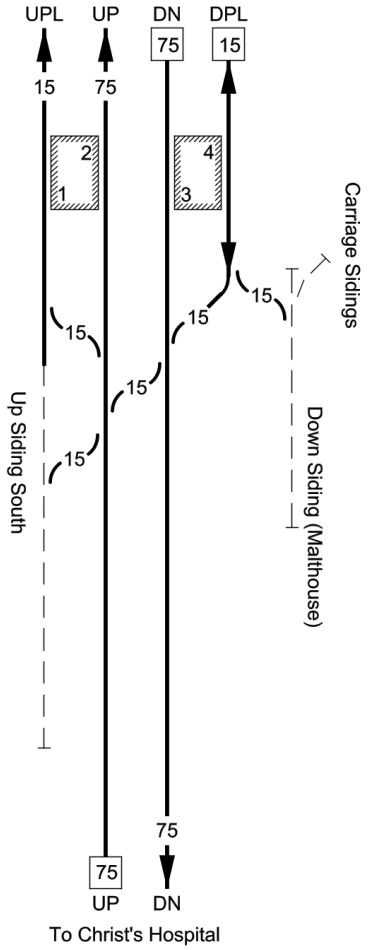
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	006	Raynes Park to Horsham	BTH3	Wessex	29/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Dorking SB (CBK) RA8 DC: Brighton
Betchworth Tunnel 384 Yards	22 60 * to 22 73		
Stonebridge TP Hut	23 50		
Blackbrook Substation	25 30		Three Bridges ASC (T) Panel 7A
			Level Crossings in this area:- Lodge Farm F/P 25m 39ch Swans Copse F/P 26m 43ch Bregsells F/P 26m 60ch Watneys F/P 27m 39ch Trout Farm Steps F/P 27m 54ch Stylehurst Brwy 29m 65ch Sour Meadow F/P 31m 44ch
OCKLEY	29 20		
Tipholm TP Hut	30 30		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	007	Raynes Park to Horsham	BTH3 TBH1	Wessex	29/08/2022

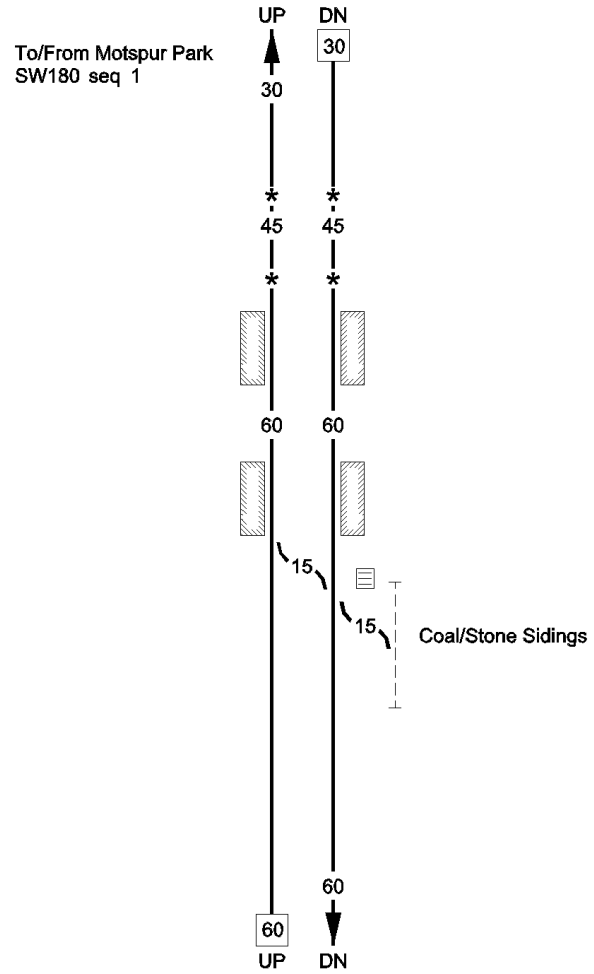
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Kingsfold Substation	32 00		GSM-R TCB Three Bridges ASC (T) Panel 7A RA8 DC: Brighton
Kingsfold Cross	32 06		
WARNHAM	33 46		
Warnham Station Road LC (R/G)	33 50		Three Bridges ASC (T) Panel 7B
Warnham TP Hut	33 55		Level Crossings in this area:-
	35 08 *		Kingsfold F/P 32m 03ch
	35 36 *		Kingsfold Occupation 32m 07ch
			Gun Barn Bridleway 32m 57ch
			Brickyard F/P 33m 34ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW180	008	Raynes Park to Horsham	TBH1	Wessex	17/02/2018

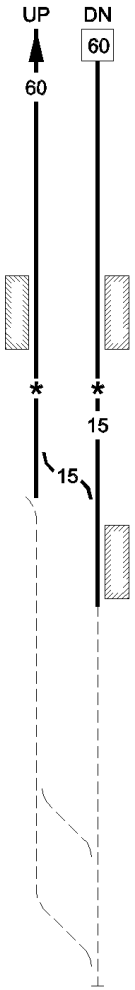
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
HORSHAM	37 57		GSM-R AB Three Bridges SB (T) RA8 DC: Brighton Permissive working authorised on DPL (both directions), Down and Up Main platform lines and UPL DPL 735 ft UPL 735 ft

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW185	001	Motspur Park to Chessington South	MPC	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 60 MPH	GSM-R
			TCB Wimbledon SB (W) RA8 DC Raynes Park
	10 15 *		
	10 46 *		
MALDEN MANOR	11 05		
TOLWORTH	12 06		

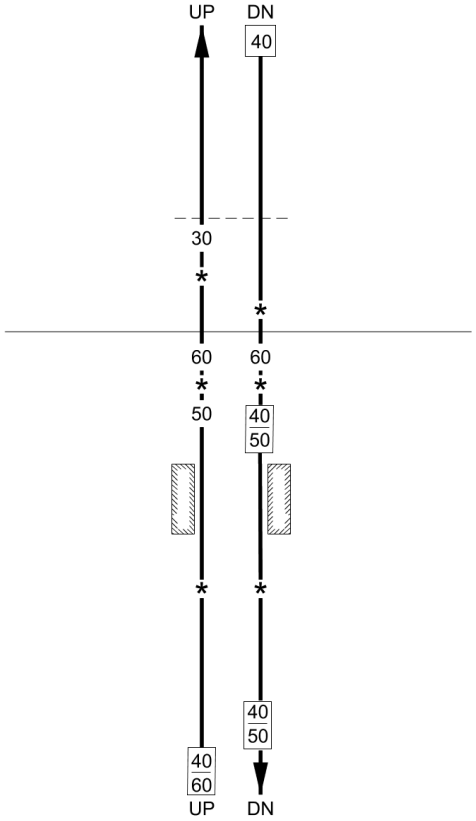


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW185	002	Motspur Park to Chessington South	MPC	Wessex	07/04/2014

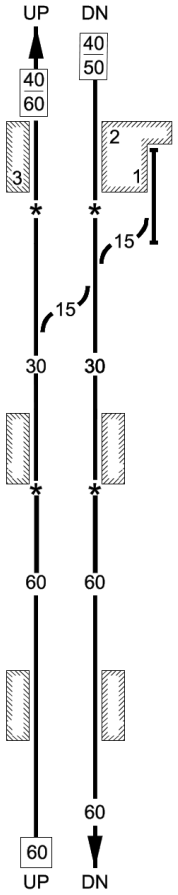
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CHESSINGTON NORTH	13 25		GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
	13 60		
CHESSINGTON SOUTH	13 73		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW190	001	New Malden to Shepperton	NMS1	Wessex	21/08/2021

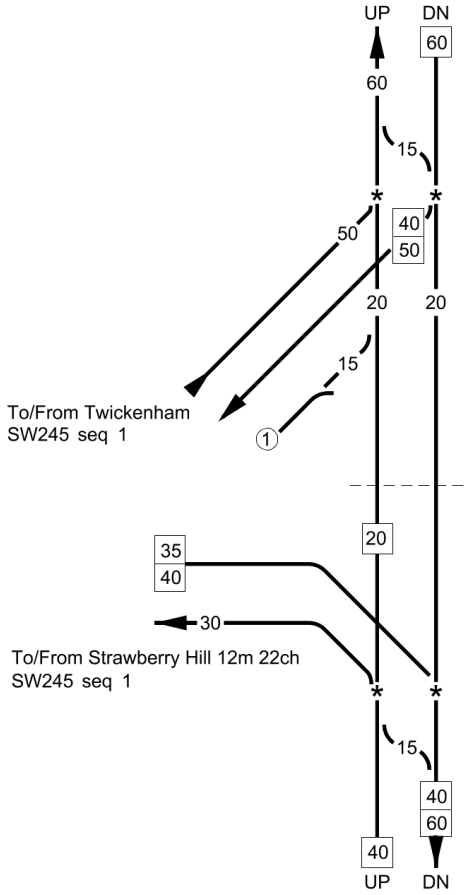
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 60 MPH To/From New Malden SW105 seq 6	GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
Malden Crossing LC (CCTV)	10 18 *		
	10 22 *		
	10 40 *		AC Bassingstoke ROC (BEF) RA8 DC: Raynes Park
	11 15 *		Differential Speed Restriction
NORBITON	11 24		
	11 40 *		Basingstoke ROC (S Hill) Workstation 1
			Differential Speed Restriction



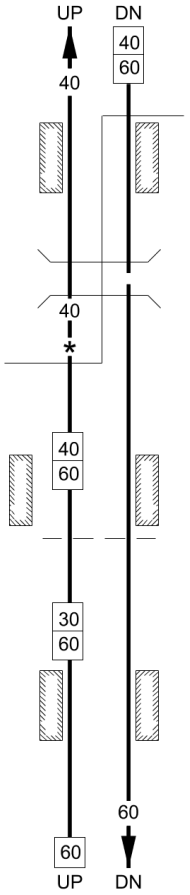
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW190	002	New Malden to Shepperton	NMS1	Wessex	11/05/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
KINGSTON	12 9 *		AC Basingstoke ROC (BEF) RA8 DC: Raynes Park GSM-R Platform 3 PP
HAMPTON WICK	12 44 *		
TEDDINGTON	13 54		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW190	003	New Malden to Shepperton	NMS1 SHF TSJ	Wessex	01/05/2021

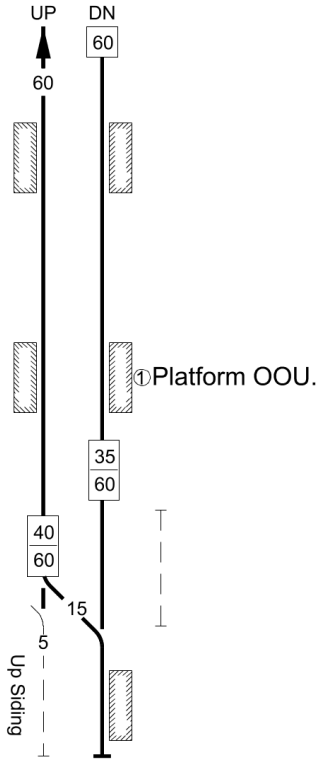
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			AC Basingstoke ROC (BEF) RA8 DC: Raynes Park
Shacklegate Jn	14 29 *		Differential Speed Restriction
			1 To Carriage Sidings
Staff Crossing	14 20		Differential Speed Restriction
Fulwell Jn	14 53 *		Differential Speed Restriction
	12 56		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW190	004	New Malden to Shepperton	NMS2	Wessex	24/04/2021

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park
					Differential Speed Restriction
FULWELL	12	75	*		
					AC Basingstoke ROC (BEF) RA8 DC: Raynes Park
Fulwell Tunnel 62 Yards	13	03			
	13	06			
	13	10	*		
					Differential Speed Restriction
HAMPTON	14	47	*		
Hampton LC (CCTV)	14	57			
					Differential Speed Restriction
KEMPTON PARK	16	28			

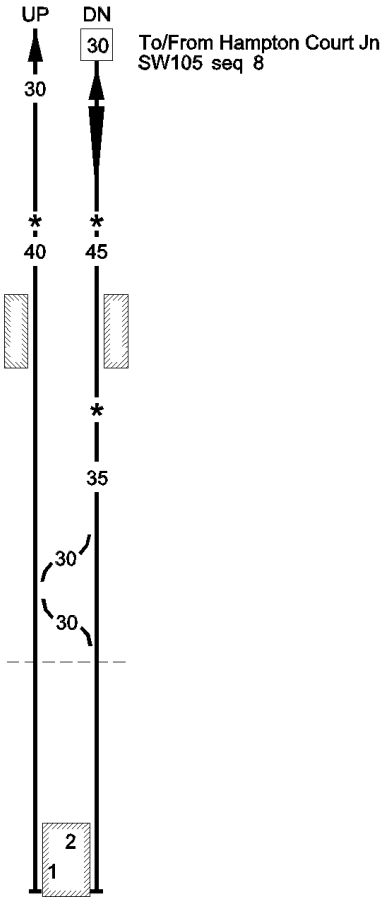
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW190	005	New Malden to Shepperton	NMS2	Wessex	15/05/2021

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R AC Basingstoke ROC (BEF) RA8 DC: Raynes Park
SUNBURY	16	64		
UPPER HALLIFORD	17	34	①Platform OOU.	①Upper Halliford station Platform 2, Down Shepperton line temporarily Out of Use (OOU) for station works
				Differential Speed Restriction
				Differential Speed Restriction
SHEPPERTON	18	73		

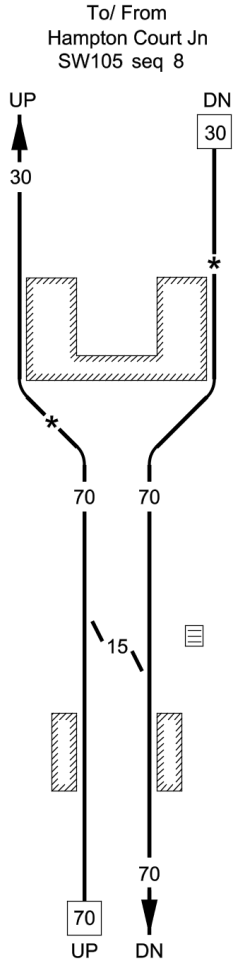


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW195	001	Hampton Court Junction to Hampton Court	HAM	Wessex	07/04/2014

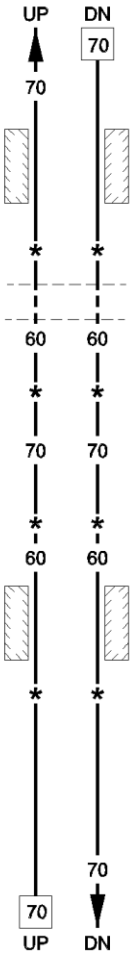
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED ON DOWN LINE 45 MPH MAXIMUM PERMISSIBLE SPEED ON UP LINE 40 MPH	GSM-R TCB Woking SB (WK) RA8 / 4 ① DC: Raynes Park ① RA4 Up Line RA8 Down Line
	13 60 *		
THAMES DITTON	14 01		Patrolman's Lock Out Device (PLOD) between Surbiton (platform 4) and Hampton Court level crossing for the Down line
	14 32 *		
Hampton Court LC (CCTV)	14 51		
HAMPTON COURT	14 76		Platforms 1 & 2 PP-A



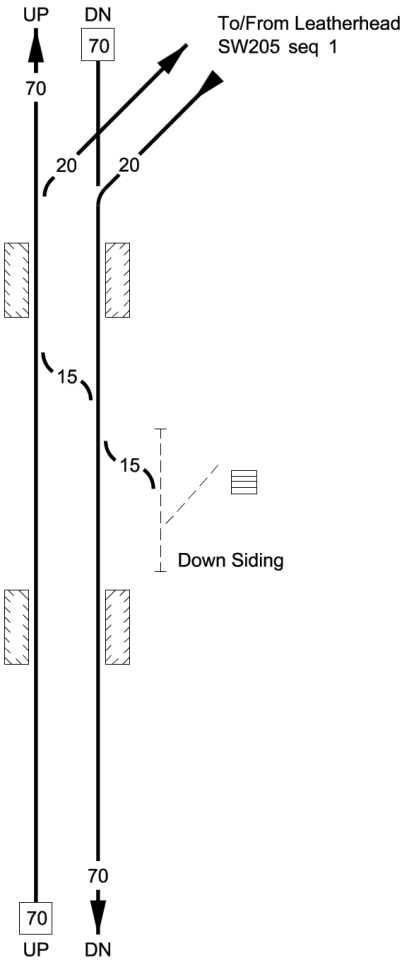
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW200	001	Hampton Court Junction to Guildford (via Cobham)	NGL	Wessex	01/12/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 70 MPH	GSM-R TCB Woking SB (WK) RA8 DC: Raynes Park
Hampton Court Jn	13 47		
	13 47 *		
HINCHLEY WOOD	14 04		
	14 13 *		
CLAYGATE	15 11		

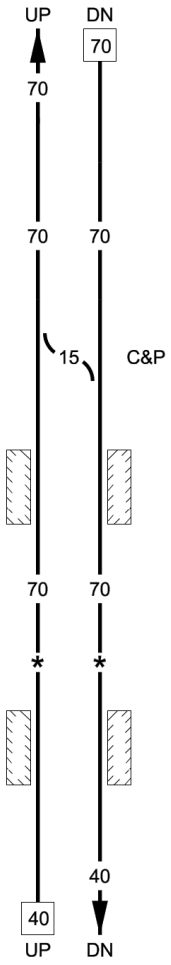
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW200	002	Hampton Court Junction to Guildford (via Cobham)	NGL	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Woking SB (WK) RA8 DC: Raynes Park GSM-R
OXSHOTT	16 79		
	17 26 *		
Cooks LC (CCTV)	17 39		
Polyapes (UWC)	17 57		
	18 10 *		
COBHAM AND STOKE D'ABERNON	18 63		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW200	003	Hampton Court Junction to Guildford (via Cobham)	NGL LEJ	Wessex	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Guildford SB (GD) RA8 DC: Raynes Park
Effingham Jn	21 04		
EFFINGHAM JUNCTION	21 10		
Down Siding	21 14		Effingham Junction Depot
HORSLEY	22 16		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW200	004	Hampton Court Junction to Guildford (via Cobham)	NGL	Wessex	04/11/2023

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB Guildford SB (GD) RA8 DC: Raynes Park GSM-R
CLANDON	25	26		
	28	18 *		
LONDON ROAD	28	47		

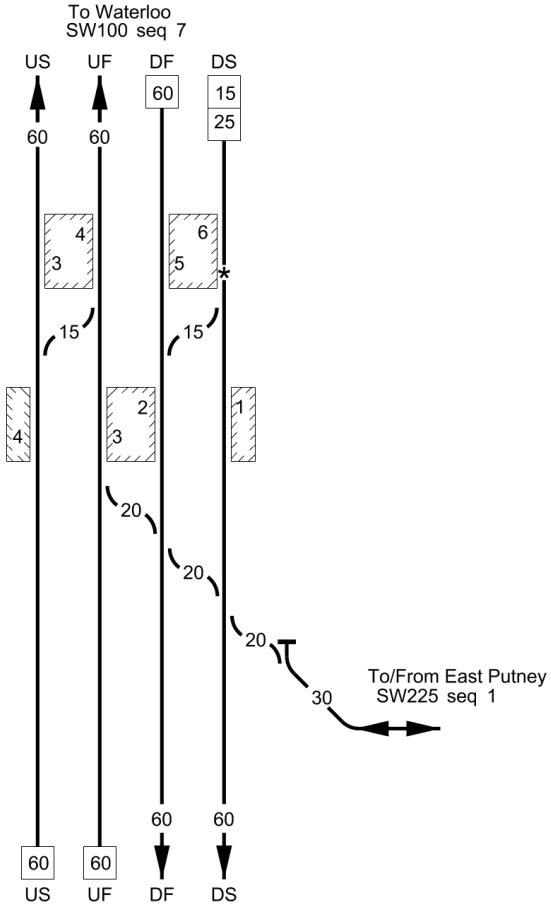
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW200	005	Hampton Court Junction to Guildford (via Cobham)	NGL	Wessex	02/05/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		UP 40 / DN 40	GSM-R TCB Guildford SB (GD) RA8 DC: Raynes Park
	28 59 *	* *	
		30 30	
(Guildford)	29 70	30 UP / DN 30 To/From Guildford SW110 seq 2	

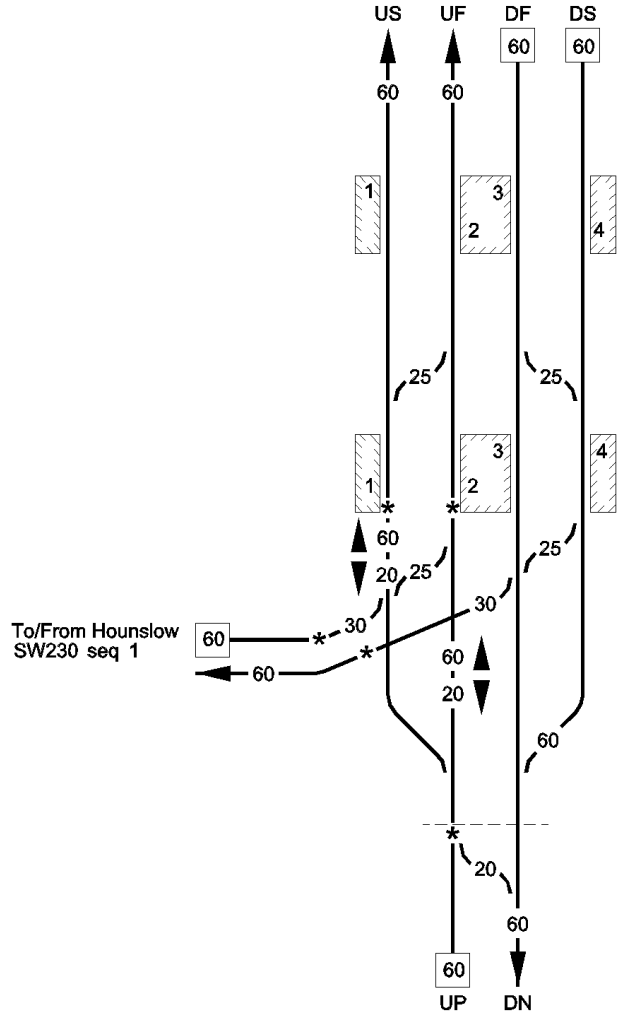
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW205	001	Leatherhead to Effingham Junction	LEJ	Wessex	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 70 MPH	GSM-R
		To/From Leatherhead SW180 seq 4	TCB Guildford SB (GD) RA8 DC: Raynes Park
		UP 30 / DN 30	
	18 37 *	* *	
		30/55	
	19 08 *	*	
Bookham Tunnel (91 Yards)	20 31 to 20 35		
		70 70	
	20 39 *	*	
	20 40 *	*	
		40 40	
BOOKHAM	20 45		
	20 54 *	* *	
		50 50	
Bethell's Crossing	21 20		
	21 65 *	* *	CTLP-WX-CTL-EJSS 22m 09ch
		40 40	
	22 10 *	* *	
Effingham Jn	22 15		
	21 04	20	
		20	
		UP DN	
		To/From Effingham Jn SW200 seq 3	

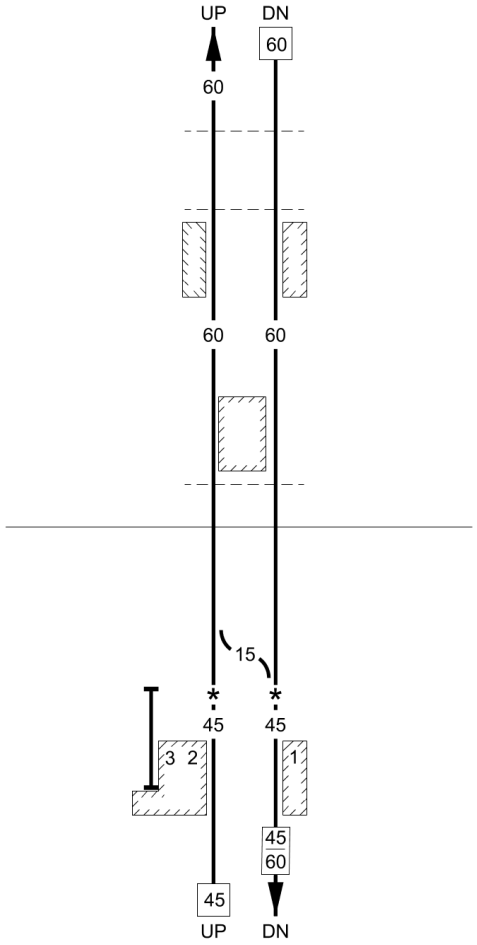
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	001	Clapham Junction to Reading	RDG1 PPW	Wessex	19/04/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		CLAPHAM JUNCTION AND FELTHAM JUNCTION MAXIMUM PERMISSIBLE SPEED 60 MPH FELTHAM JUNCTION AND READING MAXIMUM PERMISSIBLE SPEED 70 MPH	GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
CLAPHAM JUNCTION	3 74 3 75		Southern Region Two-Thirds Rule does not apply between Staines and Workingham between 19m 02ch and 32m 58ch on the Down Twickenham Twickenham and 19m 02ch and 36m 17ch on the Up Twickenham
WANDSWORTH TOWN	4 60		
Point Pleasant Jn	5 09		

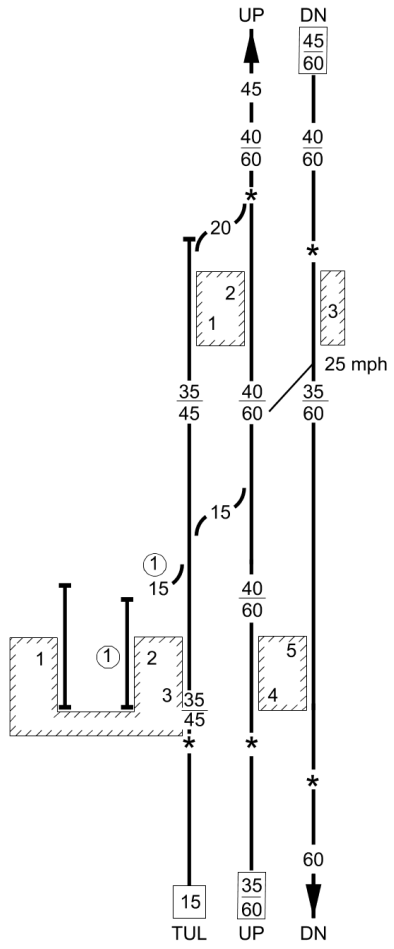
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	002	Clapham Junction to Reading	RDG1 HOU	Wessex	10/05/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
PUTNEY	5 72		TCB Wimbledon SB (W) RA8 DC: Raynes Park GSM-R
BARNES	7 07		
Vine Road Barnes (Richmond Line) LC (CCTV)	7 26		

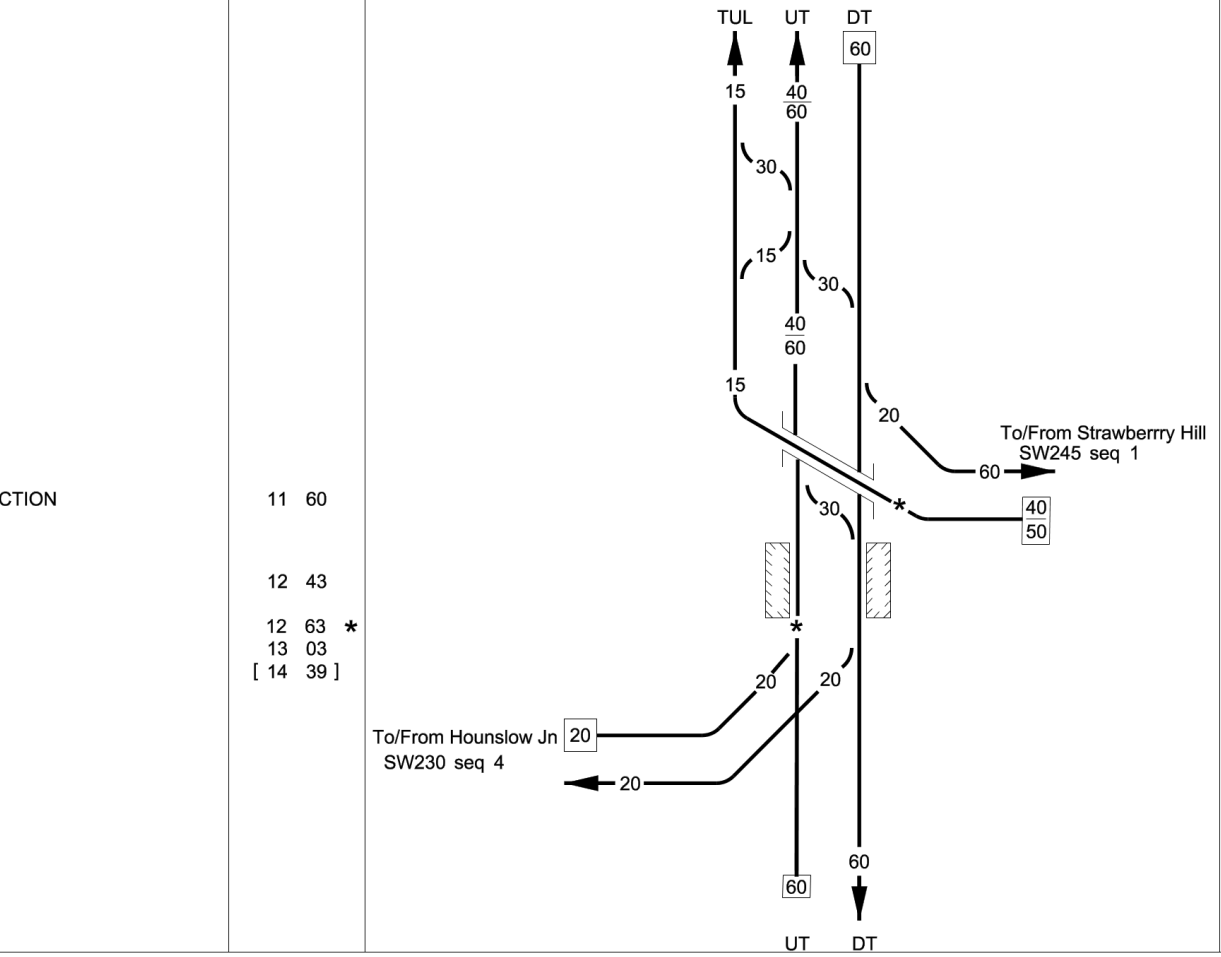
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	003	Clapham Junction to Reading	RDG1	Wessex	21/08/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
White Hart LC (CCTV)	7 52		
Mortlake LC (CCTV)	8 21		
MORTLAKE	8 21		
NORTH SHEEN	9 03		
North Sheen LC (CCTV)	9 12		AC Bassingstoke ROC (BEF) RA8 DC: Raynes Park
	9 50 *		
RICHMOND	9 57		Basingstoke ROC Workstation 1

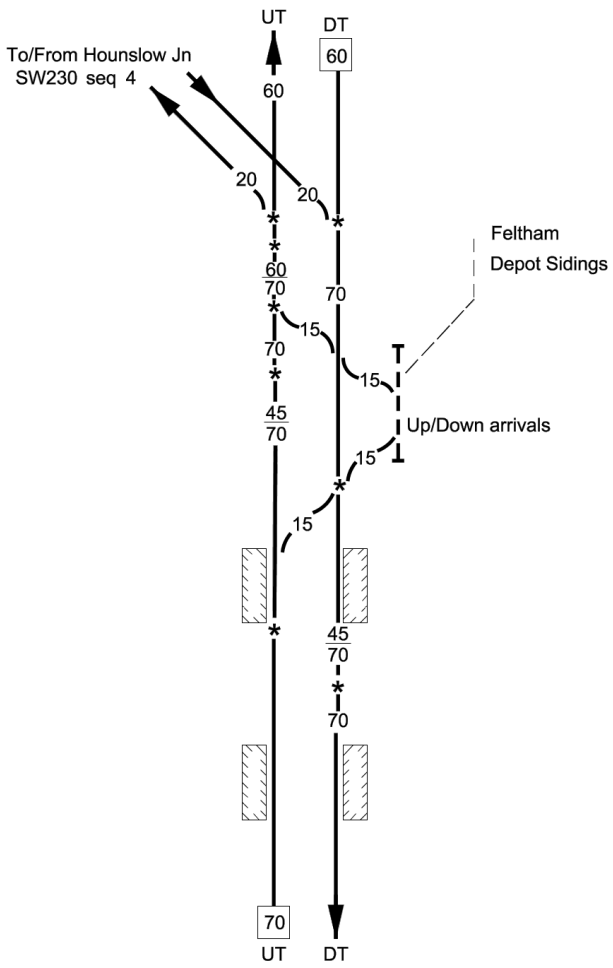
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	004	Clapham Junction to Reading	RDG1	Wessex	21/08/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R AC Basingstoke ROC (BEF) RA8 DC: Raynes Park
			Differential Speed Restriction
	10 20 *		
	10 55 *		
	10 58 *		
ST MARGARETS	10 66		
	10 74		Differential Speed Restriction
	11 12		
			① Out of use Platform 2 PP
TWICKENHAM	11 22 *		Differential Speed Restriction
	11 27 *		
Twickenham Up Loop			Differential Speed Restriction

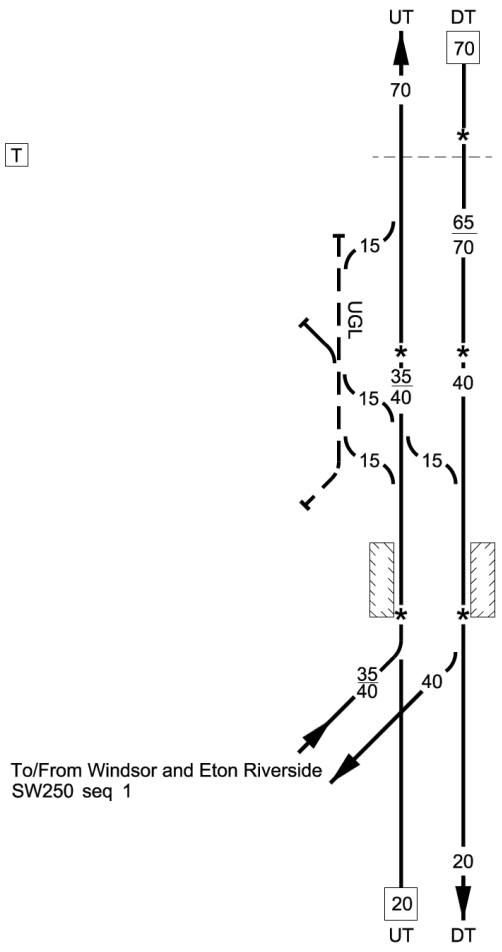
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	005	Clapham Junction to Reading	RDG1 TSJ HJW	Wessex	02/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
STOOP JUNCTION	11 60		TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park GSM-R Basingstoke ROC Strawberry hill Workstation1 Differential Speed Restriction Mileages in brackets [ ] apply between Whitton Jn. and Hounslow Jn. Basingstoke ROC Staines Workstation 2
WHITTON	12 43		
Whitton Jn	12 63 * 13 03 [14 39]		

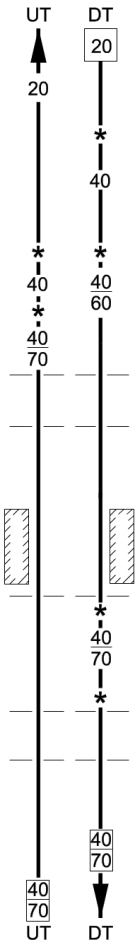
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	006	Clapham Junction to Reading	HOU RDG1	Wessex	02/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Feltham Jn	13 35 *		GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park
	13 39 *		
	14 11 *		
	14 43 *		Up/Down arrivals Operational length Metres: 527 Feet 1729
	14 60 *		
FELTHAM	14 68		
	14 77 *		
	15 15 *		
ASHFORD	17 40		

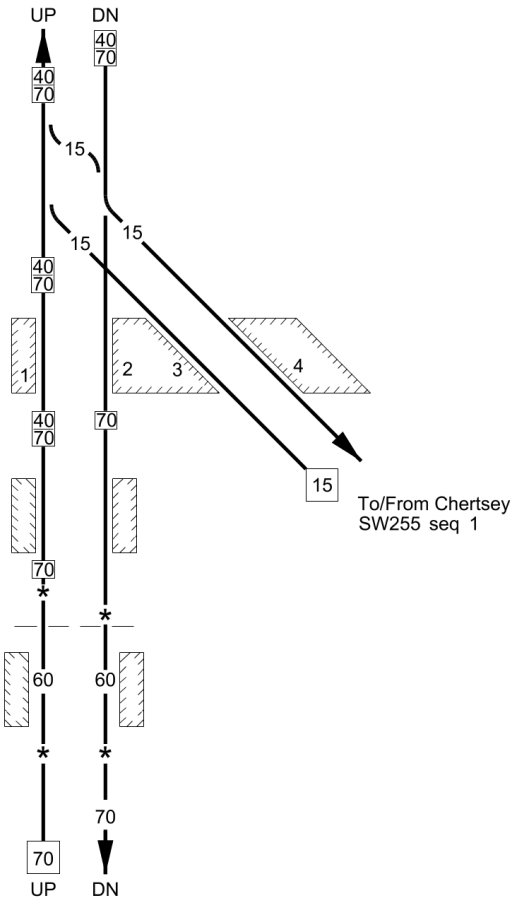
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	007	Clapham Junction to Reading	RDG1 SWE	Wessex	02/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park
	18 20 *		
Oakmead Crossing	18 30	T	
	18 60 *		Staines UGL Operational length Metres : 403 Feet: 1322 (BEF2178 to BEF2175)
STAINES	19 02 *		Permissive working authorised on Up platform line

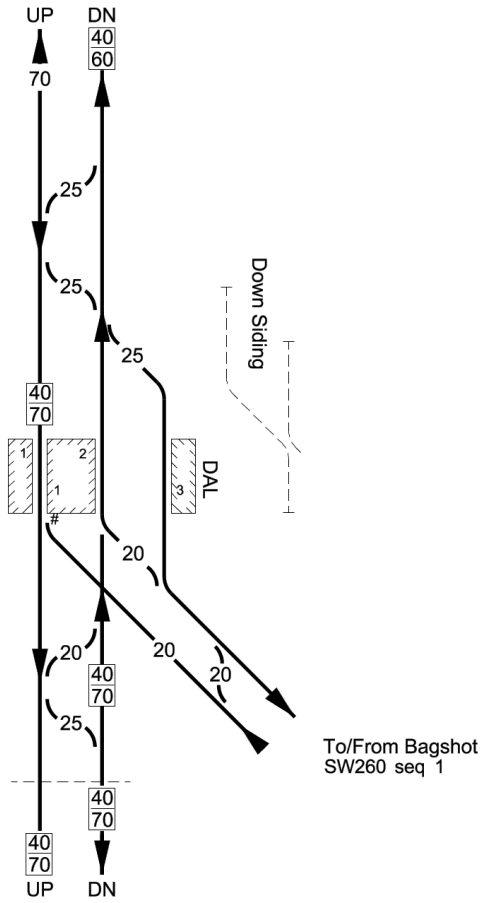
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	008	Clapham Junction to Reading	RDG1	Wessex	02/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park
	19 43 *		
	19 50 *		
	19 58 *		Differential Speed Restrictions
Thorpe Lane LC (CCTV)	19 67		
Pooley Green LC (CCTV)	20 51	T	
			Basingstoke ROC Staines Workstation 2
EGHAM	21 02		DC: Eastleigh Basingstoke ROC Ascot Workstation 3
Egham LC (CCTV)	21 02 21 59 *		
			Differential Speed Restrictions
Rusham LC (MCB CCTV)	21 61 *	T	
Stroude Crossing (MSL)	22 51	T	

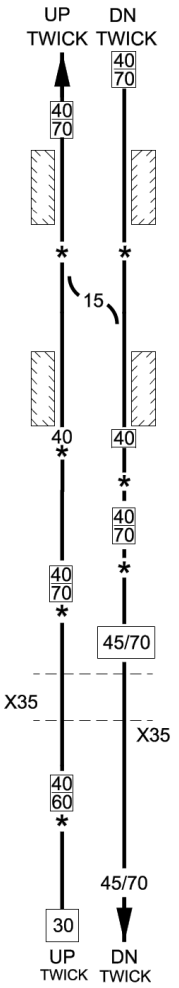
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	009	Clapham Junction to Reading	RDG1 VWW	Wessex	19/04/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R RA8 DC: Eastleigh Axle Counter Area Basingstoke ROC Ascot Workstation 3
	23 06		Differential Speed
VIRGINIA WATER	23 15		
	23 49		Differential Speed
LONGCROSS	25 11		
	26 64 *		
	26 65 *		
Sunningdale LC (CCTV)	26 66		
SUNNINGDALE	26 71		
	27 01 *		

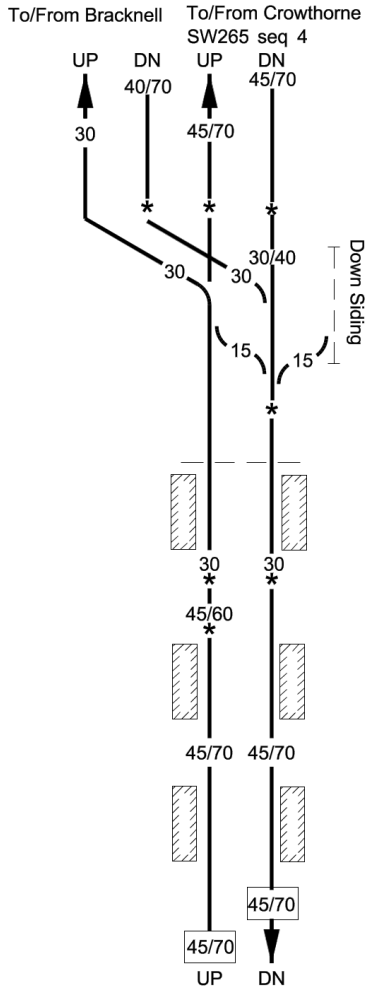
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	010	Clapham Junction to Reading	RDG1 AAV	Wessex	01/10/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	28 45		GSM-R RA8 DC: Eastleigh Axle Counter Area Differential Speed Basingstoke ROC Ascot Workstation 3
	28 71		Down and Up main platform lines and DPL are reversible
ASCOT	28 79		Permissive working authorised on DPL Down and Up main platform lines (Up direction only) DAL (Down Ascot Loop) 630 ft # Platform 1 Downside temporarily OOU
	29 11		Differential Speed
Englemere Crossing	29 36	T	To/From Bagshot SW260 seq 1

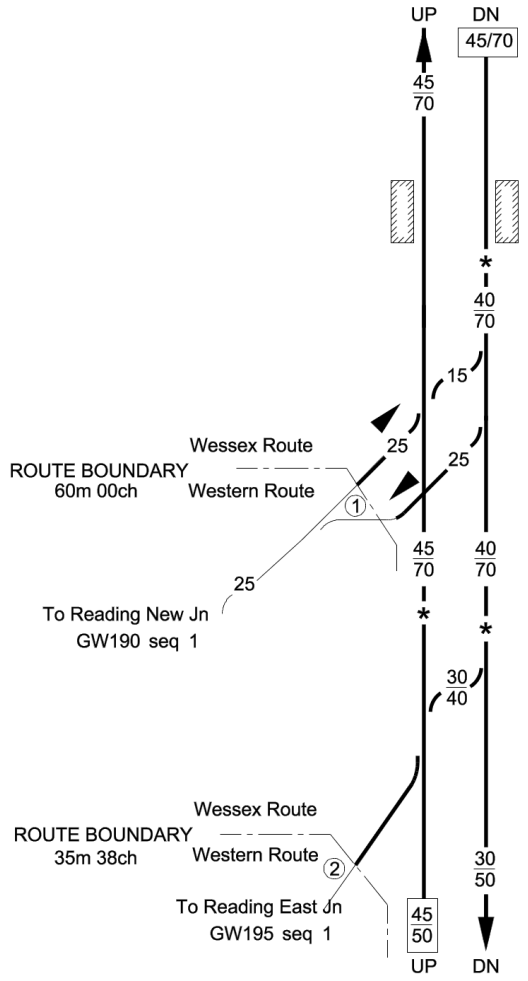
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	011	Clapham Junction to Reading	RDG1	Wessex	19/02/2024

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Eastleigh
MARTINS HERON	31	09		
	32	16 *		Axle Counter Area
BRACKNELL	32	24		
	32	33 *		
	32	36 *		
	32	58 *		
	35	27 *		
Star Lane LC (CCTV)	35	30	T	
Smiths Crossing {R&G - X - IOMSL)	35	73	T	
	36	17 *		

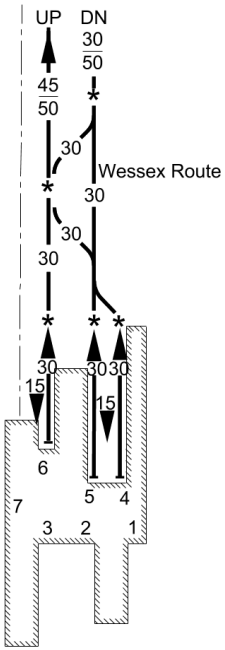
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	012	Clapham Junction to Reading	RDG1 RDG2 GTW2	Wessex	19/02/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			TCB Basingstok ROC (BEF) RA8 DC: Eastleigh
			Mileages shown in brackets [ ] apply to and from Crowthorne
	36 28 *		
	[61 69] *		
Wokingham Jn	[61 71] *		
	36 35		
	[61 72]		
	62 01 *		Axle Counter Area
Wokingham LC	62 08		
WOKINGHAM			
	62 20 *		
	62 72 *		
WINNERSH	64 10		
WINNERSH TRIANGLE	64 72		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	013	Clapham Junction to Reading	RDG2 RNJ RLL	Wessex	19/02/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Eastleigh Axle counter area TCB Thames Valley Signalling Centre (T) RA8 DC: Eastleigh Change Of signalling control: Down Southern: 66m 30ch Up Southern: 66m 65ch ① ELR = RNJ ② ELR = RLL
EARLEY	66 01 66 08		
Reading Spur Jn	67 76		
	68 20 * 68 10 * 68 13 *		
Reading Southern Jn	68 25 (35 31)		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	014	Clapham Junction to Reading	RDG2	Wessex	27/07/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	68 35 *		GSM-R
	68 40 *		TCB Thames Valley Signalling RA8 Centre (TR) DC: Eastleigh
	68 52 *		Platform 4 - 268m, 293yds (PP) Platform 5 - 268m, 293yds (PP) Platform 6 - 268m, 293yds (PP)
READING	68 68	FOR DETAIL SEE WESTERN SECTIONAL APPENDIX	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW210	015	Clapham Junction to Southcote Junction (via Reading)	MLN1	Wessex	10/05/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		THIS DIAGRAM HAS BEEN WITHDRAWN	

