NETWORK RAIL Kent, Sussex & Wessex Routes

Week No.

KSW

49

PERIODICAL OPERATING NOTICE

CONTAINING

AMENDMENTS TO NATIONAL OPERATIONS PUBLICATIONS INCLUDING NATIONAL OPERATING INSTRUCTIONS

MISCELLANEOUS INSTRUCTIONS AND NOTICES

INCORPORATING

SUPPLEMENT NO. 70 TO THE KSW ROUTE SECTIONAL APPENDIX

SATURDAY 01 MARCH 2025
to
FRIDAY 06 JUNE 2025
Inclusive

For additional items during the currency of this Notice, see Section D of the Weekly Operating Notice (WON).

Published quarterly, on the first Saturday of March, June, September and December.

This notice comprises of 32 pages

For queries regarding the content of this publication contact:
PlanningPublications@networkrail.co.uk

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ACKNOWLEDGEMENT SLIP

Please complete the Acknowledgement Slip below (if appropriate), detach it and hand it to your Supervisor/Manager.

I, the undersigned, acknowledge receipt of the Periodical Operating Notice and Supplement No. 70 to the KSW Route Sectional Appendix effective from Saturday 01 March 2025 to Friday 06 June 2025.

.

I undertake to familiarise myself with the contents and observe the instructions therein which apply to me.

Full Name (in capitals): _____

Signature (in full)**:** _____

Location: _____

Date: _____

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Introduction

This Periodical Operating Notice (PON) composed of two sections:-

Part 1 contains items published for the first time in the PON. Items published in this first section that have not been published in the Weekly Operating Notice (WON) are additionally noted by a vertical line in the margin.

Part 2 contains items previously published in the PON that are still valid.

Items marked *.* will not appear in future issues of the PON and a note must be taken of them.

Supplement to the Sectional Appendix

Attached to the back of this Notice are updates to the existing Sectional Appendix in the form of a Supplement. This is not part of the PON. It is a document in its own right. It has been physically attached to the PON to:

- ensure its effective distribution to all users
- reduce the amount of raw materials consumed in its generation and distribution
- reduce costs associated with production

The Supplement is identified as Supplement No. 70 and is dated 01 March 2025. In line with current industry standards items published in the Supplement will not appear in future PONs.

Enquiries concerning amendments to the Sectional Appendix must be e-mailed to the Planning Publications mailbox
PlanningPublications@networkrail.co.uk

Enquiries concerning amendments to the :
NATIONAL OPERATING PUBLICATIONS should be addressed to
STEVE RAY, NETWORK OPERATIONS.

Amendments to the Rule Book and Working Manuals for Railway Staff are produced by Rail Safety & Standards Board.

NETWORK RAIL KSW ROUTE TAKE NO RESPONSIBILITY FOR ANY ERRORS THAT MAY BE CONTAINED IN THESE AMENDMENTS

Enquiries concerning amendments to the Rule Book and Working Manual should be addressed to:

RSSB
The Helicon
1 South Place
London
EC2M 2RB

Email: enquirydesk@rssb.co.uk

RECORDING OF CONVERSATIONS

Telephone calls to Network Rail Signal boxes, Electrical Controls and Production Controls may be recorded for the purposes of monitoring the quality of safety related information being exchanged and to assist with investigations into incidents.

This publication is printed and distributed by APS Group

Telephone:

0161 495 4515

E-mail:

nrrons@theapsgroup.com

LATE OR NON-DELIVERY

Please contact APS Group if you have not received your PON by 15.00 hours on the Wednesday prior to the operative Saturday of this publication, thus allowing adequate time to expedite tracking and replacement procedures as necessary.

If you receive this publication from your line manager or a local distribution point

arrangement, then please contact them direct and NOT APS Group

Part A - Foreword

A1 Introduction

This document contains new and previously published amendments to National Operations Publications, which are considered too urgent to await a complete reissue of the document concerned.

A2 Scope

This document is primarily used to publish minor changes to National Operations Publications. However, it may also be used to publish material changes that have already been consulted on but do not justify the reissue of a Rule Book module and / or handbook.

A3 Implementation

The publication date of this document is **01 March 2025**.

A4 Technical content

The technical content of this document has been approved by James Webb, Professional Head of Rail Operations, RSSB. Enquiries should be directed to RSSB at https://customer-portal.rssb.co.uk/.

A5 Definitions

Material change

Where duty holders are required by a Railway Group Standard to do something physically different.

Minor change

A minor change comprises of one of the following:

- Typographical errors or changes to administrative details such as telephone numbers, or
- Changes for the purpose of clarification, where there is negligible potential for misinterpretation which diminishes safety, or
- Changes to operational documents affecting only one duty holder, provided that the duty holder consents to those changes.

National Operations Publications

These are Railway Group Standards which set out mandatory requirements for direct application in the workplace and which are subject to frequent changes. These include any modules or handbooks forming part of the Rule Book (GERT8000) or its associated information handbooks with references in the RS500 series.

Periodical Operating Notice

An official document for publishing details of changes to National Operations Publications and local operational publications to the railway industry. This is often referred to as the PON.

Part B - Changes since previous issue

Amendment No	**Publication and section**
Part C - New amendments to National Operations Publications	
	No new amendments
Amendment No	**Publication and section**
Part D - Previous amendments to National Operations Publications	
	No change to previous amendments

Part C - New amendments to National Operations Publications

No new amendments

Part D - Previous amendments to National Operations Publications

GERT8000 Rule Book

Handbook RS523 GSM-R Handbook

8 Broadcast calls

Explanation of change

A GSM-R acknowledged safety broadcast can now be used by a signaller to inform drivers that a warning board or speed indicator for a temporary speed restriction is missing or obscured. Section 8.4 has been amended to include this. (This addition was first published in the December 2017 Periodical Operating Notice).

The '**Poor rail conditions**' section has now been changed to refer to 'reportable' railhead conditions to match the changes that have been made in Rule Book module TW1 'Preparation and movement of trains' to describe rail conditions.

8.4 Acknowledged (safety) broadcast calls

Safety broadcast calls are used to reach a clear understanding by using non verbal acknowledgement.

After listening to the message in its entirety and after the call has been terminated the driver acknowledges their understanding of the message by pressing the **ST** button.

Uses for safety broadcasts

Safety broadcast calls can be used for the following scenarios.

- Poor rail conditions.
- Animals on the line (Not tunnels).
- Defective Emergency Indicators.
- Missing or obscured Temporary Speed Restriction (TSR) board.
- Unusual events (Not Track or Signalling).

Scripts for safety broadcasts

The following scripts set out the content of a pre-recorded safety broadcast:

Poor rail conditions

"This is a safety broadcast from the signaller at_____. There are reportable 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* _____, proceed at caution. 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."

Missing or obscured TSR board

"This is a safety broadcast from the signaller at _____. There is a missing/obscured* warning board or speed indicator* for the _____ mph temporary 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

** Insert name or location.

Note: If more than one TSR board is missing or obscured for a speed restriction then a GSM-R berth-triggered broadcast message cannot be used for this purpose.

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 can include overcrowding on station platforms. The location of the event must be easily identifiable by the signaller and the driver.

Changes to various modules and handbooks as a result of the term 'manned level crossing' being replaced by 'manually-controlled level crossing'

Explanation of change
It has been pointed out that the use of the term ‘manned level crossing’ in the Rule Book suggests that the person operating the crossing must be a man. This is not correct and the wording has been changed as necessary to refer to these crossings as ‘manually-controlled’.

The modules and handbooks concerned will be reissued over a period. Those listed below will not be reissued in printed format at this stage but were amended as shown from 3 December 2022. Existing copies should be altered in ink to show these changes.

Electronic versions of the modules and handbooks including these changes can be found at www.rssb.co.uk or in the Rule Book App.

Rule Book module or handbook	Section or regulation	Amendment
T3 ERTMS Possession of an ERTMS running line for engineering work where lineside signals are not provided	5.9	Amend ’manned level crossing’ to ‘manually-controlled level crossing’

Changes to various modules and handbooks as a result of the term ‘pilotman’ being replaced by ‘pilot’

Explanation of change

It has been pointed out that the use of the term ‘pilotman’ in Rule Book modules P1 *Single line working* and P2 *Working single and bi-directional lines by pilotman* suggests that the person carrying out the role must be a man. This is not correct and the term has been changed to ‘pilot’.

The modules and handbooks concerned will be reissued over a period. Those listed below will not be reissued in printed format at this stage but were amended as shown from 3 December 2022. Existing copies should be altered in ink to show these changes.

Electronic versions of the modules and handbooks including these changes can be found at www.rssb.co.uk or in the Rule Book App.

Rule Book module or handbook	Section or regulation	Amendment
G1 General safety responsibilities and personal track safety for non-track workers	5.3 5.6	Amend ‘pilotman’ to ‘pilot’
T3 ERTMS Possession of an ERTMS running line for engineering work where lineside signals are not provided.	7.2	Amend ‘pilotman’ to ‘pilot’
TS3 Absolute block regulations	9.1 9.2.2 9.2.4 9.5	Amend ‘pilotman’ to ‘pilot’
TS4 Electric token block regulations	2.2 8.1.1 8.2.1 8.6.1	Amend title of module P2 to read *‘Working single and bi-directional lines by pilot’*.
TS4 Electric token block regulations	8.1.1 8.1.2 8.2.1 8.2.2 8.2.3 8.5 8.6.1 8.6.2 8.7 8.8	Amend ‘pilotman’ to ‘pilot’
TS5 Tokenless block regulations	8.1 8.2	Amend title of module P2 to read *‘Working single and bi-directional lines by pilot’*
TS5 Tokenless block	8	Amend ‘pilotman’ to ‘pilot’

regulations	8.1 8.2 8.3 8.4 8.5 8.5.2	
TS7 No-signaller token regulations	2.2 8.1.1 8.2.1 8.3.1	Amend title of module P2 to read *'Working single and bi-directional lines by pilot'*
TS7 No-signaller token regulations	3.1 8.1.1 8.1.2 8.2.1 8.2.2 8.2.3 8.3.1 8.3.2 8.4	Amend 'pilotman' to 'pilot'
TS8 One-train working regulations	8.1 8.4.1	Amend title of module P2 to read *'Working single and bi-directional lines by pilot'*
TS8 One-train working regulations	3.1 3.2 8 8.1 8.2 8.3 8.4.1 8.4.2	Amend 'pilotman' to 'pilot'
Handbook 5 Handsignalling duties	4 6.1	Amend 'pilotman' to 'pilot'

Handbook RS524 List of Dangerous Goods and their United Nations numbers

Table 1

Explanation of change
The 2023 RID regulations include a number of changes to the details of UN numbers which are as shown below.