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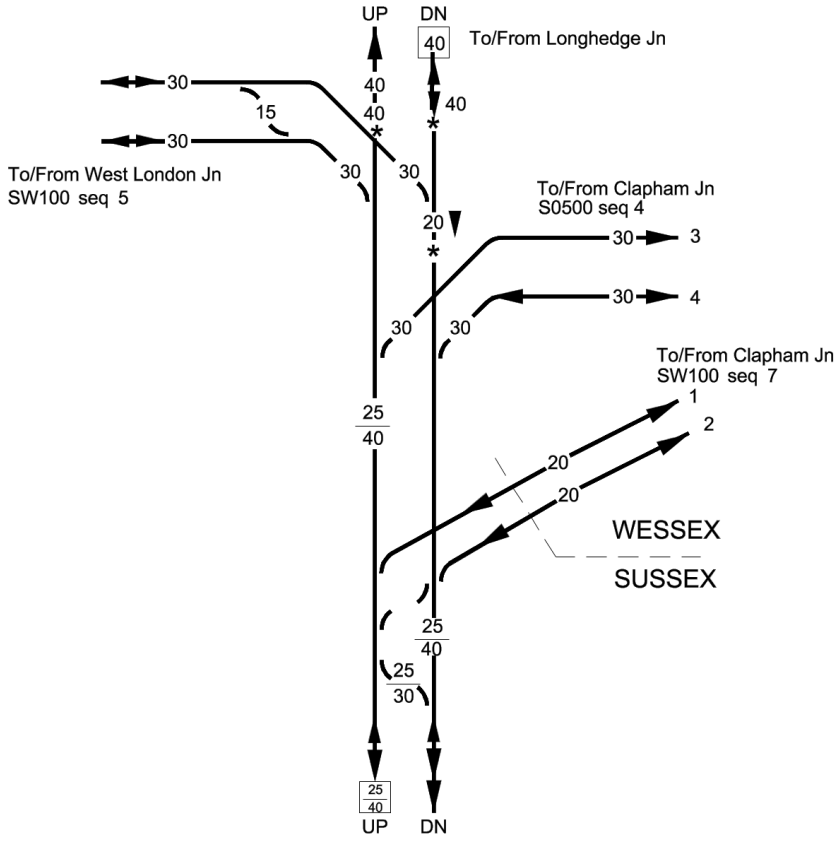
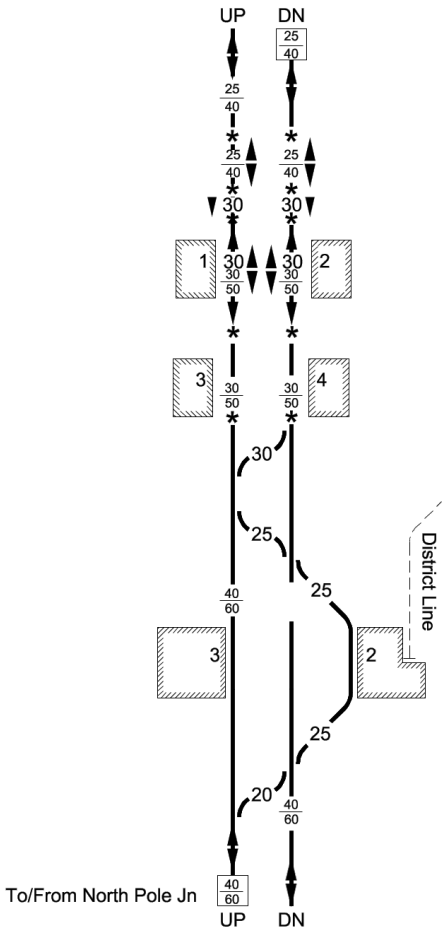
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW220	001	Latchmere Junction to Kensington Olympia	CJL SCC WLL CKL	Wessex	13/07/2024

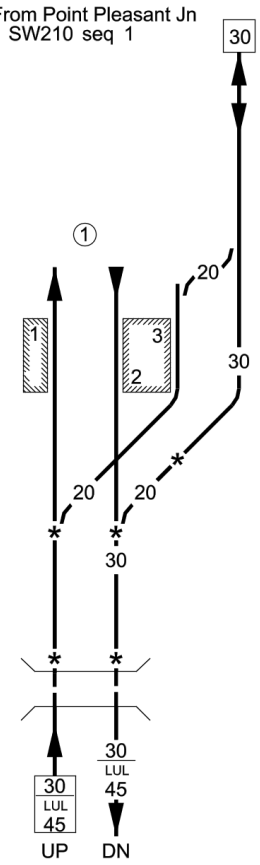
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		LATCHMERE JUNCTION AND 01m 40ch — MAXIMUM PERMISSIBLE SPEED 40 MPH 01m 40ch AND KENSINGTON OLYMPIA — MAXIMUM PERMISSIBLE SPEED 50 MPH	TCB Three Bridges ROC Clapham W/S (TVC) GSM-R RA8 DC: Lewisham
CTLP-WX-CTL-SHCT 3m 25ch	2 34 * 2 35 *		Axle Counter area on the Down and Up West London Line On the Up West London Line - Axle Counters start at Signal TVC593 - Protecting Clapham Jn Platform 17 On the Down West London Line - Axle Counters end at Signal TVC677 - Protecting Latchmere No 1 Jn
Latchmere Jn No.3	2 39 0 40	To/From West London Jn SW100 seq 5	
	2 44 *	To/From Clapham Jn S0500 seq 4	3 Up West London 4 Down West London
Latchmere Jn No.1	0 63	To/From Clapham Jn SW100 seq 7	1 Up Latchmere Curve 2 Down Latchmere Curve
ROUTE BOUNDARY	0 47	WESSEX SUSSEX	
Latchmere Jn No.2	0 71		



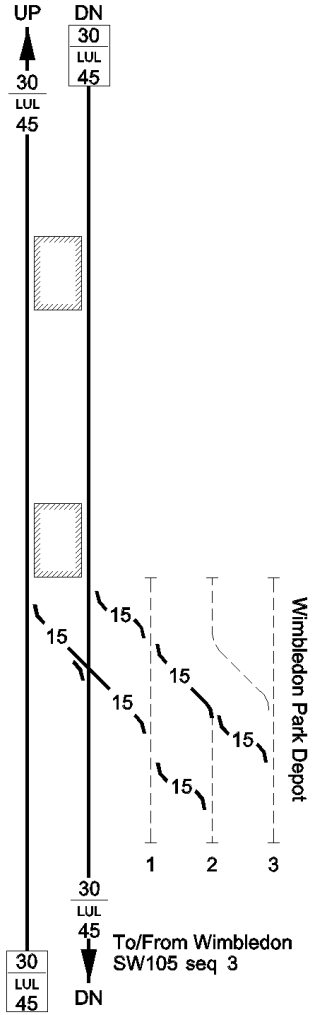
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW220	002	Latchmere Junction to Kensington Olympia	WLL	Wessex	13/07/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC Clapham W/S (TVC) RA8 DC: Lewisham Note: These Lines are also depicted in SO250 Seq 005 and 006 and should also be updated with any changes.
	1 20 *		
	1 37 *		
IMPERIAL WHARF	1 43		
	1 52 *		
	1 40 *		
WEST BROMPTON	2 43		
	3 20 *		
	3 22 *		
KENSINGTON OLYMPIA	3 42		

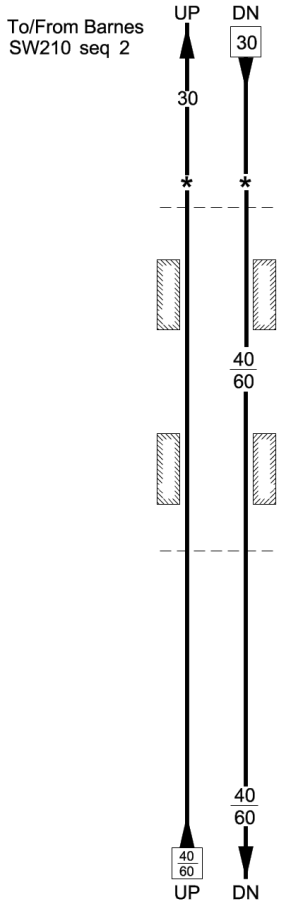
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW225	001	Point Pleasant Junction to Wimbledon	PPW	Wessex	31/12/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		POINT PLEASANT JUNCTION AND EAST PUTNEY MAXIMUM PERMISSIBLE SPEED 30 MPH EAST PUTNEY AND WIMBLEDON MAXIMUM PERMISSIBLE SPEED 45 MPH	TCB Wimbledon SB (W) RA6 DC: Raynes Park GSM-R CSR 95
EAST PUTNEY	5 60		A.W.S. not provided for temporary speed restrictions signal box ① District Line
East Putney Tunnel 311 Yards	6 3 * to 6 17		Indicator for 30 mph on Up line at 06m 03ch is positioned at the Southfields end of tunnel @ 45mph applies to LUL trains only

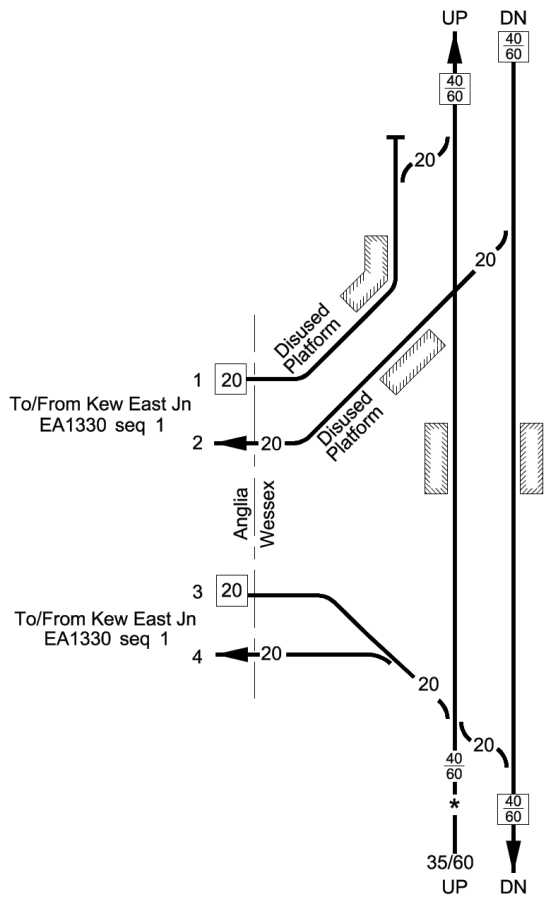
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW225	002	Point Pleasant Junction to Wimbledon	PPW	Wessex	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SOUTHFIELDS	6 57		TCB Wimbledon SB (W) RA6 DC: Raynes Park GSM-R CSR 95
WIMBLEDON PARK	7 50		@ 45mph applies to LUL trains only 1 - No.1 Reception 2 - No.2 Reception 3 - No.3 Reception

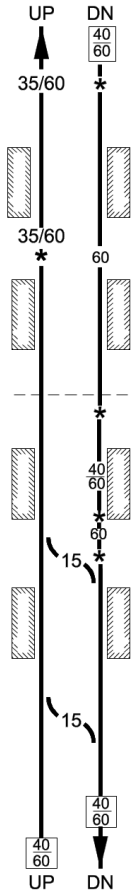
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW230	001	Barnes to Feltham Junction (via Hounslow)	HOU	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Wimbledon SB (W) RA8 DC: Raynes Park
LC (CCTV) Vine Road Barnes (Hounslow line) LC (CCTV)	7 20 * 7 25		Max RA4 at Barnes River Bridge (7m 57ch) Above RA4 to move max 20mph Refer to Tables D4A, D4B, D4C, D4D STNC from 28/04/2023 until 31/07/2026
BARNES BRIDGE	7 54		
CHISWICK	8 47		
Grove Park LC (CCTV)	8 75		Basingstoke ROC Staines Workstation 2 Axle counter train detection from 8m 65ch

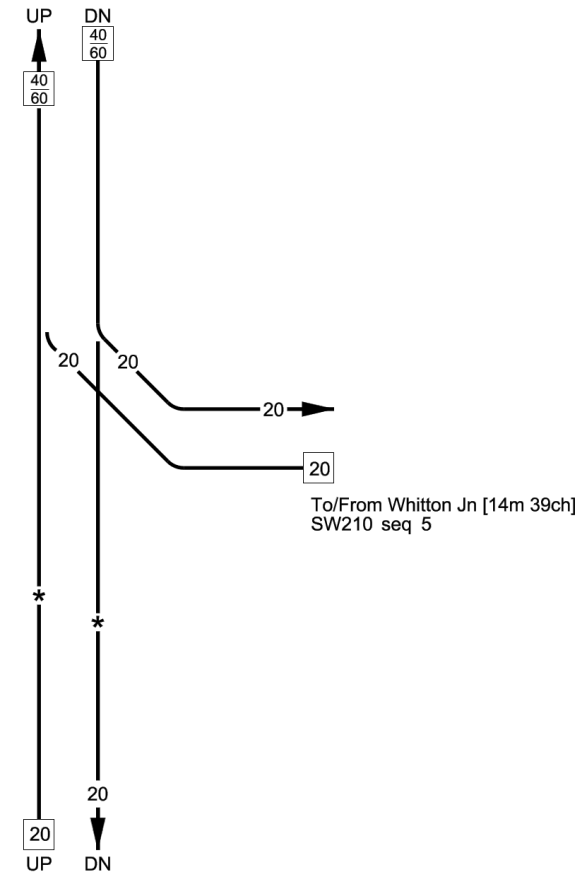
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW230	002	Barnes to Feltham Junction (via Hounslow)	HOU NKE2 BOK6	Wessex	02/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
New Kew Jn	09 34		GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park
Route Boundary	03 39		
	09 64		
KEW BRIDGE	09 53		
Route Boundary	03 39		
Old Kew Jn	10 01		1 Down Kew Spur 2 Up Kew Spur 3 Down Kew Branch 4 Up Kew Branch
	10 07 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW230	003	Barnes to Feltham Junction (via Houslow)	HOU	Wessex	02/09/2023

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park
	10	15	*		
BRENTFORD	10	52			
	10	59	*		
SYON LANE	11	34			
Wood Lane LC (CCTV)	11	69			
	12	03	*		
ISLEWORTH	12	10			
	12	63	*		
	13	24	*		
HOUNSLOW	13	40			

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW230	004	Barnes to Feltham Junction (via Hounslow)	HOU HJW	Wessex	02/09/2023

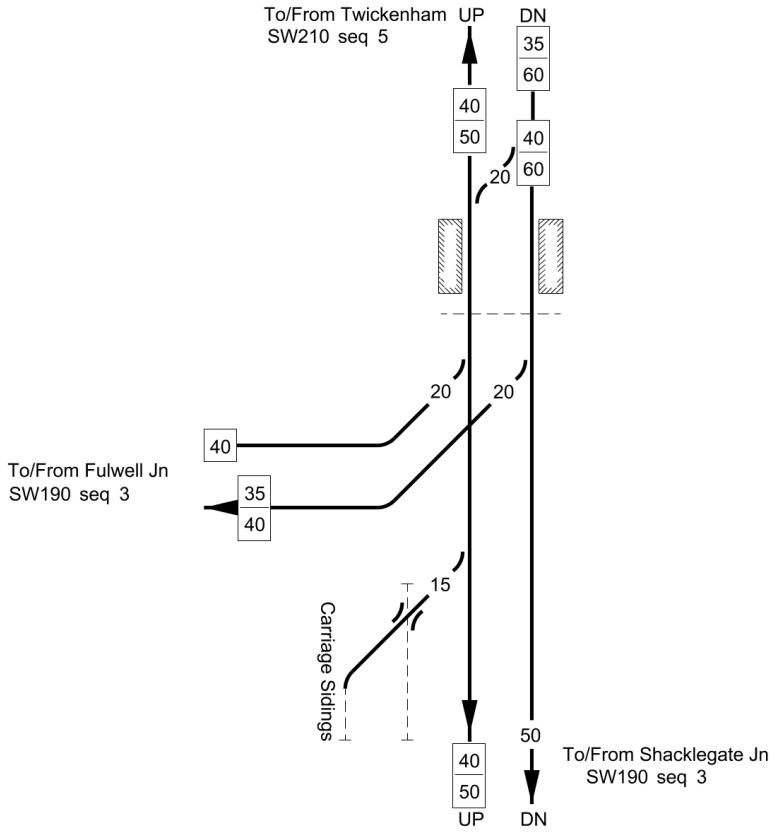
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Hounslow Jn	14 09		GSM-R TCB Basingstoke ROC (BEF) RA8 DC: Raynes Park Mileages shown in brackets ( )apply between Hounslow Jn and Whitton Jn
	14 29 *		
	14 34 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW240	001	Kew East Junction to Old Kew Junction	BOK6	Wessex	25/06/10

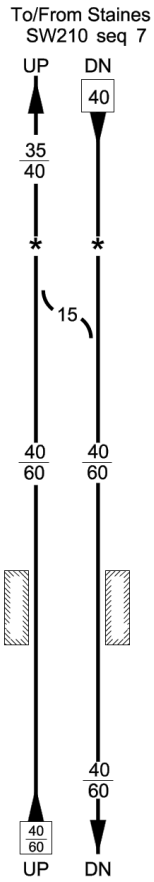
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		THIS TABLE A DIAGRAM HAS BEEN WITHDRAWN	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW245	001	Twickenham to Shacklegate Junction	TSJ	Wessex	23/10/2021

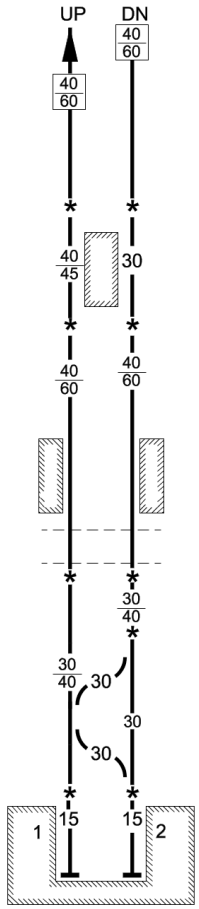
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
STRAWBERRY HILL	12 22	MAXIMUM PERMISSIBLE SPEED 60 MPH	AC Bassingstoke ROC (BEF) RA8 DC: Raynes Park GSM-R
Strawberry Hill LC (CCTV)	12 22		Differential Speed Restrictions



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW250	001	Staines to Windsor and Eton Riverside	SWE	Wessex	02/09/2023

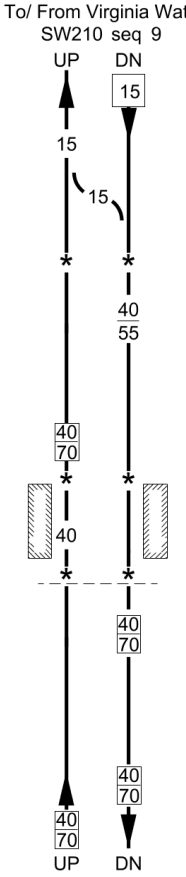
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 60 MPH	GSM-R TCB Basingstoke ROC (BEF) RA4 DC: Raynes Park
	19 23 *		
WRAYSBURY	21 40		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW250	002	Staines to Windsor and Eton Riverside	SWE	Wessex	23/09/2023

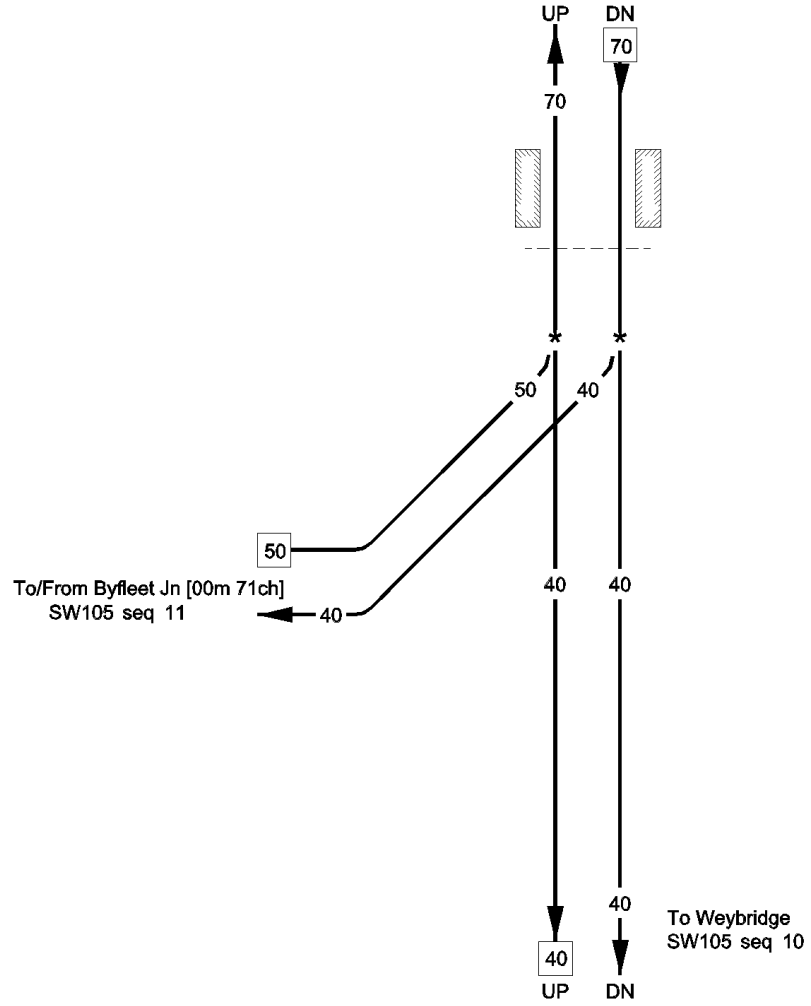
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Basingstoke ROC (BEF) RA4 DC: Raynes Park GSM-R
	22 40 *		
SUNNYMEADS	22 48		
	22 58 *		
DATCHET	23 63		
Datchet LC (CCTV)	23 69	T	
Mays LC (CCTV)	23 74	T	
	24 28 *		
	25 28 *		WINDSOR & ETON RIVERSIDE LINESPEEDS
	25 31		Line speed departing platform 1 is 30 / 40 mph from 25m 32ch. Line speed departing platform 2 is 30 mph from 25m 32ch
	25 32 *		Line speed arriving in platforms 1 and 2 is 15mph from 25m 32ch
WINDSOR AND ETON RIVERSIDE	25 48		PERMISSIVE WORKING AUTHORISED IN PLATFORMS 1 AND 2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW255	001	Virginia Water to Weybridge	VWW	Wessex	19/04/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 70 MPH	GSM-R
			RA8 DC: Eastleigh
			Axle Counter Area
			Basingstoke ROC Ascot Workstation 3
	24 51 *		
	22 34		Differential Speed
CHERTSEY	22 25		
Chertsey LC (CCTV)	22 25		
	22 20		Differential Speed

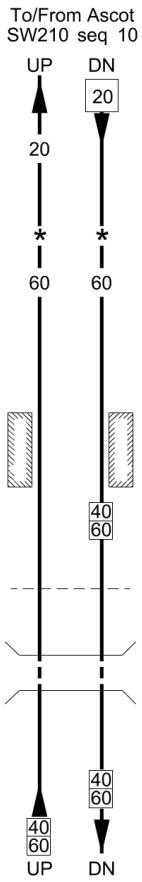


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW255	002	Virginia Water to Weybridge	AJB VWW	Wessex	07/04/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Woking SB (WK) RA8 DC: Eastleigh GSM-R
ADDLESTONE	20 71		
Addlestone LC (CCTV)	20 71		
Addlestone Jn	19 74 * [00 00]		Mileages shown in brackets [ ] apply between Addlestone Jn. and Byfleet Jn.
	[00 48] *		

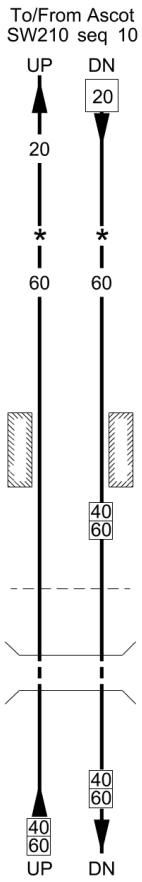
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW260	001	Ascot to Ash Vale Junction	AAV	Wessex	19/04/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 60 MPH	GSM-R RA8 DC: Eastleigh Axle Counter Area
		To/From Ascot SW210 seq 10	Southern Region Two-Thirds Rule does not apply between Ascot and Ash Vale Junction between 29m 25ch and 32m 19ch on the Down Frimley and 29m 25ch and 32m 04ch on the Up Frimley
	29 25 *		Basingstoke ROC Ascot Workstation 3
BAGSHOT	32 08		
	32 19		
	32 19		Differential Speed
Jenkins Hill Crossing	33 23	T	
Bagshot Tunnel 121 Yards	33 60 33 66		

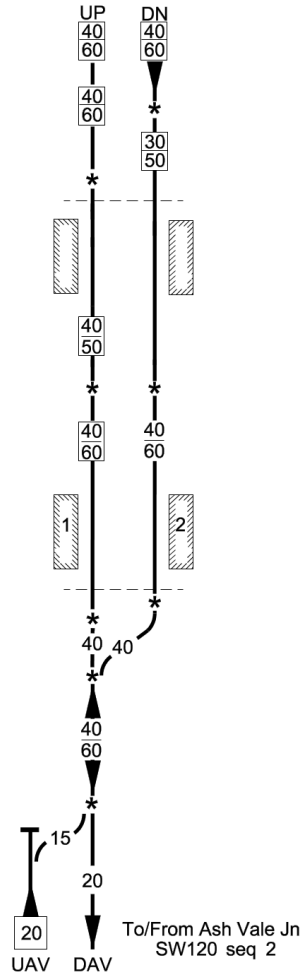


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW260	001	Ascot to Ash Vale Junction	AAV	Wessex	19/04/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 60 MPH	GSM-R RA8 DC: Eastleigh Axle Counter Area
		To/From Ascot SW210 seq 10	Southern Region Two-Thirds Rule does not apply between Ascot and Ash Vale Junction between 29m 25ch and 32m 19ch on the Down Frimley and 29m 25ch and 32m 04ch on the Up Frimley
	29 25 *		Basingstoke ROC Ascot Workstation 3
BAGSHOT	32 08		
	32 19		
	32 19		Differential Speed
Jenkins Hill Crossing	33 23	T	
Bagshot Tunnel 121 Yards	33 60 33 66		



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW260	002	Ascot to Ash Vale Junction	AAV	Wessex	04/11/2023

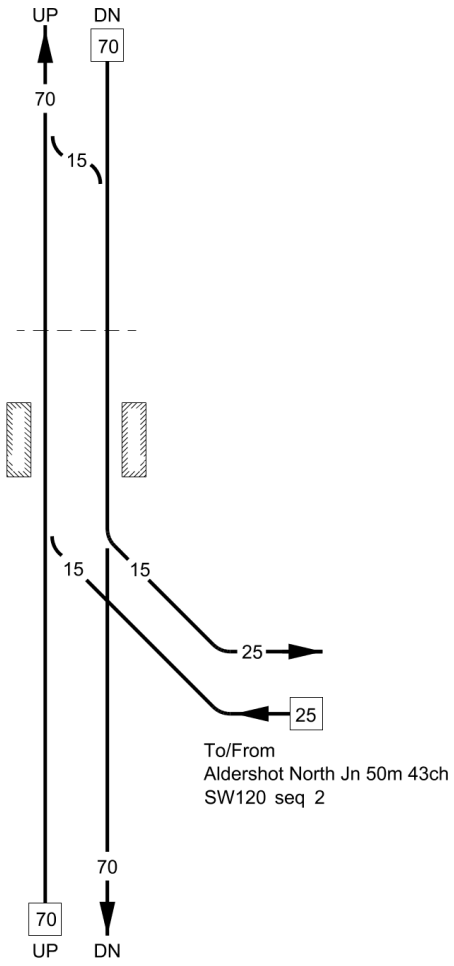
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	35 17		RA8 DC: Eastleigh Axle Counter Area Differential Speed Basingstoke ROC Ascot Workstation 3
	35 23 *		
Camberley LC (CCTV)	35 26 *		
CAMBERLEY	35 30		
	36 01		Differential Speed
	36 00 *		Axle Counters Entrance Up Line Exit Down Line
			CTLP-WX-CTL-FTPH 37m 10ch
FRIMLEY	37 48		TCB Woking ASC (WK) RA8 DC: Eastleigh
Frimley Crossing (The Hatches)	38 36	T	Platform Lengths: Platform 1 - 92 metres (100.6 yards) Platform 2 - 92 metres (100.6 yards)
	38 37 *		
	38 42 *		
	38 55 *		Differential Speed
	40 41 *		CTLP-_-WX-CTT-AVJN-40m 57ch
			UAV - Up Ash Vale DAV - Down Ash Vale

GSM-R

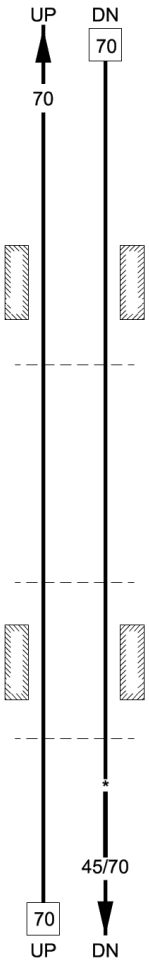
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW265	001	Guildford to Wokingham	GTWI GTW2	Wessex	03/02/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WANBOROUGH	31 07 * 34 29 35 50 * 48 34 48 48 *	MAXIMUM PERMISSIBLE SPEED 70 MPH To/ From Guildford SW110 seq 2 UP 40 * 70 * 40 * 70 UP DN 40 * 70 * 40 * 70 DN	TCB Guildford SB (GD) RA8 DC: Eastleigh GSM-R

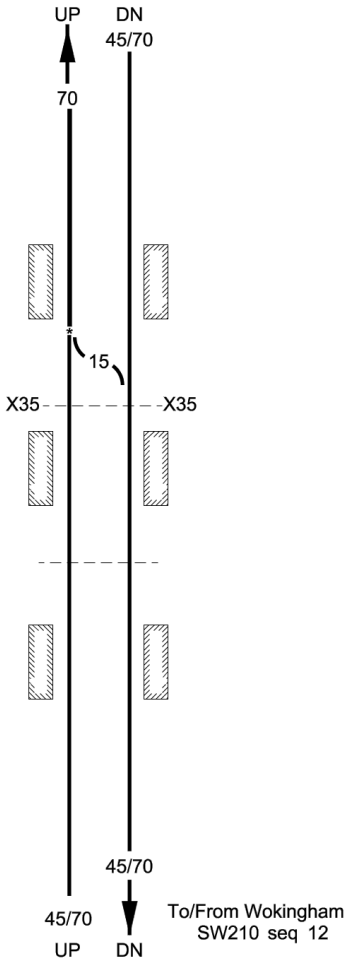
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW265	002	Guildford to Wokingham	GTW2 NSA	Wessex	11/05/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Guildford SB (GD) RA8 DC: Eastleigh
Ash LC (CCTV)	49 15		
ASH	49 18		
Aldershot South Jn	50 01		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW265	003	Guildford to Wokingham	GTW2	Wessex	19/02/2024

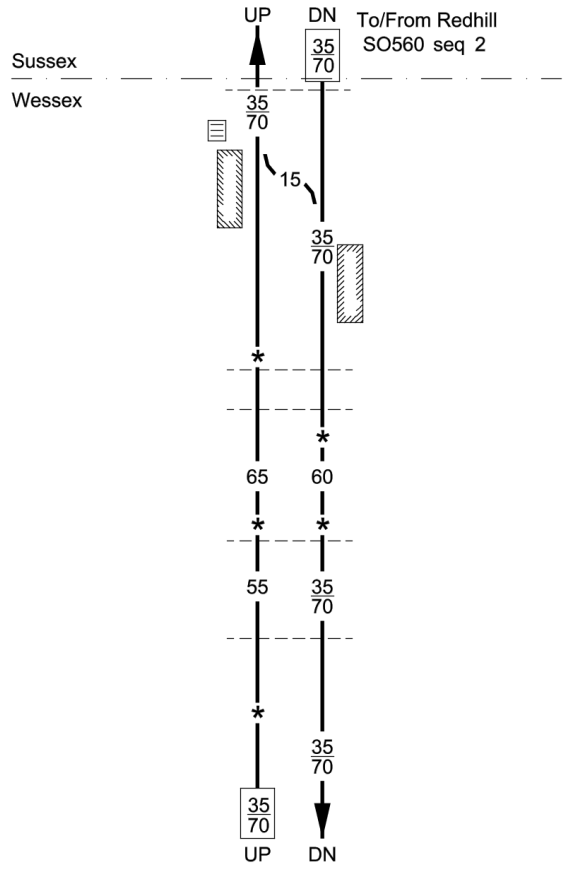
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Guildford SB (GD) RA8
NORTH CAMP	51	18		
North Camp LC (CCTV)	51	18		
Farnborough North Footpath LC (R/G)	53	11		
FARNBOROUGH NORTH	53	16		TCB Basingstoke ROC (BEF) RA8 Axle Counter Area Change of signalling control: Down Blackwater: 54m 16ch Up Blackwater: 55m 00ch
Synhurst FC	54	00		
	54	16 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW265	004	Guildford to Wokingham	GTW2	Wessex	19/02/2024

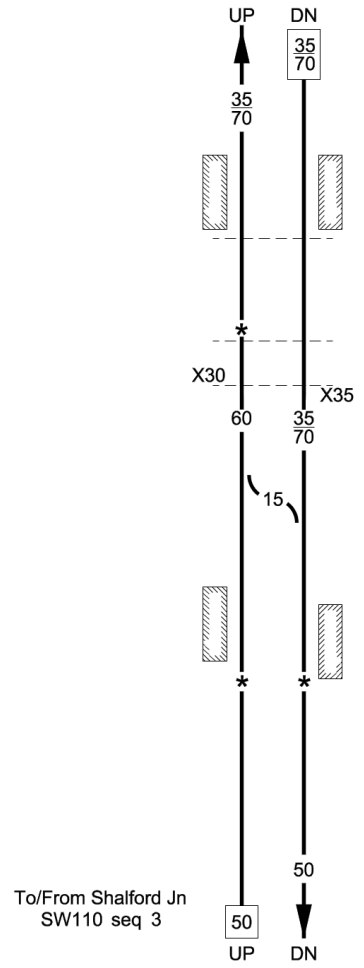
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Basingstoke ROC (BEF) RA8
BLACKWATER	55	58		Southern Region Two- Thirds Rule applies from 56m 02ch on the Up Blackwater towards Farnborough North
	56	02 *		
Darby Green R & G - X - MSL	56	22		
SANDHURST	57	22		Axle Counter Area
Harveys UWC	58	12		
CROWTHORNE	58	66		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW300	001	Gomshall to Shalford Junction	RSJ	Wessex	28/10/2016

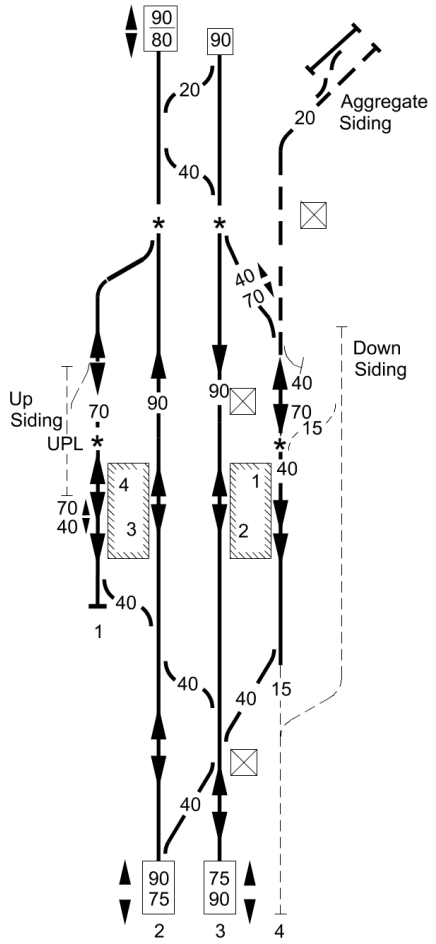
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED 35/70 MPH	TCB RA8 Reigate SB (RC) GSM-R
Route Boundary	33 10		
Hackhurst Lane BW	34 57		
GOMSHALL	35 21		
Burrows Lane LC (AHBC)	35 60 *	T	TCB Guildford SB (GD)
Shere Heath LC	36 51	T	
	36 60 *		
Brook LC (AHBC)	37 19 *	T	
Ford Crossing	37 70	T	
	38 03 *		



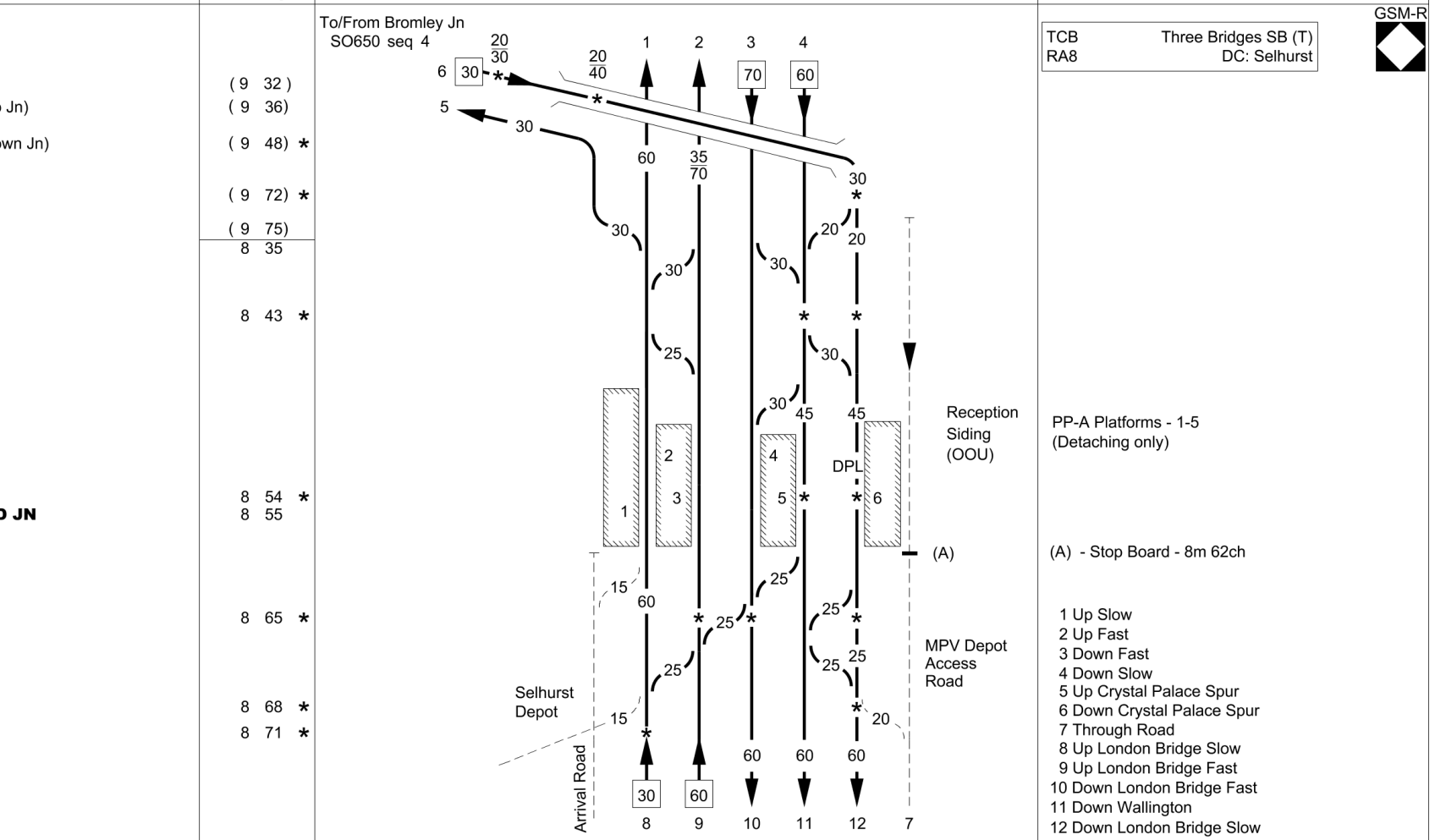
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW300	002	Gomshall to Shalford Junction	RSJ	Wessex	27/02/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Guildford SB (GD) RA8 GSM-R
CHILWORTH	39 15		
Chilworth LC (CCTV)	39 15		
Tangley LC (AHBC)	39 48 *	T	
East Shalford Crossing (R&G-X-OMSL)	40 20	T	
SHALFORD	41 02		
	41 10 *		

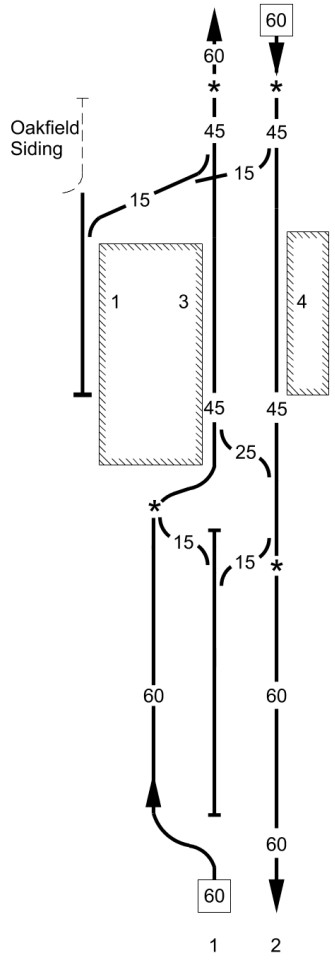
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO500	021	Victoria to Brighton	VTB3 CJA1 CJA2	Kent / Sussex	27/02/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ardingly Sidings	(0 70)		GSM-R TCB Three Bridges SB (T) RA8 DC: Brighton
(Ardingly branch) (Change of mileage)	36 33.5 (0 00)		Copyhold Jn, to Ardingly (goods line) One train working without train staff applies. Direction is down from Copyhold Jn to Ardingly.
Copyhold Jn TP Hut	(36 42)		
Copyhold Jn	36 73 *		PLOD at 36m 66ch
	37 52 *		PLOD at 37m 47ch
HAYWARDS HEATH	37 59		Platform 1 PP-A Platform 2 PP-A (detaching only) Platform 3 PP-A Platform 4 PP-A (Up Direction) Platform 4 PP-A (Down Direction Detaching only)
Haywards Heath Substation	37 66		PLOD at 37m 75ch 1 Up Loop 2 Up Main 3 Down Main 4 Down Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	007	London Bridge to Epsom Downs	LBW BJN1 BJN2	Kent / Sussex	27/02/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
	(9 32)		TCB Three Bridges SB (T) RA8 DC: Selhurst
(Bromley Up Jn)	(9 36)		
(Bromley Down Jn)	(9 48) *		
	(9 72) *		
	(9 75)		
	8 35		
	8 43 *		
	8 54 *		PP-A Platforms - 1-5 (Detaching only)
NORWOOD JN	8 55		
			(A) - Stop Board - 8m 62ch
	8 65 *		
	8 68 *		
	8 71 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	009	London Bridge to Epsom Downs	NFE	Kent / Sussex	27/02/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges SB (T) RA8 DC: Selhurst
	10 13 *		
			PP - Platform 1
WEST CROYDON	10 35		
	10 49 *		
	10 54 *		
West Croydon TP Hut	10 68	T	1 Up Wallington 2 Down Wallington

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SW100 (WATERLOO TO CLAPHAM JUNCTION)

From	To	Type of Train	Line(s)	Remarks
Waterloo	Clapham Junction	ECS only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear.
Latchmere No.3 Junction	West London Junction	ECS only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear.
Waterloo Platforms 20 to 24	Linford Street Junction	Passenger trains only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear.
Stewarts Lane	Clapham Junction	ECS only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear.

Dated: 29/07/17

SW105 (CLAPHAM JUNCTION TO WEYMOUTH)

From	To	Type of Train	Line(s)	Remarks
Bournemouth (Carriage sidings)	Bournmouth (Station)	ECS only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear. Attached in Rear only.
Bournemouth (Carriage sidings)	Poole (on the approach to position light signal PW5210)	ECS only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear. Attached in Rear only.
Poole (on the approach to position light signal PW5210)	Poole Station	ECS only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear. Attached in Rear only.

Dated: 19/05/14

SW110 (WOKING JUNCTION TO PORTSMOUTH HARBOUR)

From	To	Type of Train	Line(s)	Remarks
Fratton	Portsmouth Harbour	ECS only	All	Trains may be worked with a locomotive coupled to the rear. A shunting locomotive must not be used to assist in rear, nor must a train being hauled by a shunting locomotive be assisted in the rear.

Dated: 02/12/06

SW115 (WORTING JUNCTION TO EXETER ST. DAVIDS)

From	To	Type of Train	Line(s)	Remarks
Wilton Junction	Quidhampton sidings	Empty or loaded	All	Trains or vehicles may be propelled in accordance with Rule Books, Module SS2, Section 5.3

Dated: 17/05/21

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SW100 - WATERLOO TO CLAPHAM JUNCTION

WATERLOO

Restricted clearance over Westminster Bridge Road (1/A4) at 0m 22½ch.