Delete: the following which ceased to be valid after 30th June 2023**:**

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
1169	Extracts, aromatic, liquid			

Amend: the following as shown:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
1197	Extracts, liquid for flavour or aroma	3		II, III
1345	Rubber scrap or Rubber shoddy, powdered or granulated not exceeding 840 microns and rubber content exceeding 45%	4.1		II
1872	Lead dioxide	5.1		III
1891	Ethyl bromide (Bromoethane)	3	6.1	II
2015	Hydrogen peroxide, stabilized or hydrogen peroxide, aqueous solution, stabilized with more than 70% hydrogen peroxide	5.1	8	I

Add: the following new entry:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
3550	Cobalt dihydroxide powder, containing not less than 10% respirable particles	6.1		I

Handbook 9 IWA or COSS setting up safe systems of work within possessions

Explanation of change
As a result of the reissue of Handbooks 6 and 7 the cross-references to those handbooks have now been changed. Sections 3.3, 3.4 and 3.5 are amended as shown below to include the new cross-references. There are no changes to any other part of section 3.

3.3 Safe system of work where all lines are blocked (safeguarded)

Before you can treat your safe system of work as safeguarded, you must agree with the ES or SWL that:

- there will be no train or OTP movements at your site of work, or
- if there are train or OTP movements at your site of work, they will be made at no greater than 5 mph (10 km/h).

You must make sure that any other line at your site of work that is not inside the work site is blocked as shown in section 4.2 of handbook 6 or 4.3 of handbook 7.

3.4 Safe system of work using a safety barrier (fenced)

Before you can treat your safe system of work as fenced, there must be a safety barrier as described in section 3.3 of handbook 6 or section 6.5 of handbook 7 between your site of work and any open line.

You must also:

- reach a clear understanding with the ES or SWL that there will be no train or OTP movements at your site of work, or
- if there are train or OTP movements at your site of work, they will be made at no greater than 5 mph (10 km/h).

3.5 Safe system of work (separated)

Before you can treat your safe system of work as separated, you must carry out the instructions shown in section 6.6 of handbook 7 for any adjacent open line.

You must also:

- reach a clear understanding with the ES or SWL that there will be no train or OTP movements at your site of work, or
- if there are train or OTP movements at your site of work, they will be made at no greater than 5 mph (10 km/h).

A person acting as an IWA cannot use a site warden as part of this safe system of work.

Module TS1 General signalling regulations

Explanation of change
The module published in September 2024 incorrectly included a change to regulation 12.1 which it was finally decided would not be progressed. The wording of this regulation will now revert to that previously published, as shown below. There are no changes to any other part of regulation 12.

12.1 When this general signalling regulation must be used

You must carry out this regulation if you are told that a train cannot be signalled normally because a track circuit actuator (TCA) on the train has become defective.

You must pass on the details to the next signaller who is to signal that train.

Handbook RS524 List of Dangerous Goods and their United Nations numbers

Table 1

Explanation of change
The 2025 RID regulations include a number of changes to the details of UN numbers which are as shown below.

Amend: the following as shown:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
1835	Tetramethylammonium hydroxide aqueous solution	8		II, III
2870	Aluminium borohydride in devices	4.2	4.3	
3165	Aircraft hydraulic power unit fuel tank (containing a mixture of anhydrous hydrazine and methyl hydrazine) (M86 fuel)	3	6.1 8	
3292	Batteries containing metallic sodium or sodium alloy cells, containing metallic sodium or sodium alloy	4.3		
3423	Tetramethylammonium hydroxide solid	6.1	8	I

Add: the following new entries:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
3551	Sodium ion batteries with organic electrolyte	9		
3552	Sodium ion batteries contained in equipment or sodium ion batteries packed with equipment, with organic electrolyte	9		
3553	Disilane	2.1		
3554	Gallium contained in manufactured articles	8		
3555	Trifluoromethyltetrazole-sodium salt in acetone, with not less than 68% acetone, by mass	3		II
3556	Vehicle, lithium ion battery powered	9		
3557	Vehicle, lithium metal battery powered	9		
3558	Vehicle, sodium ion battery powered	9		
3559	Fire suppressant dispersing devices	9		
3560	Tertramethylammonium hydroxide aqueous solution with not less than 25% tetramethylammonium hydroxide	6	8	I

Part E - Amendments summary

GERT8000 Rule Book

Module, Issue and Section amended	Number	Published
Handbook RS523 GSM-R Handbook, Issue 1, Section 8.4	02/18	June 2018
Various modules and handbooks	01/22	December 2022
Various modules and handbooks	02/22	December 2022
Handbook RS524 List of Dangerous Goods and their United Nations numbers, issue 1, table 1	03/23	March 2023
GERT8000-HB9, issue 8, IWA or COSS setting up safe systems of work within possessions, sections 3.3 to 3.5	01/24	December 2024
GERT8000-TS1, issue 18, General signalling regulations, regulation 12.1	02/24	December 2024
Handbook RS524 List of Dangerous Goods and their United Nations numbers, issue 1, table 1	03/24	December 2024

Miscellaneous Instructions

CONTACTING SIGNAL BOXES and GSM-R SIGNAL BOXES/PANELS

The telephone numbers shown below must be used if it is necessary to contact a signal box.
These numbers may only be used in connection with essential messages regarding train operations or in case of emergency.
Note: GSM-R calls and messages will be diverted to another signal box/panel if:

- The signal box has closed ('switched out') while the line remians open
- The panel/workstation is unstaffed during 'Light Duty Working'

Signal Box	Prefix	External No	Internal No	GSM-R No
Arundel	AR	01273 228303	00 68303	74 3303 01
Ashford Integrated Electronic Control Centre (IECC) Signaller Shift Manager	AD	0330 8531350	085 31350	74 2250 01
Workstation 1 *(Elmstead Woods - Hildenborough)*	AD	0330 8531285 0330 8531286	085 31285 085 31286	74 2253 01
Workstation 2 *(Hildenborough to Staplehurst including Tonbridge to Godstone and Paddock Wood to Beltring)*	AD	0330 8531287 0330 8531288	085 31287 085 31288	74 2254 01
Workstation 3 *(Ashford to Rye)*	AD	0330 8531289 0330 8531290	085 31289 085 31290	74 2255 01
Workstation 4 *(Staplehurst to Westenhanger)*	AD	0330 8531291 0330 8531305	085 31291 085 31305	74 2256 01
Workstation 5 *(Westenhanger to Folkestone/Eurotunnel interface)*	AD	0330 8531292 0330 8531306	085 31292 085 31306	74 2257 01
Ashford (CTRL) Shift Manager	AF	01233 739410 01233 739411	085 39410 085 39411	74 2004 02
Aylesford	AF	0330 8561742	085 61742	74 2209 01
Barnham	BH	01273 228354	00 68354	74 3307 01
Basingstoke Dorset Coast	PW	01256 490010	075 0010/19	74 4208 01
Basingstoke East Signaller	BE	01256 478756	07 50186	74 4205 01
Basingstoke West Signaller	BE	01256 478758	07 50193	74 4206 01
Basingstoke West of England Panel	SE	01256 490006	07 50006	74 4207 01
Bognor Regis	BR	01273 228358	00 68358	74 3309 01
Basingstoke Rail Operating Centre	BEF			
BROC Shift Manager	BEF	0330 8543011	085 43011	74 3370 01
Strawberry Hill Workstation 1 *(Norbiton/Shepperton to Strawberry hill including depot)* *(Richmond to Whitton)*	BEF	0330 8543012	085 43012	74 3371 01