Trains formed of coaching stock with passenger operated drop windows without suitable physical restrictions in place (eg window bars) to prevent persons being in danger from the open window, are **prohibited** to operate over the Down Main Slow line to/from Waterloo platforms 1 to 3, Gantry 1 and West Crossings (00m 45ch).

Trains formed as above, **must** use alternative lines and platforms.

Traincrew/Operating Staff

Drivers/Guards and other operating staff when working trains to/from London Waterloo over the Down Main Slow line from platforms 1 to 3, Gantry 1 and West Crossings **must** note the above restriction over Westminster Bridge Road in relation to train crew operated drop windows for their own personal safety.

Dated: 10/04/2021

SW100 - WATERLOO TO CLAPHAM JUNCTION

London Waterloo Station Platforms 1 to 9 and 20, 21 & 22

Each platform starting signal has been fitted with a TPWS (OSS) which is located approximately 32 metres on the approach to the platform starting signal.

The TPWS (OSS) is set to **0mph** speed and is designed to intervene if a short formation train starting from the buffer stops approaches the platform starting signal at danger.

If a driver of a train is authorised by the Signaller to draw up to or pass the platform starting signal at danger, the driver must operate the trains TPWS Override button before passing over the TPWS (OSS).

Dated: 29/08/2017

SW100 - WATERLOO TO CLAPHAM JUNCTION

West Crossings

Run-round movements

If it is necessary for a train to be propelled to signal W49, W57 or W59 at West Crossings in order to run the locomotive round the train, the Guard or Shunter will be advised by the Signaller:-

a) which line the train will use for the run-round movement;

b) which line will be blocked for protection of the Guard or Shunter whilst uncoupling and coupling the locomotive.

The Guard or Shunter must obtain an assurance from the Signaller that the line has been blocked. Uncoupling and coupling of the locomotive must be carried out on the side of the train next to the blocked line.

Dated: 02/12/06

SW100 – WATERLOO TO CLAPHAM JUNCTION

QUEENSTOWN ROAD (BATTERSEA)

The platform on the Windsor Reversible line is closed and there is no exit from it. If a passenger train is detained at signal W928 or W929 Drivers of trains formed with power operated doors must give the bell/buzzer code 2-2 (do not open doors) to the Guard and the doors must not be released. Guards of trains formed with slam door stock must ensure that no passengers alight at the platform, making public address announcements as necessary.

The continuous place of safety on the cess side of the Windsor Reversible line at the London end of the station terminates on each side of the signal cabinets at 2m 39ch. Persons are prohibited from walking past these cabinets unless protection is provided on the Windsor Reversible line by one of the following means:-

c) protection in accordance with **Handbook 8**, **Handbook 20** or under possession of the line for engineering work as shown in the Rule Book, Module T3;

d) in emergency, blockage of the Windsor Reversible line in accordance with the **Handbook 2** or, if called to site by the Signaller, protection in accordance with **Handbook 8**;

e) the presence of a disabled train in connection with which it is necessary to protect the line in accordance with the Rule Book, Module M1 & M2.

Dated: 06/12/14

SW100 - WATERLOO TO CLAPHAM JUNCTION

CLAPHAM JUNCTION

Trains propelled towards the Latchmere Reversible or Up Ludgate lines must not exceed 693 feet (33 SLUs).

The switched Train Operated Warning Systems at the London end of the station are provided for Shunter's use only, and must not be used by other staff. They are located as follows:-

Main lines - Up side, for the protection of Shunters working in the yard adjacent to the Up Main Fast line;

Windsor lines - Down side, for the protection of Shunters working in the area of the Down Windsor Slow line.

Stopping Marks

4, 8, and 12 car stopping marks are provided on the sleepers of the Up Main Fast, Up Windsor Slow and Up Windsor Fast lines to indicate to Drivers when their trains are clear of the respective position light signal (i.e. W1041, W1049 or W1047).

Dated: 27/09/08

SW100 – WATERLOO TO CLAPHAM JUNCTION

CLAPHAM JUNCTION – Platform 8 Up Main Fast

Due to a gap that is considered too wide for normal use by stopping passenger trains. The Up Main Fast platform 8 at Clapham Junction **must** only be used for stopping passenger trains in an **emergency**.

If an emergency situation occurs that requires the use of platform 8 for a train to stop, the following **must** be applied before the train concerned is allowed to proceed from W132 signal on the Up Main Fast line approaching Clapham Junction;

- The station staff at Clapham Junction must be advised of the train that is requiring to stop
- The driver of the train must be advised that they will be stopping at platform 8. The driver is to advise the guard of the circumstance to allow a passenger announcement to be made.

In other than an emergency situation, for example the Up Loop, platform 7 is unavailable for any reason, no trains are permitted to stop on platform 8 and will run fast to London Waterloo and not call at Clapham Junction.

In this circumstance, the signaller will advise the station staff at Clapham and the train(s) concerned of these arrangements, until such time that the Up Loop, platform 7 is available again. The driver is to advise the guard of the circumstance to allow a passenger announcement to be made.

The Shift Signaller Manager will advise the WICC of any of the above circumstances if they arise.

The Local and/or Operations Manager and On Call Manager can be contacted if there is any dubiety around the implementation of these instructions in connection service alterations and/or recovery with the WICC.

Dated: 03/12/16

SW100 – WATERLOO TO CLAPHAM JUNCTION

West London Jn.

The continuous place of safety on the cess side of the Windsor Reversible line terminates on each side of the signal cabinets at 3m 14ch. Persons are prohibited from walking past these cabinets unless protection is provided on the Windsor Reversible line by one of the following means:-

f) protection in accordance with **Handbook 8**, **Handbook 20 or** under possession of the line for engineering work as shown in the Rule Book, Module T3;

g) in emergency, blockage of the Windsor Reversible line in accordance with the **Handbook 2** or, if called to site by the Signaller, protection in accordance with **Handbook 8**;

h) the presence of a disabled train in connection with which it is necessary to protect the line in accordance with the Rule Book, Module M1 & M2.

Dated: 06/12/14

SW100 – WATERLOO TO CLAPHAM JUNCTION

Entire Line Of Route

Provision of a Position of Safety for Patrolmen

To provide a position of safety for Patrolmen carrying out infrastructure inspection and minor maintenance work directly associated with patrolling between Waterloo and Vauxhall (Main Lines) and Waterloo and Barnes (Windsor Lines), protection in accordance with Handbook 8 (Section 2) may be given (as shown below) on either the , Down Windsor, Down Windsor Slow, Down Windsor Fast, Putney Reversible, Up Main Relief, Ludgates, Windsor Reversible or Up Windsor Slow between the locations shown at the request of the COSS (or PC), subject to the request being in accordance with the arrangements agreed with the local manager.

All references to the signaller in this section refer to the signaller at Wimbledon Area Signalling Centre (ASC)

The COSS (or PC) must agree with the signaller, which line will be used for this purpose. The COSS (or PC) will arrange for detonator protection to be provided at the entrance to the affected line clear of the points listed in the 'Clear of points ahead' column below. Each line has its own unique form, which must be used on each occasion.

Procedure for blocking the line when used for the Provision of a Position of Safety for Patrolmen between Waterloo and Vauxhall (Main Lines) and Waterloo and Barnes (Windsor Lines)

Handbook 8, the following conditions apply

1. The procedure may only be used for track patrolling
2. The procedure may only be used at locations authorised in the Wessex Route Section Appendix
3. The procedure requires the use of location specific forms conforming to a prescribed format
4. The procedure shall be pre-planned but not published in the weekly operating notice (WON)

The following procedure shall apply:

1. Patrolling will be carried out in a Red Zone (RZ). The Patrolman is also the COSS
2. A blocked line shall be considered a position of safety.
3. Lookout(s) shall be provided at all times.
4. The COSS (when in a position of safety) shall ask the signaller for permission to place the necessary detonator protection for the line blockage.
5. The signaller shall place reminder appliances on the affected signalling controls.
6. The signaller shall give the COSS permission to place the detonator protection at the entrance to the affected section and clear of the designated points.
7. Using the protection of the look out, the COSS shall proceed across open lines to where the protection is to be placed, and place it.
8. The COSS shall remain at the possession limit board (PLB) in the four-foot and tell the signaller that the necessary protection has been placed
9. The signaller shall confirm to the COSS that the line is then blocked and issue authority number to the COSS. Both signaller and COSS must complete a line blockage form.
10. The COSS shall carry out patrol duties with lookout(s).
11. When the work is finished the COSS shall go to a position of safety and ask the signaller for permission to remove the track protection.
12. The signaller shall give the COSS permission to remove the track protection.
13. The COSS will remove the track protection and return to a position of safety across open lines using look out protection.
14. The COSS shall tell the signaller that the track protection has been removed.
15. The signaller shall cancel the authority number and both signaller and COSS shall update their line blockage forms (see next page).

LINE	FORM	CLEAR OF POINTS IN REAR	CLEAR OF POINTS AHEAD
DOWN WINDSOR FAST	Q	692 pts	2582 pts
UP WINDSOR FAST	Z	2583 pts	664 pts
UP WINDSOR SLOW	Y	647 pts	624/625 fixed diamond
PUTNEY REVERSIBLE	PU	693 pts	W353 Signal
DOWN WINDSOR FAST	Q	692 pts	2581 pts
WINDSOR REVERSIBLE	WR	1535 pts	1585 pts
DOWN WINDSOR FAST	J	1590 pts	1780 pts
UP MAIN RELIEF	UMR	1583 pts	1525 pts
SOUTH SIDING	G	USED AS A POSITION OF SAFETY as shown in handbook 13	
LUDGATES	L	W135 signal	642 pts
UP WINDSOR SLOW	Y	647 pts	624/625 fixed diamond
DOWN WINDSOR SLOW	R	687 pts	692 pts

Dated: 16/10/17

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

WIMBLEDON STAFF HALT

Staff using this halt must travel by only those trains shown in the Working Timetables to stop, or specially authorised by Network Rail Control at Waterloo, and must ensure that the train will run on the Up Fast line after leaving Wimbledon. If the train has to be diverted to the Up Slow line no stop will be made.
Trains calling must stop with the leading cab at the London end of the platform and staff wishing to alight must travel in the front two compartments of the leading coach.

Platform staff are not provided and the 'ready to start' signal will not be given by the Guard. Staff alighting from or joining trains must ensure that doors are properly closed as an indication to the Driver that the train may proceed.

Trains formed of Class 158/159/170/455 or 458 stock

On departure from Wimbledon, staff wishing to alight at the staff halt must travel in the Vestibule behind the leading driving cab. On arrival at the staff halt, staff must only join and alight through the local crew access door. This door must be operated by the Driver.

Trains formed of class 444 or 450 stock.

On departure from Wimbledon, staff wishing to alight at the staff halt must travel in the passenger accommodation immediately behind the leading driving cab. On arrival at the staff halt where a Guard is provided, the Guard must open the leading set of 'passenger doors', (immediately behind the Driver) under local control. Staff must only join and alight from this door. When it is safe to do so, the Guard must close the door and give the 'ready to start' signal to the Driver.

Where a train is Driver only operated (ECS), staff wishing to join or alight will only be able to do so via the drivers cab door.

Empty trains

Drivers of all empty trains requiring to set back into the depot from position light signal 1107 at the Staff Halt on the Up Fast line must immediately telephone the Signaller if signal W158 is at danger.

Class 458 units

Movements formed of Class 458 units into Wimbledon depot must be made via the Up Slow line at Wimbledon station and then via 725 points to No.1 Up siding. Drivers of such trains must inform
the Signaller of the formation when approaching Wimbledon station.

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

ESHER

The Down and Up Fast line platforms have been taken out of use and there is no exit from them. If detained at signal WK338 or WK339 the Driver of a train formed with power operated door stock must give the bell/buzzer code 2-2 (do not open doors) to the Guard and the doors must not be released. Guards of trains formed of Heritage train stock must ensure that no passengers alight at the platform, making public address announcements as necessary.

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

WALTON-ON-THAMES

The Down and Up Fast line platforms have been taken out of use and there is no exit from them. If detained at signal WK348 the Driver of a train formed with power operated door stock must give the bell/buzzer code 2-2 (do not open doors) to the Guard and the doors must not be released. Guards of trains formed of Heritage train stock must ensure that no passengers alight at the platform, making public address announcements as necessary.

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

WEYBRIDGE

Weybridge to Virginia Water

When station staff are not in attendance a member of the traincrew of a train starting from the Up Bay Platform line must operate the 'train ready to start' plunger on the wall outside the staff room immediately prior to the booked departure time or, in the case of late running, when the train is ready to depart.

Dated: 02/12/06

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

WOKING

Up trains propelling to the Down yard or Down Guildford line must be brought to a stand on the Up slow or Up fast Platform line and the Driver must advise the Signaller, by telephone, the length of the train. The Signaller must advise the Driver, when the route has been set up throughout to the Down Yard Reception road or Down Guildford line. The Driver must then inform the Guard (or Shunter on a D.O. train), after which the movement may commence.

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

FARNBOROUGH

Three countdown marker boards are provided on the approach to the Down slow platform. The marker boards consist of a white rectangular board with three, two or one diagonal red stripes, the boards have been positioned as follows:-

Three stripes = 274 yards to platform

Two stripes = 182 yards to platform

One stripe = 90 yards to platform

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

BASINGSTOKE

Locomotive-hauled passenger trains from the Reading line

Drivers must stop at the platform in the Down Direction, with the leading cab opposite the 12-car stopping mark unless the train is completely clear of the junction before the stopping mark is reached.

Up Branch siding

Before movements are made from any siding towards BE540, the Signaller's permission must be obtained. .

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

Micheldever Oil Terminal

Before any movement is made over the footpath level crossing leading to the station subway, the Shunter or person in charge must close and lock the subway door and secure the gate so as to prevent the crossing from being used.

Application of hand brakes at oil/chemical depots/sidings

Clauses D3.3, D4.2 (b) and D5.1 Pink Pages, refer, handbrakes must be applied on each group of wagons left in the undermentioned sidings as follows:-

Micheldever 3 wagons, including reach wagon, nearest to locomotive.

Dated: 02/12/06

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

SHAWFORD

CLASS 444/450 POWER REDUCTION BUTTON
UP SLOW LINE – SHAWFORD

Until further notice Drivers of trains formed of 9, 10 or 12 car Class 444/450 multiple units must use the Power Reduction button when starting away from signal E372 on the Up Slow line at Shawford.

Due to limited power supply in this area, Drivers of the above trains that are stopped at Signal E372 must press the Power Reduction button and check that it illuminates before starting the train again. This will limit traction power to 50%.

The PBC can then continue to be used in the normal way.

Upon arrival at or after passing Shawford station, Drivers must move the PBC to OFF, press the Power Reduction button and check that it extinguishes.

The train can then continue as normal.

Note: The Power Reduction button must not be operated before the train comes to a stand at Signal E372.

Dated: 12/09/15

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

EASTLEIGH

Propelling trains from Up Fast line to carriage sidings

Up trains which are to be propelled into the carriage sidings must be brought to a stand clear of Up Fast line position light signal 222. When, due to the length of the train, the Driver is unable to clearly see position light signal 222, he must continue towards London to the approach side of repeating position light signal 222R and stop when he can see the aspects displayed.

During the movement the Guard, if provided, must remain in the rear cab of the locomotive and assist the Driver in observing any handsignals as the train enters the sidings.

Former Locomotive Holding sidings (No.s 8 to 11 Back roads)

Inwards movements must be made via the spur line from the Down Carriage sidings, proceeding over the spring points before setting back into No.8, 9, 10 or 11 Back road.

Outwards movements must not be made over the Spur line, except in exceptional circumstances, when the Carriage Sidings Shunter must authorise and accompany all movements between the spring points and position light signal 225.

Movements departing from the Down Carriage sidings via position light signal 225 must be brought to a stand clear of the connection to the Spur line to the Locomotive Holding sidings.

Conveyance of military explosives

Clause C1.5 (e), Pink Pages, refers. Conveyance of military explosives between the locations shown below in either direction may be regarded as trip working and barrier vehicles may be dispensed with:

Eastleigh and Marchwood

Dated: 02/12/06

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

Southampton Tunnel

Use of Staff Protection Lock-Out Device (PLOD) in connection with Handbook 8 and Handbook 21
A Protection Lock-Out Device (PLOD) is provided for the sections of line shown in the table below. When the PLOD is operated, train movements over the section of line concerned are stopped and locked out by the signalling system.

The PLOD key/switch must be considered to be a “single line staff or token” for the purposes of applying this procedure (as shown in Handbook 8 – section 2.5 and Handbook 21).

The SWL/COSS/IWA must agree with the signaller, which line will be affected and carry out the necessary arrangements to operate the Staff Protection Lock Out Device for the section concerned before the protection is granted.

Line	Limit of section between		Location
	Points/Signal	Points/Signal	
Up Main	E839, E711, E713, E717 signals clear of E513 points	E730, E732, E734, E736 signals clear of E516 points	Southampton Tunnel
Down Main	E730, E732, E734, E736 signals clear of E512 points	E839, E711, E713, E717 signals clear of E518 points	Southampton Tunnel

Dated: 06/12/14

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

SOUTHAMPTON CENTRAL

Locomotive hauled trains may be berthed in the Up Goods loop. During darkness or other conditions of poor visibility, the person in charge must ensure that a lamp displaying a red aspect is placed on the end(s) of the train to face any movement which may approach on the same line. The Driver and Guard must advise the person in charge when they have carried out their respective duties for berthing the train.

Dated: 20/08/11

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

Maritime Freightliner Terminal

Propelling Movements from E961 E965 to Redbridge Sidings

The Shift Supervisor or designated person in charge of the movement will obtain confirmation from the Signaller that the position light signal has been cleared before giving the Driver permission to commence the propelling movement.

All movements must be controlled by radio handsets.

Propelling Movements from E961 E965 to E779

The Shift Supervisor or designated person in charge of the movement will obtain confirmation from the Signaller that the position light signal has been cleared and E971 GPLS has been cleared before giving the Driver permission to commence the propelling movement.

All movements must be controlled by radio handsets.

Propelling Movements from E966 to E958

The Shift Supervisor or designated person in charge of the movement will obtain confirmation from the Signaller that the position light signal has been cleared before giving the Driver permission to commence the propelling movement.

No conflicting movements towards E961 E965 E956 within the freightliner terminal.

The Shift Supervisor or designated person in charge of the movement will advise the Signaller once the propelling movement has been completed and is in clear behind E963 GPLS.

All movements must be controlled by radio handsets.

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

BROCKENHURST

Platform 4 (Down Passenger Loop)

The normal stopping point for trains arriving from Lymington is the 'S' car stop mark in platform 4A approaching signal BH8.

In the event that platform sharing with the Lymington service and a down train is required, the following will apply:

- The Drivers of the trains concerned will be specially advised of the circumstances by the Signaller
- The maximum formation of the down train must not exceed 5 coaches
- The service arriving from Lymington must stop at the 'Platform 4B' stop mark

If platform sharing is to take place with two down trains (a follow on move), or the Lymington train is required to attach to another train in the platform, the movement must not be allowed to take place until the Drivers of the trains concerned have been specially advised of the circumstances, and it is confirmed that the two trains can be completely accommodated on the platform.

Platform sharing must not take place (other than for assistance purposes) in the event of a track circuit failure within the platform.

Dated: 28/05/11

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

BOURNEMOUTH

Bournemouth middle sidings 1 & 2 - carriage servicing

A lock out device is provided for the protection of staff working on trains in these sidings.

Two keys are locked in the machine until a release is given.

Before work commences the person in charge will contact the Signaller and request the release of a key from the machine. Provided it is in order to give the release, i.e. it is not necessary to allow another train into, or out of, the sidings, the Signaller may give the release.

After the release has been given, and the member of staff has withdrawn a key, it will not be possible to route a train into or out of either siding until the key(s) have been returned to the machine and the release button normalised.

Drivers of trains in these sidings must obtain the Signaller's permission before commencing any movement in either direction.

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

POOLE To WEYMOUTH

Electric trains are restricted between Poole and Weymouth as follows, the maximum train lengths for the line are:-

4 car class 450#

5 car class 444

5 car class 442

5 car class 701

One single 8-car class 450 working per day in each direction is permitted between Poole and Weymouth. Any other service between Poole and Weymouth at the same time must NOT exceed a 4-car class 450 or 5-car class 444

Additionally only one Class 73 locomotive on electric traction may operate between Poole and Weymouth at any time.

Any alteration to this instruction will be made by direct request from the WICC to the Eastleigh ECRO, who will, if conditions permit, grant authority for the movement.

Dated: 26/09/2020

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

Winchester and Shawford

Shawford “Wheel Impact Load Detection” (WILD) -`Wheelchex`

Wheel load impact detection monitoring (WILD) equipment is installed on the Down# and Up Main line at 68m 60ch.
#NOTE: Only the down direction is currently in operational use.

The purpose of this equipment is to minimise the possibility of track damage caused by wheel defects or overloaded vehicles and to provide details of all trains with wheel loads outside acceptable limits.

It measures train / vehicle wheel loads and impact forces and is programmed to alert Wessex Integrated Control Centre (WICC) when Alarm levels are generated.

In the event of an Alarm activation the Control will contact the Shift Signaller Manager, or Signaller on Panel 1 or 2 at Eastleigh ASC as necessary and advise of the action required by the Signaller dependent upon the level of alarm generated.

Dated: 01/05/2023

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

WOOL

Vehicles must not be left on the running line during shunting operations at Winfrith U.K.A.E.A. sidings.

Dated: 27/09/08

SW105 - CLAPHAM JUNCTION TO WEYMOUTH

WEYMOUTH

Jubilee Siding

An inspection pit is provided within a gated compound in this siding. Prior to any work being carried out on a train in this siding, a Designated Person must be appointed and protection afforded in accordance with the Rule Book, Module T10..

Jersey Sidings

Jersey Siding leading toNo.2 (run-round) siding is operated by a normal lever operated handpoint. which must be checked before any movement is made over them. These points must normally be set for No.1 sidings, however, when stock is berthed in No.1 siding, the points must be set for No.2 siding.

No.2 siding is electrified for a distance of approximately 130m, fully accommodating a 4 or 5 car Electric Multiple Unit, Class 444 train. A 'limit for electric trains' board is provided at the end of the electrified section. Electric trains of longer than 5 coaches will be required to pass this board so the train is accommodated in the siding. Before passing the 'limit for electric trains' board, the Driver must make sure that the 'Weymouth' end and ‘London’ end unit (both units) are fully operational and there is no possibility that the train will become gapped.

Dated: 27/09/08

SW110 - WOKING JUNCTION TO PORTSMOUTH HARBOUR

WOKING

WOKING DOWN YARD

Propelling Movements from WK610 to Woking down yard.
The Shunter or designated person in charge of the movement will obtain confirmation from the Signaller that WK610 signal has been cleared before giving the Driver permission to commence the propelling movement, All movements must be controlled by radio handsets.

Propelling Movements from WK511 Woking down yard to WK803 down Guildford line.
The Shunter or designated person in charge of the movement will obtain confirmation from the Signaller that WK511 signal has been cleared and the route is clear up to and including the overlap track circuit of WK805 signal before giving the Driver permission to commence the propelling movement, All movements must be controlled by radio handsets.

Dated: 08/10/16

SW110 - WOKING JUNCTION TO PORTSMOUTH HARBOUR

GUILDFORD

Before a shunting movement is made from one platform to another the platform staff or the Signaller must inform the Driver whether it will be signalled via the tunnel or via the London end of the station. ,

Movements to and from Guildford Carriage Sidings

Inwards movements - The Signaller must obtain the permission of the Person in Charge before operating signal GD1305 or GD635.

Outwards movements - The Person in Charge must inform the Signaller when a movement is ready to depart from the sidings.

Dated: 27/09/08

SW110 - WOKING JUNCTION TO PORTSMOUTH HARBOUR

FRATTON To PORTSMOUTH & SOUTHSEA

Use of Staff Protection Lock Out Device in connection with Rule Book Module T2H at Buriton Tunnel and between Fratton and Portsmouth & Southsea

Staff Protection Lock Out Devices are provided for the sections of line shown in the table below. When the 'Lock out' is operated, train movements over the section of line concerned are stopped and locked out by the signalling system.

The Staff Protection Lock Out Devices must be used in conjunction with protection in accordance with Rule Book Module T2H. The COSS/IWA must agree with the signaller, which line will be affected and carry out the necessary arrangements to operate the Staff Protection Lock Out Device for the section concerned before the protection is granted. When using the Staff Protection Lock Out device in connection with T2H protection, detonator protection is not required for the line on which the 'Lock Out' section applies, Rule Book Module T2, Section 2, clause 2.5 applies.

Section No	Line	Limits of Section Between		Location
		Points/Signal	Points/Signal	
820	Up Main	HT4	HT2	Buriton Tunnel
821	Down Main	HT3	HT5	Buriton Tunnel
850	Back Road	GF20* & GF22*	HT552	Fratton
851	Down Main	2704 pts	HT571	Fratton to Blackfriars Jn**
852	Up & Down Fratton	2706 pts	HT573	Fratton to Blackfriars Jn
853	Up Main	2714pts	2705 pts	Blackfriars Jn to Fratton
860	Back Road	2707pts	HT556	Fratton to Blackfriars Jn
861	Down Main	HT571	2717 pts	Blackfriars Jn
862	Up & Down Fratton	HT573	2717 pts	Blackfriars Jn
863	Up Main	HT450,HT452, HT64	London side of 2714 pts	Blackfriars Jn

* Signals controlled by Fratton Depot Ground Frame

** Blackfriars Jn is the point work London side of Portsmouth & Southsea Low level station.

Dated: 07/11/09

SW110 - WOKING JUNCTION TO PORTSMOUTH HARBOUR

PORTSMOUTH HARBOUR

Platforms 3, 4 and 5 are restricted to 12 cars only and, if there are 12 cars, they must not consist of more than two trains.

Whenever trains are coupled or uncoupled in any platform, the Person in Charge of the platform must advise the Signaller that coupling / uncoupling has taken place and the identity and formation of the trains standing in the platform.

Dated: 02/12/06

SW115 - WORTING JUNCTION TO EXETER ST. DAVIDS

LUDGERSHALL BRANCH LINE:

ANDOVER UP YARD SIDINGS AND LUDGERSHALL BRANCH

Protection Arrangements – If movements can enter from either end:

The PICOS/IWA/COSS/SWL or PICOP are responsible when arranging protection in connection with a Sidings Possession, Line Blockage, or T3 Possession, to consider and place suitable protection beyond BE464 Stop Board (*Andover end branch line*) to prevent any movements entering any lines that are being protected.

BE471/BE466 Stop Boards Start/End of Section (One Tran Working – OTW) to Ludgershall

The Annett's key for the Ludgershall Branch line is kept locked in a box on a post adjacent to the former ground frame at Andover Up Yard Sidings. The key which is required to open the box is a BR1 key.

For a movement onto the Ludgershall Branch line beyond BE471 Stop Board the Shunter or Nominated Person in Charge (PIC) must hand the Annett's key to the Driver

The Signaller at Basingstoke Main ASC (BE) must be advised when the train is ready to proceed towards the Ludgershall Branch line with the Annett`s key.

NOTE: IT IS THE RESPONSIBILITY OF THE SHUNTER / NOMINATED PERSON IN CHARGE (see table D page 138) TO CHECK THAT THERE ARE NO OTHER CONFLICTING MOVEMENTS, ALL HAND POINTS ARE IN THE REQUIRED POSITION BEFORE AUTHORISING THE MOVEMENT TO PASS ANY STOP BOARDS VIA ANDOVER UP YARD SIDINGS TOWARDS THE LUDGERSHALL BRANCH LINE AND BE471 START OF SECTION (OTW)

For a movement leaving the Ludgershall Branch line, the Shunter / Nominated PIC must obtain the Annett's key from the Driver and when the train is clear of the Ludgershall Branch line and returned to Andover secure it in the box .The Signaller at Basingstoke Main ASC (BE) must be advised when the train is clear of the Ludgershall Branch line and the

Annetts Key returned to the box. Any instructions or information regarding the train and further movements must be provided to the signaller where required.

Ludgershall Loop:

NOTE: Duties shown to be carried out by the Shunter in this instruction must be carried out by the Nominated Person in Charge in the case of D.O. trains, light locomotives and other trains including MPVs operating over the branch line where no Shunter is provided.

Inbound trains. After passing the `Check Hand Points` board the Shunter must check that the handpoints are correctly set for the movement before proceeding towards the Stop Board on the approach to the MOD Depot end of the loop.

Trains for MOD Depot:

Before any movement passes the Stop Board `Await instructions from MOD control`, the Shunter must have obtained the authority from the MOD control or the MOD Nominated Person in Charge.

When a locomotive that has worked a train to the Ludgershall Loop has been detached to proceed or has proceeded into the MOD Depot, it is permitted on the authority of the Shunter for the MOD Depot locomotive to proceed when clear via the other available loop line to the rear of the train, attach and propel the train into the MOD Depot.

Other Trains Reversing or Running Round Towards the MOD Depot Gates:

Before any movement passes the Stop Board `Await instructions from MOD control`, the Shunter must have obtained the authority from the MOD control or the MOD Nominated Person in Charge. If this is not possible, then the Shunter in this circumstance is permitted to check that the handpoints beyond the Stop Board are correctly set, confirm that no conflicting movement is in progress and check the MOD gates are closed, then the movement is authorised to pass the Stop Board.

Outbound trains.

After passing the `Check Hand Points` board the Shunter must check that the handpoints are correctly set for the movement before proceeding towards the Stop Board on the single line section towards Andover.

Only trains that the Driver is in possession of the `Annett's Key` are authorised to pass the Stop Board and proceed over the single line towards Andover.

Other movements, when for e.g. `Running Round` a train or the MOD Locomotive proceeding to the rear of a train on one of the loop lines, are permitted to approach the Stop Board as far as the movement requires. **NOTE: MOD Locomotives are NOT PERMITTED beyond the Stop Board under any circumstances.**

Berrys Foot Path Level Crossing - 5m 52ch:

When making any movements associated with the above instructions, Drivers and/or Shunter are additionally reminded to apply the relevant rules, instructions and adherence to the warning signs provided when approaching and passing over the level crossing.

Dated: 04/05/2024

SW115 – WORTING JUNCTION TO EXETER ST. DAVIDS

Fisherton Tunnel

Because of the distances between refuges, persons are prohibited from going on or near the line unless protection is provided on one or more lines (as appropriate) by one of the following means:-

a) protection in accordance with Handbook 8, Handbook 20 or under possession of the line for engineering work as shown in the Rule Book, Module T3;

b) in emergency, blockage of one or both lines in accordance with the Handbook 2 or, if called to site by the Signaller, protection in accordance with Handbook 8;

c) the presence of a disabled train in connection with which it is necessary to protect the line in accordance with the Rule Book, Module M1 & M2.

Dated: 30/05/20

SW115 - WORTING JUNCTION TO EXETER ST. DAVIDS

SALISBURY

Movements on the reception siding

The Signaller is designated as the person in charge for movements over the Reception siding.

The driver of any stationary train in the Reception siding which is NOT stood at SY231 or SY224 signals, must obtain permission of the Salisbury signaller before movement of that train commences towards either signal SY231 or SY224 signals unless either signal is already showing a proceed aspect for that movement.

Salisbury Station Area - Shunting Movements

Before a shunting movement is made in the station area or, to or from the Traincare depot, the Driver must contact the Signaller for information as to the movement's route and destination and, if applicable, the service which it is to form. Where provided, the driver must be registered on the GSM-R radio for all movements. In the case of a movement from the Traincare depot, the shunter must telephone the signaller and advise them of the train ID/departure time & formation of all outgoing movements so that the signaller can then input the train ID into SY232 berth so that the Driver can register the GSM-R. The Shunter will authorise the Driver to proceed as far as Signal SY232 at the Depot exit, where the Driver will register the GSM-R radio and liaise directly with the Signaller regarding the destination of the unit.

All movements signalled via the East end of the station must proceed beyond and stop clear of position light signal SY217 or SY215 in preparation for the next movement. If the movement is to form the front portion of a service, the Driver must position it as indicated on the platform edge; all other movements must be positioned at the appropriate car stop mark.

Salisbury All Platforms

Guards are authorised to operate the 'Train Ready to Start' (TRTS) plunger instead of the person in charge of the platform.

The TRTS must be operated at least 60 seconds prior to the departure time of the train when the platform starting signal l has not been cleared.

The TRTS must also be operated when the signaller has been previously advised a train is being delayed when the following apply (providing the train is ready to depart).

After Fitter's work has been completed

After short notice traincrew changeovers.

After agreed connections have been made

Rail movements to and from Salisbury Depot

Movements to and from the depot are controlled by Salisbury signal box (SY). Entrance to the depot is authorised by the clearance of signal SY231 after the Depot Shunter has given his permission by means of the acceptance switch which will allow one inward movement. If a shunting movement is to be made onto the Depot Reception or headshunt the Shift Supervisor of the depot must first advise the Signaller. Because of the danger of possible unauthorised use of the Shunter's acceptance switch, whenever the switch is operated the Signaller must speak to the Shunter before clearing the route.

Dated: 07/05/16

SW115 - WORTING JUNCTION TO EXETER ST. DAVIDS

Quidhampton Siding

A Shunter must accompany all movements.

Inwards movements will be authorised to pass the "Stop" board located before the private conpany sidings after permission has been obtained from the Person in charge.

Dated: 27/09/08

SW115 – WORTING JUNCTION TO EXETER ST DAVIDS

Yeovil Junction

STOP BOARDS SE4731 (Down Siding No.1) & SE4733 (Down Siding No.2)

These stop boards are worded 'STOP – Await Instructions'.

The authority to pass these stop boards will normally be given by the 'Authorised Person' who is the person-in-charge of the rail movement from Down Siding No.1 or Down Siding No.2 to the headshunt and/or the Heritage Railway Centre at the Country end of both sidings. In all cases, the 'Authorised Person' should reach a clear understanding with the Basingstoke signaller regarding the intended movement(s) **before** authorising a movement to pass the relevant 'Stop Board'.

(a) For movements to the Yeovil Heritage Railway a Network Rail Mobile Operations Manager is designated as the 'Authorised Person' and only this person will be responsible for authorising drivers to pass stop boards SE4731 or SE4733. There is no requirement for this 'Authorised Person' to seek permission from the Basingstoke Signaller to pass the relevant stop board for movements towards the buffer stops of the headshunt.

(b) For other movements requiring to pass the stop boards but which are **NOT** going to the Yeovil Heritage Railway then the 'Authorised Person' will be the shunter or other 'groundstaff' controlling the movement. There is no requirement for this 'Authorised Person' to seek permission from the Basingstoke signaller to pass the relevant stop board for movements towards the buffer stops of the headshunt.

(c) When a shunter or other groundstaff are not provided the Basingstoke signaller becomes the 'Authorised Person' and this signaller will authorise the Driver of the movement to:

- Ensure that both sets of handpoints in the route ahead are correctly set for the intended movement before passing over them
- Proceed as far as the line is clear as is necessary for the intended movement
- Pass the relevant stop board.

Yeovil Junction Heritage Railway

Access to the Yeovil Junction Heritage Railway sidings, which are operated by the South West Main Line Steam Company (SWMLSCo), is via handpoints at both the London and Country ends of Yeovil Down Siding No.1. These handpoints are normally kept clipped and padlocked in their normal position with the keys to the padlocks being held in the Mobile Operations Managers office at Yeovil Junction. Gates, which give access to the Yeovil Heritage railway sidings, are also normally secured across the line on both routes which lead from Down Siding No.1.

Before any movement is made to or from the Heritage sidings a Network Rail Representative (normally the Yeovil Junction Mobile Operations Manager) must reach a clear understanding with the SWMLSCo Person In Charge regarding the movement to be made. The Network Rail Representative must then liaise with the Basingstoke (West of England) signaller regarding the intended movement(s).

On completion of all movements, the Network Rail Representative must ensure both gates are closed and secured and that all the handpoints which give access to the Heritage Railway sidings are secured in their 'normal' position and the keys to the padlocks returned to the Mobile Operations Manager's office at Yeovil Junction.

Heritage Railway Platform (Down Siding No.1)

Trains conveying passengers are authorised to run to, and depart from, the Heritage Railway Platform (Down siding No.1) at Yeovil Junction when the arrangements are published.

For an Up train conveying passengers from the Heritage Railway platform (Down siding No.1) the clearance of position light signal SE4722 is the authority for the train to depart once the normal train despatch procedures have been complied with.

Depending upon which line the train will be routed towards, the signaller will ensure, where possible, before SE4722 is cleared that the following signal(s) shown in the table below is also cleared:

Line	Signal
Up Exeter Reversible	**SE4710**
Yeovil Pen Mill branch line	**SE4752**

Dated:09/11/13

SW115 – WORTING JUNCTION TO EXETER ST. DAVIDS

AXMINSTER

Use of Staff Protection Lock-Out Device (PLOD) in connection with Handbook 8 and Handbook 21 at Axminster

A Protection Lock-Out Device (PLOD) is provided for the sections of line shown in the table below. When the PLOD is operated, train movements over the section of line concerned are stopped and locked out by the signalling system.

The PLOD key/switch must be considered to be a “single line staff or token” for the purposes of applying this procedure (as shown in Handbook 8 – section 2.5)

The SWL/COSS/IWA must agree with the signaller, which line will be affected and carry out the necessary arrangements to operate the Staff Protection Lock Out Device for the section concerned before the protection is granted.

Line	Limit of section between		Location
	Points/Signal	Points/Signal	
Up Main	SE4797 signal clear of SE2826 points	SE4783 signal clear of SE2825 points	Up Main
Down Main	SE4783 signal clear of SE2825 points	SE4794 signal clear of SE2826 points	Down Main

Dated:06/12/14

SW115 - WORTING JUNCTION TO EXETER ST. DAVIDS

HONITON

When it is necessary for an up train to terminate and start back in the down direction from platform 2 via SE4809 signal. Drivers are reminded that there is no Automatic Warning System (AWS) equipment provided for SE4809 signal and the AWS magnet located at the country end of platform 2 is associated with SE4800 signal in the up direction only. This magnet is ‘supressed’ and departing down trains will not receive any AWS indications for this movement.

Dated: 18/05/19

SW120 - PIRBRIGHT JN TO ALTON

FARNHAM To ALTON

Drivers of trains hauled by more than one Class 73 locomotive must work under series-only conditions when on electric power.

Dated: 27/09/08

SW120 - PIRBRIGHT JN TO ALTON

BENTLEY

Using the warning horn – Departure of stopping trains in the up direction

The driver of an up direction train which has stopped at Bentley station must sound the warning horn immediately before starting the train. This is to provide adequate warning to any user at Alice Holt LC.

Dated: 03/09/11

SW120 - PIRBRIGHT JN TO ALTON

ALTON

When Station staff are not in attendance a member of the Traincrew must operate the “Train Ready to Start” plunger immediately prior to the booked departure time or, in the case of late running, when the train is ready to depart.

Application of hand brakes at oil/chemical depots/sidings

Clauses D3.3, D4.2 (b) and D5.1 Pink Pages, refer, handbrakes must be applied on each group of wagons left in the undermentioned sidings as follows:-

Holybourne first 3 wagons

Dated: 02/12/06

SW135 - EASTLEIGH TO FAREHAM

BOTLEY

When operational necessary it is permitted for a single locomotive to proceed on to the single line from Botley in order to run round it’s train when a T3 Possession has been granted beyond E480 points.

The following instructions must be adhered to:-

An entry will be published in the WON under the appropriate item number to advise that this process is to apply.

- The possession must be planned to be a T3 Possession ahead of E480 points.
- The detonator protection and possession limit board must be in placed beyond 79M 48ch before these instructions can apply
- The Possession may not be sub-standard at Botley.

PICOP may give the Signaller permission to allow a movement to take place towards the Protection point only when the following applies:-

- The Protection is placed beyond 79M 48ch towards Fareham.
- The protection is not in the process of being placed or removed.
- No on track movement is being made with ¼ mile of the protection (where necessary confirmation must be received form ES that all movements are at a stand)

When the PICOP has given permission for a locomotive movement towards the detonator protection, you must not allow any rail movement to be made towards the protection until the Signaller has confirmed to you that the locomotive movement has been completed.

Dated: 05/07/15

SW135 - EASTLEIGH TO FAREHAM

Entire Line Of Route

Electric trains must not exceed a conductor rail index of 14.

Dated: 02/12/06

SW140 - ST. DENYS TO PORTCREEK JUNCTION

FAREHAM

All drivers of terminating trains which require shunting via either the Up Netley or Up Portsmouth lines, must contact the signaller before any movement is made, even if a signal is already cleared. This is to ensure that the signaller is aware of and has a clear understanding of the movement to be made.

Dated: 02/12/06

SW140 - ST. DENYS TO PORTCREEK JUNCTION

Entire Line Of Route

Electric trains must not exceed a conductor rail index of 14.

Drivers of trains hauled by more than one Class 73 locomotive must work under series-only conditions when on electric power.

Dated: 27/09/08

SW150 - REDBRIDGE TO SALISBURY TUNNEL JUNCTION

Dunbridge LC (AHBC)

A Box locked with a BR 1 key are provided on the Down platform at Dunbridge adjacent to signal SY1. If it is necessary for the signal to be passed at Danger the Signaller will additionally instruct the driver to open the box and depress the plunger to lower the level crossing barriers. The Driver must close and lock the box before returning to his train.

Drivers of trains hauled by more than one Class 73 locomotive must work under series-only conditions when on electric power.

Dated: 27/09/07

SW155 - TOTTON TO FAWLEY (GOODS LINE)

Fawley GF

No movement must be made beyond the railway boundary gate over the Esso road level crossing into the Hardley siding until permission to proceed has been received from the firm's Shunter, who will be responsible for the safety of movements over the crossing.

Traffic will be exchanged at the locomotive restriction board situated at the far side of the Esso road crossing. Train locomotives must not pass beyond the locomotive restriction board.

This siding may be worked by special trip, without a brakevan, propelling from Fawley over the single line to the connection at the Fawley end of the siding and hauled back to Fawley. A key token must be withdrawn for the movement. Propelled movements must not exceed 10 vehicles.

Application of hand brakes at oil/chemical depots/sidings

Clauses D3.3, D4.2 (b) and D5.1 Pink Pages, refer, handbrakes must be applied on each group of wagons left in the undermentioned sidings as follows:-

Fawley - Cadlands Exchange Sidings first 3 wagons and last three wagons on each train

Dated: 02/12/06

SW160 - BROCKENHURST TO LYMINGTON PIER

Entire Line Of Route

Electric trains working onto the Single line, which commences at signal BH17, must not exceed 4 cars or a conductor rail index of 8. If a train has a conductor rail index greater than 4 the Driver must work under series-only conditions.

Drivers of trains hauled by more than one Class 73 locomotive must work under series-only conditions when on electric power.

Dated: 27/09/08

SW175 - CASTLE CARY TO DORCHESTER JUNCTION

MAIDEN NEWTON

Down trains

On arrival of a down train the Driver must, after carrying out the requirements of NSTR instructions, clause 3.2, then operate the plunger which will enable signal MN 3 to clear and observe that the green light in the Token Hut is illuminated.

If the signal fails to clear or the green light is not illuminated, he must telephone the Signaller at Dorchester South and carry out his instructions.

Up trains

When an up train arrives at Maiden Newton, the Driver must observe the requirements of NSTR instructions, clauses 3.2.1, 3.2.2 and 3.2.3.

Provided the train is complete and it has not been necessary to secure the points, the Driver must operate the plunger in the Up Platform Token Hut. If it has been necessary to secure the points, the plunger must not be operated until the Dorchester South Signaller has been advised that it was necessary to secure the points and the points handle, clamp and scotch have been returned to the cabinet. The plunger must be kept depressed until the red light is extinguished and the white light illuminated. If the white light fails to illuminate within ten seconds he must advise the Dorchester South Signaller.

Having carried out these instructions the Driver must then telephone the Yeovil Pen Mill Signaller and obtain permission to withdraw a token.

Dated: 02/12/06

SW175 - CASTLE CARY TO DORCHESTER JUNCTION

MAIDEN NEWTON To Dorchester Jn

Tokenless Block Working

Trains may be authorised to proceed by issue of form RT3177 *Tokenless block lines – Failure of signalling equipment* .as shown in Module P2 – Woking single and bi-directional lines by pilotman.

The Driver must complete form RT3177 when the circumstances are dictated by the Dorchester South Signaller and repeat the details back to the Signaller. The Signaller will then authorise the Driver to enter the section.

Down trains - On arrival at Dorchester West, the Driver must immediately write the word “Cancelled” across the front of form RT3177. On arrival at Weymouth the Driver must give the cancelled form to the person in charge of the station.

Up trains - On arrival at Maiden Newton, the Driver must immediately write the word “Cancelled” across the front of form RT3177. On arrival at Yeovil Pen Mill the driver must give the cancelled form to the Signaller.

Dated: 09/06/12

SW180 - RAYNES PARK TO HORSHAM

EPSOM

4-car and 8-car stopping marks are provided in the Down and Up sidings as an indication that an in going movement of the respective length is clear of all points leading to the running lines. They do not apply to movements into these sidings for berthing. A stopping mark is provided at the country end of both sidings, at which the first berthing movement must stop. All following berthing movements must draw up in close order leaving the maximum room for other movements to be made.

The Driver of a train from the down or up sidings must ask the Signaller for permission to draw up to the position light signal at the London end of the sidings. The Driver must operate the 'Train Ready To Start' plunger when ready to leave the siding.

Dated: 02/12/06

SW185 - MOTSPUR PARK TO CHESSINGTON SOUTH

CHESSINGTON SOUTH

The Driver or Guard if provided, of an up train must operate the 'Train Ready to Start' plunger provided in the case on the wall outside the ticket office immediately before the booked departure time or, in the case of late running, when the train is ready to depart.

Dated: 02/12/06

SW195 - HAMPTON COURT JUNCTION TO HAMPTON COURT

HAMPTON COURT

When station staff are not in attendance the Driver, or Guard (if provided) of a passenger train must operate the 'Train Ready To Start' plunger, immediately prior to the booked time of departure, or in the case of late running when the train is ready to depart. The plunger must be held in until the red light located in the plunger base plate has illuminated.