CONTACTING SIGNAL BOXES and GSM-R SIGNAL BOXES/PANE- Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Ascot Workstation 3 **(Rusham CCTV to Earley) (Virginia Water to Addlestone) (Ascot to Frimley)** *) (Farnborough North to Wokingham Junction)*	BEF	0330 854013	085 43013	74 4103 01
Level Crossing Workstation 1 *(Chertsey CCTV Grove Park CCTV Wood Lane CCTV Star Lane CCTV Wokingham CCTV*	BEF	0330 8543016	085 43016	
Bo Peep Junction	BJ	01233 651119	00 71119	74 3299 01
Bo-Peep Signal Box Telephone Line		03308561922	08561922	
Bournemouth	BC	01202 295893	075 3332	74 4213 01
Brockenhurst	BH	01590 623800	075 8704	74 4212 01
Canterbury West	EDH	0330 8553184	085 53184	74 2217 01
Canterbury Wye Area Control Centre	EBT	0330 8553191	085 53191	74 2222 01
Charlton Lane (crossing box)		0330 8531222	08531222	N/A
Chichester	CC	01273 228360	00 68360	74 3310 01
Cuxton	CX	0330 8553556 0330 8553589	085 53556 085 53589	74 2207 01
Deal	EBZ	0330 8526920 0330 8526908 0330 8529927	085 56920 085 26908 0852 9927	74 2221 01
Dorchester South	DR	01305 262483	085 28317	74 4201 01
Dorking	CBK	01483 804648 01483 804618	00 64648 00 64618	74 3300 01
East Farleigh	EF	0330 8561744	085 61744	74 2211 01
East Kent Signalling Centre (EKSC)				
Signaller Shift Manager	EK	0330 8553593	085 53593	74 2230 01
Ramsgate Workstation – *Minster East Junction (excl) to London side of Birchington-on-Sea*	EK	0330 8553600	085 53600	74 2232 01
Faversham Workstation – *London side of Birchington-on-Sea/Buckland Junction (excl) to Sittingbourne (excl)*	EK	0330 8553599	085 53599	74 2231 01
Rochester Workstation – *Longfield (excl/Higham (incl) to Chatham Station*	EK	0330 8553585	085 53585	74 2234 01
Sittingbourne Workstation – *Chatham Station (excl) to Sittingbourne (incl) Sheerness branch (complete)* ***Note:*** *Signal prefix on the Sheerness branch between Middle Junction (excl) and Sheerness is* ***EV***	EK EV	0330 8553539	085 53539	74 223301
Eastleigh, Signaller Shift Manager		02380 612142	075 7202	74 4224 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Panel 1 – Worting Jn (excl) – Southampton Parkway, Hedge End to Eastleigh	E / EH	02380 728875	075 8875	74 4220 01
Panel 2 – (St Denys End) Southampton Parkway (excl) to Northam (incl) Northam to Southampton Eastern Docks	E	02380 728890	075 8890	74 4221 01
Panel 2 (Southampton / Fareham End) – *Northam (excl) to Southampton (incl), Fareham to Hedge End / St Denys*	E	02380 728890	075 7251	74 4222 01
Panel 3 – *Dunbridge (excl) to Millbrook, Ashust New Forest / Marchwood to Redbridge, Southampton Western Docks*	E	02380 728894	075 8894	74 4223 01
FAX			075885	
Exeter	E	01392 210873	07 66410 07 66411 07 66412	
Exmouth Jn	EJ	01392 412764	07 66311	
Farncombe	WZ	01483 416021	00 67658	74 4209 01
Feltham, Signaller Shift Manager *Barnes Bridge - Feltham* *Feltham - Staines - Windsor*	F Panel 2 Panel 3 Panel 4	0208 890 4289 0208 831 1731 0208 831 1751 0208 831 1771	00 69713 00 69731 00 69751 00 69771	74 4118 01 74 4101 01 74 4102 01 74 4103 01
Folkestone East	YE	0330 8526924	085 26924	74 2218 01
Guildford ASC	GD	01483 302311		
Guildford (North end) to Worplesdon/ Bookham/Farnborough North *Guildford (South end) to Farncombe/Gomshall*			00 67726 00 67727	74 4110 01/ 74 4111 01
Haslemere	EW	01428 651748	00 67661 00 67663	74 4210 01
Hastings	EDL	0330 8529822 0330 8529831	085 29822 085 29831	74 2223 01
Havant ASC				
Havant Workstation (Petersfield exc/ Emsworth/ Fareham exc to Hilsea)	HT	023 8075 6181	07 56181	74 4225 01
Portsmouth Workstation (Hilsea exc to Portsmouth Harbour)	HT	023 8075 6185	07 56185	74 4226 01
Lancing				
Panel 1 (Hove to East Worthing)	LG	01903 763937	00 60015	74 3311 01
Panel 2 (East Worthing to Angmering)	LG	01903 763937	00 60016	74 3312 01
Panel 3	LG	01903 763937	00 60018	
Littlehampton	LH	01273 228307	00 68307	74 3308 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Littlehaven (Crossing box)		01273 784750	00 60750	
Maidstone East	ME	0330 8531321	085 31321	74 2202 01
Maidstone West	MS	0330 8561756 0330 8561757	085 61756 085 61757	74 2210 01
Marchwood	MW	02380 728028	075 8028	74 4230 01
Minster	EBE	0330 8526333	085 26333	74 2215 01
New Cross Gate, East London Line Signalling Control Centre	EL	02033566773	067-66773	74926601
North Kent (Ashford IECC) **North Kent 1** (Woolwich/ Falconwood / Mottingham to Dartford)	NK	0330 8531314	085 31314	74 2251 01
North Kent 2 Dartford /Higham / Grain single line	NK	0330 8531320	085 31320	74 2252 01
Oxted	OD	01883 716293	00 64150	74 3279 01
Petersfield	PF	01730 264679	00 67237	74 4211 01
Reigate	RG	020 7928 5151	00 64786	74 3301 01
Robertsbridge	RB	0330 8529912	085 29912 085 31543	74 2224 01
Rye	RY	0330 8531278	085 31278	74 2219 01
Salisbury	SY	01722 329480	075 5111 / 075 8547	74 4218 01
Sandwich **Sandwich Signal Box Fax Line**	SW	03308529963 0330 8526906 03308529929	08529963 085 26906 08529929	74 2220 01
Sturry	ST	0330 8553183	085 53813	74 2216 01
Swindon 'B'	SB	01793 480946	07 75573	

Miscellaneous Instructions - Continued

Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Three Bridges Rail Operating Centre (TBROC)				
TBROC TULSE HILL WORKSTATION **(**Between Birkbeck, Bromley Jn and Streatham Hill via Crystal Palace)	**TVC**	**0330 857 5007**	**085 75007**	**74 3105 01**
Shift Signalling Manager (Kent)		01293 621368	085 75368	74335501
Shift Signalling Manager (Sussex)		01293 621350	085 75350	74335501
Shift Signalling Manager (Victoria Central)		0330 8575001	08575001	74310801
TBROC East Sussex Workstation Glynde – Eastbourne & Willingdon Jn to West St Leonards	TEB	01293 621 351	085 75351	74 333001
TBROC Lewes Workstation Cooksbridge/Lewes to Seaford	TLW	01293 621354	085 75354	74 333000
TBROC Cannon Street "A" Workstation Cannon Street to London Bridge	TL	01293 621360	085 57360	74 332901
TBROC Cannon Street "B" Workstation London Bridge to New Cross/	TL	01293 621361	085 57361	74 333301
TBROC Lewisham Workstation New Cross to Lewisham	TL	01293 621364	085 57364	74 333501
TBROC Angerstein Workstation **Deptford/Lewisham to Woolwich Arsenal/Eltham**	TL	01293 621393	085 75393	74 333901
TBROC Grove Park "A" Workstation Lewisham to Hayes/Hither Green (excl)	TL	01293 621370	085 75370	74 333601
TBROC Grove Park B Workstation Hither Green to Grove Park (Incl Bromley North Branch)	TL	01293 621371	085 75371	74 333801
TBROC 3A London Bridge Central Workstation London End Bricklayers Arms Jn/South Bermondsey Stn to London Bridge Station	TL	01293-621363	085 75363	74 3331 01
TBROC 3B London Bridge Central Workstation Country End Anerley/East Dulwich to Bricklayers Arms Jn/South Bermondsey Stn	TL	01293-621366	085 75366	74 3332 01
TBROC Charing Cross Workstation London Bridge to Charing Cross station	TL	01293 621362	085 75362	74 3327 01
TBROC Thameslink Core South Workstation Farringdon (incl) to Loughborough Junction (excl)	TVS	01293 621369	085 75369	74 3326 01
TBROC Thameslink Core Central Workstation Farringdon (excl) to Kentish Town (excl) and Camden Road tunnels to St Pancras High Level platforms	TWH	01293 621367	085 75367	74 3325 01
TBROC Streatham Workstation Between Balham Jn (excl) and Norbury Between Tulse Hill (excl) and Streatham South Jn Between Streatham South Jn and Tooting Down & Up Slow Spurs Down & Up Streatham Spurs Reversible Fast Spur	TVC	01293 621352	085 75352	74 3328 01
TBROC Sutton Workstation Wallington/Mitcham Eastfields/ Epsom downs to Sutton Sutton to Cheam/ Haydons Road (Incl Wimbledon P9)	TVC	01293 621353	085 75353	74 3106 01
TBROC Victoria Central Workstation *(Battersea park to Victoria P9-19)*	TVC	0330 8575003	085 75003	74 3102 01
TBROC Victoria Eastern Workstation *Between Battersea Pier Jn (Eastern lines) and Victoria, platforms 1-8)*	TVS	0330 8575006	085 75006	74 3107 01
TBROC Clapham Workstation *(Between Wandsworth Common and Battersea Park and between Latchmere Jn and North Pole Jn.)*	TVC	0330 8575004	085 75004	74 3103 01
TBROC Balham Workstation *(Between Wandsworth Common and Balham Jn and between Streatham Hill station and Balham station)*	TVC	0330 8575005	085 75005	74 3104 01

Miscellaneous Instructions - Continued

Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

Three Bridges Area Signalling Centre (TBASC)	T			
Shift Signaller Manager Desk 1	T	01293 621384	00 61759	74 3289 01
Shift Signaller Manager Desk 2	T	01293 621385	00 61758	74 3289 01
Panel 1a *(Norwood Junction to Norwood Fork Junction)*	T	01293 621374	00 61751	74 3280 01
Panel 1b *(Windmill Bridge Junction/Cottage Junction to South Croydon South Croydon to Upper Warlingham)*	T	01293 621375	00 61760	74 3281 01
Panel 1c *(Thornton Heath to Selhurst.* *Norwood Fork Junction (excl) to West Croydon)*	T	01293 621376	00 21002	74 2102 01
Panel 2 *(South Croydon (excl) to south of Stoats Nest Jn on the Quarry lines and to Coulsdon South on the Redhill lines. and Purley to Caterham/Tattenham Corner)*	T	01293 621377	00 61752	74 3283 01
Panel 3 *(Quarry Tunnel/Merstham Tunnel (incl) to Salfords (incl). Redhill to Godstone)*	T	01293 621378	00 61753	74 3284 01
Panel 4 *(Horley (incl) to Balcombe Tunnel Jn (incl) and* *Three Bridges to Crawley)*	T	01293 621379	00 61754	74 3285 01
Panel 5 *(Balcombe Tunnel Jn (excl) to Patcham Tunnel (incl). Keymer Jn to Plumpton (incl). Ardingly Branch)*	T	01293 621380	00 61755	74 3286 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