Dated: 02/12/06

SW210 – CLAPHAM JUNCTION TO READING

CLAPHAM JUNCTION To BARNES

Provision of a Position of Safety for Patrolmen

To provide a position of safety for Patrolmen carrying out infrastructure inspection and minor maintenance work directly associated with patrolling between Waterloo and Vauxhall (Main Lines) and Waterloo and Barnes (Windsor Lines), protection in accordance with Handbook 8 (Section 2) and Handbook 21 may be given (as shown below) on either the , Down Windsor, Down Windsor Slow, Down Windsor Fast, Putney Reversible, Up Main Relief, Ludgates, Windsor Reversible or Up Windsor Slow between the locations shown at the request of the SWL/COSS (or PC), subject to the request being in accordance with the arrangements agreed with the local manager.

The SWL/COSS (or PC) must agree, with the signaller, which line will be used for this purpose. The SWL/COSS (or PC) will arrange for detonator protection to be provided at the entrance to the affected line clear of the points listed in the 'Beyond points ahead' column below. Each line has its own unique form, which must be used on each occasion.

Procedure for blocking the line when used for the Provision of a Position of Safety for Patrolmen between Waterloo and Vauxhall (Main Lines) and Waterloo and Barnes (Windsor Lines)

All references to the signaller in this section refer to the signaller at Wimbledon Area Signalling Centre (ASC)

Handbook 8 and Handbook 21 the following conditions apply

1. The procedure may only be used for track patrolling
2. The procedure may only be used at locations authorised in the Wessex Route Section Appendix
3. The procedure requires the use of location specific forms conforming to a prescribed format
4. The procedure shall be pre-planned but not published in the weekly operating notice (WON)

The following procedure shall apply:

1. Patrolling will be carried out in a line blockage. The Patrolman is also the SWL/COSS
2. A blocked line shall be considered a position of safety.
3. Lookout(s) shall be provided at all times.
4. The SWL/COSS (when in a position of safety) shall ask the signaller for permission to place the necessary detonator protection for the line blockage.
5. The signaller shall place reminder appliances on the affected signalling controls.
6. The signaller shall give the SWL/COSS permission to place the detonator protection at the entrance to the affected section and clear of the designated points.
7. Using the protection of the look out, the SWL/COSS shall proceed across open lines to where the protection is to be placed, and place it.
8. The SWL/COSS shall remain at the possession limit board (PLB) in the four-foot and tell the signaller that the necessary protection has been placed
9. The signaller shall confirm to the SWL/COSS that the line is then blocked and issue authority number to the COSS. Both signaller and SWL/COSS must complete a line blockage form.
10. The SWL/COSS shall carry out patrol duties with lookout(s).
11. When the work is finished the SWL/COSS shall go to a position of safety and ask the signaller for permission to remove the track protection.
12. The signaller shall give the SWL/COSS permission to remove the track protection.
13. The SWL/COSS will remove the track protection and return to a position of safety across open lines using look out protection.
14. The SWL/COSS shall tell the signaller that the track protection has been removed.
15. The signaller shall cancel the authority number and both signaller and SWL/COSS shall update their line blockage forms (see next page)..

LINE	FORM	CLEAR OF POINTS IN REAR	CLEAR OF POINTS AHEAD
DOWN WINDSOR FAST	U	617 pts	651 pts
UP WINDSOR FAST	Z	2583 pts	664 pts
UP WINDSOR SLOW	Y	647 pts	624/625 fixed diamond
PUTNEY REVERSIBLE	PU	693 pts	W353 Signal
DOWN WINDSOR FAST	Q	692 pts	2581 pts
WINDSOR REVERSIBLE	WR	1535 pts	1585 pts
DOWN WINDSOR FAST	J	1590 pts	1780 pts
UP MAIN RELIEF	UMR	1583 pts	1525 pts
SOUTH SIDING	G	USED AS A POSITION OF SAFETY as shown in handbook 13	
LUDGATES	L	W135 signal	642 pts
UP WINDSOR SLOW	Y	647 pts	624/625 fixed diamond
DOWN WINDSOR SLOW	R	687 pts	692 pts

Dated: 16/10/17

SW225 - POINT PLEASANT JUNCTION TO WIMBLEDON

East Putney Tunnel

Diagonal yellow lines are marked on the tunnel walls to indicate the location of the nearest refuge. They lead from the centre point between two refuges down to the refuges. When persons are in the tunnel they must follow the descending lines to the nearest refuge.

Dated: 02/12/06

SW225 - POINT PLEASANT JUNCTION TO WIMBLEDON

Entire Line Of Route

Due to the slow operation of trainstops, dual aspects may momentarily be displayed by the signal concerned. If a dual aspect remains displayed Drivers must immediately telephone the Signaller.

Dated: 02/12/06

SW230 BARNES TO FELTHAM JUNCTION (VIA HOUNSLOW)

Barnes River Bridge

Passage of light locomotives and locomotive hauled trains (passenger & freight) – Temporary Conditions of Travel Restrictions – RA4

All light locomotive and locomotive hauled traffic are subject for the **RA4** Conditions of Travel to the restrictions contained within SW230 Table A page Seq 001and the Route Availability tables D4A to D4D to not proceed at no more than 20moh over Barnes River Bridge at 07m 59ch Thames River (Barnes)

NOTE: This is for the duration of the Short Term Network Change until 31/07/2026

Dated: 21/10/23

SW245 - TWICKENHAM TO SHACKLEGATE JUNCTION

STRAWBERRY HILL

Train movements between Strawberry Hill station and Strawberry Hill Depot and Carriage Sidings.

4 car and 5 - 8 car 'Depot' stop marks are provided on the Up line platform at Strawberry Hill, to assist Drivers of trains arriving from the 'Kingston' or 'Fulwell' direction in stopping the rear of the train clear of signal BEF2461 (including 'yard to yard' shunt moves to or from the Depot or Carriage

Sidings). Drivers of 8 car trains must request the Signaller to clear Up platform signal BEF2464 before drawing forward to the 8 car 'Depot' stop mark. If an 8 car passenger train is required to terminate in platform 2, the train must be brought to a stand at the normal 8 car stop, and station duties must be completed before drawing forward to the 8 car 'Depot' stop mark.

An 'S' car 'Depot' stop mark is also provided for trains arriving in the Up platform from the Twickenham direction, so the train can stand a suitable distance away from signal BEF2461 when required.

Terminating Trains Out Of Course

The signaller must, in this circumstance, contact the driver and establish one of the following:

Check whether they have the required route knowledge via Fulwell to reverse.

or

The Signaller must contact the driver and advise them that the train will terminate in the down platform then shunt to the up platform ECS

or

The Signaller must contact the driver and confirm that the train will terminate in the Up platform. Remind the driver about local door if 8 cars so that the guard can be informed and use Local Door only.

Dated: 21/08/2021

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ROUTE CLEARANCE

Last Updated: 24/05/2021

KENT SUSSEX

GENERAL NOTES

The following tables apply only to the working of trains over running lines and sidings listed in the Table As of the Sectional Appendix. All speed restrictions and local instructions shall be adhered to.

The notations (used in these tables) are explained as follows:

- **Y** Permitted to operate without restriction.
- **R** Permitted to operate but restrictions apply. See “Notes” column for details.
- **N** No published clearance*
- **E** ECS/transit - self powered
- **EH** ECS/transit - dead hauled
- **H** Hauled
- **B** When the loco’s RA is higher than that of the route then permission is ONLY given (B) for trains working to/from a possession, or to assist a failed train in an emergency. Prior permission must be obtained from Network Rail Control. Where “SPEED” is shown in the “Notes” column, please refer to Table D5A Route Clearance of Freight Vehicles for applicable speeds.
- **T** Permitted to operate with the Tilt system

* Where clearances are not published in the Sectional Appendix Route Clearance Tables, trains are only allowed to operate when specifically permitted and the authority has been formally published in an operating notice and / or Network Rail Acceptance Panel documentation.

Conditions of Operation

In addition to any restrictions published in the Route Clearance Tables, it shall be noted that there are other documents (Network Rail Acceptance Panel Summary of Rolling Stock/Infrastructure Compatibility, Discrepancy Registers, Local and General Instructions) that apply to operation on Network Rail managed infrastructure. The Railway Undertaking shall familiarise itself with these.
Tripcock fitted trains – when operating over Kent and Sussex 3rd Rail routes Tripcocks shall be maintained in the raised position.

Tables

- **D1** Diesel Multiple Units
- **D2** Electric Multiple Units
- **D3** Coaching Stock
- **D4** Locomotives Electric and Diesel
- **D5** Freight containers/swap bodies

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Table D1A – Route clearance of diesel multiple units

Last Updated: 23/10/2021

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	N	N	N	N	N	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	N	N	N	N	N	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	N	N	N	N	N	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	N	N	N	N	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	N	N	N	N	N	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	N	N	N	N	N	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	N	N	N	N	N	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	N	N	N	N	N	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	N	N	N	N	N	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	N	N	N	N	N	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	N	N	N	N	N	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	N	N	N	N	N	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	N	N	N	N	N	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	N	N	N	N	N	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	N	N	N	N	N	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	N	N	N	N	N	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	N	N	N	N	N	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	N	N	N	N	N	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	N	N	N	N	N	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	N	N	N	N	N	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	N	N	N	N	N	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	N	N	N	N	N	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	N	N	N	N	N	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	N	N	N	N	N	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	N	N	N	N	N	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	N	N	N	N	N	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	N	N	N	N	N	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	N	N	N	N	N	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	N	N	N	N	N	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	N	N	N	N	N	
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	N	N	N	N	N	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	N	N	N	N	N	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	N	N	N	N	N	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	N	N	N	N	N	
SO130	XTD	Borough Market Jn – London Bridge platforms 1- 9	1	50	1	69	N	N	N	N	N	
SO130	XTD	London Bridge platforms 1- 9 – North Kent East Jn	1	69	4	25	N	N	N	N	N	
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	N	N	N	N	N	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	N	N	N	N	N	
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	N	N	N	N	N	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	N	N	N	N	N	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	N	N	N	N	N	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	N	N	N	N	N	
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	N	N	N	N	N	
SO130	CSM2	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	N	N	N	N	N	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	N	N	N	N	N	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	N	N	N	N	N	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	N	N	N	N	N	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	N	N	N	N	N	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	N	N	N	N	N	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	N	N	N	N	N	
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	N	N	N	N	N	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	N	N	N	N	N	
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	N	N	N	N	N	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	N	N	N	N	N	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	N	N	N	N	N	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	N	N	N	N	N	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	N	N	N	N	N	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	N	N	N	N	N	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	N	N	N	N	N	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	N	N	N	N	N	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	N	N	N	N	N	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	N	N	N	N	N	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	N	N	N	N	N	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	N	N	N	N	N	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	N	N	N	N	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	N	N	N	N	N	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	N	N	N	N	N	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	N	N	N	N	N	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	N	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	N	N	N	N	N	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	N	N	N	N	N	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	N	N	N	N	N	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	N	N	N	N	N	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	N	N	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	N	N	N	N	N	
SO240	BME2	Sandwich – Minster South	86	46	82	21	N	N	N	N	N	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	N	N	N	N	N	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	N	N	N	N	N	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	N	N	N	N	N	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	N	N	N	N	N	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	N	N	N	N	N	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	N	N	N	N	N	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	N	N	N	N	N	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	N	N	N	N	N	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	N	N	N	N	N	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	N	Y	Y	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	Y	Y	Y	N	N	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	Y	Y	Y	N	N	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	Y	Y	Y	N	N	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	Y	Y	Y	N	N	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	Y	Y	Y	N	N	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	Y	Y	Y	N	N	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	Y	Y	Y	N	N	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	N	N	N	N	N	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	N	N	N	N	N	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	N	N	N	N	N	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	N	N	N	N	N	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	N	N	N	N	N	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	N	N	N	N	N	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	N	N	N	N	N	
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	N	N	N	N	N	
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	N	N	N	N	N	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	N	N	N	N	N	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	N	N	N	N	N	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	N	N	N	N	N	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	N	N	N	N	N	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	N	N	N	N	N	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	N	N	N	N	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	N	N	N	N	N	
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	N	N	N	N	N	
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	N	N	N	N	N	
SO290	NKL	Crayford Creek Jn – Crayford Spur ‘A’ Jn	15	66	16	42	N	N	N	N	N	
SO290	NKL	Crayford Spur ‘A’ Jn – Dartford Jn	16	42	16	75	N	N	N	N	N	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	N	N	N	N	N	
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	N	N	N	N	N	
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	N	N	N	N	N	
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	N	N	N	N	N	
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	N	N	N	N	N	
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	N	N	N	N	N	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	N	N	N	N	N	
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	N	N	N	N	N	
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	N	N	N	N	N	
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	N	N	N	N	N	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	N	N	N	N	N	
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	N	N	N	N	N	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	N	N	N	N	N	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	N	N	N	N	N	
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	N	N	N	N	N	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	N	N	N	N	N	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	N	N	N	N	N	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	N	N	N	N	N	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	N	N	N	N	N	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	N	N	N	N	N	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	N	N	N	N	N	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	N	N	N	N	N	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	N	N	N	N	N	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	N	N	N	N	N	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	N	N	N	N	N	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	N	N	N	N	N	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	N	N	N	N	N	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	N	N	N	N	N	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	N	N	N	N	N	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	R1	N	N	N	N	R1 OPPOS applies between crossover VC289 points and Falcon Jn VC290/292 points
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	N	N	N	N	N	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	N	N	N	N	N	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	N	N	N	N	N	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	N	N	N	N	N	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	N	N	N	N	N	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	N	N	N	N	N	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	N	N	N	N	N	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	N	N	N	N	N	
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	N	N	N	N	N	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	N	N	N	Y	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	N	N	N	N	N	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	N	N	N	R1 R2	R1 R2 R3	R1 20mph Three Bridges platforms 2, 4 and 5 R2 Prohibited Three Bridges platform 3 R3 Prohibited Haslett Avenue Bridge No.125 Up line
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	N	N	N	N	N	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	N	N	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	N	N	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	N	N	N	N	N	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	N	N	N	N	N	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	Y	R1 R2	R1 R2	N	R3	R1 70mph Preston Park platform 2 R2 Prohibited Preston Park platform 3 R3 OPPOS between Preston Park Jn and Hove Jn
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	Y	R1	R1	N	R2 R3	R2 Prohibited Brighton platforms 3 and 5 with crush deflated suspension R3 OPPOS between Preston Park and Brighton
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	N	N	N	N	N	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	N	N	N	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	N	N	N	N	N	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	N	N	N	N	N	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	N	N	N	N	N	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	N	N	N	N	N	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	N	N	N	N	N	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	N	N	N	N	N	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	N	N	N	N	N	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	N	N	N	N	N	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	N	N	N	N	N	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	N	N	N	N	N	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	N	N	N	N	N	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	N	N	N	N	N	
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	N	N	N	N	N	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	Y	Y	Y	N	Y	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	Y	Y	Y	N	R1 R2 R3 R4 R5	R1 Prohibited Chichester platform 1 with crush deflated suspension R2 Prohibited Chichester West Sidings R3 Prohibited Bosham platform 2 with crush deflated suspension R4 Prohibited Inlands Road Crossing with crush deflated suspension R5 OPPOS between Up Main line and Chichester Up Reception line
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	Y	Y	Y	N	Y	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	Y	Y	Y	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	158	159	165	166 RHM	Notes
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	Y	Y	Y	N	Y	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	Y	Y	Y	N	Y	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	Y	Y	Y	N	Y	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	Y	Y	Y	N	R1 R2	R1 Prohibited Portsmouth & Southsea platform 1 Up Main Fast line with air bags deflated / failed secondary suspension R2 Prohibited Portsmouth Harbour platforms 3 & 5
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	Y	Y	Y	N	R1 R2	R2 Prohibited Portsmouth & Southsea platform 1 Up Main Fast line with air bags deflated / failed secondary suspension R3 Prohibited Portsmouth Harbour platforms 3 & 5
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	N	N	N	N	N	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	N	N	N	N	N	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	N	N	N	N	N	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	N	N	N	N	N	
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	N	N	N	N	N	
SO560	RSJ	Redhill – Reigate	22	40	24	27	N	N	N	Y	Y	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	N	N	N	Y	Y	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	N	N	N	N	N	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	N	N	N	N	N	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	N	N	N	N	N	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	N	N	N	N	N	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	N	N	N	N	N	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	N	N	N	N	N	

SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	N	N	N	N	N	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	N	N	N	N	N	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	N	N	N	N	N	
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	N	N	N	N	N	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	N	N	N	N	N	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	N	N	N	N	N	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	N	N	N	N	N	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	N	N	N	N	N	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	Y	Y	Y	N	R1	R1 Prohibited Brighton Up platform 2 with crush deflated suspension
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	Y	Y	Y	N	Y	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	Y	Y	Y	N	R1 R2	R1 Prohibited Hove Carriage Sidings R2 OPPOS between Hove Jn and Hove
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	Y	Y	Y	N	R1 R2 R3 R4 R5 R6	R1 Prohibited Portslade platforms 1 and 2 with crush deflated suspension R2 Prohibited Southwick platform 2 with deflated suspension R3 Prohibited Shoreham-by-Sea Down platform 2 with deflated suspension R4 Prohibited Worthing platform 3 with crush deflated suspension R5 Prohibited Goring-by-Sea platform 1 with crush deflated suspension R6 Prohibited Goring-by-Sea platform 2 with deflated suspension
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	N	N	N	N	N	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	N	N	N	N	N	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	N	N	N	N	N	

SO640	BBR	Barnham – Bognor Regis	22	29	25	75	N	N	N	N	N	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	N	N	N	N	N	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	N	N	N	N	N	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	N	N	N	N	N	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	N	N	N	N	N	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	N	N	N	N	N	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	N	N	N	N	N	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	N	N	N	N	N	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	N	N	N	N	N	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	N	N	N	N	N	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	N	N	N	N	N	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	N	N	N	N	N	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	N	N	N	N	N	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	N	N	N	N	N	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	N	N	N	N	N	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	N	N	N	N	N	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	N	N	N	N	N	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	N	N	N	N	N	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	N	N	N	N	N	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	N	N	N	N	N	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	N	N	N	N	N	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	N	N	N	N	N	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	N	N	N	N	N	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	N	N	N	N	N	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	N	N	N	N	N	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	N	N	N	N	N	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	N	N	N	N	N	

SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	N	N	N	N	N	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	N	N	N	N	N	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	N	N	N	N	N	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	N	N	N	N	N	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	N	N	N	N	N	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham Jn [Duplicated in SW180]	21	09	35	34	N	N	N	N	N	
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	N	N	N	N	N	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	N	N	N	N	N	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	N	N	N	N	N	

Table D1B – Route clearance of diesel multiple units

Last Updated: 19/11/2022

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	N	N	N	N	N	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	E	Y	N	N	N	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	N	N	N	N	N	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	N	N	N	N	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	N	N	N	N	N	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	N	Y	N	Y	Y	
SO110	VIR	Factory Jn – Shepherds 5Lane Jn	1	61	2	70	N	N	N	Y	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	N	N	N	Y	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	N	N	N	Y	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	N	N	N	Y	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	N	N	N	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	N	N	N	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	N	N	N	Y	Y	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	N	N	N	N	N	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	N	N	N	N	N	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	N	N	N	N	N	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	N	N	N	N	N	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	N	N	N	N	N	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	N	N	N	N	N	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	N	N	N	N	N	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	N	N	N	N	N	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	N	N	N	N	N	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	N	N	N	N	N	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	N	N	N	N	N	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	N	N	N	N	N	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	N	N	N	N	N	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	N	N	N	N	N	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	N	N	N	N	N	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	N	N	N	N	N	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	N	N	N	N	N	
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	N	N	N	N	N	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	N	N	N	N	N	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	N	N	N	N	N	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	N	N	N	N	N	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	N	N	N	N	N	
SO130	XTD	London Bridge platforms 1-9– North Kent East Jn	1	69	4	25	N	N	N	N	N	
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	N	N	N	N	N	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	N	N	N	N	N	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	N	N	N	N	N	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	N	N	N	N	N	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	N	N	N	N	N	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	N	N	N	N	N	
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	N	N	N	N	N	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	N	N	N	N	N	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	N	N	N	N	N	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	N	N	N	N	N	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	N	N	N	N	N	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	N	Y	N	N	N	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	N	Y	N	N	N	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	N	Y	N	N	N	
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	N	Y	N	N	N	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	N	Y	N	N	N	
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	N	N	N	N	N	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	N	N	N	N	N	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	N	N	N	N	N	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	N	N	N	N	N	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	N	N	N	N	N	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	N	N	N	N	N	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	N	N	N	N	N	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	N	N	N	N	N	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	N	N	N	N	N	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	N	N	N	N	N	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	N	N	N	N	N	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	N	N	N	N	N	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	N	N	N	N	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	N	Y	N	N	N	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	N	Y	N	N	N	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	N	N	N	N	N	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	N	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	N	N	N	N	N	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	N	N	N	N	N	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	N	N	N	N	N	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	N	N	N	N	N	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	N	N	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	N	N	N	N	N	
SO240	BME2	Sandwich – Minster South	86	46	82	21	N	N	N	N	N	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	N	N	N	N	N	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	N	N	N	N	N	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	E	Y	N	N	N	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	E	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	E	Y	N	N	N	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	N	Y	N	N	N	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	E	Y	N	N	N	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	N	Y	N	N	N	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	N	Y	N	N	N	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	N	Y	N	Y	Y	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	N	N	N	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	N	Y	N	Y	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	N	Y	Y	Y	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	N	N	Y	N	N	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	N	Y	Y	Y	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	N	Y	Y	Y	Y	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	N	Y	Y	Y	Y	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	N	Y	Y	Y	Y	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	N	N	N	N	N	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	N	N	N	N	N	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	N	N	N	N	N	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	N	N	N	N	N	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	N	N	N	N	N	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	N	N	N	N	N	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	N	N	N	N	N	
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	N	N	N	N	N	
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	N	N	N	N	N	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	N	N	N	N	N	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	N	N	N	N	N	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	N	N	N	N	N	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	N	N	N	N	N	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	N	N	N	N	N	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	N	N	N	N	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	N	N	N	N	N	
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	N	N	N	N	N	
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	N	N	N	N	N	
SO290	NKL	Crayford Creek Jn – Crayford Spur ‘A’ Jn	15	66	16	42	N	N	N	N	N	
SO290	NKL	Crayford Spur ‘A’ Jn – Dartford Jn	16	42	16	75	N	N	N	N	N	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	N	N	N	N	N	
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	N	N	N	N	N	
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	N	N	N	N	N	
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	N	N	N	N	N	
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	N	N	N	N	N	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	N	N	N	N	N	
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	N	N	N	N	N	
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	N	N	N	N	N	
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	N	N	N	N	N	
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	N	N	N	N	N	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	N	N	N	N	N	
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	N	N	N	N	N	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	N	N	N	N	N	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	N	N	N	N	N	
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	N	N	N	N	N	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	N	N	N	N	N	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	N	N	N	N	N	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	N	N	N	N	N	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	N	N	N	N	N	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	N	N	N	N	N	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	N	N	N	N	N	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	N	N	N	N	N	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	N	N	N	N	N	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	N	N	N	N	N	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	N	N	N	N	N	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	N	Y	N	N	N	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	N	Y	N	N	N	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	N	Y	N	N	N	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	N	R1	N	R1	R1	R1 OPPOS applies between crossover VC289 points and Falcon Jn VC290/292 points
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	N	Y	N	Y	Y	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	N	Y	N	Y	N	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	N	N	N	N	N	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	N	N	N	N	N	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	N	Y	N	Y	N	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	N	N	N	N	N	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	N	Y	N	Y	N	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	N	Y	N	Y	Y	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	N	Y	N	Y	Y	
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	N	Y	N	Y	Y	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	N	Y	N	Y	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	N	Y	N	Y	Y	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	N	Y	N	Y	Y	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	N	Y	N	Y	Y	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	N	N	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	N	N	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	N	Y	N	Y	Y	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	N	Y	N	Y	Y	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	N	Y	N	N	N	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	N	Y	N	Y	Y	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	N	Y	N	N	N	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	N	N	N	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	N	Y	N	N	N	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	N	N	N	N	N	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	N	Y	N	N	N	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	N	Y	N	N	N	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	N	Y	N	Y	Y	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	N	Y	N	Y	Y	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	N	Y	N	N	N	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	N	N	N	N	N	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	N	Y	N	N	N	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	N	Y	N	N	N	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	N	R1 R2	N	N	N	R1 5mph Horsham Down Loop platform 4 R2 15mph Horsham Up Main platform 2
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	N	R1 R2 R3	N	N	N	R1 5mph Horsham Down Loop platform 4 R2 15mph Horsham Up Main platform 2 R3 15mph Billingshurst Down platform
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	N	R1 R2	N	N	N	R1 15mph Billingshurst Down platform R2 20mph Pulborough Up platform
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	Y	R1	N	N	N	R1 5mph Ford Down platform
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	Y	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	Y	Y	N	N	N	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	Y	Y	N	Y	Y	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	Y	Y	N	Y	Y	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	Y	Y	N	Y	Y	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	Y	Y	N	Y	Y	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	Y	Y	N	Y	Y	
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	Y	Y	N	Y	Y	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	N	Y	N	N	N	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	N	Y	N	N	N	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	N	Y	N	N	N	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	N	Y	N	N	N	
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	N	Y	N	N	N	
SO560	RSJ	Redhill – Reigate	22	40	24	27	N	Y	N	Y	Y	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	N	N	N	Y	Y	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	N	Y	N	N	N	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	N	Y	N	N	N	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	N	Y	N	N	N	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	N	Y	N	N	N	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	N	Y	N	N	N	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	N	Y	N	N	N	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	N	Y	N	N	N	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	N	Y	N	N	N	
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	N	Y	N	N	N	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	N	N	N	N	N	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	N	N	N	N	N	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	N	N	N	N	N	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	N	N	N	N	N	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	Y	Y	N	N	N	
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	Y	Y	N	N	N	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	Y	Y	N	N	N	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	Y	R1 R2	N	N	N	R1 15mph Southwick Up platform R2 15mph Shoreham by Sea Down platform
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	N	Y	N	N	N	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	N	N	N	N	N	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	N	Y	N	N	N	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	N	R1	N	N	N	R1 Prohibited Bognor Regis platforms 2, 3 and 4
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	N	N	N	N	N	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	N	Y	N	N	N	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	N	Y	N	N	N	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	N	Y	N	N	N	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	N	R1	N	Y	Y	R1 Prohibited Streatham Hill Depot Down Sidings 1, 2 and 3
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	N	Y	N	Y	Y	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	N	Y	N	Y	Y	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	N	Y	N	N	N	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	N	Y	N	Y	Y	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	N	Y	N	Y	Y	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	N	Y	N	Y	Y	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	N	Y	N	Y	Y	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	N	N	N	N	N	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	N	N	N	N	N	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	N	N	N	N	N	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	N	Y	N	N	N	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	N	Y	N	N	N	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	N	Y	N	N	N	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	N	Y	N	Y	Y	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	N	Y	N	N	N	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	N	Y	N	Y	Y	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	N	Y	N	Y	Y	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	N	Y	N	N	N	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	N	Y	N	N	N	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	170	171	172	220	221	Notes
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	N	R1	N	N	N	R1 OPPOS applies between signals VC897 and VC900 at Mitcham Jn in both directions
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	N	R1	N	N	N	R1 5mph Cheam Up platform
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	N	Y	N	N	N	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	N	Y	N	N	N	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	N	Y	N	N	N	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	N	R1 R2	N	N	N	R1 5mph Holmwood Down platform R2 15mph Warnham Down platform
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	N	N	N	N	N	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	N	N	N	N	N	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	N	N	N	N	N	

Table D2A – Route clearance of electric multiple units

Last Updated: 30/03/2024

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	Y	H	N	Y	Y	Y	N	N	Y	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	Y	H	N	N	N	Y	Y	N	Y	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	R1	H R2	N	Y	Y	Y	N	N	Y	R1 15 mph over bridge No.11 Ramsgate line over Stewarts Lane Depot (01m 34ch) R2 Chatham Reversible only
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	N	N	N	N	N	N	N	N	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	Y	H R1	N	Y	Y	Y	N	N	Y	R1 Chatham Reversible only
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	Y	Y	N	N	N	Y	Y	EH	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	Y	Y	N	Y	Y	Y	E	EH	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	Y	Y	N	Y	Y	Y	E	EH	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	Y	Y	N	Y	Y	Y	E	N	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	Y	Y	N	Y	Y	Y	E	N	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	Y	H	N	N	N	Y	E	N	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	Y	H	N	N	N	Y	E	N	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	Y	H	N	N	N	Y	E	N	Y	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	Y	Y	N	Y	Y	Y	N	N	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	Y	Y	N	Y	Y	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	Y	Y	N	Y	Y	Y	N	N	Y	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	Y	Y	N	Y	Y	Y	N	N	Y	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	Y	H	N	Y	Y	Y	N	N	Y	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	N	N	N	Y	Y	Y	N	N	Y	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	N	N	N	N	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	N	N	N	Y	Y	Y	N	N	Y	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	N	N	N	Y	Y	Y	N	N	Y	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	N	N	N	Y	Y	R1 R2	N	N	R3	R1 Prohibited between Gillingham SB and Western Jn R2 Class 377/1 and 377/5 only Gillingham SB – Western Jn R3 Prohibited between Chatham Dockyard Jn and Western Jn
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	Y	H	N	Y	Y	Y	N	N	Y	
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	Y	N	N	Y	Y	R1 R2	N	N	N	R1 Class 377/1 and 377/5 only R2 Prohibited between Cannon Street Sub Station and 1m46ch
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	Y	H	N	Y	Y	Y	N	N	Y	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	Y	H	N	Y	Y	Y	N	N	Y	
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	Y	H	N	Y	Y	Y	N	N	Y	
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	Y	H	N	Y	Y	Y	N	N	Y	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	Y	H	N	Y	Y	Y	N	N	Y	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	N	N	N	Y	Y	R1	N	N	Y	R1 Class 377/1 and 377/5 only
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	Y	H R1	N	Y	Y	Y	N	N	Y	R1 60mph maximum speed
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	Y	H R1	N	Y	Y	Y	N	N	Y	R1 60mph maximum speed
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	R1	H R2	N	Y	Y	Y	N	N	Y	R1 Slow lines only R2 60mph maximum speed
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	R1 R2	H R3 R4 R5 R6	N	Y	Y	R7	N	N	Y	R1 Between London end of Grove Park Station (08m 55ch (Slows to Fasts Double Jn)) and Chislehurst Jn use fast lines and Grove Park bay platform 1 (reversible) only R2 Prohibited Grove Park Down Washer line and Up sidings R3 60mph maximum speed R4 Between London end of Grove Park Station (08m 55ch (Slows to Fasts Double Jn)) and Chislehurst Jn use fast lines R5 25mph through Grove Park (fast lines). R6 Access to Grove Park Up Sidings via 924/925 points R7 Prohibited Grove Park Up and Down Washer line and Up sidings
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	Y	N	N	Y	Y	Y	N	N	Y	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	Y	N	N	Y	Y	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	R1	H	N	Y	Y	Y	N	N	Y	R1	Prohibited from Slow lines
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	R1	Y	N	Y	Y	Y	N	N	Y	R1	Prohibited on Slow lines between Petts Wood Jns and Orpington
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	E R1	Y	N	Y	Y	Y	N	N	Y	R1	75mph maximum speed
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	E R1 R2	Y	N	Y	Y	Y	E	N	Y	R1 R2	75mph maximum speed Prohibited Tonbridge platform 4
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	E R1	Y	N	Y	Y	Y	E	N	Y	R1	75mph maximum speed
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	E R1	Y	N	Y	Y	Y	E	EH R2	Y	R1 R2	75mph maximum speed Prohibited between Paddock Wood and Chart Leacon Depot
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	E R1 R2 R3	Y	R4	Y	Y	Y	E	EH	Y	R1 R2 R3 R4	75mph maximum speed Prohibited Ashford platform 1 (Up platform loop) 25mph Ashford platform 2 (Up Slow) Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface, via Ashford platforms 3, 4, 5 & 6
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	E R1 R2 R3	Y	R4	Y	Y	R5	E	N		R1 R2 R3 R4 R5	75mph maximum speed Prohibited Ashford platform 1 (Up platform loop) 25mph Ashford platform 2 (Up Slow) Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface, via Ashford platforms 3, 4, 5 & 6 Class 377/1 and 377/5 only
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	N	N	R1	Y	Y	R2	E	N	N	R1 R2	Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface, via Ashford platforms 3, 4, 5 & 6 Class 377/1 and 377/5 only
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	N	N	N	Y	Y	R1	N	N	N	R1	Class 377/1 and 377/5 only
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	N	N	R1	Y	Y	R2	N	N	N	R1 R2	Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface Class 377/1 and 377/5 only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	N	N	N	Y	R1	R2 R3 R4 R5	N	N	N	R1 Prohibited between Folkestone East and Dover Substation when laden R2 Class 377/1 and 377/5 only R3 Prohibited Archcliffe Jn - Dover Substation R4 Prohibited Abbotscliffe Tunnel Down line R5 Prohibited Martello Tunnel
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	Y	Y	N	Y	Y	Y	N	EH	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	Y	Y	N	Y	Y	Y	N	N	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	N	Y	N	Y	Y	Y	N	EH	Y	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	N	N	N	Y	R1	R2 R3 R4	N	N	N	R1 Prohibited between Dover Priory and Change of mileage when laden R2 Class 377/1 and 377/5 only R3 Prohibited Dover Priory - Change of mileage R4 Prohibited Priory Tunnel on Up Chatham line
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	N	N	N	Y	E	N	N	N	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	N	N	N	Y	Y	Y	N	N	Y	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	N	N	N	Y	Y	Y	N	N	Y	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	N	N	N	N	N	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	N	N	N	Y	Y	R1	E	N	N	R1 Class 377/1 and 377/5 only
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	N	N	N	N	N	N	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO240	BME2	Sandwich – Minster South	86	46	82	21	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	Y	H	N	Y	Y	Y	N	N	Y	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	Y	H	N	Y	Y	Y	N	N	Y	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	Y	H	N	Y	Y	Y	N	N	Y	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	Y	H	N	N	N	Y	Y	N	Y	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	Y	H	N	N	N	Y	Y	N	Y	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	Y	H	N	N	N	Y	Y	N	Y	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	Y	H	N	N	N	Y	Y	N	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	N	N	N	N	N	N	N	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	Y	Y	N	N	N	Y	Y	N	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	Y	H	N	N	N	Y	Y	N	Y	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	Y	Y	N	N	N	Y	Y	EH	Y	

Line of route	ELR	Line of Route / Sector Description	OO OO M	OO OO Ch	OO OO M	OO OO Ch	319	325	373	375	376	377	378	380	387	Notes
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	Y	Y	N	N	N	Y	Y	EH	Y	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	Y	H	N	Y	N	Y	N	N	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	Y	Y	N	Y	Y	Y	N	EH	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	Y	H	N	N	N	Y	N	N	Y	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	Y	H	N	N	N	R1	N	N	Y	R1 Route prohibited to Classes 377/1, 377/3, 377/4, 377/6 and 377/7
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	Y	H	N	N	Y	R1	N	N	Y	R1 Route prohibited to Classes 377/1, 377/3, 377/4, 377/6 and 377/7
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	Y	H	N	Y	Y	Y	N	N	Y	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	Y	H	N	Y	Y	Y	N	N	Y	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	Y	H	N	Y	Y	Y	N	N	Y	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	Y	H	N	Y	Y	Y	N	N	Y	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	Y	H	N	Y	Y	Y	N	N	Y	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	Y	H	N	Y	Y	Y	N	N	Y	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	N	N	Y	Y	N	N	N	N	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	E R1 R2 R3	H R1 R2 R3	N	Y	Y	R4	N	N	N	R1 45mph maximum speed R2 10mph Lewisham platform 4 (Down North Kent) R3 10mph Blackheath platform 2 R4 Class 377/1 and 377/5 only
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	N	N	N	Y	Y	R1 R2	N	N	N	R1 Class 377/1 and 377/5 only R2 Prohibited Blackheath Tunnel Up line
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	E R1 R2 R3 R4 R5 R6	H R1 R2 R3 R4 R5 R6	N	Y	Y	R7	N	N	N	R1 45mph maximum speed R2 10mph Kidbrooke platforms 1 and 2 R3 10mph through Eltham Park (Closed) R4 10mph Welling platform 1 R5 10mph Bexleyheath platform 2 R6 10mph Barnehurst platform 1 R7 Class 377/1 and 377/5 only
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Lee – Crayford Spur ‘B’ Jcn	7	66	16	11	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	CRA	Crayford Spur ‘B’ Jn – Crayford Spur ‘A’ Jn	16	11	16	43	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Crayford Spur ‘B’ Jcn – Dartford Jn	16	11	16	75	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	N	N	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	Y	H	N	Y	Y	Y	N	N	Y	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	N	N	N	Y	Y	Y	N	N	Y	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	E R1	H R1	N	Y	Y	R2	N	N	Y	R1 45mph maximum speed R2 Class 377/1 and 377/5 only
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	Y	H	N	Y	Y	Y	N	N	Y	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	Y	H	N	Y	Y	Y	N	N	Y	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	Y	H	N	Y	Y	Y	N	N	Y	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	Y	H	N	Y	Y	Y	N	N	Y	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	Y	H	N	Y	Y	Y	N	N	Y	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	N	N	N	Y	Y	Y	N	N	Y	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	Y	H	N	Y	N	Y	N	N	Y	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	Y	H	N	Y	N	Y	N	N	Y	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	Y	H	N	Y	N	Y	N	N	Y	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	Y	H	N	Y	N	Y	E	N	Y	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	Y	H	N	N	N	R2 R3	Y	N	R4	R1 OPPOS applies between crossover VC289 points and Falcon Jn (VC290 / 292) points. R2 Classes 377/1 – 377/5 - 15mph Clapham Jn platforms 16 and 17 R3 Classes 377/6 and 377/7 – 15mph Clapham Jn Down West London Line platform16 R4 15mph maximum speed Clapham Junction platfroms 16 and 17
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	Y	H	N	Y	N	Y	E	N	Y	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	Y	H	N	Y	N	Y	E	N	Y	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	Y	H	N	N	N	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	Y	H	N	N	N	Y	N	N	Y	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	Y	H	N	Y	N	Y	E	N	Y	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	Y	H	N	N	N	Y	E	N	Y	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	Y	H	N	Y	N	Y	E	N	Y	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	Y	H	N	Y	Y	Y	Y	N	Y	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	R1	H R1	N	Y	Y	Y	E	N	Y	R1 60mph Purley platform 3
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	Y	H	N	Y	Y	Y	Y	N	E	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	Y	H	N	Y	Y	Y	N	N	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	Y	H	N	Y	Y	Y	N	N	Y	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	Y	H	N	Y	Y	Y	N	N	Y	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	Y	H	N	Y	N	Y	N	N	Y	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	N	N	N	N	N	N	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	N	N	N	N	N	N	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	Y	H	N	Y	N	Y	N	N	Y	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	Y	H	N	Y	N	Y	N	N	Y	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	Y	H	N	N	N	Y	N	N	Y	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	Y	H	N	Y	N	Y	N	N	Y	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	Y	H	N	Y	Y	Y	E	N	Y	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	Y	H	N	Y	Y	Y	E	N	Y	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	N	N	N	N	N	N	Y	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	Y	H	N	Y	Y	Y	Y	N	Y	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	N	N	N	N	N	N	Y	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	Y	H	N	Y	Y	Y	Y	N	Y	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	Y	H	N	Y	Y	Y	Y	N	Y	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	Y	H	N	Y	Y	Y	Y	N	Y	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	Y	H	N	Y	Y	Y	Y	N	Y	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	Y	H	N	N	N	Y	R1	N	Y	R1 Prohibited between West Croydon and Sutton except to enable the unit to return to West Croydon station from signal T1048 via the Down Wallington
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	Y	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	Y	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	Y	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	Y	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	R1	H R1	N	N	N	Y	N	N	Y	R1 20mph Billingshurst platform 1
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	N	N	N	N	N	Y	N	N	Y	R1 20mph Pulborough platform 1 (Up Main)
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	N	N	N	N	N	Y	N	N	Y	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	N	N	N	N	N	Y	N	N	Y	
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	N	N	N	N	N	Y	N	N	Y	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	N	N	N	N	N	Y	N	N	N	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	N	N	N	N	N	Y	N	N	N	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	N	N	N	N	N	Y	N	N	N	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	N	N	N	N	N	R1	N	N	N	R1 Classes 377/6 and 377/7 prohibited Portsmouth and Southsea Low Level Platforms

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	N	N	N	N	N	R1	N	N	N	R1	Route prohibited to Classes 377/6 and 377/7
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	N	N	N	N	N	Y	N	N	N		
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	Y	H	N	N	N	Y	N	N	Y		
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	N	N	N	N	N	Y	N	N	Y		
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	N	N	N	N	N	Y	N	N	Y		
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	N	N	N	N	N	EH R1	N	N	N	R1	Route prohibited to Classes 377/6 and 377/7
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	Y	H R1	N	Y	Y	Y	E	N	Y	R1	OPPOS applies between through Bletchingley tunnel and Penshurst tunnel
SO560	RSJ	Redhill – Reigate	22	40	24	27	Y	H	N	N	N	Y	N	N	Y		
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	N	N	N	N	N	N	N	N	N		
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	Y	H	N	Y	N	Y	N	N	Y		
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	N	N	N	Y	N	Y	N	N	Y		
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	N	N	N	Y	N	Y	N	N	Y		
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	N	N	N	Y	N	Y	N	N	Y		
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	N	N	N	Y	N	Y	N	N	Y		
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	N	N	N	Y	Y	Y	N	N	Y		
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	N	N	N	Y	Y	Y	N	N	Y		
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	N	N	N	Y	Y	Y	N	N	R1		Prohibited with deflated secondary suspension
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	N	N	N	EH	N	EH	N	N	N		

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	Y	H	N	Y	N	Y	N	N	Y	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	N	N	N	Y	N	Y	N	N	Y	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	N	N	N	N	N	Y	N	N	Y	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	N	N	N	N	N	Y	N	N	Y	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	N	N	N	N	N	Y	N	N	Y	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	R1	H R1	N	N	N	Y	N	N	Y	R1 Prohibited Brighton platform 1
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	Y	H	N	N	N	Y	N	N	Y	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	Y	H	N	N	N	Y	N	N	N	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	N	N	N	N	N	Y	N	N	Y	
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	N	N	N	N	N	Y	N	N	Y	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	N	N	N	N	N	Y	N	N	Y	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	N	N	N	N	N	Y	N	N	Y	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	N	N	N	N	N	Y	N	N	Y	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	Y	H	N	Y	N	Y	Y	EH R1	Y	R1 Prohibited between Battersea Park and Voltaire Road Jn
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	Y	H	N	Y	Y	Y	Y	EH	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	Y	H	N	Y	Y	Y	Y	EH	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	Y	H	N	Y	Y	Y	Y	EH	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	Y	H	N	Y	N	Y	Y	N	Y	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	Y	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	Y	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	Y	H	N	N	N	Y	Y	N	Y	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	Y	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	Y	H	N	N	N	Y	Y	N	Y	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	Y	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	Y	H	N	N	N	Y	Y	N	Y	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	Y	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	Y	H	N	N	N	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	Y	H	N	N	N	Y	N	N	Y	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	Y	H	N	N	N	Y	Y	N	Y	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	Y	H	N	N	N	Y	Y	N	Y	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	Y	H	N	N	N	Y	N	N	Y	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	Y	H	N	N	N	Y	E	N	Y	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	Y	H	N	N	N	Y	E	N	Y	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	Y	H	N	N	N	Y	E	N	Y	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	Y	H	N	N	N	Y	E	N	Y	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH3	Leatherhead–Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	Y	H	N	N	N	Y	N	N	Y	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	Y	H	N	N	N	Y	N	N	Y	
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	Y	H	N	N	N	Y	N	N	Y	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	Y	H	N	N	N	Y	N	N	Y	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	Y	H	N	N	N	Y	N	N	Y	

Table D2B – Route clearance of electric multiple units

Last Updated: 27/04/2024

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	R1	R2	Y	N	Y	Y	R1 Prohibited Victoria platforms 6, 7 and 8 R2 Prohibited Victoria platforms 3, 4, 5, 6, 7 and 8
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	N	Y	Y	N	N	N	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	Y	N	N	N	Y	Y	R1 Chatham Reversible only
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	N	N	N	N	N	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	Y	N	N	N	Y	Y	R1 Chatham Reversible only
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	N	Y	N	N	N	N	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	Y	N	N	E	Y	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	Y	N	N	E	Y	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	Y	N	N	E	Y	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	Y	N	N	E	Y	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	N	N	N	E	N	N	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	N	N	N	E	N	N	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	N	N	N	E	N	N	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	Y	N	N	N	Y	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	Y	N	N	N	Y	Y	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	Y	N	N	N	Y	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	Y	N	N	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	Y	N	N	N	Y	Y	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	Y	N	N	N	Y	Y	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	Y	N	N	N	Y	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	Y	N	N	N	Y	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	Y	N	N	N	Y	Y	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	Y	N	N	N	Y	Y	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	Y	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	Y	N	N	N	Y	Y	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	Y	N	N	N	Y	Y	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	Y	N	N	N	Y	Y	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	Y	N	N	N	Y	Y	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	Y	N	N	N	Y	Y	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	Y	N	N	N	Y	Y	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	Y	N	N	N	Y	Y	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	N	N	N	N	Y	Y	
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	N	N	N	N	Y	Y	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	N	N	N	N	Y	Y	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	N	N	N	N	Y	Y	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	N	N	N	N	Y	Y	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	N	N	N	N	Y	Y	
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	N	N	N	N	Y	Y	
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	N	N	N	N	Y	Y	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	N	N	N	N	Y	Y	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	N	N	N	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	N	N	N	N	Y	Y	R1 60mph maximum speed
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	Y	N	N	N	Y	Y	R1 60mph maximum speed
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	Y	N	N	N	Y	Y	R1 60mph maximum speed
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	Y	N	N	N	Y	Y	R1 60mph maximum speed R2 Between London end of Grove Park Station (08m 55ch (Slows to Fasts Double Jn) and Chislehurst Jn use fast lines R3 25mph through Grove Park (Fast lines). R4 Access to Grove Park Up Sidings via 924/925 points
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	Y	N	N	N	Y	Y	
SO130	CSM2	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	Y	N	N	N	Y	Y	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	Y	N	N	N	Y	Y	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	Y	N	N	N	Y	Y	R1 60mph Chelsfield Down platform R2 15mph Knockholt Down and Up platforms R3 15mph Dunton Green Down and Up platforms
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	Y	N	N	N	Y	Y	R1 75mph maximum speed
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	R1	N	N	N	Y	Y	R1 Prohibited Tonbridge platform 4 R2 75mph maximum speed
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	R1	N	N	N	Y	Y	R1 Prohibited Paddock Wood platform 3 R2 75mph maximum speed
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	Y	N	N	N	Y	Y	R1 75mph maximum speed

Line of route	ELR	Line of Route / Sector Description	00 00 M	00 00 Ch	00 00 M	00 00 Ch	395	444	450	458	465	466	Notes
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	R1	N	N	N	Y	Y	R1 Change over from AC to DC (and vice versa) at Ashford shall be undertaken whilst stationary at the platform R2 75mph maximum speed R3 Prohibited Ashford Up platform 1 (Up platform Loop) R4 25mph Ashford platform 2 (Up Slow)
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	R1	N	N	N	Y	Y	R1 Change over from AC to DC (and vice versa) at Ashford shall be undertaken whilst stationary at the platform R2 75mph maximum speed R3 Prohibited Ashford platform 1 (Up platform loop) R4 25mph Ashford platform 2 (Up Slow)
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	Y	N	N	N	Y	Y	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	Y	N	N	N	Y	Y	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	Y	N	N	N	Y	Y	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	Y	N	N	N	Y	Y	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	Y	N	N	N	R1	R1	R1 Prohibited between Folkestone Harbour and Dover Substation when laden
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	Y	N	N	N	Y	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	Y	N	N	N	Y	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	Y	N	N	N	Y	Y	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	N	N	N	N	R1	Y	R1 Route prohibited to Classes 465/0 and 465/1
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	N	N	N	N	R1	Y	R1 Route prohibited to Classes 465/0 and 465/1
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	N	N	N	N	R1	Y	R1 Route prohibited to Classes 465/0 and 465/1
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	Y	N	N	N	Y	Y	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	Y	N	N	N	Y	Y	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	Y	N	N	N	Y	Y	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	N	N	N	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	N	N	N	N	N	N	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	Y	N	N	N	Y	Y	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	N	N	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	Y	N	N	N	Y	Y	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	Y	N	N	N	Y	Y	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	Y	N	N	N	Y	Y	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	Y	N	N	N	Y	Y	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	N	N	N	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	Y	N	N	N	Y	Y	
SO240	BME2	Sandwich – Minster South	86	46	82	21	Y	N	N	N	Y	Y	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	Y	N	N	N	Y	Y	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	Y	N	N	N	Y	Y	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	N	Y	Y	E	Y	Y	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	N	N	N	E	Y	Y	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	N	N	N	E	Y	Y	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	N	Y	Y	N	N	N	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	N	Y	Y	E	N	N	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	N	N	N	N	N	N	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	N	Y	Y	N	N	N	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	N	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	N	N	N	N	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	N	Y	N	N	N	N	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	N	Y	Y	EH	N	N	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	N	Y	Y	EH	N	N	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	N	Y	Y	EH	N	N	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	N	N	N	EH	N	N	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	N	N	N	EH	N	N	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	N	N	N	EH	N	N	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	Y	N	N	N	Y	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	Y	N	N	N	Y	Y	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	Y	N	N	N	Y	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	Y	N	N	N	Y	Y	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	N	N	N	N	Y	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	Y	N	N	N	Y	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	N	N	N	N	N	N	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	N	N	N	N	N	N	
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	N	N	N	N	N	N	
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	N	N	N	N	Y	Y	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	N	N	N	N	Y	Y	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	N	N	N	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	N	N	N	N	Y	Y	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	N	N	N	N	Y	Y	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	N	N	N	N	Y	Y	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	N	N	N	Y	Y	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	Y	N	N	N	Y	Y	
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	N	N	N	N	Y	Y	
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	Y	N	N	N	Y	Y	
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	Y	N	N	N	Y	Y	
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	Y	N	N	N	Y	Y	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	Y	N	N	N	Y	Y	R1 45mph maximum speed R2 10mph Lewisham platform 4 (Down North Kent) R3 10mph Blackheath platform 2
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	Y	N	N	N	Y	Y	
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	Y	N	N	N	Y	Y	R1 45mph maximum speed R2 10mph Kidbrooke platforms 1 and 2 R3 10mph through Eltham Park (Closed) R4 10mph Welling platform 1 R5 10mph Bexleyheath platform 2 R6 10mph Barnehurst platform 1
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	R1	N	N	N	Y	Y	R1 OPPOS applies on Erith Loop
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	Y	N	N	N	Y	Y	
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	Y	N	N	N	Y	Y	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	R1	N	N	N	Y	Y	R1 OPPOS applies
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	Y	N	N	N	Y	Y	
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	Y	N	N	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	00 00 M	00 00 Ch	00 00 M	00 00 Ch	395	444	450	458	465	466	Notes R1
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	R1	N	N	N	Y	Y	R2 OPPOS applies
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	Y	N	N	N	Y	Y	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	Y	N	N	N	Y	Y	
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	Y	N	N	N	Y	Y	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	Y	N	N	N	Y	Y	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	Y	N	N	N	Y	Y	
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	N	N	N	N	N	N	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	Y	N	N	N	Y	Y	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	N	N	N	N	Y	Y	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	N	N	N	N	Y	Y	R1 45mph maximum speed
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	Y	N	N	N	Y	Y	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	Y	N	N	N	Y	Y	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	N	N	N	N	Y	Y	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	N	N	N	N	Y	Y	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	N	N	N	N	Y	Y	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	N	N	N	N	Y	Y	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	N	N	N	N	Y	Y	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	N	Y	Y	N	N	N	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	N	N	N	N	N	N	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	N	N	N	N	N	N	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	N	N	N	N	N	N	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	N	N	N	N	N	N	
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	N	N	N	N	N	N	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	N	N	N	N	N	N	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	N	N	N	N	N	N	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	N	N	N	N	N	N	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	N	N	N	N	N	N	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	N	N	N	N	N	N	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	N	N	N	N	N	N	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	N	N	N	N	N	N	R1 60mph Purley platform 3
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	N	N	N	N	N	N	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	N	N	N	N	N	N	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	N	N	N	N	N	N	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	N	N	N	N	N	N	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	N	N	N	N	N	N	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	N	N	N	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	N	N	N	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	N	N	N	N	N	N	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	N	N	N	N	N	N	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	N	N	N	N	N	N	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	N	N	N	N	N	N	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	N	N	N	N	N	N	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	N	N	N	N	N	N	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	N	N	N	N	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	N	N	N	N	N	N	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	N	N	N	N	N	N	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	N	N	N	N	N	N	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	N	N	N	N	N	N	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	N	N	N	N	N	N	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	N	N	N	N	N	N	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	N	N	N	N	N	N	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	N	N	N	N	N	N	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	N	N	N	N	N	N	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	N	N	N	N	N	N	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	N	N	N	N	N	N	R1 20mph Billlinghurst platform 1
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	N	N	N	N	N	N	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	N	Y	Y	N	N	N	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	N	Y	Y	N	N	N	
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	N	Y	Y	N	N	N	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	N	Y	Y	Y	N	N	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	N	Y	Y	Y	N	N	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	N	Y	Y	Y	N	N	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	N	Y	Y	Y	N	N	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	N	Y	Y	Y	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	N	Y	Y	Y	N	N	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	N	N	N	N	N	N	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	N	N	N	N	N	N	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	N	N	N	N	N	N	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	N	N	N	N	N	N	
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	N	N	N	N	N	N	
SO560	RSJ	Redhill – Reigate	22	40	24	27	N	N	N	N	N	N	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	N	N	N	N	N	N	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	N	N	N	N	N	N	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	N	N	N	N	N	N	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	N	N	N	N	N	N	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	N	N	N	N	N	N	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	N	N	N	N	N	N	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	N	N	N	N	N	N	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	N	N	N	N	N	N	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	N	N	N	N	N	N	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	N	N	N	N	N	N	
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	N	N	N	N	N	N	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	N	N	N	N	N	N	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	N	N	N	N	N	N	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	N	N	N	N	N	N	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	N	Y	Y	N	N	N	R1 Prohibited Brighton platform 1
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	N	Y	Y	N	N	N	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	N	Y	Y	N	N	N	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	N	Y	Y	N	N	N	
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	N	N	N	N	N	N	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	N	N	N	N	N	N	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	N	N	N	N	N	N	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	N	N	N	N	N	N	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	N	N	N	N	Y	Y	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	N	N	N	N	Y	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	N	N	N	N	Y	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	N	N	N	N	Y	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	N	N	N	N	N	N	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	N	N	N	N	N	N	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	N	N	N	N	N	N	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	N	N	N	N	N	N	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	N	N	N	N	N	N	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	N	N	N	N	N	N	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	N	N	N	N	N	N	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	N	N	N	N	N	N	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	N	N	N	N	N	N	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	395	444	450	458	465	466	Notes
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	N	N	N	N	N	N	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	N	N	N	N	N	N	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	N	N	N	N	N	N	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	N	N	N	N	N	N	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	N	N	N	N	N	N	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	N	N	N	N	N	N	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	N	N	N	N	N	N	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	N	N	N	N	N	N	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	N	N	N	N	N	N	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	N	N	N	N	N	N	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	N	N	N	N	N	N	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	N	N	N	N	N	N	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	N	N	N	N	N	N	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	N	N	N	R1	N	N	R1 Prohibited between Sutton and Route Boundary (SW180)
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	N	Y	Y	N	N	N	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	N	Y	Y	Y	N	N	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	N	N	Y	Y	N	N	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	N	N	Y	R1 R2	N	N	R1 Prohibited between Dorking and Horsham Jn R2 Prohibited Dorking Loop platform 3
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	N	N	N	E	N	N	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	N	N	N	N	N	N	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	N	N	N	N	N	N	

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Table D2C – Route clearance of electric multiple units

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	Y	Y	R1	N	R3 Prohibited Victoria platform 5 with crush deflated suspension
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	N	Y	N	E	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	Y	Y	Y	N	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	Y	N	E	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	Y	Y	Y	N	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	Y	Y	E	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	Y	Y	Y	E	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	Y	Y	Y	E	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	Y	Y	Y	E	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	Y	Y	Y	E	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	Y	Y	N	E	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	Y	Y	N	E	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	Y	Y	N	E	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	Y	Y	R1	E	R1 50mph Penge Tunnel Up Chatham Main line
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	Y	Y	Y	E	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	Y	Y	Y	E	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	Y	Y	Y	N	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	Y	Y	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	Y	Y	Y	N	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	Y	Y	Y	E	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	Y	Y	Y	E	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	Y	Y	Y	E	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	Y	Y	E	N	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	Y	Y	E	N	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	Y	Y	Y	N	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	Y	R1	E	N	R1 Prohibited Rainham Station Road LC to Western Jn
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	Y	N	E	N	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	Y	N	E	N	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	Y	N	E R1	N	R1 Prohibited Margate for Cliftonville platform 4
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	Y	N	N	N	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	Y	Y	R1	N	R1 Prohibited Charing Cross platform 3 with deflated suspension
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	Y	Y	Y	N	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	Y	Y	Y	N	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	Y	Y	Y	N	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	Y	Y	Y	N	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	N	Y	Y	N	
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	Y	Y	Y	N	
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	Y	Y	Y	N	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	Y	Y	Y	N	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	N	Y	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	Y	Y	Y	N	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	Y	Y	Y	N	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	Y	Y	Y	N	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	Y	Y	R1 R2	N	R5 Prohibited Grove Park platform 5 with crush deflated suspension R6 Prohibited Chiselhurst platform 4 with crush deflated suspension
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	Y	Y	Y	N	
SO130	CSM2	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	Y	Y	Y	N	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	Y	Y	Y	N	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	Y	Y	R1	N	R4 Prohibited Chelsfield platform 1 with crush deflated suspension
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	Y	Y	E	N	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	Y	Y	E	N	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	Y	Y	E	N	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	Y	Y	E	N	
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	Y	Y	E	N	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	Y	Y	E	N	
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	Y	Y	E	N	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	Y	N	E	N	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	Y	N	E	N	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	Y	N	E	N	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	Y	N	N	N	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	Y	Y	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	Y	Y	Y	N	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	Y	Y	E R1	N	R1 Prohibited Maidstone East platform 1 with deflated suspension
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	Y	N	N	N	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	Y	N	N	N	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	Y	N	N	N	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	Y	N	N	N	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	Y	N	N	N	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	Y	N	N	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	Y	R1	N	N	R1 OPPOS Up or Down Hastings through Grove hill Tunnel (between Tonbridge Wells - Grove Jn)
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	Y	N	N	N	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	Y	N	N	N	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	Y	E R1	E	N	R1 Prohibited Ashford (Jn with Canterbury line (SO130)) - Ashford Station
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	Y	E R1	N	N	R1 Prohibited Ashford Down Yard East G Jn - Minster West Jn
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	Y	N	N	N	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	Y	N	N	N	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	N	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	Y	N	N	N	
SO240	BME2	Sandwich – Minster South	86	46	82	21	Y	N	N	N	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	Y	N	N	N	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	Y	N	N	N	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	N	Y	E	E	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	N	Y	E	E	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	N	Y	E	E	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	Y	Y	N	E	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	Y	Y	N	E	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	Y	Y	N	Y	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	Y	N	E	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	N	E	E	E	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	Y	N	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	N	E	E	E	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	Y	E	N	N	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	Y	N	E	Y	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	N	E	N	N	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	N	E	N	N	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	N	E	N	N	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	N	E	N	N	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	N	Y	Y	N	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	N	Y	Y	N	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	N	Y	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	R1	Notes
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	N	Y	R1	N	R2	Prohibited Dalrymple Road Bridge No.461 Nunhead Jn – Crofton Park Station Up Fast line
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	N	Y	N	N		
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	N	Y	N	N		
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	N	Y	N	N		
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	N	Y	N	N		
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	Y	N	N	N		
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	Y	Y	E R1	N	R1	OPPOS Blackfriars – Loughborough Jn, between Up Fast line and Down Fast line 00m 23ch to 03m 33ch
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	N	Y	E	N		
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	Y	Y	E R1 R2	N	R1 R2	OPPOS Blackfriars – Loughborough Jn, between Up Fast line and Down Fast line 00m 23ch to 03m 33ch OPPOS Elephant and Castle Station, between platform 3 Up line and platform 4 Down Line, 01m 40ch to 01m 55ch
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	Y	Y	E	N		
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	Y	Y	E	N		
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	Y	Y	E	N		
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	Y	Y	N		
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	N	Y	Y	N		
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	N	Y	R1	N	R1	Prohibited Slade Green platforms 1 & 2 with crush deflated suspension
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	N	Y	Y	N		
SO290	NKL	Crayford Creek Jn – Crayford Spur ‘A’ Jn	15	66	16	42	N	Y	Y	N		
SO290	NKL	Crayford Spur ‘A’ Jn – Dartford Jn	16	42	16	75	N	Y	Y	N		

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	R4	Notes
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	Y	Y	R1	N	R5	20mph Blackheath Station – Blackheath Jn, Up and Down North Kent, 07m 04ch to 07m 13ch
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	Y	Y	Y	N		
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	Y	Y	R1	N	R7	Prohibited Kidbrooke Up platform 1 with crush deflated suspension
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	Y	Y	Y	N		
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	Y	Y	Y	N		
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	Y	Y	Y	N		
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	Y	N	Y	N		
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	Y	Y	Y	N		
SO310	HDR	Lee – Crayford Spur ‘B’ Jcn	7	66	16	11	Y	Y	Y	N		
SO310	CRA	Crayford Spur ‘B’ Jn – Crayford Spur ‘A’ Jn	16	11	16	43	Y	Y	Y	N		
SO310	HDR	Crayford Spur ‘B’ Jcn – Dartford Jn	16	11	16	75	Y	Y	Y	N		
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	Y	Y	Y	N		
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	Y	Y	R1	N	R1	Prohibited Higham platforms 1 & 2 with crush deflated suspension
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	Y	Y	Y	N		
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	Y	N	N	N		
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	N	N	N	N		
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	6	21	N	Y	R1	N	R1	45mph Avignon Road Bridge No.493 Up and Down North Kent 06m 27ch to 06m 34ch
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	Y	Y	Y	N		
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	Y	Y	Y	N		
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	74	6	21	Y	Y	R1	N	R1	Prohibited Lewisham Up platform 1 with deflated suspension
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	Y	Y	Y	N		
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	Y	Y	Y	N		

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	R1	Notes
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	Y	Y	R1	N	R2	Prohibited New Beckenham Down platform 2 with crush deflated suspension
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	Y	Y	Y	N		
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	Y	R1	R2	N	R1 R2	OPPOS Up Mid Kent or Down Mid Kent between New Beckenham and Hayes crossovers Prohibited Clockhouse platform 2 with crush deflated suspension
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	Y	N	E	N		
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	Y	Y	E	N		
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	Y	Y	E	N		
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	Y	Y	E R1	N	R1	OPPOS Arches 14D/49A to Pouparts VTB1 between Down Slow line and Up Slow line 01m 47ch to 02m 20ch
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	Y	Y	E R1 R2	Y	R1 R2	OPPOS Arches 14D/49A to Pouparts VTB1 between Down Slow line and Up Slow line 01m 47ch to 02m 20ch OPPOS Falcon Jn between Down Slow line and Up Slow line 02m 54ch to 02m 69ch
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	Y	E R1 R2	N	N	R1 R2	15mph Clapham platform 16 Down West London line OPPOS between VC2890 points and VC290 and VC292 points (Falcon Jn) at Clapham Jn
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	Y	Y	E R1 R2	E	R1 R2	OPPOS Falcon Jn between Down Slow line and Up Slow line 02m 54ch to 02m 69ch OPPOS Wandworth Common Station between platform 3 line and platform 4 04m 00ch to 04m 20ch
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	Y	Y	E R1	E	R1	OPPOS between Down Slow line and Up Slow line 05m 35ch to 05m 60ch

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	Y	N	N	N	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	Y	N	N	N	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	Y	Y	E	E	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	Y	Y	N	E	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	Y	Y	E	E	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	Y	Y	E	R1	R2 ECS only Jn South of East Croydon at 10m 50ch and South Croydon Jn
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	R1	Y	E	N	R1 60mph Purley platform 3
SO500	RED1 /2	Stoats Nest Jn – Redhill	14	20	22	40	Y	R1	E R2	N	R1 Prohibited Redhill Down Post Office sidings R2 Prohibited Merstham Tunnel Up Line
SO500	RED1 /2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	Y	Y	E	N	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	Y	Y	E R1	N	R1 OPPOS Sand (Redhill) Tunnel Between Up Fast line and Down Fast line 20m 62ch to 21m 12ch
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	Y	R1 R2	E	N	R1 Prohibited Salfords Up sidings R2 Prohibited Tinsley Green Up sidings
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	Y	Y	N	N	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	N	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	N	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	Y	R1	N	N	R1 Prohibited Haywards Heath Down Goods Loop
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	Y	Y	N	N	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	Y	Y	N	N	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	R1	Y	N	N	R1 Prohibited Brighton platform 8

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	R1	Notes
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	Y	Y	E R1 R2	Y	R2 R3	OPPOS London Bridge between 9 REV lines and 10 REV lines 00m 16ch to 00m 30ch OPPOS London Bridge between 10 REV lines and 11 REV lines 00m 16ch to 01m 00ch
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	Y	Y	E	Y		
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	N	N	N	N		
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	Y	Y	E	Y		
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	N	N	N	N		
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	Y	Y	E R1 R2	Y	R1 R2 R3 R4	OPPOS between Up Fast line and Down Fast line 04m 74ch to 05m 14ch OPPOS Forest Hill Station between Down Fast line and Down Slow line 05m 40ch to 05m 60ch OPPOS between Up Fast line and Down Fast line 05m 74ch to 06m 24ch OPPOS Sydenham Station – Sydenham Up Jn between Up Fast line and Down Fast line 06m 35ch to 06m 50ch
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	Y	Y	E	Y		
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	Y	Y	E	Y		
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	Y	Y	E	Y		
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	Y	Y	N	R1	R1	Prohibited between Waddon Station and Sutton
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	Y	N	N	N		
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	Y	Y	N	N		
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	Y	Y	N	N		
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	Y	Y	N	N		
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	R1	Y	N	N	R1	20mph Billingshurst platform 1

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	N	Y	N	N	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	N	Y	N	N	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	N	R1	N	N	R1 Prohibited Chichester to Route Boundary (SW110) (Havant Jn)
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	N	N	N	N	
SO520	WPH 2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	N	N	N	N	
SO520	WPH 2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	N	N	N	N	
SO520	WPH 2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	N	N	N	N	
SO520	WPH 2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	N	N	N	N	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	N	N	N	N	
SO520	WPH 2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	N	N	N	N	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	N	Y	N	N	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	N	Y	N	N	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	N	Y	N	N	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	N	N	N	N	
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	Y	R1 R2 R3 R4	E	N	R1 Prohibited Redhill - Tedhill Tonbridge Line Jn R2 Prohibited Tonbridge West Jn - Tonbridge R3 Prohibited Redhill Up & Down Tonbridge Goods Loop R4 Prohibited Tonbridge North, South and West Yards

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	R1	Notes
SO560	RSJ	Redhill – Reigate	22	40	24	27	Y	R1	N	N	R2	Prohibited Redhill - Redhill Guildford Line Jn
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	N	N	N	N		
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	Y	Y	N	N		
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	N	Y	N	N		
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	N	Y	N	N		
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	N	R1	N	N	R1	Prohibited Eastbourne platform 3
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	N	N	N	N		
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	N	N	N	N		
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	N	N	N	N		
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	N	N	N	N		
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	N	N	N	N		
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	Y	Y	N	N		
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	N	Y	N	N		
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	N	N	N	N		
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	N	N	N	N		
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	N	N	N	N		
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	R1	Y	N	N	R2	Prohibited Brighton platform 1
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	Y	Y	N	N		
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	Y	N	N	N		
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	N	Y	N	N		
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	N	Y	N	N		

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	N	N	N	N	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	N	Y	N	N	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	N	R1 R2	N	N	R1 Prohibited Bognor Regis platform 4 R2 Prohibited Bognor Regis Up Sidings
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	Y	N	N	Y	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	Y	Y	Y	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	Y	Y	Y	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	Y	Y	R1	Y	R1 Prohibited Denmark Hill platform 2 with deflated suspension
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	N	Y	Y	Y	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	Y	Y	N	E	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	Y	Y	N	E	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	Y	Y	N	E	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	Y	R1	N	R1	R1 Prohibited Crystal Palace platforms 3-6 - Crystal Palace Tunnel Jn
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	Y	Y	N	E	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	Y	Y	N	E	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	Y	Y	N	E	Prohibited between Bromley Jn 9m 50ch and Norwood North Jn
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	Y	Y	N	E	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	Y	Y	N	N	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	Y	R1	N	N	R1 Prohibited Purley - Purley (Chipsread line) Jn (Up)
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	Y	Y	N	N	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	Y	Y	N	Y	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	Y	Y	N	Y	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	Y	Y	N	E	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	Y	Y	N	E	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	508	700	707	710	Notes
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	Y	Y	N	E	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	Y	Y	N	E	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	Y	Y	N	E	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	Y	Y	N	N	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	Y	Y	N	N	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	Y	Y	N	N	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	Y	Y	N	N	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	Y	Y	N	N	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	Y	Y	N	N	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	Y	Y	N	N	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	Y	Y	N	N	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	Y	Y	N	N	
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	Y	Y	N	N	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	Y	Y	N	N	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	Y	N	N	N	

Table D3A – Route clearance of coaching stock

Last Updated: 18/03/2023

To be read in conjunction with General Notes.

Network Rail documentation may refer to either Mark 1-3 stock or C1-3 gauge as detailed below:

C1 = standard passenger coaching stock gauge for Mark 1 and Mark 2 coaches with 9'0" wide bodywork and 64'6" or (57') long underframes.

C3 = standard passenger coaching stock gauge for Mark 3 coaches which are 23 metres (75') long overall.

Mk3 (MOD) = Mk 3 coaches (Modified) and refers to Mk 3 coaches which have been fitted with powered bodyside plug doors.

Mk3 DVT (MOD) = Mk3 DVT (Modified) and refers to Mk3 DVTs that have had centre pivot lateral bump stops modified to ESG-S-MO15, reducing lateral body movement.

Mk4 DVTs can operate over all routes cleared for Mark 4 coaching stock. Any restrictions applied to Mk4 coaching stock also apply to Mk 4 DVTs.

Mk3 coaches used with Class 43 power cars and fitted with external power-operated sliding doors, manufactured by Vapor Stone Rail Systems, and CET are compatible with all routes shown as cleared for Mk3 coaches.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	Y	Y	R1	N	N	N	N	R1 Prohibited Victoria platforms 4 and 6
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	Y	Y	Y	N	N	N	N	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	Y	Y	Y	N	N	N	N	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	Y	Y	Y	N	N	N	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	Y	Y	Y	N	N	N	N	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	Y	Y	Y	N	N	N	N	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	Y	Y	Y	N	N	N	N	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	Y	Y	Y	N	N	N	N	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	Y	Y	Y	N	N	N	N	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	Y	Y	Y	N	N	N	N	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	Y	Y	Y	N	N	N	N	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	Y	Y	Y	N	N	N	N	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	Y	Y	Y	N	N	N	N	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	Y	Y	Y	N	N	N	N	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	Y	Y	Y	N	N	N	N	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	Y	Y	Y	N	N	N	N	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	Y	Y	Y	N	N	N	N	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	Y	Y	N	N	N	N	N	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	Y	Y	N	N	N	N	N	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	Y	Y	N	N	N	N	N	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	Y	Y	N	N	N	N	N	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	Y	Y	N	N	N	N	N	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	N	N	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	Y	Y	N	N	N	N	N	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	Y	Y	N	N	N	N	N	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	Y	Y	N	N	N	N	N	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	Y	Y	N	N	N	N	N	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	Y	Y	N	N	N	N	N	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	Y	Y	N	N	N	N	N	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	Y	Y	N	N	N	N	N	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	Y	Y	Y	N	N	N	N	
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	Y	Y	N	N	N	N	N	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	Y	Y	Y	N	N	N	N	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	Y	Y	N	N	N	N	N	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	Y	Y	Y	N	N	N	N	
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	Y	Y	R1 R2	N	N	N	N	R1 Prohibited between Blue Anchor and North Kent East Jn R2 No.5 Down line, clear to crossovers to and from Sussex side lines and Up Passenger Loop between London Bridge and Spa Road Jn
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	Y	Y	N	N	N	N	N	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	Y	Y	N	N	N	N	N	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	Y	Y	N	N	N	N	N	
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	Y	Y	N	N	N	N	N	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	Y	Y	N	N	N	N	N	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	Y	Y	N	N	N	N	N	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	Y	Y	N	N	N	N	N	
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	Y	Y	N	N	N	N	N	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	Y	Y	N	N	N	N	N	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	Y	Y	N	N	N	N	N	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	Y	Y	Y	N	N	N	N	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	Y	Y	Y	N	N	N	N	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	Y	Y	Y	N	N	N	N	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	Y	Y	Y	N	N	N	N	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	Y	Y	R1	N	N	N	N	R1 15mph Ashford platform 1 Up Loop line
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	Y	Y	R1	N	N	N	N	R1 15mph Ashford platform 1 Up Loop line
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	Y	Y	Y	N	N	N	N	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	Y	Y	Y	N	N	N	N	
SO130	XTD	Saltwood Jn – Dover Substation	66	38	76	45	Y	Y	N	N	N	N	N	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	Y	Y	N	N	N	N	N	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	Y	Y	N	N	N	N	N	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	Y	Y	N	N	N	N	N	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	Y	Y	N	N	N	N	N	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	Y	Y	N	N	N	N	N	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	Y	Y	N	N	N	N	N	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	Y	Y	N	N	N	N	N	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	Y	Y	N	N	N	N	N	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	Y	Y	N	N	N	N	N	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	Y	Y	N	N	N	N	N	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	Y	Y	N	N	N	N	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	Y	Y	Y	N	N	N	N	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	Y	Y	R1	N	N	N	N	R1 10mph West St Leonards Up platform
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	Y	Y	N	N	N	N	N	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	Y	Y	Y	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	Y	Y	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	Y	Y	N	N	N	N	N	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	Y	Y	N	N	N	N	N	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	Y	Y	N	N	N	N	N	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	Y	Y	N	N	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	Y	Y	N	N	N	N	N	
SO240	BME2	Sandwich – Minster South	86	46	82	21	Y	Y	N	N	N	N	N	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	Y	Y	N	N	N	N	N	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	Y	Y	N	N	N	N	N	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	Y	Y	Y	N	N	N	N	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	Y	Y	N	N	N	N	N	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	Y	Y	Y	N	N	N	N	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	Y	Y	Y	N	N	N	N	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	Y	Y	Y	N	N	N	N	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	Y	Y	Y	N	N	N	N	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	Y	Y	Y	N	N	N	N	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	Y	Y	Y	N	N	N	N	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	Y	Y	Y	N	N	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	Y	Y	Y	N	N	N	N	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	Y	Y	Y	N	N	N	N	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	Y	Y	Y	N	N	N	N	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	Y	Y	Y	N	N	N	N	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	Y	Y	Y	N	N	N	N	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	Y	Y	Y	N	N	N	N	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	Y	Y	N	N	N	N	N	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	Y	Y	N	N	N	N	N	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	Y	Y	R1	N	N	N	N	R1 20mph Peckham Rye platform 4 Down Catford Loop line
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	Y	Y	N	N	N	N	N	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	Y	Y	N	N	N	N	N	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	Y	Y	N	N	N	N	N	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	N	N	N	N	N	N	N	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	N	N	N	N	N	N	N	
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	N	N	N	N	N	N	N	
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	Y	Y	N	N	N	N	N	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	Y	Y	Y	N	N	N	N	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	Y	Y	Y	N	N	N	N	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	Y	Y	N	N	N	N	N	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	Y	Y	Y	N	N	N	N	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	Y	Y	Y	N	N	N	N	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	Y	Y	N	N	N	N	N	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	Y	Y	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	Y	Y	N	N	N	N	N	
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	Y	Y	N	N	N	N	N	
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	Y	Y	N	N	N	N	N	
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	Y	Y	N	N	N	N	N	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	Y	Y	N	N	N	N	N	
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	Y	Y	N	N	N	N	N	
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	Y	Y	N	N	N	N	N	
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	Y	Y	N	N	N	N	N	
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	Y	Y	N	N	N	N	N	
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	Y	Y	N	N	N	N	N	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	Y	Y	N	N	N	N	N	
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	Y	Y	N	N	N	N	N	
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	Y	Y	N	N	N	N	N	
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	Y	Y	N	N	N	N	N	
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	Y	Y	N	N	N	N	N	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	Y	Y	N	N	N	N	N	
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	Y	Y	N	N	N	N	N	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	Y	Y	N	N	N	N	N	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	Y	Y	N	N	N	N	N	
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	Y	Y	N	N	N	N	N	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	Y	Y	N	N	N	N	N	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	Y	Y	N	N	N	N	N	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	Y	Y	N	N	N	N	N	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	Y	Y	N	N	N	N	N	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	Y	Y	N	N	N	N	N	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	Y	Y	N	N	N	N	N	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	Y	Y	N	N	N	N	N	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	Y	Y	N	N	N	N	N	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	Y	Y	N	N	N	N	N	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	Y	Y	Y	N	N	N	N	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	Y	Y	Y	N	N	N	N	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	Y	Y	Y	N	N	N	N	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	Y	Y	Y	N	N	N	N	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	Y	Y	N	N	N	N	N	
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	Y	Y	Y	N	N	N	N	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	Y	Y	Y	N	N	N	N	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	Y	Y	Y	N	N	N	N	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	Y	Y	Y	N	N	N	N	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	Y	Y	R1	N	N	N	N	R1 20mph Selhurst platform 4 Up Fast Victoria line
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	Y	Y	Y	N	N	N	N	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	Y	Y	Y	N	N	N	N	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	Y	Y	Y	N	N	N	N	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	Y	Y	Y	N	N	N	N	
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	Y	Y	Y	N	N	N	N	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	Y	Y	Y	N	N	N	N	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	Y	Y	Y	N	N	N	N	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	Y	Y	Y	N	N	N	N	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	Y	Y	Y	N	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	Y	Y	Y	N	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	Y	Y	Y	N	N	N	N	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	Y	Y	Y	N	N	N	N	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	Y	Y	Y	N	N	N	N	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	Y	Y	Y	N	N	N	N	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	Y	Y	Y	N	N	N	N	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	Y	Y	Y	N	N	N	N	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	N	N	N	N	N	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	Y	Y	Y	N	N	N	N	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	N	N	N	N	N	N	N	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	Y	Y	Y	N	N	N	N	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	Y	Y	Y	N	N	N	N	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	Y	Y	Y	N	N	N	N	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	Y	Y	Y	N	N	N	N	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	Y	Y	Y	N	N	N	N	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	Y	Y	Y	N	N	N	N	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	Y	Y	R1 R2	N	N	N	N	R1 20mph Faygate Down platform Down Horsham line R2 10mph Faygoate Up platform Up Horsham line
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	Y	Y	Y	N	N	N	N	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	Y	Y	R1	N	N	N	N	R1 20mph Billingshurst platform 1
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	Y	Y	R1	N	N	N	N	R1 50mph Arundel Up platform
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	Y	Y	Y	N	N	N	N	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	Y	Y	R1	N	N	N	N	R1 Prohibited Barnham Up Sidings
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	Y	Y	Y	N	N	N	N	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	Y	Y	Y	N	N	N	N	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	Y	Y	Y	N	N	N	N	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	Y	Y	Y	N	N	N	N	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	Y	Y	Y	N	N	N	N	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	Y	Y	Y	N	N	N	N	
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	Y	Y	Y	N	N	N	N	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	Y	Y	Y	N	N	N	N	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	Y	Y	N	N	N	N	N	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	Y	Y	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	Y	Y	N	N	N	N	N	
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	Y	Y	R1	N	N	N	N	R1 30mph Leigh Up platform
SO560	RSJ	Redhill – Reigate	22	40	24	27	Y	Y	R1	N	N	N	N	R1 – Prohibited Redhill – Redhill South Jn
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	Y	Y	Y	N	N	N	N	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	Y	Y	N	N	N	N	N	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	Y	Y	N	N	N	N	N	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	Y	Y	N	N	N	N	N	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	Y	Y	N	N	N	N	N	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	Y	Y	N	N	N	N	N	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	Y	Y	N	N	N	N	N	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	Y	Y	R1	N	N	N	N	R1 30mph Leigh Up platform
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	Y	Y	N	N	N	N	N	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	Y	Y	R1	N	N	N	N	R1 Prohibited between Ore start / end of electrification and Appledore
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	Y	Y	N	N	N	N	N	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	Y	Y	N	N	N	N	N	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	Y	Y	N	N	N	N	N	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	Y	Y	N	N	N	N	N	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	Y	Y	N	N	N	N	N	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	Y	Y	N	N	N	N	N	
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	Y	Y	Y	N	N	N	N	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	Y	Y	R1 R2 R3 R4	N	N	N	N	R1 20mph Shoreham-by-Sea Up platform R2 20mph Worthing Down and Up platform lines R3 20mph West Worthing Up platform R4 20mph Goring-by-Sea Down platform
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	Y	Y	N	N	N	N	N	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	Y	Y	N	N	N	N	N	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	Y	Y	N	N	N	N	N	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	Y	Y	N	N	N	N	N	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	Y	Y	N	N	N	N	N	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	Y	Y	Y	N	N	N	N	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	Y	Y	Y	N	N	N	N	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	Y	Y	Y	N	N	N	N	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	Y	Y	Y	N	N	N	N	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	Y	Y	Y	N	N	N	N	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	Y	Y	Y	N	N	N	N	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	Y	Y	Y	N	N	N	N	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	Y	Y	Y	N	N	N	N	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	Y	Y	Y	N	N	N	N	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	Y	Y	Y	N	N	N	N	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	Y	Y	Y	N	N	N	N	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	Y	Y	Y	N	N	N	N	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	Y	Y	Y	N	N	N	N	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	Y	Y	Y	N	N	N	N	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	Y	Y	Y	N	N	N	N	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	Y	Y	Y	N	N	N	N	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	Notes
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	Y	Y	Y	N	N	N	N	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	Y	Y	Y	N	N	N	N	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	Y	Y	Y	N	N	N	N	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	Y	Y	Y	N	N	N	N	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	Y	Y	Y	N	N	N	N	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	Y	Y	Y	N	N	N	N	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	Y	Y	Y	N	N	N	N	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	Y	Y	Y	N	N	N	N	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	Y	Y	Y	N	N	N	N	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	Y	Y	Y	N	N	N	N	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	Y	Y	Y	N	N	N	N	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	Y	Y	Y	N	N	N	N	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	Y	Y	Y	N	N	N	N	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	Y	Y	Y	N	N	N	N	
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	Y	Y	Y	N	N	N	N	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	Y	Y	Y	N	N	N	N	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	Y	Y	Y	N	N	N	N	

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Table D4A – Route clearance of locomotives

Last Updated: 18/02/2023

To be read in conjunction with General Notes.

Class 21/9 locomotives are only permitted on Up and Down West Chords and Up and Down East Chords to CTRL Interface via Ashford International platforms 3 and 4.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	8	Y	Y	Y	Y	Y	Y	Y	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	8	Y	Y	Y	Y	Y	Y	Y	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	8	Y	Y	Y	Y	Y	Y	Y	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	8	Y	Y	Y	Y	Y	Y	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	8	Y	Y	Y	Y	Y	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	8	Y	Y	Y	Y	Y	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	8	Y	Y	Y	Y	Y	Y	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	8	Y	Y	Y	Y	Y	Y	Y	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	8	N	N	N	Y	Y	Y	Y	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	8	N	N	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	8	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	8	Y	Y	Y	Y	Y	Y	Y	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	4	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 Prohibited (from points 648) on to the track leading into Charing Cross platform 1 R2 15mph over Charing Cross Bridge (0m 27ch) with all vehicles prohibited on adjacent tracks unless specially authorised by the Structures Engineer
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	8	Y	Y	Y	Y	Y	Y	Y	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	8	R1	R1	R1	R1	R1	R1	R1	R1 15mph on the Up and Down Cannon Street lines
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	01	50	01	69	8 R1	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R1 RA4 Down & Up Cannon Street Reversible and Down Snow Hill lines NC/G1/2010/ICP-RA/SO001V2 until 01 March 2021 R2 15mph on the Up & Down Cannon Street lines NC/G1/2010/ICP-RA/SO001V2 until 01 March 2021 R3 OPPOS applies over bridge 54 (1m 60ch) on the Up and Down Cannon Street lines
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	8 R1	R2	R2	R2	R2	R2	R2	R2	R1 RA4 Down and Reversible lines (04m 14ch to 04m 18ch) RA8 = All other lines NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021 R2 15mph only Down and Reversible lines (04m 14ch to 04m 18ch) NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	8	Y	Y	Y	Y	Y	Y	Y	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	8	Y	Y	Y	Y	Y	Y	Y	
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	8	Y	Y	Y	Y	Y	Y	Y	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	8	Y	Y	Y	Y	Y	Y	Y	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	8	Y	Y	Y	Y	Y	Y	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	8	Y	Y	Y	Y	Y	Y	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	8	Y	Y	Y	Y	Y	Y	Y	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	8	Y	Y	Y	Y	Y	Y	Y	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	8	Y	Y	Y	Y	Y	Y	Y	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	8	Y	Y	Y	Y	Y	Y	Y	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	8	Y	Y	Y	Y	Y	Y	Y	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	8	Y	Y	Y	Y	Y	Y	Y	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	8	Y	Y	Y	Y	Y	Y	Y	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	8	Y	Y	Y	Y	Y	Y	Y	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	8	Y	Y	Y	Y	Y	Y	Y	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	8	Y	Y	Y	Y	Y	Y	Y	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	6	Y	Y	Y	Y	Y	Y	Y	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	8	Y	Y	Y	Y	Y	Y	Y	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	8	Y	Y	Y	Y	Y	Y	Y	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	8	Y	Y	Y	Y	Y	Y	Y	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	8	Y	Y	Y	Y	Y	Y	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	8	Y	Y	Y	Y	Y	Y	Y	
SO240	BME2	Sandwich – Minster South	86	46	82	21	8	Y	Y	Y	Y	Y	Y	Y	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	8	Y	Y	Y	Y	Y	Y	Y	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	8	Y	Y	Y	Y	Y	Y	Y	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	8	Y	Y	Y	Y	Y	Y	Y	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	8	Y	Y	Y	Y	Y	Y	Y	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	8	Y	Y	Y	Y	Y	Y	Y	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	Y	Y	Y	Y	Y	Y	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	8	Y	Y	Y	Y	Y	Y	Y	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	8	Y	Y	Y	Y	Y	Y	Y	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	8	Y	Y	Y	Y	Y	Y	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	8	Y	Y	Y	Y	Y	Y	Y	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	8	Y	Y	Y	Y	Y	Y	Y	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	8	Y	Y	Y	Y	Y	Y	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	8	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	8	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	8	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	8	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	8	Y	Y	Y	Y	Y	Y	Y	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	8	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	8	Y	Y	Y	Y	Y	Y	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	4	N	N	N	R1 R2 R3	R1 R2 R3	R1 R2 R3 R4	N	R1 15mph through Farringdon R2 OHLE must be isolated R3 Locomotives must not stand under insulators positioned directly above the track as the exhaust can damage the Overhead Line Equipment R4 Route prohibited to Class 33/0 and 33/1
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	4	N	N	N	R1 R2	R1 R2	R1 R2	N	R1 OHLE must be isolated R2 Locomotives must not stand under insulators positioned directly above the track as the exhaust can damage the Overhead Line Equipment
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	8	Y	Y	Y	Y	Y	Y	R1	R1 Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	8	Y	Y	Y	Y	Y	Y	R1	R1 Route prohibited to Class 37 locomotives fitted with roof mounted horns

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	8	Y	Y	Y	Y	Y	Y	R1	R1	Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	8	Y	Y	Y	Y	Y	Y	R1	R1	Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	8	Y	Y	Y	Y	Y	Y	Y		
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	8	Y	Y	Y	Y	Y	Y	Y		
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	8	Y	Y	Y	Y	Y	Y	R1	R1	Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	6	Y	Y	Y	Y	Y	Y	Y		
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	8	Y	Y	Y	Y	Y	Y	Y		
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	8	Y	Y	Y	Y	Y	Y	Y		
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	8	Y	Y	Y	Y	Y	Y	Y		
SO290	NKL	Crayford Creek Jn – Crayford Spur ‘A’ Jn	15	66	16	42	8	Y	Y	Y	Y	Y	Y	Y		
SO290	NKL	Crayford Spur ‘A’ Jn – Dartford Jn	16	42	16	75	8	Y	Y	Y	Y	Y	Y	Y		
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	8	Y	Y	Y	Y	Y	Y	Y		
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	8	Y	Y	Y	Y	Y	Y	Y		
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	8	Y	Y	Y	Y	Y	Y	Y		
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	8	Y	Y	Y	Y	Y	Y	Y		
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	8	Y	Y	Y	Y	Y	Y	Y		
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	8	Y	Y	Y	Y	Y	Y	Y		
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	8	Y	Y	Y	Y	Y	Y	Y		
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	8	Y	Y	Y	Y	Y	Y	Y		
SO310	HDR	Lee – Crayford Spur ‘B’ Jcn	7	66	16	11	8	Y	Y	Y	Y	Y	Y	Y		
SO310	CRA	Crayford Spur ‘B’ Jn – Crayford Spur ‘A’ Jn	16	11	16	43	8	Y	Y	Y	Y	Y	Y	Y		
SO310	HDR	Crayford Spur ‘B’ Jcn – Dartford Jn	16	11	16	75	8	Y	Y	Y	Y	Y	Y	Y		
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	8	Y	Y	Y	Y	Y	Y	Y		

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	8	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	8	Y	Y	Y	Y	Y	Y	Y	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	8	Y	Y	Y	Y	Y	Y	Y	
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	8	Y	Y	Y	Y	Y	Y	Y	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	8	Y	Y	Y	Y	Y	Y	Y	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	8	Y	Y	Y	Y	Y	Y	Y	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	8	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	8	Y	Y	Y	Y	Y	Y	Y	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	8	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	8	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	8	Y	Y	Y	Y	Y	Y	Y	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	8	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	4	R1	R1	R1	R1	R1	R1	R1	R1 40mph over Bridge 711 (12m 43ch)
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	8	Y	Y	Y	Y	Y	Y	Y	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	8	Y	Y	Y	Y	Y	Y	Y	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	8	Y	Y	Y	Y	Y	Y	Y	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	8	Y	Y	Y	Y	Y	Y	Y	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	8	Y	Y	Y	Y	Y	Y	Y	
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	8	Y	Y	Y	Y	Y	Y	Y	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	8	Y	Y	Y	Y	Y	Y	Y	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	8	Y	Y	Y	Y	Y	Y	Y	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	8	Y	Y	Y	Y	Y	Y	Y	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	8	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	8	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	8	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	8	Y	Y	Y	Y	Y	Y	Y	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	8	N	N	N	N	N	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	8	Y	Y	Y	Y	Y	Y	Y	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	8	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	8	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	8	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	8	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	8	Y	Y	Y	Y	Y	Y	Y	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	8	Y	Y	Y	Y	Y	Y	Y	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	7	Y	Y	Y	Y	Y	Y	Y	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	7*	Y	Y	Y	Y	Y	Y	Y	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	8	Y	Y	Y	Y	Y	Y	Y	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	6	Y	Y	Y	Y	Y	Y	Y	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	6	Y	Y	Y	Y	Y	Y	Y	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	4	Y	Y	Y	Y	Y	Y	Y	R1
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	8	Y	Y	Y	Y	Y	Y	Y	
SO560	RSJ	Redhill – Reigate	22	40	24	27	8	Y	Y	Y	Y	Y	Y	Y	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	8	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	8	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	8	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	8	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	8	Y	Y	Y	Y	Y	Y	Y	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	8	Y	Y	Y	Y	Y	Y	Y	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	8	Y	Y	Y	Y	Y	Y	Y	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	8	Y	Y	Y	Y	Y	Y	Y	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	7	Y	Y	Y	Y	Y	Y	Y	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	7	R1	R1	R1	R1	R1	R1	R1	R1 15mph over Military Canal Bridge No.1800 (62m 76ch) between Ham Street and Appledore