Signal Box	Prefix	External No	Internal No	GSMR No
Panel 6 *(Patcham Tunnel (excl) to Brighton/Hove).* *Brighton to Falmer*	T	01293 621381	00 61756	74 3287 01
Panel 7 *Horsham station area (Billingshust (exclusive) and Three Bridges (exclusive)*	T		00 61778 00 61772	74 3288 01
Panel 7a	T	01293 621382		
Panel 7b	T	01293 621383		
Tonbridge	PE	0330 8531542	085 31542	74 2200 01
Victoria Area Signalling Centre (VASC)				
Victoria (SE) Signaller Shift Manager	VS	020 7228 5370	00 25127	74 3101 01
(Battersea Park to Victoria, platforms 9-19)				
Panel 7 *(Between Linford St Jn and Brixton Jn and Canterbury Road Jn (main line)* *Between Latchmere Jn and Factory Jn and Shepherds Lane Jn. Lines via Stewarts Lane including depot)*	VS	0330 8553307	08553307	74 3109 01
Panel 8 *(Between Ravensbourne and Loughborough Jn via Nunhead (Catford Loop)* *Between Shepherds Lane Jn and Peckham Rye on the Atlantic Lines)*	VS	0330 8553308	08553308	74 3110 01
Panel 9 *(Between Beckenham Jn and Herne Hill via main line)*	VS	0330 8553309	08553309	74 3111 01
Panel 10 *(Between Bat and Ball/Kemsing and Swanley via Otford. Between Longfield and Ravensbourne via Swanley,* *Bickley / Bromley South)and Shortlands*	VS			74 3112 01/ 74 3113 01
Panel 10A		03308553310	08553310	
Panel 10B		03308553312	08553312	
Wateringbury	WB	0330 8531445	013 7746	74 2212 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

Signal Box	Prefix	External No	Internal	GSM-R No
Westbury *- Lavington (excl.) to Fairwood Jn (incl.) via* *Westbury station or Westbury avoiding line,also Heywood Road Jn to Bradford-on-Avon (incl.),also Hawkeridge Jn to Warminster (incl.) and Fairwood Jn (incl.), also Thingley Jn (excl.) to Bradford Jn - Fairwood Jn (excl.) to Somerton Tunnel (incl.),Yeovil Pen Mill(excl.), Merehead and Cranmore via Frome station or Frome avoiding line; also Frome North Jn to Whatley Quarry-*	W	01373 826518	07 47212/3 07 47214 / 5	
Wimbledon, Signaller Shift Manager *W'loo pl. 1-14 & Main line - Clapham Junction W'loo pl. 15-24 & Windsor lines to Putney Clapham Junction - Berrylands Kingston - Putney Bridge Wimbledon (Including LUL) Raynes Park (excl) - Boxhill - Bookham Ewell East - Chessington Putney - North Sheen, Barnes - Chiswick*	W Panel 1 Panel 2 Panel 3 Panel 4 Panel 5	020 8540 1901 020 8545 5521 020 8545 5522 020 8545 5523 020 8545 5524 020 8545 5525	00 62525 00 62254 00 62521 / 62311 00 62522 / 62212 00 62523 / 62263 00 62524 / 62214 00 62576	 74 4112 01 74 4112 01 74 4113 01 74 4114 01 74 4115 01 74 4116 01
Wimbledon *Duty Shift Manager*	W	020 8540 1901	00 62525 00 62254 00 62226	74 4117 01
All Desks	W		00 62345	
Panel 2 *(Waterloo International to Clapham Jn.)*	W	020 8545 5522	00 62522 00 62212	
Woking *-West Byfleet (incl) to Farnborough (excl), Woking Jn to Worplesdon and Pirbright Jn to Ash Vale (excl)* *Berrylands to West Byfleet (excl), Chertsey (excl) to Weybridge and Addlestone Jn to Byfleet Jn* *Hampton Court Jn to Hampton Court/ Cobham*	WK	01483 714898	00 69410 00 69420	74 4108 01 74 4109 01
Woking Panel 3 Ash Vale to Alton Aldershot South Junction (excl) Ash Vale to Frimley		01483 749469	00 69469	74 4121 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

WASC LOMs Office		033085 29522	085 29522	
Woking ASC 1st Flr Ops Rm back desk Tel		033085 29512	085 29512	
Woking ASC D/L to Eastleigh ECR		033085 29508	085 29508	
Woking ASC Pan 1 DL to Raynes Pk ECR		033085 29555	085 29555	
Woking ASC Pan 1 DL to Cntrl B/stoke		033085 29505	085 29505	
Woking ASC Pan 3 DL to Cntrl B/stoke		033085 29531	085 29531	
Woking ASC Pan 3 DL to Eastleigh ECR		033085 29559	085 29559	
Woking ASC Panel 1 Ops Tel		033085 29459	085 29459	
Woking ASC Panel 2 Tel		033085 29532	085 29532	
Woking ASC Panel 3 Ops Tel		033085 29598	085 29598	
Woking CRE portacabin EMP desk		033085 29468	085 29468	
Woking MOMS Office Woking Box		033085 29465	085 29465	
Woking SB Electrical Switch Room Tel		033085 29517	085 29517	
Woking Signal Box Fax		033085 29488	085 29488	
Woking Signal Box Plant desk ETD		033085 29506	085 29506	
Woking Signal Box S&T Phone		033085 29526	085 29526	
Woking Signal Box Signalling Modem		033085 29504	085 29504	
Wokingham	WM	01189 892101	00 67418	74 4104 01
Yeovil Pen Mill	YPM	01935 471058	074 7333	74 4204 01

Miscellaneous Instructions - Continued

Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

SIGNAL BOX/PANEL - WESTERN	SIGNAL PREFIX	GSM-R CONTACT NUMBER
Thames Valley SC Shift Signalling Manager	-	74 5100 01
Thames Valley SC Paddington workstation GSM-R coverage area: Paddington to Acton West Jn (excl), Old Oak Common West to Park Royal Jn	SN	74 6100 01
Thames Valley SC Acton workstation GSM-R coverage area: Acton West Jn to Southall West Jn (excl), West Ealing Jn to South Greenford (excl), Hanwell to Drayton Green Jn	SN	74 6105 01
Thames Valley SC Hayes workstation GSM-R coverage area: Southall West Jn to Stockley Bridge Jn, Heathrow Branch to Terminals 4 & 5	SN	74 6106 01
Thames Valley SC Twyford workstation GSM-R coverage area: Reading Platforms 4, 5 & 6, Ruscombe to Kennet Loop, Twyford to Henley	TR DM UM	74 5105 01
Thames Valley SC Reading Station workstation GSM-R coverage area: Reading New Jn to Reading West Jn (excl) except Reading Platforms 4, 5 & 6	TR	74 5111 01
Thames Valley SC West Junction workstation GSM-R coverage area: Reading West Jn to Cholsey and Oxford Road Jn, Oxford Road Jn to Southcote Jn, Southcote Jn to Route Boundary and Drakes No2 LC	TR	74 5106 01
Thames Valley SC Newbury workstation GSM-R coverage area: Oxford Road Jn to Lavington	TR	74 5110 01
Thames Valley SC Didcot workstation GSM-R coverage area: Moreton Cutting to Challow, Didcot East Jn to Didcot North Jn, Foxhall Jn to Didcot West Curve Jn, Didcot West Jn to Radley (excl)	SB	74 5107 01

GSM-R – ELECTRICAL CONTROL ROOM (ECR) CONTACT NUMBERS – KENT/SUSSEX

ELECTRICAL CONTROL ROOM	GSM-R CONTACT NUMBER
ECO Brighton	74 4030 03
ECO Eastleigh	74 4042 03
ECO Raynes Park	74 4040 03
ECO Selhurst	74 4041 03

GSM-R – ROUTE CONTROL CONTACT NUMBERS – KENT/SUSSEX

NETWORK RAIL OPERATIONS CONTROL	GSM-R CONTACT NUMBER
Network Delivery Manager Kent Inner	74 3020 02
Network Delivery Manager Kent Outer	74 3021 02
Network Delivery Manager Sussex Inner	74 3030 02
Network Delivery Manager Sussex Outer	74 3031 02

GSM-R – ROUTE CONTROL CONTACT NUMBERS – WESSEX

NETWORK RAIL OPERATIONS CONTROL	GSM-R CONTACT NUMBER
Route Control Manager Wessex Inner	74 3040 02
Route Control Manager Wessex Outer	74 3041 02

GSM-R – ELECTRICAL CONTROL ROOM (ECR) CONTACT NUMBERS – WESSEX

ELECTRICAL CONTROL ROOM	GSM-R CONTACT NUMBER
ECO Eastleigh	74 4042 03
ECO Raynes Park	74 4040 03

Miscellaneous Instructions - Continued
NETWORK RAIL ELECTRICAL CONTROL ROOMS

CONTROL ROOM	EMERGENCY LINE	INTERNAL NUMBER	EXTERNAL NUMBER	MOBILE (in emergency)
BRIGHTON	171	00 61284	01273 820050	07771 672803
CANTERBURY	175	085 41190 (Emergency) 085 41191 (Non-Emergency)	0330 854 1190 (Emergency) 0330 854 1191 (Non-Emergency)	07771 612364
EASTLEIGH	173	075 7547 075 7472	02380 613314	07771 830393
LEWISHAM	177	085 41070 (Emergency) 085 41071 (Non-emergency)	0330 854 1070 (Emergency) 0330 854 1071 (Non-emergency)	07771 612930
PADDOCK WOOD	172	08541075	03308541075	
ECO PADDOCK WOOD NON-EMERGENCY		08541076	03308541076	07771830372
RAYNES PARK	178	00-62900 00-62901	020 8545 5900	07771 613564
RUGBY	172 (London end) 177 (West Coast)	050-6422 050-6533	01788 555422	
SELHURST	179	00-66993	020 8653 6297	07771 830361

CROYDON TRAM LINK

020 8689 5613 (Emergency line) 020 8689 7251

CONTACTING LEWISHAM ELECTRICAL CONTROL ROOM

From immediate effect, unless you have a direct line or 'hotline', anyone wishing to speak to the LEWISHAM Electrical Control Room should use the following numbers:

Emergency – 085 41070 (External – 0330 854 1070)
Non-emergency – 085 41071 (External – 0330 854 1071)
Previous contact numbers will divert to the lines above, but incoming calls will not be identified with caller ID and could lead to you waiting longer to be answered.
Emergency short code (only from railway ETD) – 177 remains active.