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	8	Y	Y	Y	Y	Y	Y	Y	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	8	Y	Y	Y	Y	Y	Y	Y	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	7	Y	Y	Y	Y	Y	Y	Y	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	7	Y	Y	Y	Y	Y	Y	Y	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	7	Y	Y	Y	Y	Y	Y	Y	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	8	Y	Y	Y	Y	Y	Y	Y	
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	8	Y	Y	Y	Y	Y	Y	Y	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	8	Y	Y	Y	Y	Y	Y	Y	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	8	R1	R1	R1	R1	R1	R1	R1	R1 20mph over Bridge 453 Shoreham Viaduct (6m 40ch)
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	8	Y	Y	Y	Y	Y	Y	Y	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	8	Y	Y	Y	Y	Y	Y	Y	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	8	Y	Y	Y	Y	Y	Y	Y	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	8	Y	Y	Y	Y	Y	Y	Y	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	Notes
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	8	Y	Y	Y	Y	Y	Y	Y	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	8	Y	Y	Y	Y	Y	Y	Y	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	8	Y	Y	Y	Y	Y	Y	Y	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	8	Y	Y	Y	Y	Y	Y	Y	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	8	Y	Y	Y	Y	Y	Y	Y	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	8	R1	R1	R1	R1	R1	R1	R1	R1 15 mph over Bridge 3/319 (22m 15ch)
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	8	Y	Y	Y	Y	Y	Y	Y	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	8	Y	Y	Y	Y	Y	Y	Y	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	8	Y	Y	Y	Y	Y	Y	Y	

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Table D4B – Route clearance of locomotives

Last Updated: 03/06/2024

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	8	Y	Y	N	Y	Y	Y	Y	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	8	Y	Y	N	Y	Y	Y	Y	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	8	Y	Y	N	Y	Y	Y	Y	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	8	Y	Y	N	Y	Y	Y	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	8	Y	Y	N	Y	Y	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	8	Y	Y	N	Y	Y	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	8	Y	Y	N	Y	Y	Y	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	8	Y	Y	N	Y	Y	Y	Y	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	8	Y	Y	N	Y	Y	Y	Y	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	8	N	N	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	8	Y	Y	N	Y	Y	Y	Y	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	8	Y	Y	N	Y	Y	Y	Y	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	4	R1 R2	R1 R2	N	R1 R2	R1 R2	R1 R2	R1 R2	R1 Prohibited (from points 648) on to the track leading into Charing Cross platform 1 R2 15mph over Charing Cross Bridge (0m 27ch) with all vehicles prohibited on adjacent tracks unless specially authorised by the Structures Engineer
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	8	Y	Y	N	Y	Y	Y	Y	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	8	R1	R1	N	R1	R1	R1	R1	R1 15mph on the Up and Down Cannon Street lines
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	01	50	01	69	8 R1	R2 R3	R2 R3	N	R2 R3	R2 R3	R2 R3	R2 R3	R1 RA4 Down & Up Cannon Street Reversible and Down Snow Hill lines NC/G1/2010/ICP-RA/SO001V2 until 01 March 2021 R2 15mph on the Up and Down Cannon Street lines NC/G1/2010/ICP-RA/SO001V2 until 01 March 2021 R3 OPPOS applies over bridge 54 (1m 60ch) on the Up and Down Cannon Street lines

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO130	XTD	London Bridge platforms 1-9– North Kent East Jn	1	69	4	25	8 R1	R2	R2	N	R2	R2	R2	R2	R1 RA4 Down and Reversible lines (04m 14ch to 04m 18ch) RA8 = All other lines NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021 R2 15mph only Down and Reversible lines (04m 14ch to 04m 18ch) NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	8	Y	Y	N	Y	Y	Y	Y	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	8	Y	Y	N	Y	Y	Y	Y	
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	8	Y	Y	N	Y	Y	Y	Y	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	8	Y	Y	N	Y	Y	Y	Y	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	8	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	8	Y	Y	N	Y	Y	Y	Y	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	8	Y	Y	N	Y	Y	Y	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	8	Y	Y	N	Y	Y	Y	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	8	Y	Y	N	Y	Y	Y	Y	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	8	Y	Y	N	Y	Y	Y	Y	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	8	Y	Y	N	Y	Y	Y	Y	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	8	Y	Y	N	Y	Y	Y	Y	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	8	Y	Y	N	Y	Y	Y	Y	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	8	Y	Y	N	Y	Y	Y	Y	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	8	Y	Y	N	Y	Y	Y	Y	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	8	Y	Y	N	Y	Y	Y	Y	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	8	Y	Y	N	Y	Y	Y	Y	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	8	Y	Y	N	Y	Y	Y	Y	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	6	Y	N	N	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	8	Y	Y	N	Y	Y	Y	Y	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	8	Y	Y	N	Y	Y	Y	Y	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	8	Y	Y	N	Y	Y	Y	Y	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	8	Y	Y	N	Y	Y	Y	Y	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	8	N	N	N	Y	Y	Y	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO240	BME2	Sandwich – Minster South	86	46	82	21	8	Y	Y	N	Y	Y	Y	Y	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	8	Y	Y	N	Y	Y	Y	Y	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	8	Y	Y	N	Y	Y	Y	Y	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	8	Y	Y	N	Y	Y	Y	Y	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	8	Y	Y	N	Y	Y	Y	Y	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	8	Y	Y	N	Y	Y	Y	Y	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	Y	Y	Y	Y	Y	Y	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	8	Y	Y	N	Y	Y	Y	Y	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	8	Y	Y	N	Y	Y	Y	Y	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	8	Y	Y	N	Y	Y	Y	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	8	Y	Y	N	Y	Y	Y	Y	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	8	Y	Y	Y	Y	Y	Y	Y	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	8	Y	Y	Y	Y	Y	Y	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	8	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	8	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	8	Y	Y	N	Y	Y	Y	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	8	Y	Y	N	Y	Y	Y	Y	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	8	Y	Y	N	Y	Y	Y	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	8	Y	Y	N	Y	Y	Y	Y	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	8	Y	Y	N	Y	Y	Y	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	8	Y	Y	N	Y	Y	Y	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	4	N	N	N	N	N	N	N	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	4	N	N	N	N	N	N	N	
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	8	R1	R1	N	Y	Y	Y	Y	R1 Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	8	R1	R1	N	Y	Y	Y	Y	R1 Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	8	R1	R1	N	Y	Y	Y	Y	R1 Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	8	R1	R1	N	Y	Y	Y	Y	R1 Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	8	Y	Y	N	Y	Y	Y	Y	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	8	Y	Y	N	Y	Y	Y	Y	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	8	R1	R1	N	Y	Y	Y	Y	R1 Route prohibited to Class 37 locomotives fitted with roof mounted horns
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	6	Y	N	N	N	N	N	N	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	8	Y	Y	N	Y	Y	Y	Y	
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	8	Y	Y	N	Y	Y	Y	Y	
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	8	Y	Y	N	Y	Y	Y	Y	
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	8	Y	Y	N	Y	Y	Y	Y	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	8	Y	Y	N	Y	Y	Y	Y	
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	8	Y	Y	N	Y	Y	Y	Y	
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	8	Y	Y	N	Y	Y	Y	Y	
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	8	Y	Y	N	Y	Y	Y	Y	
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	8	Y	Y	N	Y	Y	Y	Y	
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	8	Y	Y	N	Y	Y	Y	Y	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	8	Y	Y	N	Y	Y	Y	Y	
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	8	Y	Y	N	Y	Y	Y	Y	
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	8	Y	Y	N	Y	Y	Y	Y	
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	8	Y	Y	N	Y	Y	Y	Y	
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	8	Y	Y	N	Y	Y	Y	Y	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	8	Y	Y	N	Y	Y	Y	Y	
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	8	Y	Y	N	Y	Y	Y	Y	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	8	Y	Y	N	Y	Y	Y	Y	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	8	Y	Y	N	Y	Y	Y	Y	
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	8	Y	Y	N	Y	Y	Y	Y	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	8	Y	Y	N	Y	Y	Y	Y	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	8	Y	Y	N	Y	Y	Y	Y	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	8	Y	Y	N	Y	Y	Y	Y	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	8	Y	Y	N	Y	Y	Y	Y	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	8	Y	Y	N	Y	Y	Y	Y	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	8	Y	Y	N	Y	Y	Y	Y	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	8	Y	Y	N	Y	Y	Y	Y	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	8	Y	Y	N	Y	Y	Y	Y	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	4	R1	R1	N	R1	R1	R1	R1	R1 40mph over Bridge 711 (12m 43ch)
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	8	Y	Y	N	Y	Y	Y	Y	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	8	Y	Y	N	Y	Y	Y	Y	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	8	Y	Y	N	Y	Y	Y	Y	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	8	Y	Y	N	Y	Y	Y	Y	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	8	Y	Y	N	Y	Y	Y	Y	SO500
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	8	Y	Y	N	Y	Y	Y	Y	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	8	Y	Y	N	Y	Y	Y	Y	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	8	Y	Y	N	Y	Y	Y	Y	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	8	Y	Y	N	Y	Y	Y	Y	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	8	Y	Y	N	Y	Y	Y	Y	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	8	Y	Y	N	Y	Y	Y	Y	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	8	Y	Y	N	Y	Y	Y	Y	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	8	N	N	N	N	N	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	8	Y	Y	N	Y	Y	Y	Y	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	8	N	N	N	N	N	N	N	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	8	Y	Y	N	Y	Y	Y	Y	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	8	Y	Y	N	Y	Y	Y	Y	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	8	Y	Y	N	Y	Y	Y	Y	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	8	Y	Y	N	Y	Y	Y	Y	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	8	Y	Y	N	Y	Y	Y	Y	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	8	Y	Y	N	Y	Y	Y	Y	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	8	Y	Y	N	Y	Y	Y	Y	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	8	Y	Y	N	Y	Y	Y	Y	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	8	Y	Y	N	Y	Y	Y	Y	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	8	Y	Y	N	Y	Y	Y	Y	
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	8	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	8	Y	Y	N	Y	Y	Y	Y	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	8	Y	Y	N	Y	Y	Y	Y	
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	8	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	7	Y	Y	Y	Y	Y	Y	Y	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	8	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	7*	Y	Y	Y	Y	Y	Y	Y	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	8	Y	Y	N	Y	Y	Y	Y	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	4	Y	N	N	Y	R1	Y	N	R1 Route prohibited to Class 47/4 locomotives that conform to RA7
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	6	Y	N	N	Y	R1	Y	N	R1 Route prohibited to Class 47/4 locomotives that conform to RA7
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	4	R1	N	N	R1	R1 R2	R1	N	R1 30mph over Red Lane Bridge (SCU1 526) (21m 78ch) STNC/G1/2010/ICP-RA/SO018a until 31 December 2017 R2 Route prohibited to Class 47/4 locomotives that conform to RA7
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	8	Y	Y	N	Y	Y	Y	Y	
SO560	RSJ	Redhill – Reigate	22	40	24	27	8	Y	Y	N	Y	Y	Y	Y	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	8	Y	Y	N	Y	Y	Y	Y	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	8	Y	Y	N	Y	Y	Y	Y	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	8	Y	Y	N	Y	Y	Y	Y	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	8	Y	Y	N	Y	Y	Y	Y	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	8	Y	Y	N	Y	Y	Y	Y	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	8	Y	Y	N	Y	Y	Y	Y	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	8	Y	Y	N	Y	Y	Y	Y	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	7	Y	Y	N	Y	Y	Y	Y	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	7	R1	R1	N	R1	R1	R1	R1	R1 15mph over Military Canal Bridge No.1800 (62m 76ch) between Ham Street and Appledore
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	8	Y	Y	N	Y	Y	Y	Y	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	8	Y	Y	N	Y	Y	Y	Y	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	7	Y	Y	N	Y	Y	Y	Y	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	7	Y	Y	N	Y	Y	Y	Y	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	7	Y	Y	N	Y	Y	Y	Y	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	8	Y	Y	N	Y	Y	Y	Y	
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	8	Y	Y	N	Y	Y	Y	Y	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	8	Y	Y	N	Y	Y	Y	Y	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	8	R1	R1	N	R1	R1	R1	R1	R1 20mph over Bridge 453 Shoreham Viaduct (6m 40ch)
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	8	Y	Y	N	Y	Y	Y	Y	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	8	Y	Y	N	Y	Y	Y	Y	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	8	Y	Y	N	Y	Y	Y	Y	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	8	Y	Y	N	Y	Y	Y	Y	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	8	Y	Y	N	Y	Y	Y	Y	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	8	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	8	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	8	Y	Y	N	Y	Y	Y	Y	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	8	Y	Y	N	Y	Y	Y	Y	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	8	Y	Y	N	Y	Y	Y	Y	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	8	Y	Y	N	Y	Y	Y	Y	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	8	Y	Y	N	Y	Y	Y	Y	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	8	Y	Y	N	Y	Y	Y	Y	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	8	Y	Y	N	Y	Y	Y	Y	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	8	Y	Y	N	Y	Y	Y	Y	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	8	Y	Y	N	Y	Y	Y	Y	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	8	Y	Y	N	Y	Y	Y	Y	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	8	Y	Y	N	Y	Y	Y	Y	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	8	Y	Y	N	Y	Y	Y	Y	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	8	Y	Y	N	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/5	37/7 37/9	43	47/2	47/4	47/7	56	Notes
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	Y	N	Y	Y	Y	Y	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	8	R1	R1	N	R1	R1	R1	R1	R1 15 mph over Bridge 3/319 (22m 15ch)
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	8	Y	Y	N	Y	Y	Y	Y	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	8	Y	Y	N	Y	Y	Y	Y	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	8	Y	Y	N	Y	Y	Y	Y	

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Table D4C – Route clearance of locomotives

Last Updated: 18/02/2023

To be read in conjunction with General Notes.

Class 67 – Additional speed restrictions are detailed on the current Vehicle/Infrastructure Summary of Compatibility documentation

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	8	N	N	N	N	N	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	4	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	N	R1 R2	R1 R2	R1 R2	R1 Prohibited (from points 648 on to the track leading into Charing Cross platform 1 R2 15mph over Charing Cross Bridge (0m 27ch) with all vehicles prohibited on adjacent tracks unless specially authorised by the Structures Engineer
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1 15mph on the Up and Down Cannon Street lines
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	01	50	01	69	8 R1	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R2 R3	R1 RA4 Down & Up Cannon Street Reversible and Down Snow Hill lines NC/G1/2010/ICP-RA/SO001V2 until 01 March 2021 R2 15mph on the Up and Down Cannon Street lines NC/G1/2010/ICP-RA/SO001V2 until 01 March 2021 R3 OPPOS applies over bridge 54 (1m 60ch) on the Up and Down Cannon Street lines

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	8 R1	R2	R2	R2	R2	R2	R2	R2	R2	R2	R2	R1 RA4 Down and Reversible lines (04m 14ch to 04m 18ch) RA8 = All other lines NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021 R2 15mph only Down and Reversible lines (04m 14ch to 04m 18ch) NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	8	Y	Y	Y	Y	Y	Y	Y	Y	R1	Y	R1 Prohibited Hothfield Sidings
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	6	N	N	N	N	Y	N	N	N	Y	Y	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO240	BME2	Sandwich – Minster South	86	46	82	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	8	Y	Y	Y	Y	Y	Y	R1	Y	Y	Y	R1 Prohibtied on the Up Catford Loop
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	8	Y	Y	Y	Y	Y	Y	Y	R1 R2	Y	Y	R1 Prohibited Down Catford Loop line between Crofton Park and Catford R2 Prohibited Up Catford Loop line between Bellingham and Beckenham Hill
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	8	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	4	N	N	N	N	N	N	N	N	R1 R2 R3 R4	N	R1 15mph though Farringdon R2 OHLE must be isolated R3 Locomotives must not stand under insulators positioned directly above the track as the exhaust can damage the Overhead Line Equipment R4 Prohibited in DC mode
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	4	N	N	N	N	N	N	N	N	R1 R2 R3	N	R1 OHLE must be isolated R2 Locomotives must not stand under bridges, tunnels and insulators, positioned directly above the track, as the exhaust can damage the Overhead Line Equipment R3 Prohibited in DC mode
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	8	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	8	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	8	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	8	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	8	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	6	N	N	N	N	N	N	N	N	Y	Y	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	8	Y	Y	Y	Y	Y	Y	Y	R1 R2	Y	Y	R1 Prohibited between Charlton and Plumstead R2 - 5mph Greens End, General Gordon, New Road, & Baking Hall Bridge No.594,594A, 595 & 596 between Woolwich Dockyard Station and Woolwich Arsenal Station Up and Down North Kent line (09m 26ch)
	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	8	Y	Y	Y	Y	Y	Y	R1	R1	Y	Y	R1 Prohibited Down Main line between Halling and Snodland
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	4	R1	R1	R1	R1	R1	R1	N	R1	R1	R1	R1 40mph over Bridge 711 (12m 43ch)
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	8	Y	Y	Y	Y	Y	Y	R1	Y	Y	Y	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	8	N	N	N	N	Y	N	N	N	Y	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	8	N	N	N	N	Y	N	N	N	Y	N	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	8	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	7*	Y	Y	Y	Y	Y	Y	Y	Y	R1	Y	R1 Prohibited from platforms 1 & 3 at Portsmouth Harbour unless hauling Infrastructure Monitoring Trains
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	6	Y	R1	R1	R1	R2	R1	R1	R1	Y	Y	R1 Prohibited beyond 12m 40ch R2 - 60mph over Riddlestown Viaduct between Riddlestown and Workingham (14m 56ch – 14m 63ch)
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	6	Y	N	N	N	N	N	N	N	Y	Y	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	4	Y	N	N	N	N	N	N	N	Y	Y	R1

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	8	Y	Y	Y	Y	Y	Y	R1	Y	Y	Y	R1 Prohibited on the Up Tonbridge between Nutfield and Godstone Tip
SO560	RSJ	Redhill – Reigate	22	40	24	27	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	8	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	7	Y	Y	Y	N	Y	N	Y	Y	Y	Y	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	7	R1	R1	R1	N	R1	N	R1	R1	R1	R1	R1 15mph over Military Canal Bridge No.1800 (62m 76ch) between Ham Street and Appledore
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	7	Y	Y	Y	N	Y	N	Y	Y	Y	Y	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	7	Y	Y	Y	N	Y	N	Y	Y	Y	Y	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	7	Y	Y	Y	N	Y	N	Y	Y	Y	Y	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1 20mph over Bridge 453 Shoreham Viaduct (6m 40ch)
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	57	58	59	60	66	67	68	70	73	97/3	Notes
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1 15 mph over Bridge 3/319 (22m 15ch)
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Table D4D – Route clearance of locomotives

Last Updated: 14/08/2021

To be read in conjunction with General Notes.

Class 92 locomotives may additionally be dead hauled on any route that conforms to W6a and RA7 provided that the 'Battery Isolation Switch' is set to the 'Isolate' position

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	8	N	N	Y	N	N	N	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	N	N	Y	N	N	N	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	8	N	N	Y	N	N	N	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	8	N	N	Y	N	N	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	8	N	N	Y	N	N	N	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	8	N	N	Y	N	N	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	8	N	N	Y	N	N	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	8	N	N	Y	N	N	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	8	N	N	Y	N	N	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	8	N	N	Y	N	N	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	8	N	N	Y	N	N	N	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	8	N	N	Y	N	N	N	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	8	N	N	Y	N	N	N	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	8	N	N	Y	N	N	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	8	N	N	Y	N	N	Y	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	8	N	N	Y	N	N	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	8	N	N	Y	N	N	Y	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	8	N	N	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	OO OO M	OO OO Ch	OO OO M	OO OO Ch	RA	86	87	88	90	91	92	Notes
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	8	N	N	Y	N	N	Y	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	8	N	N	Y	N	N	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	8	N	N	Y	N	N	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	8	N	N	Y	N	N	Y	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	8	N	N	Y	N	N	N	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	8	N	N	Y	N	N	Y	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	8	N	N	Y	N	N	N	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	8	N	N	Y	N	N	N	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	8	N	N	Y	N	N	N	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	8	N	N	Y	N	N	N	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	8	N	N	Y	N	N	N	
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	8	N	N	Y	N	N	N	
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	8	N	N	Y	N	N	N	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	4	N	N	N	N	N	N	
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	8	N	N	Y	N	N	N	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	8	N	N	Y	N	N	N	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	8	N	N	Y	N	N	N	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	8	N	N	Y	N	N	N	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	8	N	N	Y	N	N	N	
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	8 R1	N	N	R2	N	N	N	R1 RA4 Down and Reversible lines (04m 14ch to 04m 18ch) RA8 = All other lines NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021 R2 15mph only Down and Reversible lines (04m 14ch to 04m 18ch) NC/G1/2010/ICP-RA/SO001V1 until 01 March 2021
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	8	N	N	Y	N	N	N	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	8	N	N	Y	N	N	N	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	8	N	N	Y	N	N	N	
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	8	N	N	Y	N	N	N	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	8	N	N	Y	N	N	N	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	8	N	N	Y	N	N	N	
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	8	N	N	Y	N	N	N	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	8	N	N	Y	N	N	N	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	8	N	N	Y	N	N	N	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	8	N	N	Y	N	N	Y	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	8	N	N	Y	N	N	Y	
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	8	N	N	Y	N	N	Y	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	8	N	N	Y	N	N	Y	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	8	N	N	Y	N	N	Y	
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	8	N	N	Y	N	N	Y	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	8	N	N	Y	N	N	Y	
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	8	N	N	Y	N	N	Y	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	8	N	N	Y	N	N	Y	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	8	N	N	Y	N	N	N	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	4	N	N	N	N	N	N	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	8	N	N	Y	N	N	N	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	8	N	N	Y	N	N	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	8	N	N	Y	N	N	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	8	N	N	Y	N	N	Y	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	8	N	N	Y	N	N	N	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	8	N	N	Y	N	N	N	
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	8	N	N	Y	N	N	N	
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	8	N	N	Y	N	N	N	
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	8	N	N	Y	N	N	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	8	N	N	Y	N	N	N	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	8	N	N	Y	N	N	N	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	8	N	N	Y	N	N	N	
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	6	N	N	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	8	N	N	Y	N	N	N	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	8	N	N	Y	N	N	N	
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	8	N	N	Y	N	N	N	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	8	N	N	Y	N	N	N	
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	8	N	N	Y	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	8	N	N	Y	N	N	N	
SO240	BME2	Sandwich – Minster South	86	46	82	21	8	N	N	Y	N	N	N	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	8	N	N	Y	N	N	N	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	8	N	N	Y	N	N	N	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	8	N	N	Y	N	N	N	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	8	N	N	Y	N	N	N	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	8	N	N	Y	N	N	N	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	N	N	Y	N	N	N	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	8	N	N	Y	N	N	N	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	8	N	N	Y	N	N	N	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	8	N	N	Y	N	N	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	8	N	N	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	8	N	N	Y	N	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	8	N	N	Y	N	N	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	8	N	N	Y	N	N	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	8	N	N	Y	N	N	N	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	8	N	N	Y	N	N	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	8	N	N	Y	N	N	R1	R3 15mph between limit of AC electrification (4m 69ch) and Northbound AC/DC changeover when operating in AC mode
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	8	N	N	Y	N	N	R1	R1 15mph when operating in AC mode
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	8	N	N	Y	N	N	R1	R1 15mph when operating in AC mode
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	8	N	N	Y	N	N	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	8	N	N	R1	N	N	Y	R1 Prohibited Up Catford Loop
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	8	N	N	Y	N	N	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	8	N	N	Y	N	N	Y	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	8	N	N	Y	N	N	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	8	N	N	Y	N	N	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	4	N	N	N	N	N	N	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	4	N	N	N	N	N	N	
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	8	N	N	Y	N	N	N	
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	8	N	N	Y	N	N	N	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	8	N	N	Y	N	N	N	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	8	N	N	Y	N	N	N	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	8	N	N	Y	N	N	N	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	8	N	N	Y	N	N	N	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	6	N	N	N	N	N	N	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	8	N	N	Y	N	N	N	
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	8	N	N	Y	N	N	N	
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	8	N	N	Y	N	N	N	
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	8	N	N	Y	N	N	N	
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	8	N	N	Y	N	N	N	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	8	N	N	Y	N	N	N	
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	8	N	N	Y	N	N	N	
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	8	N	N	Y	N	N	N	
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	8	N	N	Y	N	N	N	
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	8	N	N	Y	N	N	N	
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	8	N	N	Y	N	N	N	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	8	N	N	Y	N	N	N	
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	8	N	N	Y	N	N	N	
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	8	N	N	Y	N	N	N	
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	8	N	N	Y	N	N	N	
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	8	N	N	Y	N	N	N	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	8	N	N	Y	N	N	N	
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	8	N	N	Y	N	N	N	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	8	N	N	Y	N	N	N	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	8	N	N	R1 R2	N	N	N	R1 Prohibited Strood - Halling on the Up R2 Prohibited Halling - Snodland on the Down
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	8	N	N	Y	N	N	N	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	8	N	N	Y	N	N	N	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	8	N	N	Y	N	N	N	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	8	N	N	Y	N	N	N	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	00 00 M	00 00 Ch	00 00 M	00 00 Ch	RA	86	87	88	90	91	92	Notes
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	8	N	N	Y	N	N	N	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	8	N	N	Y	N	N	N	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	8	N	N	Y	N	N	N	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	8	N	N	Y	N	N	N	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	4	N	N	N	N	N	N	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	8	N	N	Y	N	N	N	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	8	N	N	R1	N	N	N	R1 Prohibited Victoria platform 19
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	8	N	N	Y	N	N	N	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	8	N	N	Y	N	N	N	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	8	N	N	Y	N	N	N	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	8	N	N	Y	N	N	N	
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	8	N	N	Y	N	N	N	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	8	N	N	Y	N	N	N	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	8	N	N	Y	N	N	N	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	8	N	N	Y	N	N	N	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	8	N	N	Y	N	N	N	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	8	N	N	Y	N	N	N	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	8	N	N	Y	N	N	N	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	8	N	N	Y	N	N	N	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	8	N	N	Y	N	N	N	
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	8	N	N	Y	N	N	N	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	8	N	N	Y	N	N	N	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	8	N	N	Y	N	N	N	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	8	N	N	Y	N	N	N	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	8	N	N	Y	N	N	N	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	8	N	N	Y	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	8	N	N	Y	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	8	N	N	Y	N	N	N	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	8	N	N	Y	N	N	N	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	8	N	N	Y	N	N	N	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	8	N	N	Y	N	N	N	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	8	N	N	Y	N	N	N	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	8	N	N	Y	N	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	8	N	N	Y	N	N	N	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	8	N	N	Y	N	N	N	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	8	N	N	Y	N	N	N	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	8	N	N	Y	N	N	N	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	8	N	N	Y	N	N	N	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	8	N	N	Y	N	N	N	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	8	N	N	Y	N	N	N	
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	8	N	N	Y	N	N	N	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	8	N	N	Y	N	N	N	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	8	N	N	Y	N	N	N	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	8	N	N	Y	N	N	N	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	8	N	N	Y	N	N	N	
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	8	N	N	Y	N	N	N	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	8	N	N	Y	N	N	N	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	8	N	N	Y	N	N	N	
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	8	N	N	Y	N	N	N	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	8	N	N	Y	N	N	N	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	OO OO M	OO OO Ch	OO OO M	OO OO Ch	RA	86	87	88	90	91	92	Notes
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	8	N	N	Y	N	N	N	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	7	N	N	Y	N	N	N	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	8	N	N	Y	N	N	N	
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	7*	N	N	Y	N	N	N	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	8	N	N	Y	N	N	N	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	6	N	N	N	N	N	N	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	6	N	N	N	N	N	N	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	4	N	N	N	N	N	N	
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	8	N	N	R1	N	N	N	R1 Prohibited Nuffield - Godstone Tip on the Up
SO560	RSJ	Redhill – Reigate	22	40	24	27	8	N	N	Y	N	N	N	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	8	N	N	Y	N	N	N	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	8	N	N	Y	N	N	N	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	8	N	N	Y	N	N	N	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	8	N	N	Y	N	N	N	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	8	N	N	Y	N	N	N	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	8	N	N	Y	N	N	N	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	8	N	N	Y	N	N	N	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	8	N	N	Y	N	N	N	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	7	N	N	Y	N	N	N	
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	7	N	N	Y	N	N	N	
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	8	N	N	Y	N	N	N	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	7	N	N	Y	N	N	N	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	7	N	N	Y	N	N	N	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	7	N	N	Y	N	N	N	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	8	N	N	Y	N	N	N	
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	8	N	N	Y	N	N	N	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	8	N	N	Y	N	N	N	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	8	N	N	Y	N	N	N	
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	8	N	N	Y	N	N	N	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	8	N	N	Y	N	N	N	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	8	N	N	Y	N	N	N	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	8	N	N	Y	N	N	N	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	8	N	N	Y	N	N	N	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	8	N	N	Y	N	N	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	8	N	N	Y	N	N	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	8	N	N	Y	N	N	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	8	N	N	Y	N	N	N	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	8	N	N	Y	N	N	N	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	8	N	N	Y	N	N	N	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	8	N	N	Y	N	N	N	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	8	N	N	Y	N	N	N	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	8	N	N	Y	N	N	N	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	8	N	N	Y	N	N	N	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	8	N	N	Y	N	N	N	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	8	N	N	Y	N	N	N	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	8	N	N	Y	N	N	N	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	8	N	N	R1	N	N	N	R1 Prohibited Chipstead - Kingswood on the Down Tattenham
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	8	N	N	Y	N	N	N	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	8	N	N	Y	N	N	N	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	8	N	N	Y	N	N	N	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	8	N	N	Y	N	N	N	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	8	N	N	Y	N	N	N	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	8	N	N	Y	N	N	N	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	8	N	N	Y	N	N	N	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	8	N	N	Y	N	N	N	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	8	N	N	Y	N	N	N	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	8	N	N	Y	N	N	N	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	8	N	N	Y	N	N	N	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	8	N	N	Y	N	N	N	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	8	N	N	Y	N	N	N	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	8	N	N	Y	N	N	N	
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	N	N	Y	N	N	N	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	8	N	N	Y	N	N	N	
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	8	N	N	Y	N	N	N	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	8	N	N	Y	N	N	N	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	8	N	N	Y	N	N	N	

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Table D5A – Route Clearance of Freight Vehicles

Last Updated: 13/07/2019

To be read in conjunction with General Notes.

The notations (used in these tables) are explained as follows for freight vehicles or loads conforming to the Group Standards:

Y Permitted to operate over the route without restriction.

R Permitted to operate over part or all of the route but restrictions apply. See “Notes” column for details.

S Permitted for, or prohibited to, specific traffic. See “Notes” column for details.

* Route does not conform to Group Standard W6A Lower Gauge as defined in GE/RT8073. Certain W6A vehicles are prohibited from all or part of the route; these restrictions are detailed on the Summary of Compatibility for the vehicles concerned.

N Prohibited from operating over the route

Conditions of Operation

1. When operating within a possession the notations detailed within the table may not apply subject to a risk assessment and the application of appropriate control measures (in accordance with company and Group Standards).

2. Freight traffic, other than containers/swap bodies, which exceed W6A gauge shall only operate in accordance with GORT3056-K

3. Vehicles conveying containers/swap bodies are also subject to the procedure detailed in GO/RM3056, Section J Intermodal Traffic.

4. Temporary authority for a specific wagon and container/swapbody combination may be granted by the Infrastructure Manager’s Gauging Engineer. This authority shall be detailed and issued on an RT3973/CON form.

Note

GO/RM3056 Section J Intermodal Traffic contains details of the wagon type (by TOPS code) and container/swapbody (by height, width and/or size code) combinations that conform to the gauges shown as column headings in this table.

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO110	Victoria (Eastern) – Factory Jn	Y *	N	N	N	N	N	N	N	
SO110	Factory Jn – Brixton Jn	Y *	Y	Y	Y	N	N	N	N	
SO110	Brixton Jn – Shortlands Jn	S1 *	S2	N	N	N	N	N	N	S1 The following combination is permitted, up to: 2438 (h) x 2438 (w) box on **FEA** wagons S2 The following combination is permitted, up to: 2438 (h) x 2438 (w) box on **KFA** wagons
SO110	Shortlands Jn – Swanley Jn	Y	Y	Y	Y	N	N	N	N	
SO110	Swanley – Rochester, Fort Pitt Tunnel western portal via Sole Street	Y *	Y	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2590 (h) x 2500 (w) box on FEA FSA/FTA wagons 2667 (h) x 2500 (w) box on FAA FLA wagons 25 mph Both lines Br. VIR-97 [17m 67ch] 15 mph Both lines Br. VIR-106 [21m 21ch] 35 mph Both lines Br. VIR-127 [27m 30ch] Prohibited Rochester Up Chatham Up Rochester Loop – enter Fort Pitt Tunnel

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO110	Rochester, Fort Pitt Tunnel western portal – Gillingham	Y *	N	N	N	N	N	N	N	
SO110	Gillingham – Ramsgate via Herne Bay	Y *	N	N	N	N	N	N	N	
SO110	Nine Elms Jn – Linford Street Jn (Waterloo Curves) (SW100)	Y	N	N	N	N	N	N	N	
SO110	Battersea Pier Jn – Factory Jn via Stewarts Lane Jn	Y	N	N	N	N	N	N	N	
SO110	Bickley Jn – Petts Wood Jn *Fast Lines and Slow Lines* (SO130)	Y	Y	Y	Y	N	N	N	N	
SO110	Fawkham Jn – Southfleet Jn	Y	N	N	N	N	N	N	N	*Original link – CTRL*
SO110	Gillingham – NR/Dockyard Boundary	Y	N	N	N	N	N	N	N	
SO130	Charing Cross / Cannon Street – Lewisham Courthill Loop Jn South	Y *	N	N	N	N	N	N	N	
SO130	Lewisham Courthill Loop Jn South – Hither Green, Lee Spur Jn including access – / from Grove Park Down Sidings	Y	Y	Y	N	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO130	Hither Green, Lee Spur Jn – Chislehurst Jn	Y	S1	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2590 (h) x 2500 (w) box on **FEA FSA/FTA** wagons 2667 (h) x 2500 (w) box on **FAA FLA** wagons **5 mph** Up Fast line Br. XTD-141 [9m 53ch] **15 mph** Down Fast line Br.XTD-141 [9m 53ch] **25 mph** Slow lines Br. XTD-141 [9m 53ch] **25 mph** Up Slow Line 5 mph Down Slow Line Chislehurst Slow Tunnel [9m 61ch – 10m 10ch]
SO130	Chislehurst Jn – Tonbridge West Jn	S1 *	S1	N	N	N	N	N	N	S1 The following combinations are permitted, up to: 2438 (h) x 2438 (w) box on **FEA KFA** wagons
SO130	Tonbridge West Jn – Ashford 'E' Jn	Y *	Y	R1	S1	N	N	N	N	R1 Prohibited: Down Slow Line (Platform 3) and Up Slow Line (Platform 2) through Tonbridge Station S1 The following combinations are permitted, up to: 2770 (h) x 2550 (w) box on **FIA IFA** wagons 2896 (h) x 2550 (w) box on **IKA FKA** wagons 2553 (h) x 2500 (w) box on **IFB** wagons Prohibited: Down Slow Line (Platform 3) and Up Slow Line (Platform 2) through Tonbridge Station
SO130	Ashford 'E' Jn – Saltwood Jn	Y	Y	Y	Y	N	N	N	N	
SO130	Saltwood Jn – Dover Priory	Y *	N	N	N	N	N	N	N	
SO130	Tanners Hill Jn – Lewisham Vale Jn (exclusive)	Y	N	N	N	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO130	St Johns Jn – Lewisham (exclusive) (SO300)	Y	N	N	N	N	N	N	N	
SO130	Parks Bridge Jn – Ladywell Jn (exclusive) (Ladywell Loop)	Y	N	N	N	N	N	N	N	
SO130	Courthill Loop Jn North (exclusive) – Courthill Loop Jn South (SO330)	Y	Y	Y	N	N	N	N	N	
SO130	Chislehurst: Reversible and Up Chatham Loops	Y *	Y	Y	N	N	N	N	N	
SO130	Saltwood Jn – Continental Jn (NR / Eurotunnel interface)	Y	Y	Y	Y	N	N	N	N	
SO130	Lee Spur Jn – Lee Loop Jn (SO310)	Y	Y	Y	N	N	N	N	N	
SO140	Swanley – Ashford	Y *	Y	Y	S1	N	N	N	N	S1 The following combinations are permitted, up to: 2770 (h) x 2550 (w) box on **FIA IFA** wagons 2896 (h) x 2550 (w) box on **IKA FKA** wagons 2553 (h) x 2500 (w) box on **IFB** wagons **All Lines**
SO140	Otford – Sevenoaks	Y	Y	N	N	N	N	N	N	
SO150	Sittingbourne Western Jn – Sheerness-on-Sea	Y *	N	N	N	N	N	N	N	
SO150	Sittingbourne Eastern Jn – Sittingbourne Middle Jn	Y *	N	N	N	N	N	N	N	
SO160	Faversham – Dover Priory	Y *	N	N	N	N	N	N	N	
SO170	Tonbridge – Mountfield Tunnel (inclusive)	Y *	S	N	N	N	N	N	N	S1 The following combination is permitted, up to: 2438 (h) x 2438 (w) box on **KFA** wagons **25 mph** Br TTH-103 Castle Farm [51m 37ch]
SO170	Mountfield Tunnel (exclusive) – Bo Peep Jn	S *	N	N	N	N	N	N	N	S1 The following combinations are permitted, up to: 2438 (h) x 2438 (w) box on **FEA** wagons **25 mph** Up Line Br. TTH-114 Whatlington B [53m 79ch]

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO180	Paddock Wood – Maidstone West	Y *	N	N	N	N	N	N	N	
SO210	Appledore – Lydd Town (Goods Line)	Y	N	N	N	N	N	N	N	
SO220	Ashford – Ramsgate (via Canterbury West)	Y *	N	N	N	N	N	N	N	
SO220	Minster West Jn – Minster South Jn	Y	N	N	N	N	N	N	N	
SO230	Folkestone East – Folkestone Harbour	Y *	N	N	N	N	N	N	N	
SO240	Buckland Jn – Minster East Jn	Y	N	N	N	N	N	N	N	
SO250	Battersea Pier Jn – Longhedge 'A' Jn [1m 58ch] incl. *Battersea Reversible Line*	Y *	N	N	N	N	N	N	N	
SO250	Longhedge 'B' Jn [1m 63ch] – Pouparts Jn	Y *	Y	N	N	N	N	N	N	
SO250	Factory Jn – West London Jn, Willesden via Longhedge 'A' Jn (SW220)	Y *	Y	Y	Y	N	N	N	N	
SO250	Longhedge 'C' Jn – Ludgate GW Jn via Lavender Hill Jn, *former site of* (SW100)	Y	Y	Y	Y	N	N	N	N	
SO250	Ludgate GW Jn – Latchmere No.2 Jn (SW100)	Y	Y	Y	Y	N	N	N	N	
SO250	Latchmere Jn No 1 – Falcon Jn (via Clapham Jn plat 16 & 17)	Y	Y	Y	Y	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO260	Brixton Jn – Shortlands Jn (Catford Loop Line) (SO645)	Y *	Y	S1	S2	N	N	N	N	S1 The following (W8) combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA FEA FSA/FTA KFA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2667 (h) x 2500 (w) box on **FIA** wagons 2615 (h) x 2550 (w) box on **KFA** wagons **Down Catford Loop,** and **Up Catford Loop ONLY** S2 The following (W9) combinations are permitted, up to: 2553 (h) x 2500 (w) box on **IFB** wagons 2896 (h) x 2550 (w) box on **IKA FKA** wagons 2770 (h) x 2550 (w) box on **FIA IFA** wagons **Down Catford Loop,** and **Up Catford Loop ONLY**
SO260	Ravensbourne Jn – New Shortlands Jn (Ravensbourne Chord Line)	Y	Y	Y	Y	N	N	N	N	
SO280	Farringdon – Loughborough Jn	N	N	N	N	N	N	N	N	
SO280	Loughborough Jn – Herne Hill South Jn	Y	N	N	N	N	N	N	N	
SO280	Blackfriars Jn – Metropolitan Jn	Y *	N	N	N	N	N	N	N	
SO280	Loughborough Jn – Canterbury Road Jn	N	N	N	N	N	N	N	N	
SO280	Loughborough Jn – Cambria Jn	N	N	N	N	N	N	N	N	
SO290	North Kent East Jn – Charlton Jn (via Greenwich)	N	N	N	N	N	N	N	N	
SO290	Charlton Jn – Plumstead	S1	N	N	N	N	N	N	N	S1 Freight vehicles conforming to the W6a profile are permitted, **EXCEPT IFA-S, IFA-U** wagons
SO290	Plumstead – Crayford Creek Jn	Y *	N	N	N	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO290	Crayford Creek Jn – Dartford Jn	Y *	Y	Y	N	N	N	N	N	
SO290	Blackheath Jn – Charlton Jn (SO300)	Y	N	N	N	N	N	N	N	
SO290	Charlton Jn – Angerstein Wharf	Y	N	N	N	N	N	N	N	
SO290	Perry Street Fork Jn – Slade Green Jn (SO300)	Y	N	N	N	N	N	N	N	
SO300	St Johns Jn – Lewisham (exclusive) (SO130)	Y	N	N	N	N	N	N	N	
SO300	Lewisham (inclusive) – Crayford Creek Jn (via Bexleyheath)	Y	Y	S	N	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA FEA FSA/FTA KFA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2615 (h) x 2550 (w) box on **KFA** wagons
SO300	Blackheath Jn – Charlton Jn (SO290)	Y	N	N	N	N	N	N	N	
SO300	Perry Street Fork Jn – Slade Green Jn (SO290)	Y	N	N	N	N	N	N	N	
SO310	Hither Green – Hoo Junction (via Sidcup and Dartford)	Y *	Y	S	N	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA FEA FSA/FTA KFA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2615(h) x 2550(w) box on **KFA** wagons **30mph Both lines at Br. HDR-847 [23m 00ch]**

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO310	Hoo Junction – Rochester Bridge Jn	Y *	S	S	N	N	N	N	N	S1 The following combinations are permitted, up to: 2590(h) x 2500(w) box on **FEA FSA/FTA** wagons 2667 (h) x 2500 (w) box on **FAA FLA** wagons **25 mph Up North Kent line Higham Tunnel [28m 55ch to 29m 45ch]** **35 mph Both lines Strood Tunnel [29m 48ch to 30m 74ch]**
SO310	Strood – Maidstone West	Y *	N	N	N	N	N	N	N	
SO310	Lee Spur Jn – Lee Loop Jn (SO130)	Y	Y	Y	N	N	N	N	N	
SO310	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn (SO290)	Y	Y	Y	N	N	N	N	N	
SO310	Ebbsfleet (NR Boundary) – Springhead Road Jn	-	-	-	-	N	-	N	-	
SO320	Hoo Jn – Grain (Goods Line)	Y	Y	Y	N	N	N	N	N	
SO330	Nunhead – Courthill Loop Jn South (SO130)	Y *	Y	S	N	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA FEA FSA/FTA KFA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2615 (h) x 2550 (w) box on **KFA** wagons
SO330	Courthill Loop Jn North – Hayes	Y	N	N	N	N	N	N	N	
SO330	New Beckenham – Beckenham Junction	Y	N	N	N	N	N	N	N	
SO350	Grove Park – Bromley North	Y	N	N	N	N	N	N	N	
SO500	Victoria – Pouparts Jn	Y *	N	N	N	N	N	N	N	
SO500	Pouparts Jn – Clapham Junction (Falcon Jn)	Y *	Y	N	N	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO500	Clapham Junction (Falcon Jn) – Stoats Nest Jn	Y *	Y	Y	S	N	N	N	N	S1 The following combinations are permitted, up to: 2553 (h) x 2500 (w) box on **IFB** wagons 2896 (h) x 2550 (w) box on **IKA FKA** wagons 2770 (h) x 2550 (w) box on **FIA IFA** wagons
SO500	Stoats Nest Jn – Earlswood Jn via Quarry Lines	Y	N	N	N	N	N	N	N	
SO500	Stoats Nest Jn – Earlswood Jn via Coulsdon COM and Redhill	Y	Y	Y	Y	N	N	N	N	
SO500	Earlswood – Brighton	Y *	N	N	N	N	N	N	N	
SO500	New Copyhold Jn – Ardingly	Y	N	N	N	N	N	N	N	
SO500	Selhurst Jn – Gloucester Road Jn (SO510)	Y	N	N	N	N	N	N	N	
SO500	Streatham North Jn – Streatham South Jn (Slow Spurs)	Y	N	N	N	N	N	N	N	
SO500	Streatham North Jn – Streatham South Jn (Reversible Fast Spur)	Y	N	N	N	N	N	N	N	
SO500	Streatham Jn – Streatham Common (Streatham Spurs)	Y	N	N	N	N	N	N	N	
SO510	London Bridge – Windmill Bridge Jn	Y *	N	N	N	N	N	N	N	
SO510	New Cross Gate Up Jn - Network Rail Boundary (Up ELL EA1325)	Y	N	N	N	N	N	N	N	
SO510	New Cross Gate Down Jn - Network Rail Boundary (Down ELL EA1325)	Y	N	N	N	N	N	N	N	
SO510	Norwood Fork Jn – Epsom Downs	Y *	N	N	N	N	N	N	N	
SO510	Selhurst Jn – Gloucester Road Jn (SO500)	Y	N	N	N	N	N	N	N	
SO510	Sydenham Jn – Crystal Palace Tunnel Jn	Y	N	N	N	N	N	N	N	
SO520	Three Bridges – Arundel Jn (North)	Y *	N	N	N	N	N	N	N	
SO520	Arundel Jn (South) – Havant Jn	Y *	N	N	N	N	N	N	N	
SO520	Ford Jn – Littlehampton Jn	Y	N	N	N	N	N	N	N	
SO530	South Croydon – East Grinstead	Y *	N	N	N	N	N	N	N	
SO540	Hurst Green Jn – Uckfield	Y *	N	N	N	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SO550	Redhill – Tonbridge	Y *	Y	Y	S	N	N	N	N	S1 The following combinations are permitted, up to: 2770 (h) x 2550 (w) box on **FIA IFA**wagons 2896 (h) x 2550 (w) box on **IKA FKA**wagons 2553 (h) x 2500 (w) box on **IFB** wagons
SO560	Redhill – Shalford Jn	Y *	N	N	N	N	N	N	N	
SO590	Keymer Jn – Southerham Jn	Y *	N	N	N	N	N	N	N	
SO590	Southerham Jn – Eastbourne	Y *	N	N	N	N	N	N	N	
SO600	Willingdon Jn – Hastings	Y *	N	N	N	N	N	N	N	
SO600	Hastings – Ashford 'D' Jn	S *	N	N	N	N	N	N	N	S1 The following combinations are permitted, up to: 2438 (h) x 2438 (w) box on **FEA** wagons
SO620	Brighton – Seaford	Y *	N	N	N	N	N	N	N	
SO620	Newhaven Harbour Jn – Newhaven Harbour	Y	N	N	N	N	N	N	N	
SO630	Preston Park Jn / Brighton – Littlehampton	Y	N	N	N	N	N	N	N	
SO640	Barnham – Bognor Regis	Y	N	N	N	N	N	N	N	
SO645	Battersea Park – Factory Jn (Atlantic Lines)	Y	N	N	N	N	N	N	N	
SO645	Factory Jn – Crofton Road Jn (Atlantic Lines) (SO110) (SO260)	Y	Y	S1	S1	N	N	N	N	S1 The following (W8) combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA FEA FSA/FTA KFA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2667 (h) x 2500 (w) box on **FIA** wagon 2615 (h) x 2550 (w) box on **KFA** wagons **Down Atlantic Line** and **Up Atlantic Line**

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	**W7**	**W8**	**W9**	**W9Plus**	**W10**	**W10A**	**W12**	
SO645	Factory Jn – Crofton Road Jn (Atlantic Lines) - *Continued* (SO110) (SO260)	Y	Y	S1	S1	N	N	N	N	S1 The following (W9) combinations are permitted, up to: 2553 (h) x 2500 (w) box on **IFB** wagons 2896 (h) x 2550 (w) box on **IKA FKA** wagons 2770 (h) x 2550 (w) box on **FIA IFA** wagons **Down Atlantic Line,** and **Up Atlantic Line**
SO645	Crofton Road Jn – Peckham Rye Jn	Y	N	N	N	N	N	N	N	
SO650	Balham Jn – Beckenham Junction	S *	N	N	N	N	N	N	N	S1 The following combinations are permitted, up to: 2438 (h) x 2438 (w) box on **FEA** wagons
SO650	Leigham Jn – Tulse Hill South Jn (Leigham Spurs)	Y *	N	N	N	N	N	N	N	
SO650	Tulse Hill South Jn – West Norwood Jn (West Norwood Spurs)	Y	N	N	N	N	N	N	N	
SO650	Bromley Jn – Norwood Junction (SO510)	Y	N	N	N	N	N	N	N	
SO650	Sydenham Jn – Crystal Palace Tunnel Jn (SO510)	Y	N	N	N	N	N	N	N	
SO660	Purley – Caterham	Y *	N	N	N	N	N	N	N	
SO660	Purley – Tattenham Corner	Y *	N	N	N	N	N	N	N	
SO680	South Bermondsey Jn – Horsham via Sutton and Epsom	Y *	N	N	N	N	N	N	N	
SO680	Herne Hill South Jn – Tulse Hill South Jn	Y	N	N	N	N	N	N	N	
SO700	Streatham South Jn – Sutton Wimbledon Line Jn via Wimbledon	Y	N	N	N	N	N	N	N	

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Table D5B – Locomotive Gauge Clearance table

Last Updated: 14/08/2021

To be read in conjunction with General Notes.

- All locomotives conform to locomotive gauge, apart from Class 37s (when fitted with roof horns).
- Locomotive gauge restrictions apply to all locomotives unless clearance is provided in the Route Clearance D4 Tables.
- Locomotives that are not listed in the Route Clearance D4 Tables are permitted to operate over routes that conform to locomotive gauge, subject to the restrictions detailed in the table below and the conditions stated in the locomotive's Summary of Compatibility document. Locomotives that are not listed in the Route Clearance D4 Tables require a valid Summary of Compatibility prior to operation over Network Rail infrastructure.
- Locomotives are PROHIBITED from using crossovers within platforms (code word LACER) unless their overall length (over buffers) is 18.288m or less.
- Gauge clearance for steam locomotives is considered under a separate process.

The notations (used in these tables) are explained as follows for locomotive gauge conformant vehicles:

Y Route conforms to locomotive gauge without restriction.

R Route conforms (or partly conforms) to locomotive gauge but restrictions apply. See “Notes” column for details.

N Route does not conform to locomotive gauge

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	8	Y	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	8	Y	
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	8	Y	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	8	Y	
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	8	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	8	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	8	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	8	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	8	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	8	R1	R1 Prohibited between the crossover from the Up Passenger Loop to the Up Chatham Main and the Connection to the Up Holborn line on the Up Slow connecting line

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	8	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	8	R1	R1 Prohibited Tulse Hill platform 2 (Down Loop line)
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	8	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	8	Y	
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	8	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	8	Y	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	8	Y	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	8	Y	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	8	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	8	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	8	R1	R1 Prohibited Swanley platform 3 (Up Chatham Slow line)
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	8	Y	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	8	Y	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	8	R1	R1 Prohibited between Longfield and Meopham on the Down Chatham Main line
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	8	Y	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	8	Y	
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	8	Y	
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	8	R1 R2 R3	R1 Prohibited Sittingbourne platform 1 (Up Chatham line) R2 Prohibited between Teynham and Faversham on the Up Chatham line R3 Prohibited Faversham platform 3 (Down Chatham line)
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	8	R1 R2 R3	R1 Prohibited between Faversham Jn and Whitstable on the Up Thanet line R2 Prohibited Herne Bay platform 1 (Up line) R3 Prohibited between Herne Bay and Birchington on Sea on the Down Thanet line
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	8	Y	
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	4	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	8	Y	
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	8	Y	
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	8	Y	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	8	Y	
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	8	Y	
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	8	Y	
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	8	Y	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	8	Y	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	8	Y	
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	8	Y	
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	8	Y	
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	8	Y	
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	8	Y	
SO130	CSM1	Chislehurst Jn – St. Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	8	Y	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	8	Y	
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	8	Y	
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	8	Y	
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	8	R1	R1 Prohibited through Sevenoaks Tunnel on the Up Main line
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	8	Y	
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	8	Y	
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	8	Y	
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	8	Y	
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	8	Y	
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	8	Y	
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	8	Y	
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	4	Y	
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	8	N	
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	8	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	8	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	8	R1	R1 Prohibited between Offord Jn and Kemsing on the Up Maidstone line
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	8	Y	
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	8	R1	R1 Prohibited on the Down Sheppey line
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	8	Y	
SO160	FDM	Faversham Jn(SO110) – Buckland Jn	52	13	76	32	8	R1	R1 Prohibited between Faversham and Canterbury East on the Down lline
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	8	N	
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	8	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	8	Y	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	8	R1	R1 Prohibited between Mountfield Sidings and Battle on the Up Hastings line
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	8	Y	
SO210	APL	Appedore (SO600) – Dungeness Ground Frame	64	50	73	65	6	R1	R1 Prohibited disused platform at the former Lydd Town station (71m 55ch) (Single line)
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	8	Y	
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	8	R1 R2 R3	R1 Prohibited between Chilham and Chartham on the Down Branch line R2 Prohibited between Chilham and Chartham on the Up Branch line R3 Prohibited between Sturry and Chislet Colliery Substation on the Down Main line
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	8	Y	
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	8	Y	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	8	Y	
SO240	BME2	Sandwich – Minster South	86	46	82	21	4	Y	
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	8	Y	
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	8	Y	
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	8	Y	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	8	Y	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	8	Y	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	8	Y	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	8	Y	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	8	Y	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	8	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	8	Y	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	8	Y	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	8	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	8	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	8	Y	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	8	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	8	Y	
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	8	Y	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	8	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	8	Y	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	8	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	8	R1	R1 Prohibited between Crofton Park and Catford on the Down Catford Loop line
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	8	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	8	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (former Farringdon Jn)	0	66	0	00	4	Y	
SO280	FTL	ELR change (former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	4	N	
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	8	Y	
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	8	Y	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	8	Y	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	8	Y	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	8	Y	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	8	Y	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	8	R1	R1 Prohibited on the Up Holborn line
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	6	N	
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	8	N	
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	8	R1 R2	R1 Prohibited between Charlton and Plumstead on the Down North Kent line R2 Prohibited between Charlton and Plumstead on the Up North Kent line
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	8	Y	
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	8	Y	
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	8	Y	
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	8	R1 R2	R1 Prohibited between Blackheath Jn and Angerstein Jn on the Down North Kent line R2 Prohibited between Blackheath Jn and Angerstein Jn on the Up North Kent line
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	8	R1 R2	R1 Prohibited between Falconwood and Welling on the Down Bexleyheath line R2 Prohibited between Bexleyheath and Barnhurst on the Up Bexleyheath line
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	8	Y	
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	8	Y	
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	8	Y	
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	8	Y	
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	8	Y	
SO310	HDR	Lee – Crayford Spur ‘B’ Jcn	7	66	16	11	8	Y	
SO310	CRA	Crayford Spur ‘B’ Jn – Crayford Spur ‘A’ Jn	16	11	16	43	8	Y	
SO310	HDR	Crayford Spur ‘B’ Jcn – Dartford Jn	16	11	16	75	8	Y	
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	8	R1	R1 Prohibited Dartford platform 1 (Up Passenger Loop)
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	8	Y	
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	8	Y	
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	8	R1 R2	R1 Prohibited between Halling and Snodland on the Down Main line R2 Prohibited between Maidstone Barracks and Maidstone West on the Up Main
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	8	N	
SO330	NTL	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	8	Y	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	8	Y	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	8	Y	
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	8	Y	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	8	Y	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	8	Y	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	8	Y	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	4	Y	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	8	Y	
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	8	R1	R1 Prohibited Victoria platform 19
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	8	Y	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	8	Y	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	8	Y	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	8	R1	R1 Prohibited Clapham platform 16 (Down West London line)
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	8	Y	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	8	Y	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	8	Y	
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	8	Y	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	8	Y	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	8	Y	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	8	Y	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	8	Y	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	8	Y	
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	8	R1	R1 Prohibited Redhill Down Post Office Siding
SO500	RED1/2	Redhill – Change of Mileage (Redhill/slow lines) Via Redhill	22	40	23	00	8	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / fast lines)	14	20	23	21	8	Y	
SO500	VTB3	Change of Mileage (Quarry / fast lines) – Three Bridges	21	15	29	21	8	R1	R1 Prohibited Earlswood disused platform 4 (Down Fast line)
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	8	Y	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	8	Y	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	8	Y	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	8	Y	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	8	R1	R1 Prohibited between Hassocks and Preston Park on the Down Main line
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	8	Y	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	8	Y	R2 Prohibited Brighton platforms 5 with crush deflated suspension R3 OPPOS between Preston Park and Brighton

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	8	y	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	8	Y	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	8	Y	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	8	Y	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	8	Y	
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	8	Y	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	8	Y	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	8	R1	R1 Prohibited Depot Arrival Road via the Carriage Washer
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	8	Y	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	8	R1 R2 R3	R1 Prohibited between Gloucester Road Jn and West Croydon on the Down Wallington line R2 Prohibited Sutton platform 3 (Up Wallington line) R3 Prohibited Sutton platform 4 (Down Wallington line)
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	8	N	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	8	Y	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	8	Y	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	8	R1	R1 Prohibited Horsham platform 4 (Down Platform Loop)
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	8	R1	R1 Prohibited Horsham platform 4 (Down Platform Loop)
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	8	Y	
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	8	Y	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	8	Y	R1 Prohibited Chichester West Sidings
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	8	Y	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	8	Y	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	8	R1	R1 Prohibited between Fratton and Blackfriars Jn on the Up and Down Fratton line
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	7	Y	
SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	8	Y	
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *Platforms 4 and 5 RA7 *Platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	7*	R1	R1 Prohibited on the Down line
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	8	Y	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	4	6	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	6	Y	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	4	R1	R1 Prohibited Eridge platform 1 (Uckfield Single line)
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	8	Y	
SO560	RSJ	Redhill – Reigate	22	40	24	27	8	Y	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	8	Y	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	8	Y	
SO590	KJE1/2	Lewes – Southerham Jn (Duplicated on SO620)	49	74	51	11	8	Y	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	8	Y	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	8	R1	R1 Prohibited Eastbourne platform 2 (Up Main line)
SO600	WJB	Willingdon Jn – Connection – St Leonards LMD	20	36	32	21	8	R1	R1 Prohibited between Bexhill and Connection – St Leonards LMD on the Down Bexhill line
SO600	WJB	Connection – St Leonards LMD – Bo Peep Jn	32	21	32	76	8	R1	R1 Prohibited on the Down Bexhill line
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	8	R1	R1 Prohibited between St Leonards Warrior Square and Hastings on the Up Hastings line

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	4	R1	R1 Prohibited on the Down line
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	7	R1 R2 R3	R1 Prohibited between Ore and connection to the Single line on the Down Ore line R2 Prohibited between Ore Single line connection and Doleham on the Single line R3 Prohibited between Ham Street and Jn with Hasting line on the Up line
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	8	R11	R1 Prohibited between Montpelier Jn and London Road on the Up line
SO620	KJE1/2	Lewes – Southerham Jn (Duplicated on SO590)	49	74	51	11	8	Y	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	7	Y	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	7	Y	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	7	Y	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	8	Y	
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	8	Y	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	8	Y	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	8	Y	
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	8	Y	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	8	Y	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	8	Y	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	8	R1	R1 Prohibited Bognor Regis platform 2 (Up Main line)
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	8	Y	
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	8	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	8	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	8	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	8	Y	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	8	R1 R2	R1 Prohibited between Streatham Hill station and Leigham Jn on the Down Crystal Palace line R2 Prohibited between Streatham Hill station and Leigham Jn on the Up Crystal Palace line
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	8	R1 R2	R1 Prohibited West Norwood platform 1 (Up Crystal Palace line) R2 Prohibited between Gypsy Hill station and Crystal Palace Tunnel Jn on the Down line
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	8	Y	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	8	Y	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	8	Y	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	8	Y	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	8	Y	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	8	Y	
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	8	Y	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	8	Y	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	8	Y	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	8	Y	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	8	Y	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	8	Y	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	8	Y	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	8	R1	R1 Prohibited between Streatham and Streatham Jn on the Up Portsmouth line
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	8	Y	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	8	Y	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	8	Y	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	8	Y	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	8	Y	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	8	Y	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	8	Y	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SO680	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	8	R1	R1 Prohibited Dorking platform 3 (Down Loop)
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	8	Y	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	8	Y	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	8	Y	

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ROUTE CLEARANCE

Last Updated: 07/06/2014

WESSEX

General Notes

The following tables apply only to the working of trains over running lines and sidings listed in the Table As of the Sectional Appendix. All speed restrictions and local instructions shall be adhered to.

The notations (used in these tables) are explained as follows:

Y	Permitted to operate without restriction.
R	Permitted to operate but restrictions apply. See “Notes” column for details.
N	No published clearance*
E	ECS/transit - self powered
EH	ECS/transit - dead hauled
H	Hauled
B	When the loco’s RA is higher than that of the route then permission is ONLY given (B) for trains working to/from a possession, or to assist a failed train in an emergency. Prior permission must be obtained from Network Rail Control. Where “SPEED” is shown in the “Notes” column, please refer to Table D5A Route Clearance of Freight Vehicles for applicable speeds.
T	Permitted to operate with the Tilt system

* Where clearances are not published in the Sectional Appendix Route Clearance Tables, trains are only allowed to operate when specifically permitted and the authority has been formally published in an operating notice and / or Network Rail Acceptance Panel documentation.

Conditions of Operation

In addition to any restrictions published in the Route Clearance Tables, it shall be noted that there are other documents (Network Rail Acceptance Panel Summary of Rolling Stock/Infrastructure Compatibility, Discrepancy Registers, Local and General Instructions) that apply to operation on Network Rail managed infrastructure. The Railway Undertaking shall familiarise itself with these.

Tables

D1	Diesel Multiple Units
D2	Electric Multiple Units
D3	Coaching Stock
D4	Locomotives Electric and Diesel
D5	Freight containers/swap bodies

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Table D1A – Route clearance of diesel multiple units

Last Updated: 23/12/2023

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	Y	N	N	N	N	N	N	
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	Y	Y	N	N	R1	R1	N	R1 Prohibited Waterloo platform 19
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	Y	Y	N	N	Y	Y	N	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	Y	Y	N	N	Y	Y	N	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	Y	Y	N	N	R1 R2	R1 R2	N	R1 See Local Instructions
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	Y	Y	N	N	Y	Y	N	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	Y	Y	N	N	Y	Y	N	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	Y	N	N	N	N	N	N	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	Y	Y	N	N	Y	Y	N	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	Y	Y	N	N	Y	Y	N	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	Y	Y	N	N	Y	Y	N	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	Y	N	N	N	Y	Y	N	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	Y	Y	N	N	Y	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	Y	Y	N	N	Y	Y	N	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	Y	N	N	N	N	N	N	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	Y	Y	N	N	N	N	N	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	Y	R1	N	N	Y	Y	N	R1 Prohibited Clapham platforms 2, 3, 4, 5 and 6
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	Y	Y	N	N	Y	Y	N	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	Y	Y	N	N	Y	Y	N	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	R1	R1	N	N	R1	R1	N	R1 Prohibited Wimbledon platforms 1, 2, and 3
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	Y	Y	N	N	Y	Y	N	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	Y	Y	N	N	Y	Y	N	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	Y	Y	N	N	Y	Y	N	
SW105	BML1	Woking – Basingstoke	24	27	47	61	Y	Y	N	N	Y	Y	R1 R2 R3 R4 R5	R1 20mph over bridge 85 (24m 40ch) (Up Fast) (between Woking and Brookwood) R2 40mph over bridge 107b (34m 10ch) (Up Slow) (between Fleet and Farnborough) R3 40mph Winchfield Up Slow platform R4 30mph Brookwood Up Slow platform R5 50mph Winchfield Down Slow platform
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	Y	Y	N	Y	Y	Y	N	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	Y	Y	N	Y	Y	Y	N	
SW105	BML1	St Denys – Northam Jn	77	10	78	15	Y	Y	N	Y	Y	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	Y	R1 R2	R3 R4	Y	Y	Y	N	R1 Prohibited with deflated suspension R2 Prohibited Southampton Central Down Bay Siding and Bay Siding East R3 20mph Southampton Central platform 1 R4 30mph Southampton Central platform 3
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	Y	R1 R2	N	Y	R3 R4	R3 R4	N	R1 Prohibited between Redbridge and Worgret Jn on the Down line R2 Prohibited between Redbridge and Worgret Jn on the Up line when laden, additionally 10mph through station platforms R3 30mph Totton Up platform 20mph Sway Down platform
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	N	N	N	N	Y	Y	N	
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	Y	E R1 R2 R3	N	Y	Y	Y	N	R1 Prohibited on the Down line R2 10mph through station platforms R3 Prohibited with deflated suspension
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	Y	Y	Y	Y	Y	Y	N	
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	Y	N	N	N	R1 R2	R1 R2	R3 R4	R1 15mph Worplesdon Up platform 1 R2 30mph Worplesdon Down platform 2 R3 10mph through Worplesdon R4 Prohibited Guildford platform 1
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	Y	N	N	N	Y	Y	Y	
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	Y	N	N	N	Y	Y	N	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	Y	N	N	N	Y	Y	N	
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	Y	N	N	N	Y	Y	N	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	Y	Y	N	Y	Y	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	Y	Y	N	Y	Y	Y	N	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	Y	Y	N	Y	Y	Y	N	
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	Y	Y	N	Y	Y	Y	N	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	Y	Y	N	Y	Y	Y	N	
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	Y	Y	N	Y	Y	Y	N	
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	Y	N	N	Y	Y	Y	N	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	N	N	N	N	N	N	N	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	N	N	N	N	N	N	N	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	Y	N	N	Y	Y	Y	N	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	Y	N	N	Y	Y	Y	N	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	Y	N	N	Y	Y	Y	N	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	Y	Y	Y	Y	Y	Y	N	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	Y	Y	R1 R2	Y	Y	Y	N	R1 15mph Salisbury platform 3 R2 20mph Salisbury platform 4
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	Y	Y	Y	Y	Y	Y	N	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	Y	Y	Y	Y	Y	Y	N	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	Y	Y	Y	Y	Y	Y	N	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	Y	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	Y	N	N	N	N	N	N	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	Y	N	N	N	N	N	N	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	Y	N	N	N	N	N	N	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	Y	Y	N	N	Y	Y	E	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	Y	Y	Y	Y	Y	Y	N	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	Y	Y	N	Y	Y	Y	N	
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	Y	Y	N	Y	Y	Y	N	
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	Y	Y	N	Y	Y	Y	N	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	Y	Y	N	Y	Y	Y	N	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	Y	Y	N	Y	Y	Y	N	
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	Y	Y	N	Y	Y	Y	N	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	Y	Y	N	Y	Y	Y	N	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	Y	Y	N	Y	Y	Y	N	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	Y	N	N	N	N	N	N	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	Y	Y	Y	Y	Y	Y	N	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	Y	Y	Y	Y	Y	Y	N	
SW155	TTF	Totton – Marchwood	82	43	86	10	Y	N	N	N	N	N	N	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	Y	N	N	N	N	N	N	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	Y	N	N	N	R1	R1	N	R1 Must stop 30m (32 yards) short of Stop light at Lymington Pier
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	Y	N	N	N	N	N	N	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	Y	Y	Y	Y	Y	Y	N	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	Y	Y	Y	Y	Y	Y	N	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	Y	Y	Y	Y	Y	Y	N	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	Y	Y	Y	Y	Y	Y	N	
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	Y	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	Y	N	N	N	N	N	N	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	Y	N	N	N	N	N	N	
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	Y	N	N	N	N	N	N	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	Y	N	N	N	N	N	N	
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	Y	N	N	N	N	N	N	
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	Y	N	N	N	N	N	N	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	Y	N	N	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	Y	N	N	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	Y	N	N	N	N	N	N	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	Y	N	N	N	N	N	N	
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	Y	N	N	N	N	N	N	
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	Y	N	N	N	N	N	N	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	Y	N	N	N	Y	Y	Y	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	Y	N	N	N	R1 R2 R3	R1 R2 R3	Y	R1 40mph North Sheen (Up direction) R2 40mph Mortlake (Up direction) R3 30mph Richmond (Up direction)
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	Y	N	N	N	R1 R2 R3 R4 R5 R6 R7	R1 R2 R3 R4 R5 R6 R7	Y	R1 50mph Egham (Up direction) R2 40mph Ashford (Up direction) R3 30mph St Margarets (Up direction) R4 20mph Twickenham (Down direction) R5 50mph Felltham (Down direction) R6 50 mph Ashford (Down direction) R7 20mph Staines (Down direction)

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	Y	N	N	N	R1 R2 R3 R4	R1 R2 R3 R4	Y	R1 50mph between Virgina Water and Wokingham R2 20mph Ascot station Down line R3 Prohibited through Ascot on the Up line R4 20mph Bracknell station Down line
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	Y	N	N	N	Y	Y	R1	R1 Wokingham permitted on the Up line (towards Bracknell) clear of position light signal WM15 for movements back over crossover
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	Y	N	N	N	Y	Y	Y	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	Y	N	N	N	Y	Y	Y	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	N	Y	N	N	Y	Y	Y	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	Y	N	N	N	Y	Y	Y	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	Y	Y	N	N	Y	Y	N	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	Y	Y	N	N	Y	Y	N	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	Y	Y	N	N	Y	Y	N	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	Y	N	N	N	Y	Y	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	Y	N	N	N	R1	R1	N	R1 10mph Wimbledon Park Down platform
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	Y	N	N	N	Y	Y	N	
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	Y	N	N	N	N	N	N	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	Y	N	N	N	Y	Y	N	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	Y	N	N	N	N	N	N	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	Y	N	N	N	R1	R1	N	R1 30mph Isleworth Up platform

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	121	150	153	156	158	159	165	Notes
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	Y	N	N	N	N	N	N	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	Y	N	N	N	Y	Y	N	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	Y	N	N	N	N	N	N	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	Y	N	N	N	N	N	N	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	Y	N	N	N	N	N	N	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	Y	N	N	N	N	N	N	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	Y	N	N	N	Y	Y	N	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	Y	N	N	N	Y	Y	N	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	Y	N	N	N	Y	Y	N	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	Y	N	N	N	N	N	N	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	Y	N	N	N	Y	Y	R1	R1 Prohibited Guildford platform 1
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	Y	N	N	N	Y	Y	Y	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	Y	N	N	N	N	N	N	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	Y	N	N	N	Y	Y	Y	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	Y	N	N	N	N	N	Y	

Table D1B – Route clearance of diesel multiple units

Last Updated: 23/12/2023

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	166	170	171	172	180	220	221	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	N	N	N	N	N	N	N	
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	N	Y	N	N	N	N	N	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	N	Y	N	N	N	N	N	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	N	Y	N	N	N	N	N	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	N	R1	N	N	N	N	N	R1 Prohibited Waterloo platforms 1, 2, 3 and 4
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	N	Y	N	N	N	N	N	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	N	Y	N	N	N	N	N	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	N	N	N	N	N	N	N	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	N	Y	N	N	N	N	N	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	N	Y	N	N	N	N	N	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	N	Y	N	N	N	N	N	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	N	N	N	N	N	N	N	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	N	Y	N	N	N	N	N	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	N	Y	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	166	170	171	172	180	220	221	Notes
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	N	N	Y	N	N	N	N	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	N	N	N	Y	N	N	N	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	N	Y	N	R1	N	N	N	R1 Prohibited Clapham platforms 2, 3, 4, 5 and 6
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	N	R1	N	N	N	N	N	R1 40mph Clapham platform 10
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	N	Y	N	N	N	N	N	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	N	N	N	N	N	N	N	
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	N	Y	N	N	N	N	N	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	N	Y	N	N	N	N	N	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	N	Y	N	N	N	N	N	
SW105	BML1	Woking – Basingstoke	24	27	47	61	R1 R2 R3 R4 R5	Y	N	N	N	N	N	R1 20mph over bridge 85 (24m 40ch) (Up Fast) (between Woking and Brookwood) R2 40mph over bridge 107b (34m 10ch) (Up Slow) (between Fleet and Farnborough) R3 40mph Winchfield Up Slow platform R4 30mph Brookwood Up Slow platform R5 50mph Winchfield Down Slow platform
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	N	Y	N	N	N	Y	Y	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	N	Y	N	N	N	Y	Y	
SW105	BML1	St Denys – Northam Jn	77	10	78	15	N	Y	Y	N	N	Y	Y	
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	Y	R1	R2	N	N	Y	Y	R1 Prohibited with footsteps fitted and deflated suspension R2 Prohibited between Southampton Central and Redbridge Jn
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	N	R1 R2	N	N	N	Y	Y	R1 Prohibited between Totton and Worgret Jn when laden Prohibited with footsteps fitted and deflated suspension
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	166	170	171	172	180	220	221	Notes
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	N	E R1	N	N	N	Y	Y	R1 Prohibited with footsteps fitted and deflated suspension
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	N	E R1	N	N	N	Y	Y	R1 Prohibited with footsteps fitted and deflated suspension
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	R1 R2	N	N	N	N	Y	Y	R1 10mph through Worplesdon R2 Prohibited Guildford platform 1
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	Y	N	N	N	N	Y	Y	
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	N	N	N	N	N	Y	Y	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	N	N	N	N	N	Y	Y	
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	Y	Y	Y	N	N	N	N	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	Y	Y	Y	N	N	Y	Y	
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	Y	Y	Y	N	N	Y	Y	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	Y	Y	Y	N	N	Y	Y	
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	N	Y	Y	N	N	Y	Y	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	R1 R2	Y	Y	N	N	Y	Y	R1 Prohibited Portsmouth & Southsea platform 1 Up Main Fast line with air bags deflated / failed secondary suspension R2 Prohibited Portsmouth Harbour platforms 3 & 5
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	R1 R2	Y	Y	N	N	Y	Y	R1 Prohibited Portsmouth & Southsea platform 1 Up Main Fast line with air bags deflated / failed secondary suspension R2 Prohibited Portsmouth Harbour platforms 3 & 5
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	N	Y	N	N	N	Y	Y	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	N	N	N	N	N	N	N	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	166	170	171	172	180	220	221	Notes
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	N	Y	N	N	N	Y	Y	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	N	Y	N	N	N	Y	Y	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	N	Y	N	N	N	Y	Y	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	N	Y	N	N	N	Y	Y	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	N	Y	N	N	N	N	N	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	N	Y	N	N	N	N	N	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	N	Y	N	N	N	N	N	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	N	Y	N	N	Y	Y	Y	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	N	N	N	N	N	N	N	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	N	N	N	N	N	N	N	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	N	N	N	N	N	N	N	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	N	N	N	N	N	N	N	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	Y	Y	N	N	Y	Y	Y	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	N	Y	N	N	N	Y	Y	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	N	Y	N	N	N	Y	Y	
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	N	Y	Y	N	N	Y	Y	
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	N	Y	Y	N	N	Y	Y	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	N	Y	Y	N	N	Y	Y	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	N	Y	Y	N	N	Y	Y	
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	N	Y	Y	N	N	Y	Y	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	N	Y	Y	N	N	Y	Y	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	Y	Y	Y	N	N	Y	Y	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	N	N	N	N	N	N	N	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	N	Y	N	N	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	166	170	171	172	180	220	221	Notes
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	N	Y	N	N	N	R1	R1	R1 OPPOS applies between Laverstock South Jn and Salisbury Tunnel Jn
SW155	TTF	Totton – Marchwood	82	43	86	10	N	N	N	N	N	N	N	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	N	N	N	N	N	N	N	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	N	N	N	N	N	N	N	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	N	N	N	N	N	N	N	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	N	Y	N	N	N	N	N	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	N	Y	N	N	Y	Y	Y	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	N	Y	N	N	Y	Y	Y	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	N	N	N	N	N	N	N	
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	N	N	N	N	N	N	N	
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	N	N	Y	N	N	N	N	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	N	N	Y	N	N	N	N	
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	N	N	Y	N	N	N	N	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	N	N	R1 R2	N	N	N	N	R1 5mph Holmwood Down platform R2 15mph Warnham Down platform
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	N	N	N	N	N	N	N	
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	N	N	N	N	N	N	N	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	N	N	N	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	N	N	N	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	N	N	N	N	N	N	N	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	N	N	N	N	N	N	N	
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	166	170	171	172	180	220	221	Notes
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	N	N	N	N	N	N	N	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	Y	Y	N	N	Y	N	N	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	Y	Y	N	N	Y	N	N	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	Y	Y	N	N	Y	N	N	
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	Y	N	N	N	R1	N	N	R1 15mph through Bracknell
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	Y	N	N	N	Y	Y	Y	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	Y	N	N	N	Y	Y	Y	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	Y	N	N	N	Y	Y	Y	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	Y	N	N	N	Y	Y	Y	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	Y	N	N	N	Y	Y	Y	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	N	N	Y	N	N	Y	Y	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	N	N	Y	Y	N	Y	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	N	N	Y	Y	N	Y	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	N	N	N	N	N	N	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	N	N	N	N	N	N	N	
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	N	N	N	N	Y	N	N	
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	N	N	N	N	N	N	N	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	N	N	N	N	Y	N	N	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	N	N	N	N	N	N	N	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	N	N	N	N	Y	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	166	170	171	172	180	220	221	Notes
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	N	N	N	N	N	N	N	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	N	N	N	N	Y	N	N	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	N	N	N	N	N	N	N	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	N	N	N	N	N	N	N	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	N	N	N	N	N	N	N	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	N	N	N	N	N	N	N	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	N	Y	N	N	N	N	N	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	N	Y	N	N	N	N	N	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	N	N	N	N	N	N	N	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	N	N	N	N	N	N	N	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	R1	N	N	N	N	Y	Y	R1 Prohibited Guildford platform 1
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	Y	N	N	N	N	Y	Y	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	N	N	N	N	N	N	N	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	Y	N	N	N	N	Y	Y	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	Y	N	N	N	N	Y	Y	

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Table D2A – Route clearance of electric multiple units

Last Updated: 30/03/2024

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	N	N	N	N	N	N	
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	Y	H	N	N	N	N	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	Y	H	N	N	N	N	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	Y	H	N	N	N	N	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	Y	H	N	N	N	N	
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	Y	H	N	N	N	N	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	Y	H	N	N	N	N	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	N	N	N	N	N	N	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	Y	H	N	N	N	N	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	Y	H	N	N	N	N	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	Y	H	N	N	N	N	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	N	N	N	N	N	N	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	Y	H	N	N	N	N	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	Y	H	N	N	N	N	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	Y	H	Y	Y	N	Y	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	Y	H	Y	Y	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387	Notes
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	Y	H	R2	Y	N	R3	R1 Prohibited Clapham platforms 2, 3, 4, 5 and 6 R2 Classes 377/1-377/5 prohibited Clapham platforms 3, 4, 5 and 6 R3 Prohibited: • Clapham platform 3 (Up Windsor Slow) • Clapham platform 4 (Up Windsor Fast) • Clapham platform 5 (Down Windsor Fast) • Clapham platform 6 (Down Windsor Slow)
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	Y	H	N	N	N	N	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	Y	H	N	N	N	N	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	R1	N	N	N	N	N	R1 Prohibited Wimbledon platforms 1, 2 and 3
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	Y	H	N	N	N	N	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	Y	H	N	N	N	N	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	Y	H	N	N	N	N	
SW105	BML1	Woking – Basingstoke	24	27	47	61	R1	H R1	N	N	N	N	R1 Prohibited Basingstoke platform 5
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	Y	H	R1	N	N	R1	R1 Prohibited between Basingstoke and Eastleigh East Jn
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	N	N	Y	N	N	Y	R1 3-car operation
SW105	BML1	St Denys – Northam Jn	77	10	78	15	N	N	Y	N	N	Y	R1 3-car operation
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	N	N	R1	N	N	R1	R1 Prohibited between Southampton Central and Redbridge Jn
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	N	N	N	N	N	N	
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	N	N	N	N	N	N	
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	N	N	N	N	N	N	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387		
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	Y	H	R1 R2 R3 R4 R5 R6	N	N	R7	R1 R2 R3 R4 R5 R6 R7	Prohibited between Woking Junction and 29m 43ch (Guildford) Class 377/1-377/5 permitted between Guilford platforms 1, 2 and 3 and SW200 (towards Effingham Jn) Prohibited Guildford Down Main platform 4 Prohibited Guildford Up Main platform 5 Prohibited Guildford Up Ash platforms 6 and 7 Prohibited Guildford Down Ash platform 8 Prohibited Guildford platforms 4-8
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	Y	H	R1	N	N	R2	R1 R2	Route prohibited to Class 377/1 – 377/5 Prohibited Guildford platforms 4-8
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	Y	H	R1	N	N	Y	R1	Route prohibited to Class 377/1 – 377/5
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	N	N	R1	N	N	Y	R1	Route prohibited to Class 377/1 – 377/5
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	N	N	Y	N	N	Y		
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	N	N	Y	N	N	R1	R1	Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	N	N	Y	N	N	R1	R1	Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	N	N	Y	N	N	R1	R1	Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	N	N	R1	N	N	N	R1	Route prohibited to Class 377/6 – 377/7
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	N	N	R1	N	N	R2	R1 R2	Classes 377/6 – 377/7 prohibited Portsmouth and Southsea Low Level platforms Operation only permitted subject to prior agreement of the Wessex E&P RAM

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387	Notes
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	N	N	N	N	N	N	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	N	N	N	N	N	N	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	N	N	N	N	N	N	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	N	N	N	N	N	N	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	N	N	N	N	N	N	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	N	N	N	N	N	N	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	N	N	N	N	N	N	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	N	N	N	N	N	N	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	N	N	N	N	N	N	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	N	N	N	N	N	N	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	N	N	N	N	N	N	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	N	N	N	N	N	N	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	N	N	N	N	N	N	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	N	N	N	N	N	N	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	N	N	N	N	N	N	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	N	N	N	N	N	N	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	N	N	N	N	N	N	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	Y	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	Y	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387	Notes
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	Y	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	Y	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	Y	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	Y	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	N	N	N	N	N	N	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	N	N	N	N	N	N	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	N	N	N	N	N	N	
SW155	TTF	Totton – Marchwood	82	43	86	10	N	N	N	N	N	N	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	N	N	N	N	N	N	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	N	N	N	N	N	N	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	N	N	N	N	N	N	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	N	N	N	N	N	N	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	N	N	N	N	N	N	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	N	N	N	N	N	N	
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	Y	H	N	N	N	N	
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	Y	H	Y	N	N	Y	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	Y	H	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387	Notes
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	Y	H	Y	N	N	Y	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	Y	H	Y	N	N	Y	
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	R1	H R1	N	N	N	N	R1 10mph Chessington South Up sidings (former Platform line)
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	Y	H	N	N	N	N	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	Y	H	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	Y	H	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	Y	H	N	N	N	N	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	Y	H	N	N	N	N	
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	Y	H	R1 R2 R3 R4	N	N	Y	R1 Prohibited Guildford Down Main platform 4 R2 Prohibited Guildford Up Main platform 5 R3 Prohibited Guildford Up Ash platforms 6 and 7 R4 Prohibited Guildford Down Ash platform 8
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	Y	H	Y	N	N	Y	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	Y	H	N	Y	N	N	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	Y	H	N	Y	N	N	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	R1	H R1	N	N	N	N	R1 20mph Staines Down platform
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	N	N	N	N	N	N	
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	N	N	N	N	N	N	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	N	N	N	N	N	N	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	N	N	N	N	N	N	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	N	N	N	N	N	N	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387	Notes
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	Y	Y	Y	Y	N	Y	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	Y	Y	Y	Y	EH	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	Y	Y	Y	Y	EH	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	Y	H	N	N	N	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	R1	H R1	N	N	N	N	R1 10mph Wimbledon Park Down platform
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	Y	H	N	N	N	N	
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	N	N	N	N	N	N	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	Y	H	N	N	N	N	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	N	N	N	N	N	N	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	Y	H	N	N	N	N	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	Y	H	N	N	N	N	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	Y	H	N	N	N	N	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	Y	H	N	N	N	N	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	Y	H	N	N	N	N	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	Y	H	N	N	N	N	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	Y	H	N	N	N	N	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	Y	H	N	N	N	N	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	Y	H	N	N	N	N	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	Y	H	N	N	N	N	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	N	N	N	N	N	N	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	N	N	N	N	N	N	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	N	N	N	N	N	N	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	N	N	N	N	N	N	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	N	N	N	N	N	N	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	N	N	N	N	N	N	

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Table D2B – Route clearance of electric multiple units

Last Updated: 09/03/2024

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	444	450	458	508	700	707	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	Y	Y	Y	N	N	E	R1 Prohibited Waterloo platforms 21 and 23
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	Y	Y	Y	Y	N	N	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	Y	Y	Y	Y	N	E	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	Y	Y	Y	Y	N	E	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	R1 R2	Y	Y	Y	N	N	R1 Prohibited Waterloo platforms 1-4 R2 Access to Waterloo platforms 5, 6 and 7 via Up Main Fast line only – unless under special instruction from the Signaller
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	Y	Y	Y	Y	N	N	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	Y	Y	Y	Y	N	N	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	N	N	N	N	N	E	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	Y	Y	Y	Y	N	N	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	Y	Y	Y	Y	N	N	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	Y	Y	Y	Y	N	N	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	N	N	N	Y	N	N	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	Y	Y	Y	Y	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	444	450	458	508	700	707	Notes
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	Y	Y	Y	Y	N	N	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	Y	Y	N	Y	N	E	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	Y	Y	EH	Y	N	E	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	R1	Y	Y	Y	N	N	R1 Prohibited Clapham platform 1
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	Y	Y	Y	Y	N	N	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	Y	Y	Y	Y	N	N	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	Y	Y	Y	R1	N	N	R1 Prohibited Wimbledon platforms 1, 2 and 3
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	Y	Y	Y	Y	N	N	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	Y	Y	Y	Y	N	N	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	Y	Y	Y	Y	N	N	
SW105	BML1	Woking – Basingstoke	24	27	47	61	Y	Y	R2	R1	N	N	R1 Prohibited Basingstoke platform 5 R2 30mph Brookwood platform 2
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	Y	Y	Y	Y	N	N	R1 Prohibited between Eastleigh Depot and Eastleigh West Jn when laden R2 Prohibited between Eastleigh Depot and Eastleigh West Jn with deflated suspension
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	Y	Y	Y	N	N	N	R1 Prohibited with deflated suspension
SW105	BML1	St Denys – Northam Jn	77	10	78	15	Y	Y	Y	N	N	N	R1 Prohibited with deflated suspension
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	Y	Y	N	R2	N	N	R1 Prohibited with deflated suspension R2 30mph Southampton platform 2
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	Y	Y	N	Y	N	N	R3 Prohibited with deflated suspension R4 Prohibited between Bournemouth and Worgret Jn
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	126	61	N	N	N	N	N	N	R1 Prohibited Furzebrook Sidings
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	Y	Y	Y	N	N	N	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	Y	Y	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	444	450	458	508	700	707	Notes
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	Y	Y	R1	Y	N	N	R1 15mph Guildford platform 4
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	Y	Y	R1	Y	N	N	R1 15mph Guildford platform 4
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	Y	Y	Y	Y	N	N	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	R1	Y	R2	N	N	N	R1 40mph through Buriton Tunnel (57m 46ch to 57m 68ch) R2 Class 458/5 only
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	Y	Y	N	N	N	N	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	Y	Y	R1	N	N	N	R1 Class 458/5 only
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	Y	Y	R1	N	N	N	R1 Class 458/5 only
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	Y	Y	R1	N	N	N	R1 Class 458/5 only
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	Y	Y	R1	N	N	N	R1 Class 458/5 only
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	Y	Y	R1	N	N	N	R1 Class 458/5 only
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	Y	Y	R1	N	N	N	R1 Class 458/5 only
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	N	N	N	N	N	N	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	N	N	N	N	N	N	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	N	N	N	N	N	N	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	N	N	N	N	N	N	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	N	N	N	N	N	N	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	444	450	458	508	700	707	Notes	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	N	N	N	N	N	N	R1	Prohibited with shoegear fitted between Salisbury and Fisherton Short Mile Change of Mileage
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	N	N	N	N	N	N	R1	Prohibited with shoegear fitted
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	N	N	N	N	N	N		
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	N	N	N	N	N	N		
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	N	N	N	N	N	N		
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	Y	Y	Y	N	N	N		
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	Y	Y	Y	N	N	N	R1	30mph Aldershot platform 2
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	Y	Y	Y	N	N	N	R1	30mph Farnham platform 1
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	Y	Y	Y	N	N	N		
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	N	N	N	N	N	N	R1 R2	Prohibited Basingstoke platform 5 Prohibited with shoegear fitted
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	N	N	N	N	N	N		
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	Y	Y	R1	Y	N	N	R1	Class 458/5 only
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	N	N	N	N	N	N		
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	N	N	N	N	N	N		
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	N	N	N	N	N	N	R1	OPPOS applies between Laverstock South Jn and Salisbury Tunnel Jn
SW155	TTF	Totton – Marchwood	82	43	86	10	N	N	N	N	N	N		
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	N	N	N	N	N	N		

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	444	450	458	508	700	707	Notes
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	N	R1	R2	N	N	N	R1 Prohibited between Lymington Town and Lymington Pier if the vehicle stop board is removed (located 146.5m from the top ramp at Lymington Pier) R2 Class 458/5 only
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	N	N	N	N	N	N	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	N	N	N	N	N	N	R1 Prohibited with footsteps fitted
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	N	N	N	N	N	N	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	N	N	N	N	N	N	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	N	N	N	N	N	N	
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	Y	Y	R1	Y	N	N	R1 Class 458/5 only
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	Y	Y	N	Y	Y	N	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	Y	Y	Y	Y	Y	N	
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	N	Y	Y	Y	Y	N	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	N	Y	R1 R2	Y	Y	N	R1 Class 458/5 permitted between Route Boundary Sussex (Leatherhead and Dorking R2 Prohibited Dorking Loop platform 3
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	N	Y	R2	R1	N	N	R1 10mph Chessington South Up sidings (former platform line) R2 Class 458/5 only
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	N	Y	R1	Y	N	N	R1 Prohibited Kingston Bay platform 1
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	N	Y	Y	Y	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	N	Y	R1	Y	N	N	R1 Class 458/5 only
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	N	Y	R1	Y	N	N	R1 Class 458/5 only
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	Y	Y	Y	Y	N	N	
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	Y	Y	Y	Y	Y	N	
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	Y	Y	R1	Y	Y	N	R1 Class 458/5 only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	444	450	458	508	700	707	Notes
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	Y	Y	Y	Y	N	N	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	Y	Y	Y	Y	N	N	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	Y	Y	Y	R1	N	N	R1 20mph Staines Down platform
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	N	Y	Y	N	N	N	R1 10mph Ascot Down platform
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	N	Y	Y	N	N	N	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	N	N	N	N	N	N	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	N	N	Y	N	N	N	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	N	N	N	N	N	N	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	N	Y	Y	N	N	N	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	Y	N	N	N	E	E	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	Y	Y	EH	Y	E	N	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	Y	Y	EH	Y	E	N	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	Y	R1 R2	R2 R3	R1	N	N	R1 30mph between East Putney and Network Rail Boundary (TfL – District Line) R2 Prohibited with the power controller beyond Notch 2 R3 30mph maximum
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	Y	R2 R3	R2 R3	R1	N	N	R1 10mph Wimbledon Park Down platform line R2 Prohibited with the power controller beyond Notch 2 R3 30mph maximum
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	Y	Y	Y	Y	N	N	
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	444	450	458	508	700	707	Notes
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	Y	Y	Y	Y	N	N	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	N	N	N	N	N	N	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	Y	Y	Y	Y	N	N	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	Y	Y	Y	Y	N	N	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	Y	Y	Y	Y	N	N	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	N	Y	Y	Y	N	N	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	N	Y	Y	Y	N	N	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	N	Y	Y	Y	N	N	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	N	Y	Y	Y	N	N	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	Y	Y	Y	Y	N	N	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	Y	Y	Y	Y	N	N	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	Y	Y	Y	Y	N	N	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	N	Y	Y	N	N	N	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	Y	Y	Y	N	N	N	R1 15mph Guildford platforms 6 & 7
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	Y	Y	Y	N	N	N	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	Y	Y	Y	N	N	N	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	N	N	N	N	N	N	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	N	N	N	N	N	N	

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Table D3 – Route clearance of coaching stock

Last Updated: 23/12/2023

To be read in conjunction with General Notes.