Please ensure any mobile phones/speed dials are updated at the earliest opportunity.

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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 Up Slow	T20 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 Tonbridge	Up Tonbridge Down Tonbridge Down Godstone	T502 T495 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 Denmark Hill Shepherds Lane	Up Stewarts Lane Down Atlantic Down Atlantic	VS60 VS429 VS107	
SO650 Balham Jn to Beckenham Jn			
Balham Jn and Streatham Hill Station	Streatham Hill Up Sidings West	TVC155	Down Direction No phone provided
	Streatham Hill Up Sidings West	TVC156	Up Direction No phone provided
	Up Crystal Palace	TVC157	Down Direction No phone provided
	Streatham Hill Up Sidings West	TVC159	Down Direction No phone provided
	Streatham Hill Up Sidings East	TVC160	No phone provided
	Up Crystal Palace	TVC640	No phone provided
	Down Crystal Palace	TVC701	No phone provided
	Down Crystal Palace	TVC703	No phone provided

Streatham Hill Station	Up Crystal Palace	TVC705	Down Direction No phone provided
West Norwood Jn and Leigham Jn	Up Crystal Palace	TVC710	No Phone Provided
Tulse Hill South Jn and Leigham Jn	Up West Leigham Spur	TVC712	No Phone Provided
Tulse Hill South Jn and West Norwood Jn	Down West Norwood Spur	TVC715	No Phone Provided
Leigham Jn and Tulse Hill South Jn	Down Leigham Spur	TVC766	No Phone Provided
West Norwood Station and West Norwood JN	Up Crystal Palace	TVC716	No Phone Provided
West Norwood Jn and West Norwood Station	Down Crystal Palace	TVC717	No Phone Provided
Gipsy Hill and West Norwood Stations	Up Crystal Palace	TVC720 TVC722	No Phone Provided No Phone Provided
Crystal Palace Tunnel and Gipsy Hill station	Up Crystal Palace	TVC726	No Phone Provided
Crystal Palace and Gipsy Hill stations	Up Crystal Palace	TVC167 TVC728	No Phone Provided No Phone Provided
Gipsy Hill and Crystal Palace stations	Down Crystal Palace	TVC729	No Phone Provided
Sydenham and Crystal palace stations	Down Sydenham Spur	TVC738	No Phone Provided
Crystal palace station and Bromley Jn	Down Crystal Palace	TVC741	No Phone Provided
Bromley Jn and Crystal Palace station	Up Crystal Palace	TVC740	No Phone Provided
Birbeck Jn and Bromley Jn	Up Crystal Palace	TVC746	No Phone Provided
Birbeck and Beckenham Jn	Single	VS167	Down Direction
SO680 South Bermondsey Jn. to Horsham			
Uttley Jn and Old Kent Road Jn	Down South London	TL619	No Phone Provided
Queens Road Peckham and Peckham Rye Stations Peckham Rye	Up South London Down South London Up South London	TL624 TL625 TL636	No phone provided No phone provided No phone provided
Peckham Rye and East Dulwich stations	Down Portsmouth Up Portsmouth Down Portsmouth Up Portsmouth	TL629 TL630 TL631 TL634	No phone provided No phone provided No phone provided No phone provided
East Dulwich and North Dulwich stations	Down Portsmouth		
North Dulwich Station and Tulse Hill North Jn	Up Portsmouth Down Portsmouth	TVC754 TVC755	No phone provided No phone provided
Herne Hill and Tulse Hill stations	Down Holborn	TVC757 TVC759	No phone provided No phone provided
West Norwood Jn and Tulse Hill South Jn	Up West Norwood Spur	TVC770	No phone provided
Tulse Hill South Jn an Streatham Station	Up Portsmouth	TVC772	No phone provided
SO700 Streatham South Jn. to Sutton (via Wimbledon)			
Wimbledon West Jn	Up St Helier	VC851	Down direction

South East (Kent, Sussex, Wessex) Territory GI - Dated: 30/11/2024

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 Personnel asking for trains to be stopped form (NR 3178) 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 Personnel asking for trains to be stopped 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: 07/12/2024

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

Section 2 - Classification 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 SP, Section 2.2 '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: 30/11/24

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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

Method of Protection on Kent Sussex & Wessex Routes

The following methods of protection are authorised for operational activities on Kent, Sussex & Wessex Routes

Trackside Safe System of Work		
Description of the work required to be undertaken	Select Activity	Provide activities of the specific task
Carrying out the role of a Ground Frame Operator (AOD GFO)	Checking and securing points	*The GFO may check the lie of points and secure points with a clip/scotch provided that these activities are carried out after taking the ground frame release from the signaller so that the activities are protected by signals at danger and where a train is present, the GFO has confirmed with the driver that no further movement is to be made until authorised*
Carrying out the role of a pilot during single line working or pilotworking (AOD P1 and AOD P2)	Access/egress from train: subject to location assessment of safe access and egress and when not practicable to enable access at a station platform	*The pilot must meet a train at a designated trackside location to pass instructions and may travel on that train and exit at another designated location. This includes crossing 2 lines blocked by default to get to the pilot's signal after alighting from the train following its return to the right line. The pilot must wait for the train in a position of safety and must wait for it to stop before carrying out the tasks. The pilot must consider electrical safety risk and must only join or exit the train at a conductor rail gap or when the conductor rail is positioned on the opposite side of the train at point of entry/exit*
Carrying out the role of a handsignaller (AOD Handsignalling)	Displaying handsignal, passing instructions and TBW ticket to driver, placing/removing detonator from the line	*These tasks may be carried out provided that the signal the handsignaller has been appointed to is at Danger. A detonator may only be removed once the approaching train has stopped and before authorising further movement. The instructions to proceed must be given a safe distance from the train and the detonator must be replaced immediately that the train has passed*
Carrying out the role of a Level Crossing Attendant (AOD LXA)	Displaying handsignals, placing lamp/flag each side of the crossing at an AHB	*These tasks may be carried out provided that the method of working has been agreed with the signaller and local control of the level crossing has been taken. In addition, at an AHB the LXA must get confirmation that the signaller has placed signals to danger to prevent trains approaching*
Travelling to a site or leaving a site by train	A COSS/IWA travelling to a site or leaving a site by train	*The member of staff or team will normally travel either from or to a station; at the site they must alight and move to a position of safety before confirming with the driver that onward movement is safe. When returning they must wait for the train in a position of safety and must wait for it to stop before carrying out further activities. When carrying out subsequent tasks on or near the line, normal protection arrangements apply. The COSS/IWA must consider electrical safety risk and will only join or exit the train at a conductor rail gap or where the conductor rail is positioned on the opposite side of the train at point of entry/exit.*
Emergencies requiring urgent and immediate attendance: Using G1.3/TS2 4.1 emergency protection to gain control of a site	In an emergency G1.3/TS2 4.1 emergency protection can be used in accordance with the Rule Book but must only be used to gain control of circumstances at site and must be converted to planned protection at the earliest opportunity	*A responder deployed to an incident or emergency may take immediate action to support the emergency services and protect / preserve life. The responder must confirm that trains have been stopped in the incident area protected by emergency signal protection, or that trains are running at caution in accordance with the Rule Book. The responder must confirm with the signaller which lines are blocked and which are at caution.*

Kent / Sussex Route GI - Dated: 22/11/2024

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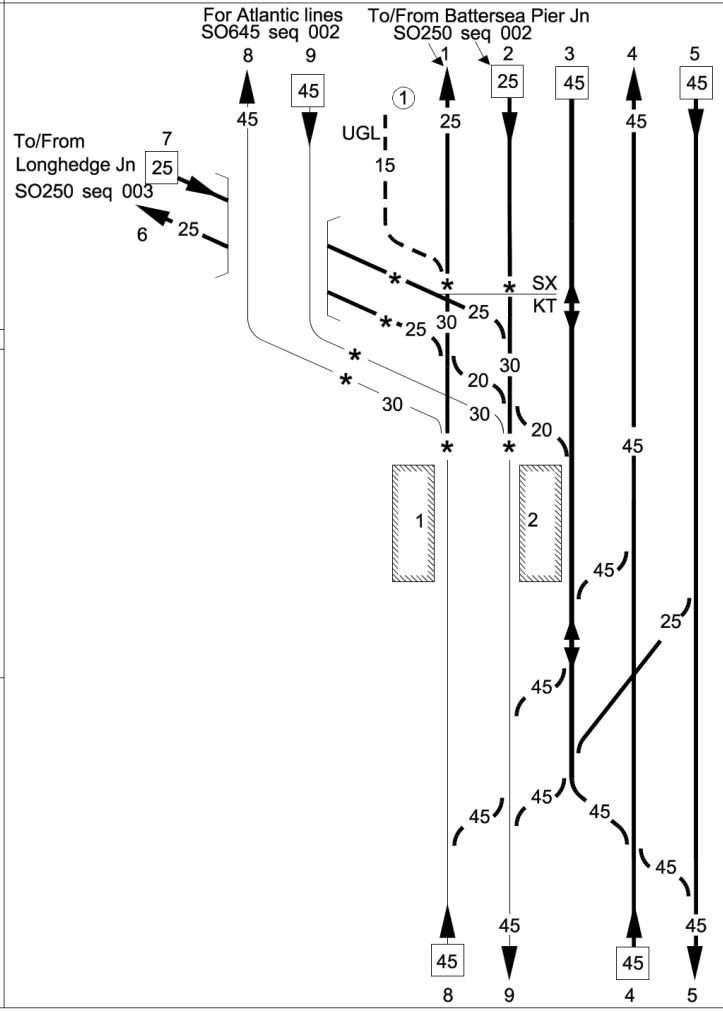
316	05 March 2022
317	03 September 2022
317A	03 September 2022
317B	03 September 2022
318	03 September 2022
318A	03 March 2018
318B	03 March 2018
319	03 March 2018
320	03 March 2018
321	03 September 2011
322	03 September 2011
323	02 June 2018
324	02 June 2018
325	02 June 2018
325A	02 June 2018
325B	05 June 2021
326	05 June 2021
327	02 December 2023
328	02 December 2023
329	04 March 2023
329A	04 March 2023
329B	03 March 2018
330	03 March 2018