Network Rail documentation may refer to either Mark 1-3 stock or C1-3 gauge as detailed below:

C1 = standard passenger coaching stock gauge for Mark 1 and Mark 2 coaches with 9'0" wide bodywork and 64'6" or (57') long underframes.

C3 = standard passenger coaching stock gauge for Mark 3 coaches which are 23 metres (75') long overall.

Mk3 (MOD) = Mk 3 coaches (Modified) and refers to Mk 3 coaches which have been fitted with powered bodyside doors

Mk3 DVT (MOD) = Mk3 DVT (Modified) and refers to Mk3 DVTs that have had centre pivot lateral bump stops modified to ESG-S-MO15, reducing lateral body movement.

Mk4 DVTs can operate over all routes cleared for Mark 4 coaching stock. Any restrictions applied to Mk4 coaching stock also apply to Mk 4 DVTs.

All coaching stock operating over routes detailed in this table are prohibited from operating unless fitted with short swing links

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 MOD	MK3 DVT	MK3 DVT MOD	MK4	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	N	N	N	N	N	N	N	
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	Y	Y	Y	N	N	N	N	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	Y	Y	Y	N	N	N	N	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	Y	Y	Y	N	N	N	N	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	Y	Y	Y	N	N	N	N	
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	Y	Y	Y	N	N	N	N	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	Y	Y	Y	N	N	N	N	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	Y	Y	Y	N	N	N	N	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 MOD	MK3 DVT	MK3 DVT MOD	MK4	Notes
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	Y	Y	Y	N	N	N	N	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	Y	Y	Y	N	N	N	N	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	Y	Y	Y	N	N	N	N	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	Y	Y	Y	N	N	N	N	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	Y	Y	Y	N	N	N	N	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	Y	Y	Y	N	N	N	N	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	Y	Y	Y	N	N	N	N	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	Y	Y	Y	N	N	N	N	
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	Y	Y	Y	N	N	N	N	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	Y	Y	Y	N	N	N	N	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	Y	Y	R1	N	N	N	N	R1 Prohibited Wimbledon platforms 1, 2, 3 and 4
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	Y	Y	Y	N	N	N	N	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	Y	Y	Y	N	N	N	N	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	Y	Y	Y	N	N	N	N	
SW105	BML1	Woking – Basingstoke	24	27	47	61	Y	Y	Y	N	N	N	N	
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	Y	Y	Y	N	N	N	N	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	Y	Y	R1	N	N	N	N	R1 20mph Swaythling Down Platform line
SW105	BML1	St Denys – Northam Jn	77	10	78	15	Y	Y	Y	N	N	N	N	
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	Y	Y	Y	N	N	N	N	
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	Y	Y	Y	N	N	N	N	
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 MOD	MK3 DVT	MK3 DVT MOD	MK4	Notes
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	Y	Y	Y	N	N	N	N	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	Y	Y	Y	N	N	N	N	
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	Y	Y	Y	N	N	N	N	
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	Y	Y	Y	N	N	N	N	
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	Y	Y	Y	N	N	N	N	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	Y	Y	Y	N	N	N	N	
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	Y	Y	N	N	N	N	N	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	Y	Y	Y	N	N	N	N	
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	Y	Y	Y	N	N	N	N	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	Y	Y	Y	N	N	N	N	
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	Y	Y	Y	N	N	N	N	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	Y	Y	Y	N	N	N	N	
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	Y	Y	Y	N	N	N	N	
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	Y	Y	Y	N	N	N	N	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	Y	Y	Y	N	N	N	N	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	Y	Y	R1	N	N	N	N	R1 Prohibited between ¾ mile post and Ludgershall
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 MOD	MK3 DVT	MK3 DVT MOD	MK4	Notes
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	Y	Y	Y	N	N	N	N	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	Y	Y	Y	N	N	N	N	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	Y	Y	Y	N	N	N	N	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	Y	Y	Y	N	N	N	N	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	Y	Y	Y	N	N	N	N	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	Y	Y	Y	N	N	N	N	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	Y	Y	Y	N	N	N	N	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	Y	Y	N	N	N	N	N	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	Y	Y	N	N	N	N	N	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	Y	Y	N	N	N	N	N	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	Y	Y	N	N	N	N	N	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	Y	Y	Y	N	N	N	N	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	Y	Y	Y	N	N	N	N	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	Y	Y	Y	N	N	N	N	
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	Y	Y	Y	N	N	N	N	
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	Y	Y	Y	N	N	N	N	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	Y	Y	Y	N	N	N	N	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	Y	Y	Y	N	N	N	N	
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	Y	Y	Y	N	N	N	N	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	Y	Y	Y	N	N	N	N	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	Y	Y	Y	N	N	N	N	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	Y	Y	Y	N	N	N	N	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 MOD	MK3 DVT	MK3 DVT MOD	MK4	Notes
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	Y	Y	R1	N	N	N	N	R1 OPPOS applies between Laverstock South Jn and Salisbury Tunnel Jn
SW155	TTF	Totton – Marchwood	82	43	86	10	Y	Y	N	N	N	N	N	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	Y	Y	N	N	N	N	N	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	Y	Y	N	N	N	N	N	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	Y	Y	N	N	N	N	N	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	Y	Y	Y	N	N	N	N	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	Y	Y	Y	N	N	N	N	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	Y	Y	Y	N	N	N	N	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	Y	Y	R1	N	N	N	N	R1 40mph maximum speed
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	Y	Y	Y	N	N	N	N	
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	Y	Y	Y	N	N	N	N	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	Y	Y	Y	N	N	N	N	
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	Y	Y	Y	N	N	N	N	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	Y	Y	Y	N	N	N	N	
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	Y	Y	Y	N	N	N	N	
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	Y	Y	Y	N	N	N	N	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	Y	Y	Y	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	Y	Y	Y	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	Y	Y	Y	N	N	N	N	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 MOD	MK3 DVT	MK3 DVT MOD	MK4	Notes
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	Y	Y	Y	N	N	N	N	
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	Y	Y	N	N	N	N	N	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	Y	Y	Y	N	N	N	N	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	Y	Y	Y	N	N	N	N	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	Y	Y	Y	N	N	N	N	
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	Y	Y	Y	N	N	N	N	
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	Y	Y	Y	N	N	N	N	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	Y	Y	Y	N	N	N	N	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	Y	Y	Y	N	N	N	N	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	Y	Y	Y	N	N	N	N	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	Y	Y	Y	N	N	N	N	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	Y	Y	Y	N	N	N	N	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	Y	Y	Y	N	N	N	N	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	Y	Y	Y	N	N	N	N	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	Y	Y	Y	N	N	N	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	Y	Y	R1	N	N	N	N	R1 10mph Wimbledon Park Down platform
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	Y	Y	Y	N	N	N	N	
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	Y	Y	R1	N	N	N	N	R1 OPPOS applies between New Kew Jn and Kew East Jn
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	Y	Y	Y	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 MOD	MK3 DVT	MK3 DVT MOD	MK4	Notes
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	Y	Y	Y	N	N	N	N	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	Y	Y	Y	N	N	N	N	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	Y	Y	Y	N	N	N	N	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	Y	Y	Y	N	N	N	N	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	Y	Y	Y	N	N	N	N	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	Y	Y	Y	N	N	N	N	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	Y	Y	Y	N	N	N	N	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	Y	Y	Y	N	N	N	N	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	Y	Y	Y	N	N	N	N	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	Y	Y	Y	N	N	N	N	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	Y	Y	Y	N	N	N	N	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	Y	Y	N	N	N	N	N	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	Y	Y	Y	N	N	N	N	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	Y	Y	Y	N	N	N	N	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	Y	Y	N	N	N	N	N	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	Y	Y	Y	N	N	N	N	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	Y	Y	Y	N	N	N	N	

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Table D4A – Route clearance of locomotives

Last Updated: 23/12/2023

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	8	N	N	N	N	N	N	R1	N	R1 Route prohibited to Classes 37/0, 37/3 and 37/4
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	8	N	N	N	N	N	N	N	N	
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Woking – Basingstoke	24	27	47	61	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	St Denys – Northam Jn	77	10	78	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	8	R1	R1	R1	R1	R1	R1	R1	R1	R1 5mph over FUR E28/9 Grange Road Bridge (128m 06ch)
SW105	BML2	Worgret Jn– Dorchester Jn	121	77	136	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	7*	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	8	Y	Y	R1	Y	R2	R2	Y	R1	R1 Class 20 and Class 37/5 locomotives that conform to RA6 40mph over Hurstbourne viaduct between Whitchurch and Andover if there is more than one locomotive R2 40mph over Hurstbourne viaduct between Whitchurch and Andover if there is more than one locomotive
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	6	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	6	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	7	R1	R1	R1	R1	R1	R1	R1	R1	R1 15 mph over Hamble viaduct No.29 (8m 75ch) between Burlesdon and Swanwick
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	8	Y	Y	R1	Y	R2	R2	Y	R1	R1 Class 20 and 37/5 locomotives that conform to RA6 - 40 mph over Wallington Viaduct (85m 33ch and 85m 44ch) between Fareham and Portchester if there is more one locomotive R2 40 mph over Wallington Viaduct (85m 33ch and 85m 44ch) between Fareham and Portchester if there is more one locomotive

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW155	TTF	Totton – Marchwood	82	43	86	10	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	6	Y	Y	Y	Y	Y	Y	Y	Y	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	6	Y	Y	Y	Y	Y	Y	Y	Y	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	6	R1	R1	R1	R1	R1	R1	R1	R1	R1 40mph maximum speed
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	8	R1	R1	R1	R1	R1	R1	R1	R1	R1 15 mph over bridge 3/319 (22m 15ch)
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	4	R1	R1	R1	R1	R1	R1	R1	R1	R1 10 mph over bridge 14/2 (13m 45ch)
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	8	R1	R1	R1	R1	R1	R1	R1	R1	R1 15mph over bridge 10 (16m 51ch) between Claygate and Oxshott
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	8	N	N	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	6	N	N	N	N	N	N	N	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	6	N	N	N	N	N	N	N	N	
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	8	R1	R1	R1	R1	R1	R1	R1	R1	20mph over Bridge 7/8 (07m 57ch) Barnes River Bridge STNC 28/04/2023 until 31/07/2026
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	4	Y	Y	Y	Y	Y	Y	Y	Y	R1
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	8	Y	Y	Y	Y	Y	Y	Y	Y	

Table D4B – Route clearance of locomotives

Last Updated: 29/06/2024

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7	37/9	43	47/2	47/4	47/7	56	57	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	8	N	N	N	N	N	N	N	N	
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	8	Y	Y	R1	Y	Y	Y	Y	Y	R1 Prohibited Waterloo platforms 12-16
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	8	Y	Y	N	Y	Y	Y	Y	Y	
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	8	Y	Y	N	Y	Y	Y	Y	Y	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	8	Y	Y	N	Y	Y	Y	Y	Y	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	8	Y	Y	N	Y	Y	Y	Y	Y	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	8	Y	Y	N	Y	Y	Y	Y	Y	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	8	Y	Y	N	Y	Y	Y	Y	Y	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	8	Y	Y	R1	Y	Y	Y	Y	Y	R1 Prohibited Up Windsor Slow line
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	8	Y	Y	N	Y	Y	Y	Y	Y	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	8	Y	Y	N	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7	37/9	43	47/2	47/4	47/7	56	57	Notes
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	8	Y	Y	R1	Y	Y	Y	Y	Y	R1 Prohibited Up Windsor Slow line
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	8	Y	Y	N	Y	Y	Y	Y	Y	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	8	Y	Y	N	Y	Y	Y	Y	Y	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	8	N	N	N	N	N	N	N	N	
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	8	Y	Y	N	Y	Y	Y	Y	Y	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	8	Y	Y	N	Y	Y	Y	Y	Y	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	8	Y	Y	N	Y	Y	Y	Y	Y	
SW105	BML1	Woking – Basingstoke	24	27	47	61	8	Y	Y	N	Y	Y	Y	Y	Y	
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	St Denys – Northam Jn	77	10	78	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	8	R1	R1	R1	R1	R1	R1	R1	R1	R1 5mph over FUR E28/9 Grange Road Bridge (128m 06ch)
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	8	Y	Y	N	Y	Y	Y	Y	Y	
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	8	Y	Y	R1	Y	Y	Y	Y	Y	R1 40mph through Buriton Tunnel (57m 46ch to 57m 68ch)
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7	37/9	43	47/2	47/4	47/7	56	57	Notes
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	7*	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	8	R1	R1	Y	R1	R1	R1	R1	R1	R1 40mph over Hurstbourne viaduct between Whitchurch and Andover if there is more than one locomotive
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	8	Y	Y	N	Y	Y	Y	Y	Y	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	8	Y	Y	N	Y	Y	Y	Y	Y	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	6	Y	Y	Y	Y	Y	Y	N	Y	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	6	Y	Y	Y	Y	Y	Y	N	Y	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7	37/9	43	47/2	47/4	47/7	56	57	Notes
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	7	Y	Y	R1 R2	Y	Y	Y	Y	Y	R1 - Prohibited Ash Vale platform 1 10mph Government Road Bridge R2 - No.10 between Ash Vale and Aldershot Up line 33m 41ch
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	7	Y	Y	R1	Y	Y	Y	Y	Y	R1 - 40mph Farnham platform 2
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	7	R1	R1	N	R1	R1	R1	R1	R1	R1 15 mph over Hamble viaduct No.29 (8m 75ch) between Burlesdon and Swanwick
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	7	Y	Y	N	Y	Y	Y	Y	Y	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	7	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	8	R1	R1	Y	R1	R1	R1	R1	R1	R1 40 mph over Wallington Viaduct (85m 33ch and 85m 44ch) between Fareham and Portchester if there is more one locomotive
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	8	Y	Y	N	Y	Y	Y	Y	Y	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	8	Y	Y	R1	Y	Y	Y	Y	Y	R1 OPPOS applies between Laverstock South Jn and Salisbury Tunnel Jn
SW155	TTF	Totton – Marchwood	82	43	86	10	8	Y	Y	N	Y	Y	Y	Y	Y	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	8	Y	Y	N	Y	Y	Y	Y	Y	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	8	Y	Y	N	Y	Y	Y	Y	Y	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	8	Y	Y	N	Y	Y	Y	Y	Y	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	6	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7	37/9	43	47/2	47/4	47/7	56	57	Notes
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	6	N	N	Y	Y	Y	Y	Y	Y	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	6	R1	R1	R1	R1	R1	R1	R1	R1	R1 40mph maximum speed
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	8	Y	Y	N	Y	Y	Y	Y	Y	
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	8	Y	Y	N	Y	Y	Y	Y	Y	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	8	Y	Y	N	Y	Y	Y	Y	Y	
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	Y	N	Y	Y	Y	Y	Y	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	8	R1	R1	N	R1	R1	R1	R1	R1	R1 15 mph over bridge 3/319 (22m 15ch)
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	8	Y	Y	N	Y	Y	Y	Y	Y	
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	8	Y	Y	N	Y	Y	Y	Y	Y	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	8	Y	Y	N	Y	Y	Y	Y	Y	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	4	R1	R1	N	R1	R1	R1	R1	R1	R1 10 mph over bridge 14/2 (13m 45ch)
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	8	Y	Y	N	Y	Y	Y	Y	Y	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	8	R1	R1	N	R1	R1	R1	R1	R1	R1 15mph over bridge 10 (16m 51ch) between Claygate and Oxshott.
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	8	Y	Y	N	Y	Y	Y	Y	Y	
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	8	Y	Y	N	Y	Y	Y	Y	Y	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7	37/9	43	47/2	47/4	47/7	56	57	Notes
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	8	Y	Y	R1 R2 R3 R4 R5	Y	Y	Y	Y	Y	R1 10mph Twickenham Down platform R2 10mph Whitton Down platform R3 20mph Feltham Down platform R4 20mph Virginia Water Down platform R5 20mph Egham Down platform
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	8	Y	Y	R1 R2 R3 R4	Y	Y	Y	Y	Y	R1 15mph Sunningdale Down platform R2 20mph Ascot Down platform R3 Prohibited Ascot Up line R4 5mph Bracknell Up and Down platforms
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	6	N	N	N	N	N	N	N	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	6	N	N	N	N	N	N	N	N	
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	8	R1	R1	R1	R1	R1	R1	R1	R1	20mph over Bridge 7/8 (07m57ch) Barnes River Bridge STNC 28/04/2023 until 31/07/2026
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	8	Y	Y	N	Y	Y	Y	Y	Y	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	8	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7	37/9	43	47/2	47/4	47/7	56	57	Notes
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	8	Y	Y	N	Y	Y	Y	Y	Y	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	8	Y	Y	R1	Y	Y	Y	Y	Y	R1 5mph Isleworth Down platform
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	8	Y	Y	N	Y	Y	Y	Y	Y	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	8	Y	Y	N	Y	Y	Y	Y	Y	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	8	Y	Y	N	Y	Y	Y	Y	Y	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	8	Y	Y	N	Y	Y	Y	Y	Y	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	4	Y	Y	N	Y	Y	Y	Y	Y	R1
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	8	Y	Y	N	Y	Y	Y	Y	Y	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	8	Y	Y	N	Y	Y	Y	Y	Y	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	8	Y	Y	N	Y	Y	Y	Y	Y	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	8	Y	Y	N	Y	Y	Y	Y	Y	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	8	Y	Y	Y	Y	Y	Y	Y	Y	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	8	Y	Y	N	Y	Y	Y	Y	Y	

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Table D4C – Route clearance of locomotives

Last Updated: 23/12/2023

To be read in conjunction with General Notes.

Class 67 – Additional speed restrictions are detailed on the current Vehicle/Infrastructure Summary of Compatibility documentation.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	58	59	60	66	67	68	70	73	97/3	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	8	N	N	N	R1	R1	Y	N	Y	N	R1 Prohibited Waterloo platforms 21 and 23
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	8	Y	Y	Y	Y	Y	R1	Y	Y	Y	R1 Prohibited Vauxhall platform 7 (Up Main Slow line)
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	58	59	60	66	67	68	70	73	97/3	Notes
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	8	N	N	N	N	N	N	N	N	N	
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Woking – Basingstoke	24	27	47	61	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML1	St Denys – Northam Jn	77	10	78	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	FUR	Worgret Jn– Network Rail Boundary (Swanage Railway)	126	30	129	55	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1 5mph over FUR E28/9 Grange Road Bridge (128m 06ch)
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	58	59	60	66	67	68	70	73	97/3	Notes
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	7*	Y	Y	Y	Y	Y	Y	Y	R1	Y	R1 Prohibited from platforms 1 & 3 at Portsmouth Harbour unless hauling Infrastructure Monitoring Trains
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	8	R1	R1	R1	R1	R1	R1	R1	R1	Y	R1 40mph over Hurstbourne viaduct between Whitchurch and Andover if there is more than one locomotive
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	8	Y	Y	Y	Y	Y	Y	N	Y	Y	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	7	Y	Y	N	Y	R1	Y	Y	Y	Y	R1 70mph
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	6	N	Y	N	Y	R1	N	N	Y	Y	R1 70mph

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	58	59	60	66	67	68	70	73	97/3	Notes
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	6	N	Y	N	Y	R1	N	N	Y	Y	R1 70mph
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	7	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1 15 mph over Hamble viaduct No.29 (8m 75ch) between Burlesdon and Swanwick
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	7	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	8	R1	R1	R1	R1	R1	R1	R1	R1	Y	R1 40 mph over Wallington Viaduct (85m 33ch and 85m 44ch between Fareham and Portchester) if there is more one locomotive
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW155	TTF	Totton – Marchwood	82	43	86	10	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	58	59	60	66	67	68	70	73	97/3	Notes	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	6	N	Y	N	Y	R1	N	Y	Y	Y	R1	70mph maximum speed
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	6	N	Y	N	Y	R1	N	N	Y	Y	R1	70mph maximum speed
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	6	N	R1	N	R1	R1	N	R1 R2	R1	R1	R1 R2	40mph maximum speed Freight trains and top and tail locomotive hauled passenger trains with less than 3 coaches between leading and trailing locomotive: • 20 mph at Bridge E30/197 (157m 77ch) NC/G1/2010/ICP-RA/SO003V until 31 March 2016
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	15 mph over bridge 3/319 (22m 15ch)
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	4	R1	R1	R1	R1	R1	N	N	R1	R1	R1	10 mph over bridge 14/2 (13m 45ch)
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	15mph over bridge 10 (16m 51ch) between Claygate and Oxshott
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	58	59	60	66	67	68	70	73	97/3	Notes
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	8	Y	Y	Y	Y	Y	R1	Y	Y	Y	R1 Prohibited Reading Bay platform 6
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	6	N	N	N	N	N	N	N	N	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	6	N	N	N	N	N	N	N	N	N	
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	20mph over Bridge 7/8 (07m57ch) Barnes River Bridge STNC 28/04/2023 until 31/07/2026
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	58	59	60	66	67	68	70	73	97/3	Notes
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	4	Y	Y	Y	Y	Y	N	N	Y	Y	R1
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

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Table D4D – Route clearance of locomotives

Last Updated: 23/12/2023

To be read in conjunction with General Notes.

Class 92 locomotives may additionally be dead hauled on any route that conforms to W6a and RA7 provided that the 'Battery Isolation Switch' is set to the 'Isolate' position

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	8	N	N	Y	N	N	N	
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	8	N	N	Y	N	N	N	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	8	N	N	Y	N	N	N	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	8	N	N	Y	N	N	N	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	8	N	N	Y	N	N	N	
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	8	N	N	Y	N	N	N	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	8	N	N	R1	N	N	N	R1 Prohibited Vauxhall platform 7
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	8	N	N	Y	N	N	N	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	8	N	N	Y	N	N	N	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	8	N	N	Y	N	N	N	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	8	N	N	Y	N	N	N	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	8	N	N	Y	N	N	N	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	8	N	N	Y	N	N	N	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	8	N	N	Y	N	N	N	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	8	N	N	Y	N	N	Y	

Line of route	ELR	Line of Route / Sector Description	0000 M	0000 Ch	0000 M	0000 Ch	RA	86	87	88	90	91	92	Notes
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	8	N	N	Y	N	N	N	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	8	N	N	Y	N	N	R1	R1 For access into Clapham Sidings 48 and 49
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	8	N	N	Y	N	N	N	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	8	N	N	Y	N	N	N	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	8	N	N	Y	N	N	N	
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	8	N	N	Y	N	N	N	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	8	N	N	Y	N	N	N	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	8	N	N	Y	N	N	N	
SW105	BML1	Woking – Basingstoke	24	27	47	61	8	N	N	Y	N	N	N	
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	8	N	N	Y	N	N	N	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	8	N	N	Y	N	N	N	
SW105	BML1	St Denys – Northam Jn	77	10	78	15	8	N	N	Y	N	N	N	
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	8	N	N	Y	N	N	N	
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	8	N	N	Y	N	N	N	
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	8	N	N	Y	N	N	N	
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	8	N	N	Y	N	N	N	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	8	N	N	Y	N	N	N	
SW110	WPH1	Woking Jn – Guilford	24	62	30	27	8	N	N	Y	N	N	N	
SW110	WPH1	Guilford – Shalford Jn	30	27	31	42	8	N	N	Y	N	N	N	
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	8	N	N	Y	N	N	N	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	8	N	N	Y	N	N	N	
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	8	N	N	Y	N	N	N	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	8	N	N	Y	N	N	N	
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	8	N	N	Y	N	N	N	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	8	N	N	Y	N	N	N	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	7	N	N	Y	N	N	N	
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	7*	N	N	Y	N	N	N	
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	8	N	N	Y	N	N	N	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	8	N	N	Y	N	N	N	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	8	N	N	Y	N	N	N	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	8	N	N	Y	N	N	N	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	8	N	N	Y	N	N	N	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	8	N	N	Y	N	N	N	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	8	N	N	Y	N	N	N	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	8	N	N	Y	N	N	N	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	7	N	N	Y	N	N	N	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	6	N	N	N	N	N	N	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	6	N	N	N	N	N	N	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	8	N	N	Y	N	N	N	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	7	N	N	Y	N	N	N	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	7	N	N	Y	N	N	N	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	7	N	N	Y	N	N	N	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	8	N	N	R1	N	N	N	R1 Prohibited Basingstoke (No.6 GW siding)

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	8	N	N	Y	N	N	N	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	8	N	N	Y	N	N	N	
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	7	N	N	Y	N	N	N	
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	7	N	N	Y	N	N	N	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	7	N	N	Y	N	N	N	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	8	N	N	Y	N	N	N	
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	8	N	N	Y	N	N	N	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	8	N	N	Y	N	N	N	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	8	N	N	Y	N	N	N	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	8	N	N	Y	N	N	N	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	8	N	N	Y	N	N	N	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	8	N	N	Y	N	N	N	
SW155	TTF	Totton – Marchwood	82	43	86	10	8	N	N	Y	N	N	N	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	8	N	N	Y	N	N	N	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	8	N	N	Y	N	N	N	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	8	N	N	Y	N	N	N	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	8	N	N	Y	N	N	N	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	6	N	N	N	N	N	N	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	6	N	N	N	N	N	N	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	6	N	N	N	N	N	N	
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	8	N	N	Y	N	N	N	
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	8	N	N	Y	N	N	N	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	8	N	N	Y	N	N	N	
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	N	N	Y	N	N	N	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	8	N	N	Y	N	N	N	
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	8	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	8	N	N	Y	N	N	N	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	8	N	N	Y	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	4	N	N	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	8	N	N	Y	N	N	N	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	8	N	N	Y	N	N	N	
SW200	NGL	Effingham Jn – Guilford	21	04	29	70	8	N	N	Y	N	N	N	
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	8	N	N	Y	N	N	N	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	8	N	N	Y	N	N	N	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	8	N	N	Y	N	N	N	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	8	N	N	Y	N	N	N	
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	8	N	N	Y	N	N	N	
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	8	N	N	Y	N	N	N	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	8	N	N	Y	N	N	N	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	8	N	N	Y	N	N	N	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	8	N	N	Y	N	N	N	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	8	N	N	Y	N	N	N	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	8	N	N	Y	N	N	Y	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	8	N	N	Y	N	N	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	8	N	N	Y	N	N	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	6	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	6	N	N	N	N	N	N	
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	8	N	N	R1	N	N	N	20mph over Bridge 7/8 (07m57ch) Barnes River Bridge STNC 28/04/2023 until 31/07/2026
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	8	N	N	Y	N	N	N	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	8	N	N	Y	N	N	N	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	8	N	N	Y	N	N	N	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	8	N	N	Y	N	N	N	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	8	N	N	Y	N	N	N	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	8	N	N	Y	N	N	N	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	8	N	N	Y	N	N	N	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	8	N	N	Y	N	N	N	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	8	N	N	Y	N	N	N	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	4	N	N	N	N	N	N	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	8	N	N	Y	N	N	N	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	8	N	N	Y	N	N	N	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	8	N	N	Y	N	N	N	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	8	N	N	Y	N	N	N	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	8	N	N	Y	N	N	N	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	8	N	N	Y	N	N	N	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	8	N	N	Y	N	N	N	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	8	N	N	Y	N	N	N	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	8	N	N	Y	N	N	N	

Table D5A – Route Clearance of Freight Vehicles

Last Updated: 30/04/2022

To be read in conjunction with General Notes.

The notations (used in these tables) are explained as follows for freight vehicles or loads conforming to the Group Standards:

Y Permitted to operate over the route without restriction.

R Permitted to operate over part or all of the route but restrictions apply. See “Notes” column for details.

S Permitted for, or prohibited to, specific traffic. See “Notes” column for details.

* Route does not conform to Group Standard W6A Lower Gauge as defined in GE/RT8073. Certain W6A vehicles are prohibited from all or part of the route; these restrictions are detailed on the Summary of Compatibility for the vehicles concerned.

N Prohibited from operating over the route

Conditions of Operation

- When operating within a possession the notations detailed within the table may not apply subject to a risk assessment and the application of appropriate control measures (in accordance with company and Group Standards).
- Freight traffic, other than containers/swap bodies, which exceed W6A gauge shall only operate in accordance with GORT3056-K
- Vehicles conveying containers/swap bodies are also subject to the procedure detailed in GO/RM3056, Section J Intermodal Traffic.
- Temporary authority for a specific wagon and container/swapbody combination may be granted by the Infrastructure Manager’s Gauging Engineer. This authority shall be detailed and issued on an RT3973/CON form.

Note

GO/RM3056 Section J Intermodal Traffic contains details of the wagon type (by TOPS code) and container/swapbody (by height, width and/or size code) combinations that conform to the gauges shown as column headings in this table.

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SW100	Waterloo – Clapham Junction (Main lines)	Y *	N	N	N	N	N	N	N	
SW100	Waterloo – Clapham Junction (Windsor lines)	Y *	N	N	N	N	N	N	N	
SW100	Waterloo Station Platforms 20-24 – International Jn	R1	N	N	N	N	N	N	N	R1 Prohibited Waterloo platforms 20 - 24
SW100	Nine Elms Jn – Linford Street Jn	Y	N	N	N	N	N	N	N	
SW100	Clapham West London Jn – Latchmere No 3 Jn	Y	N	N	N	N	N	N	N	
SW100	Latchmere Reversible Line	Y	Y	Y	Y	N	N	N	N	
SW100	Longhedge Jn – Ludgate GW Jn	Y	Y	Y	Y	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SW105	Clapham Junction – Byfleet Jn	Y *	S1	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2625 (h) x 2500 (w) box on **FEA FSA/FTA** wagons 2896 (h) x 2500 (w) box on **FLA** wagons 2615 (h) x 2500 (w) box on **KFA** wagons **UP FAST line ONLY**
SW105	Byfleet Jn – Basingstoke, Reading Line Jn	Y *	S1	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA** wagons 2667 (h) x 2500 (w) box on **FKA FIA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2615 (h) x 2550 (w) box on **KFA** wagons
SW105	Basingstoke, Reading Line Jn – Worting Jn	Y *	Y	Y	N	N	Y	N	N	
SW105	Worting Jn – Northam [COM]	Y *	Y	Y	N	N	Y	N	N	
SW105	Northam [COM] – Redbridge Jn	Y *	Y	Y	N	N	Y	N	N	
SW105	Redbridge Jn – Totton Jn	Y *	S1	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2590 (h) x 2500 (w) box on **FCA FIA FKA IFA IKA KFA** wagons 2896 (h) x 2500 (w) box on **FAA** wagons
SW105	Totton Jn – Weymouth	Y *	N	N	N	N	N	N	N	
SW105	Milbrook Jn – Southampton Western Docks	Y	Y	Y	N	N	N	N	N	
SW105	Bournemouth T&RS Depot Former Bournemouth West branch	Y	N	N	N	N	N	N	N	
SW105	Worgret Jn – Furzebrook Sidings	Y	N	N	N	N	N	N	N	
SW110	Woking Jn – Havant Jn	R1*	N	N	N	N	N	N	N	R1 W6a 25 mph, Up Line Br. WPH1-27 [33m 71ch]

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SW110	Havant Jn – Portsmouth Harbour	Y *	R1	S1	N	N	N	N	N	R1 W7 Prohibited between Blackfriars Jn and Portsmouth Harbour S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA** wagons 2675 (h) x 2550 (w) box on **FKA IKA** wagons 2595 (h) x 2550 (w) box on **IFA FIA** wagons between Portcreek Jn and Fratton Yard ONLY
SW115	Basingstoke, Worting Jn – Salisbury Tunnel Jn	Y *	Y	Y	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 PROHIBITED Laverstock North Jn to Salisbury Tunnel Jn R2 PROHIBITED Andover Up yard and Branch
SW115	Salisbury Tunnel Jn – Wilton Jn	Y *	Y	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA** wagons 2667 (h) x 2500 (w) box on **FKA IFA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2615 (h) x 2550 (w) box on **KFA** wagons 25mph, Down Line at Fisherton Tunnel [82m 37ch to 82m 57ch]
SW115	Wilton Jn – Dinton	Y	Y	N	N	N	N	N	N	
SW115	Dinton – Exeter St Davids	Y *	N	N	N	N	N	N	N	
SW115	Andover Jn – Ludgershall	Y	Y	Y	N	N	N	N	N	
SW115	Laverstock Loop (SW150)	Y	Y	Y	Y	Y	Y	Y	Y	
SW120	Pirbright Jn – Alton	Y *	N	N	N	N	N	N	N	
SW125	Southcote Jn – Basingstoke	Y *	Y	Y	N	N	Y	N	N	
SW130	Eastleigh – Romsey	Y	Y	Y	Y	Y	Y	Y	Y	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SW135	Eastleigh – Fareham	Y *	Y	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA** wagons 2675 (h) x 2550 (w) box on **FKA IKA** wagons 2595 (h) x 2550 (w) box on **IFA FIA** wagons
SW140	St Denys – Fareham East Jn	Y *	N	N	N	N	N	N	N	
SW140	Fareham East Jn – Portcreek Jn	Y	Y	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA** wagons 2675 (h) x 2550 (w) box on **FKA IKA** wagons 2595 (h) x 2550 (w) box on **IFA FIA** wagons 40 mph, Up Line Br. SDP2-16/5 [85m 60ch]
SW140	Farlington Jn – Cosham Jn	Y	Y	N	N	N	N	N	N	
SW145	Northam Jn – Canute Road	Y	Y	Y	N	N	N	N	N	
SW150	Redbridge – Salisbury Tunnel Jn	Y *	Y	Y	R1 R2	R1 R2	R1	R1	R1 R2 R3	R1 PROHIBITED Laverstock South Jn to Salisbury Tunnel Jn R2 20mph through Dean platform 1 (Up Salisbury) R3 20mph through Dean platform 2 (Down Salisbury)
SW150	Laverstock Loop (SW115)	Y	Y	Y	Y	Y	Y	Y	Y	
SW155	Totton – Marchwood (Goods Line)	Y	S1	S1	N	N	N	N	N	S1 The following combinations are permitted, up to: 2590 (h) x 2500 (w) box on **FCA FIA FKA IFA IKA KFA** wagons 2896 (h) x 2500 (w) box on **FAA** wagons

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SW155	Marchwood – Fawley (Goods Line)	Y	N	N	N	N	N	N	N	
SW160	Brockenhurst – Lymington Pier	Y *	N	N	N	N	N	N	N	
SW165	Hamworthy – Hamworthy Goods (Goods Line)	Y	Y	N	N	N	N	N	N	
SW170	Westbury – Wilton Jn	Y	Y	Y	N	N	N	N	N	
SW175	Castle Cary – Dorchester Jn	Y *	N	N	N	N	N	N	N	
SW175	Yeovil, Pen Mill Jn – Yeovil Junction	Y	N	N	N	N	N	N	N	
SW180	Raynes Park – Horsham	Y *	N	N	N	N	N	N	N	
SW185	Motspur Park – Chessington South	Y *	N	N	N	N	N	N	N	
SW190	New Malden Jn – Shepperton	Y *	N	N	N	N	N	N	N	
SW195	Hampton Court Jn – Hampton Court	Y *	N	N	N	N	N	N	N	
SW200	Hampton Court Jn – Guildford (via Cobham)	Y *	N	N	N	N	N	N	N	
SW205	Leatherhead – Effingham Junction	Y *	N	N	N	N	N	N	N	
SW210	Clapham Junction – Barnes Jn	Y *	Y	S1	S2	N	N	N	N	S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA** wagons 2667 (h) x 2500 (w) box on **FIA FKA** wagons 2625 (h) x 2550 (w) S17 FT on **FEA FSA/FTA** wagons 2615 (h) x 2550 (w) S16 FT on **KFA** wagons S2 The following combinations are permitted, up to: 2770 (h) x 2550 (w) box on **FIA IFA** wagons 2896 (h) x 2550 (w) box on **IKA FKA** wagons 2553 (h) x 2500 (w) box on **IFB** wagons
SW210	Barnes Jn – Feltham Jn (via North Sheen)	Y *	N	N	N	N	N	N	N	
SW210	Feltham Jn – Virginia Water	Y *	Y	Y	N	N	N	N	N	
SW210	Virginia Water – Wokingham Jn	Y *	N	N	N	N	N	N	N	
SW210	Wokingham Jn – Reading	Y *	N	N	N	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SW210	Reading Southern Jn – Reading East Main Jn (RLL)	Y	Y	Y	Y	N	Y	N	Y	
SW210	Reading Spur Jn – Reading New Jn	Y	Y	Y	N	N	N	N	N	
SW220	Latchmere Jn – Kensington Olympia	Y	Y	Y	Y	N	N	N	N	
SW225	Point Pleasant Jn – Wimbledon	Y	N	N	N	N	N	N	N	
SW230	Barnes – New Kew Jn	Y	Y	Y	Y	N	N	N	N	
SW230	New Kew Jn – Feltham Jn	Y *	R1	S1	N	N	N	N	N	R1 W7 25 mph, Both Lines Br. HOU-35 [13m 24ch] S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA** wagons 2667 (h) x 2500 (w) box on **FIA FKA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2615 (h) x 2550 (w) box on **KFA** wagons 25 mph, Both Lines Br. HOU-35 [13m 24ch]
SW230	Hounslow Jn – Whitton Jn	Y	N	N	N	N	N	N	N	
SW240	Kew East Jn – Old Kew Jn	Y	Y	Y	N	N	N	N	N	
SW240	Kew East Jn – New Kew Jn	Y	Y	Y	Y	N	N	N	N	
SW245	Twickenham – Shacklegate Jn	Y *	N	N	N	N	N	N	N	
SW245	Strawberry Hill Jn – Fulwell Jn	Y	N	N	N	N	N	N	N	
SW250	Staines – Windsor and Eton Riverside	Y *	N	N	N	N	N	N	N	

Line of route	Line of Route / Sector Description	Gauge								Notes
		W6a	W7	W8	W9	W9Plus	W10	W10A	W12	
SW255	Virginia Water – Byfleet Jn	Y *	R1	S1	N	N	N	N	N	R1 W7, 10 mph Down Line Br. VWW-9 [21m 27ch] S1 The following combinations are permitted, up to: 2896 (h) x 2500 (w) box on **FAA FLA** wagons 2590 (h) x 2500 (w) box on **FCA** wagons 2667 (h) x 2500 (w) box on **FKA FIA** wagons 2625 (h) x 2550 (w) box on **FEA FSA/FTA** wagons 2615 (h) x 2550 (w) box on **KFA** wagons 10 mph, Down Line Br. VWW-9 [21m 27ch]
SW255	Weybridge Bay Platform – Addlestone Jn	Y	Y	N	N	N	N	N	N	
SW260	Ascot – Ash Vale Jn	Y *	N	N	N	N	N	N	N	
SW265	Guildford North Jn – Wokingham Jn	Y	N	N	N	N	N	N	N	
SW265	Aldershot South Jn – Aldershot North Jn	Y	N	N	N	N	N	N	N	

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Table D5B – Locomotive Gauge Clearance table

Last Updated: 23/12/2023

To be read in conjunction with General Notes.

- All locomotives conform to locomotive gauge, apart from Class 37s (when fitted with roof horns).
- Locomotive gauge restrictions apply to all locomotives unless clearance is provided in the Route Clearance D4 Tables.
- Locomotives that are not listed in the Route Clearance D4 Tables are permitted to operate over routes that conform to locomotive gauge, subject to the restrictions detailed in the table below and the conditions stated in the locomotive's Summary of Compatibility document. Locomotives that are not listed in the Route Clearance D4 Tables require a valid Summary of Compatibility prior to operation over Network Rail infrastructure.
- Locomotives are PROHIBITED from using crossovers within platforms (code word LACER) unless their overall length (over buffers) is 18.288m or less.
- Gauge clearance for steam locomotives is considered under a separate process.

The notations (used in these tables) are explained as follows for locomotive gauge conformant vehicles:

Y Route conforms to locomotive gauge without restriction.

R Route conforms (or partly conforms) to locomotive gauge but restrictions apply. See “Notes” column for details.

N Route does not conform to locomotive gauge

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SW100	JAT	Waterloo platforms 20-24 – International Jn	0	00	0	38	8	R1 R2 R3 R4 R5	R2 Prohibited from Waterloo Station (International) platform 20 R3 Prohibited from Waterloo Station (International) platform 21 R4 Prohibited from Waterloo Station (International) platform 22 R5 Prohibited from Waterloo Station (International) platform 23 R6 Prohibited from Waterloo Station (International) platform 24
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor Lines)	0	00	0	38	8	Y	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor Lines)	0	38	0	42	8	Y	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor Lines)	0	42	2	00	8	Y	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main Lines)	0	00	0	38	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SW100	BML1	International Jn – Carlisle Lane Jn (Main Lines)	0	38	0	42	8	Y	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main Lines)	0	42	2	00	8	R1	R1 Prohibited Vauxhall platform 6 (Down Main Fast line)
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	8	Y	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	8	Y	
SW100	BML1	Nine Elms Jn – Crossovers at 02m 65ch (Main lines)	2	00	2	65	8	Y	
SW100	BML1	Crossovers at 02m 65ch – West London Jn (Main lines)	2	65	3	17	8	Y	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	8	Y	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	8	Y	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	8	Y	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	8	Y	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Latchmere Jn No.2)	0	30	0	47	8	Y	
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	8	Y	
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	8	Y	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	8	R1 R2	R1 Prohibited between Clapham Junction station and Earlsfield on the Down Fast line R2 Prohibited Earlsfield platform 2 (Up Slow line)
SW105	PPW	Wimbledon North Jn (TfL infrastructure) – Wimbledon platforms 1, 2, 3 and 4 (TfL – District line)	8	26	8	47	8	Y	
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	8	Y	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	8	R1	R1 Prohibited between Walton on Thames and Weybridge on the Up Fast line
SW105	BML1	Woking – Basingstoke	24	27	47	61	8	Y	
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	8	Y	
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	8	Y	
SW105	BML1	St Denys – Northam Jn	77	10	78	15	8	Y	
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	8	Y	
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	8	R1	R1 Prohibited Bournmouth Servicing platform (Middle Siding 3)
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	126	61	8	Y	
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	8	Y	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	8	Y	
SW110	WPH1	Woking Jn – Guildford	24	62	30	27	8	Y	
SW110	WPH1	Guildford – Shalford Jn	30	27	31	42	8	R1 R2	R1 Prohibited between Guildford South Jn and Shalford Jn on the Down line R2 Prohibited between Guildford South Jn and Shalford Jn on the Up line
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	8	Y	
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	8	R1 R2	R1 Prohibited Liphook platform 1 (Up line) R2 Prohibited between Petersfield and Rowlands Castle on the Up line
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	8	Y	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	8	Y	
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	8	Y	
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	8	R1	R1 Prohibited between Fratton and Blackfriars Jn on the Up and Down Fratton line
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	8	Y	
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	7	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *Platforms 4 and 5 RA7 *Platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	7*	R1	R1 Prohibited on the Down line
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	8	Y	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	8	Y	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	8	N	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	8	Y	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	8	Y	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	8	Y	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	8	R1 R2	R1 Prohibited Salisbury platform 1 (Reception line) R2 Prohibited from Salisbury West bay platform 5
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	8	Y	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	7	R1	R1 Prohibited between Templecombe and Sherbourne on the Up Exeter line
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	6	Y	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	6	R1	R1 Prohibited between Feniton and Whimple on the Single line
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	8	Y	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	7	R1	R1 Prohibited between Aldershot North Jn and Aldershot on the Up Alton line
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	7	Y	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	7	Y	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	8	R1	R1 Prohibited Basingstoke No 6 GW Siding
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	8	Y	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	7	Y	
SW140	SDP2	Change of ELR – Fareham	84	10	84	21	7	Y	
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	7	Y	
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	8	Y	
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	8	Y	
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	8	Y	
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	8	Y	
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	8	Y	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	8	Y	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	8	Y	
SW155	TTF	Totton – Marchwood	82	43	86	10	8	Y	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	8	Y	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	8	Y	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	50	8	Y	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	8	Y	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	6	Y	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	6	Y	
SW175	WEY	Yeovil Pen Mill Jn – Dorchester Jn	141	35	162	14	6	Y	
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	8	R1	R1 Prohibited Raynes Park platform 1 (Up Epsom line)
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	8	Y	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	8	Y	
SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	8	Y	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn (SO520) [Duplicated in SO680]	21	09	35	34	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	8	Y	
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	8	Y	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	8	Y	
SW195	HAM	Hampton Court Jn – Hampton Court Up Line	13	27	14	76	4	Y	
SW195	HAM	Hampton Court Jn – Hampton Court Down Line	13	27	14	76	8	Y	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	8	Y	
SW200	NGL	Effingham Jn – Guildford	21	04	29	70	8	R1	R1 Prohibited between London Road and Guildford on the Up line
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	8	Y	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	8	R1	R1 Prohibited Wandsworth Town platform 2 (Down Windsor Fast line)
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	8	Y	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	8	Y	
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	8	R1	R1 Prohibited Ascot platform 2 (Down line)
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	8	Y	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	67	76	68	00	8	Y	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	8	Y	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	8	Y	
SW210	RDG2	Reading Southern Jn – Reading platforms 4A and 4B	68	25	68	68	8	Y	
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	8	Y	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	8	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	8	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	6	Y	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	6	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	8	Y	
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	8	Y	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	8	Y	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	8	Y	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	8	Y	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	8	Y	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	8	Y	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	8	Y	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	8	Y	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	8	Y	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	4	Y	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	8	Y	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	8	Y	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	8	Y	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	8	Y	
SW265	GTW1	Guildford – Change of ELR	30	27	35	50	8	Y	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	8	Y	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	8	Y	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	8	Y	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	8	Y	

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