Page	Date Last Changed
331	02 March 2019
332	02 March 2019
332A	05 March 2022
332B	05 March 2022
333	07 December 2024
334	07 December 2024
335	04 June 2016
336	04 June 2016
337	04 June 2016
338	04 June 2016
339	04 June 2022
340	04 June 2022
341	07 March 2015
342	07 March 2015
343	03 March 2018
344	03 September 2022
345	03 September 2022
346	03 September 2022
347	03 September 2022
348	03 September 2022
349	02 December 2023
350	02 December 2023
351	02 December 2023
352	02 December 2023

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

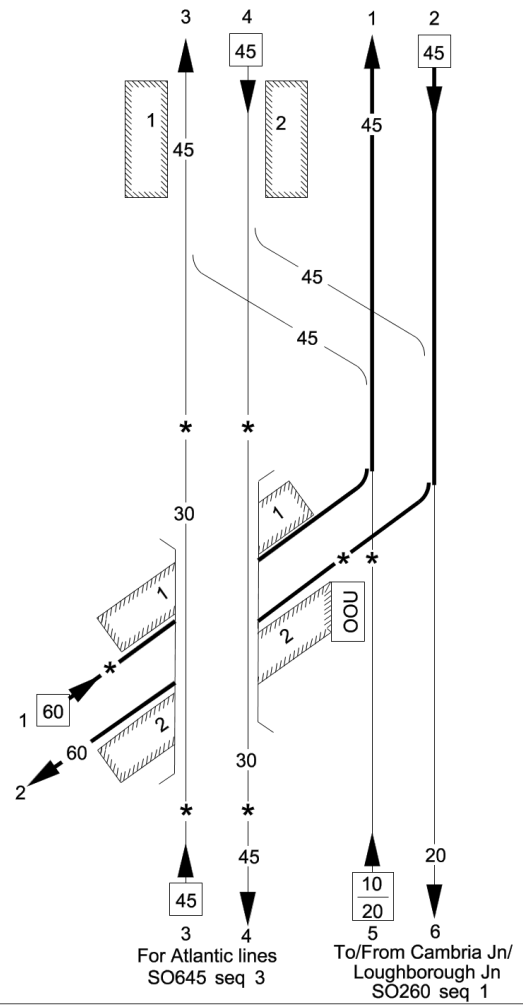
A.W.S not provided for emergency and temporary speed restrictions.

(1) Not permissive

SX = SUSSEX
KT = KENT

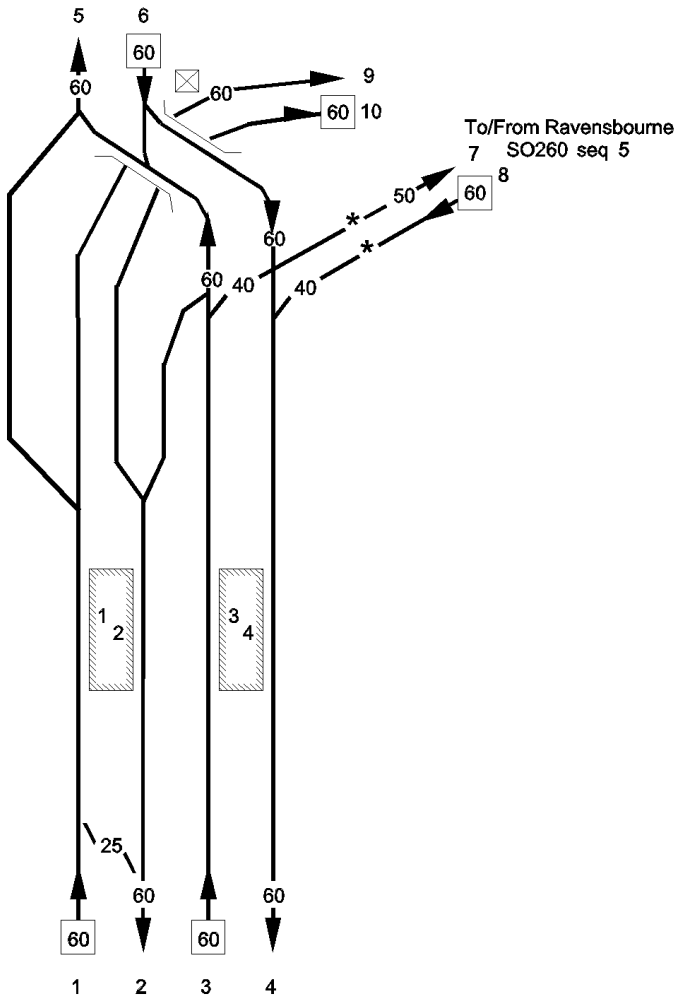
1 Up Stewarts Lane
2 Down Stewarts Lane
3 Chatham Reversible
4 Up Chatham Main
5 Down Chatham Main
6 Down Ludgate
7 Up Ludgate
8 Up Atlantic
9 Down Atlantic

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	004	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Victoria SB (VS) RA8 DC: Lewisham GSM-R
CLAPHAM HIGH STREET	2 25 (6 21)		A.W.S not provided for emergency and temporary speed restrictions. CTLP-KNT-Kent-67-VIR-02m48.5ch
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	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	
	(10 62)		
	(10 67) *		
Shortlands Jn	9 57		
	(10 73)		
	9 78		
	(0 48)		
SHORTLANDS	10 03		
	10 60		



GSM-R

TCB Victoria SB (VS)
RA8 DC: Lewisham

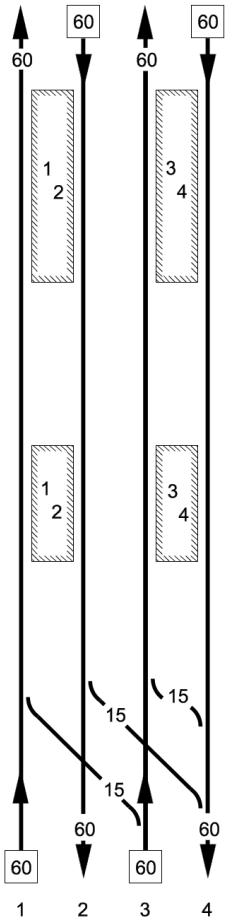
PLOD at 0m 24ch
(Up Ravensbourne Chord Cess)

0m 00ch - 0m 48ch
mileage for Ravensbourne Chord lines
(Area covered by PLOD)

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	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Victoria SB (VS) RA8 DC: Lewisham GSM-R
BROMLEY SOUTH	10 71		
Bromley South TP Hut	11 21		CTLP-KNT-Kent-45-VIR-11m54.5ch
BICKLEY	11 76		

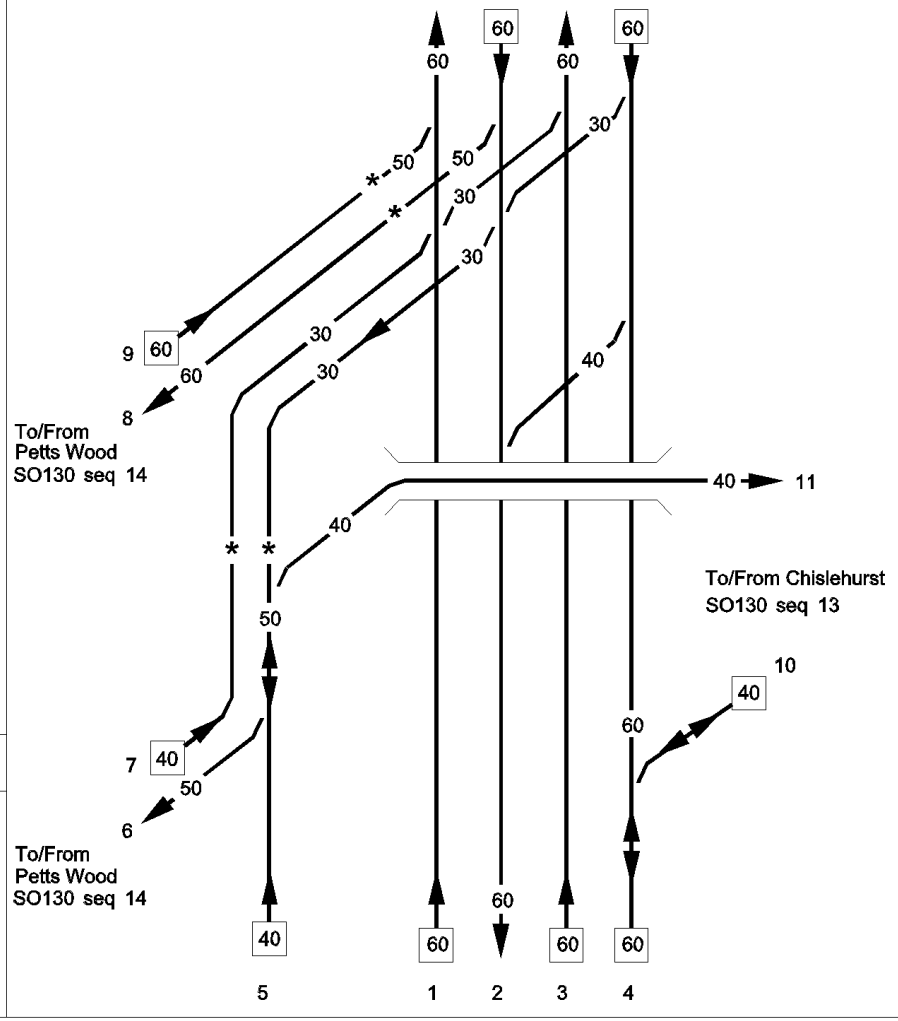


1 Up Chatham fast
2 Down Chatham fast
3 Up Chatham Slow
4 Down Chatham Slow

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
Bickley Jn	12 38
	(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)

Running lines & speed restrictions



Signalling & Remarks

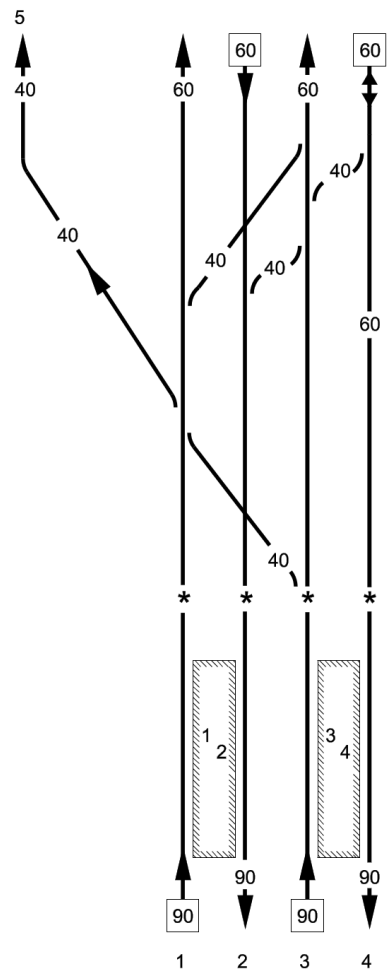
GSM-R

TCB	Victoria SB (VS)
RA8	DC: Lewisham

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

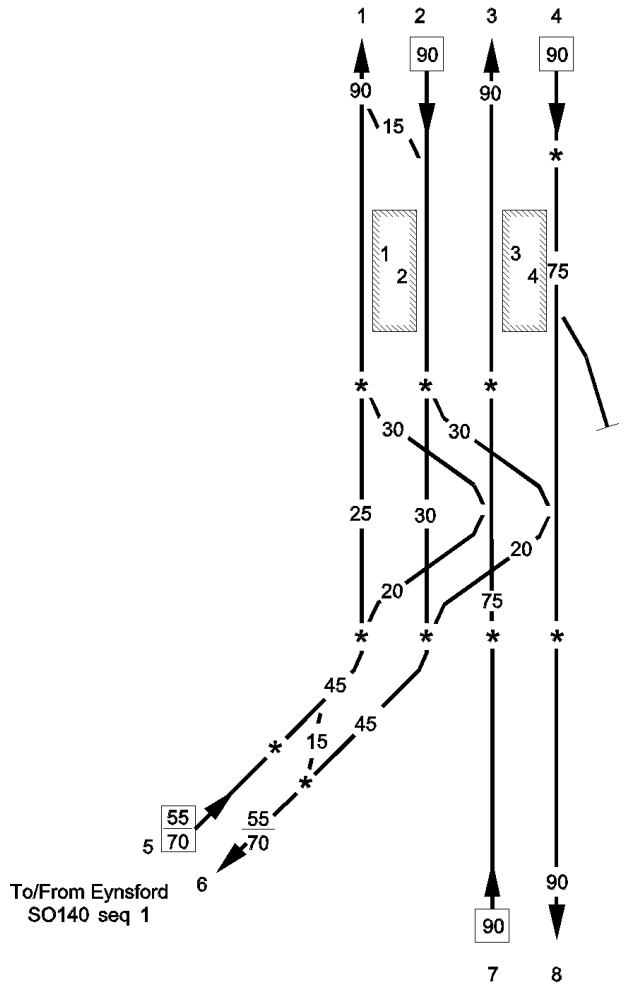
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	012	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR CSM3	Kent / Sussex	18/01/2025

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 CTLP-KNT-Kent-39-VIR-14m41ch
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



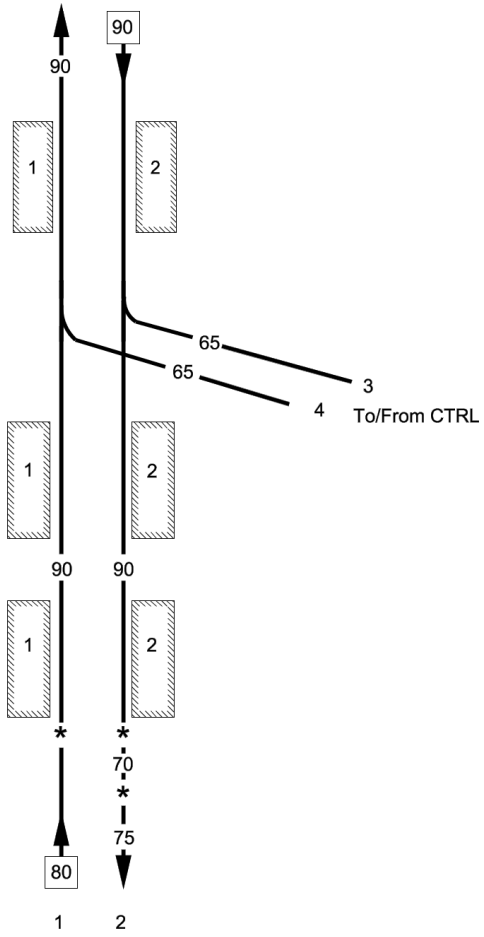
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	013	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR SBJ	Kent / Sussex	19/03/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Wheelchex on UF and US line	16 08		TCB Victoria SB (VS) RA8 DC: Paddock Wood GSM-R
	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	18/01/2024

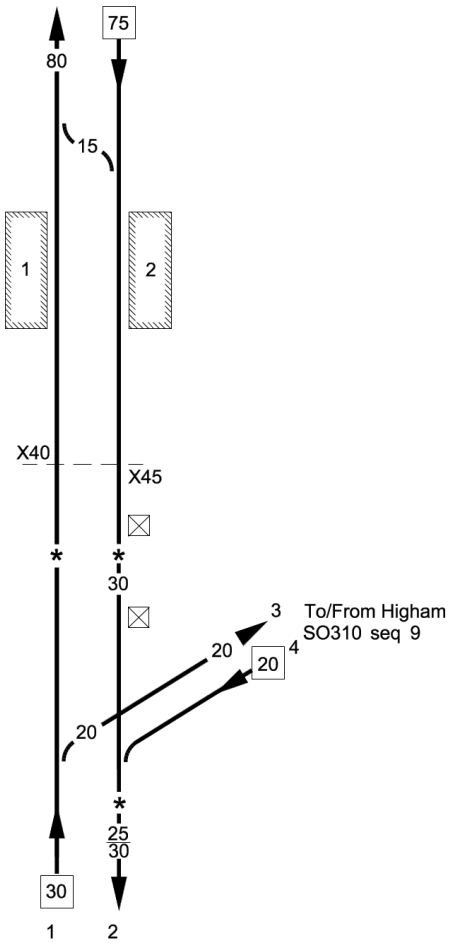
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB Victoria SB (VS) RA8 DC: Paddock Wood GSM-R
Tweed Hill Substation	19	16		
FARNINGHAM ROAD	20	41		
Darenth Substation	20	78		
Fawkham Junction	22	49		
Fawkham Substation	22	59		CTLP-KNT-Kent-42-FJS-22m1401yds GSM-R East Kent Signalling Centre (EK)
LONGFIELD	23	30		
Hartley Substation	24	36	T	(BLUEBELL HILL 30) CTLP-KNT-Kent-04-VIR-24m58ch Axle Counter area 24m 04ch
MEOPHAM	25	76		
	26	00 *		
Meopham Substation	26	02		
	26	20 *		



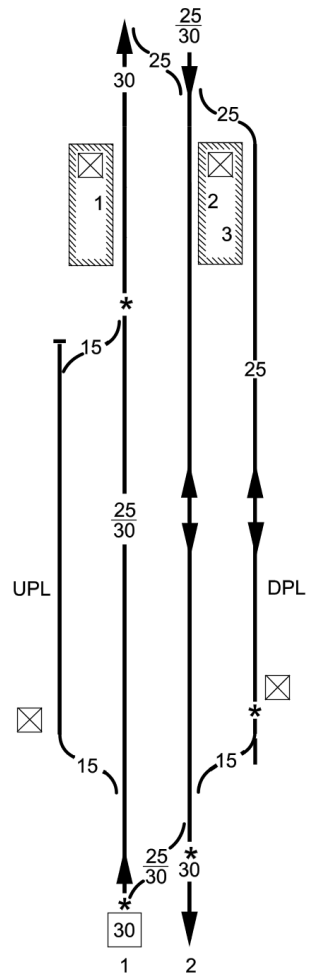
1 Up Chatham Main
2 Down Chatham Main
3 Down Waterloo Connection
4 Up Waterloo Connection

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	015	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR HDR	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood GSM-R
SOLE STREET	26 71		
Cobhambury TP Hut	27 56		CTLP-KNT-Kent-02-VIR-28m25ch
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

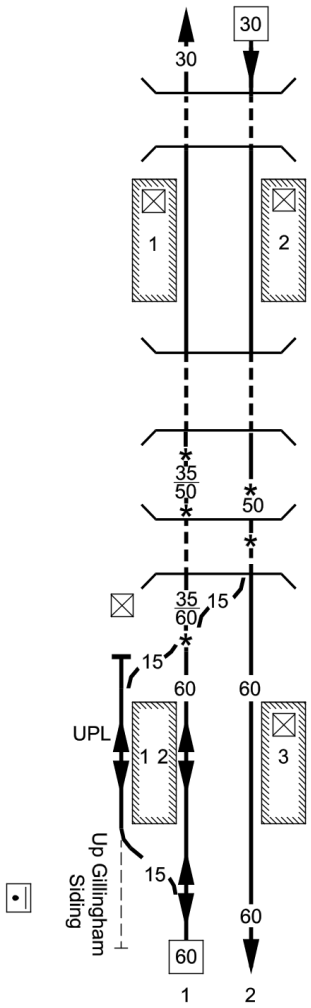


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	016	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	03/03/2018

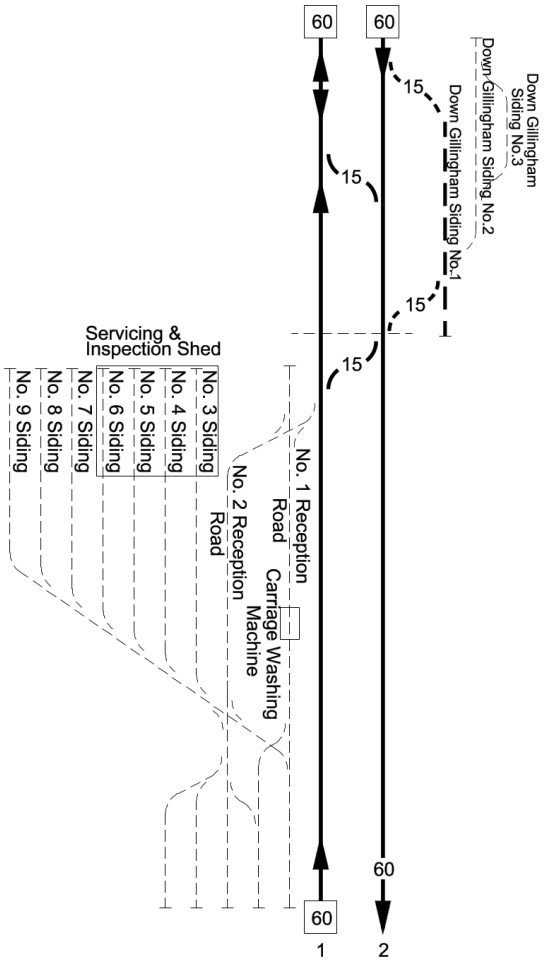
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood GSM-R
ROCHESTER	33 34		LOD (T) Areas 9003/9005/9007 LOD (T) Areas 9004/9006 Platform 3 PP-A (Down direction) Also permitted for platform sharing during times of significant service interruption
	33 44 *		
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

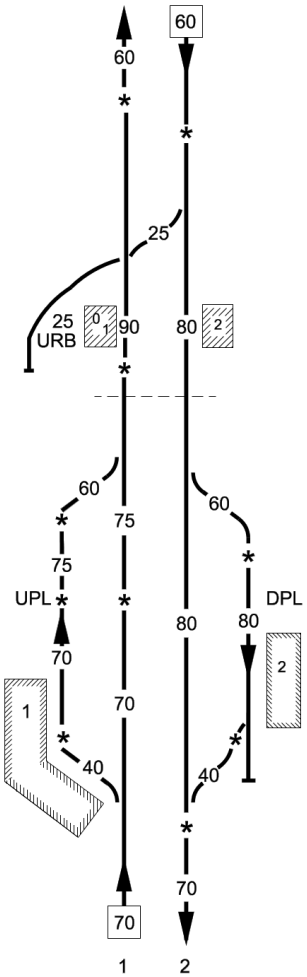


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	018	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	18/01/2025

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood GSM-R
Gillingham LC (CCTV)	36	17		
Gillingham Substation	36	18		Axle Counter Area 36m 35ch CTLP-KNT-Kent-03-VIR-36m58ch 1 Up Chatham 2 Down Chatham

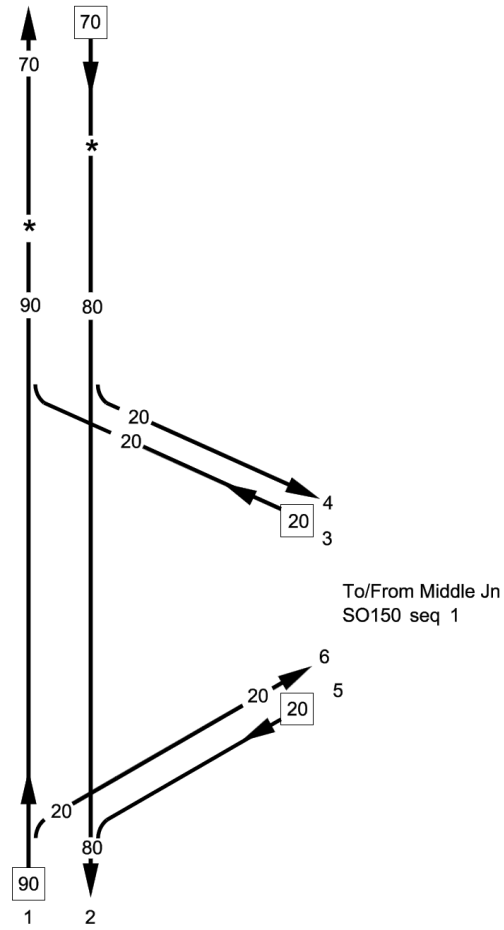
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	019	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	18/01/2025

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB East Kent Signalling Centre (EK) RA8 DC: Paddock Wood — GSM-R
	36	66 *		
	36	70 *		
Twydall TP Hut	37	61		CTLP-KNT-Kent-28-VIR-37m48ch CTLP-KNT-Kent-29-VIR-38m28ch
RAINHAM	38	74		URB Up Rainham Bay Platform 0 PP
Station Road LC (CCTV)	39	01		
Rainham Substation	39	23		DC: Canterbury — GSM-R (Boundary for ECR at 39m 23ch)
	39	33 *		CTLP-KNT-Kent-07-VIR-39m40ch
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 *		CTLP-KNT-Kent-08-VIR-40m63ch 1 Up Chatham 2 Down Chatham

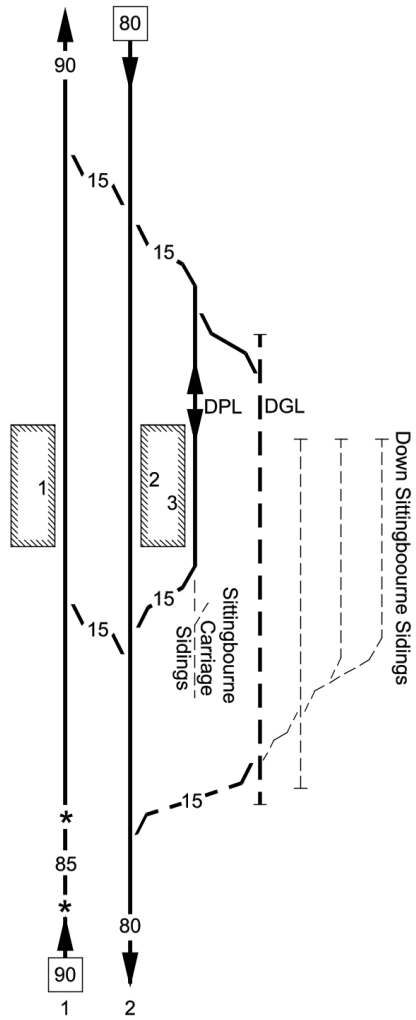


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	020	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR WMS	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury; GSM-R
Newington Substation	42 40		
	42 50 *		
	42 77 *		CTLP-KNT-Kent-23-VIR-42m69ch
Western Jn	43 70		
(Hollands Crossing)	(43 77)		
(Middle Jn)	(44 13)	To/From Middle Jn SO150 seq 1	
Chalkwell TP Hut	44 13		
Eastern Jn	44 18		1 Up Chatham 2 Down Chatham 3 Up Sheppey Spur 4 Down Sheppey Spur 5 Up Sheppey 6 Down Sheppey
	0 00		

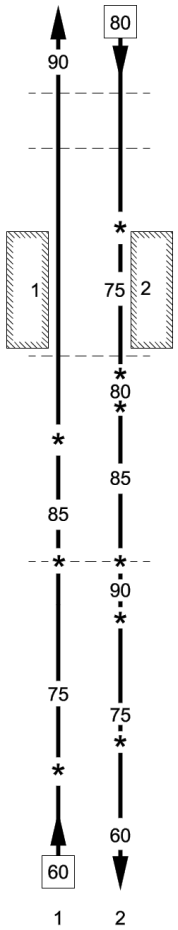


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	021	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR	Kent / Sussex	02/05/2016

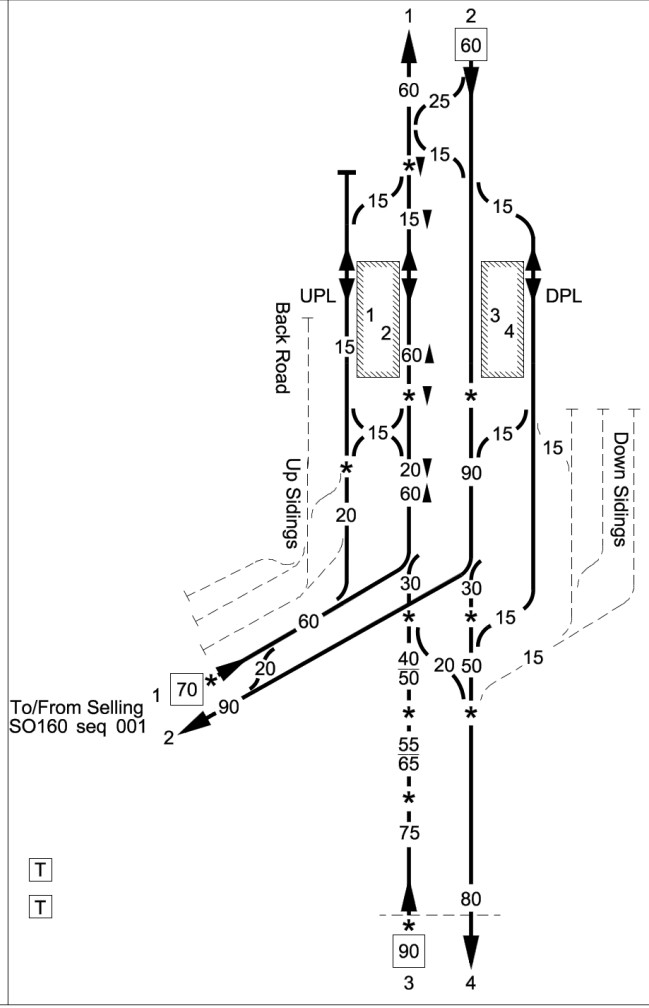
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury
SITTINGBOURNE	44 59		DPL (Down Sittingbourne Passenger Loop) 29. DGL (Down Sittingbourne Goods Loop) 54. Platform 2 PP-A Platform 3 PP-A Also permitted for platform 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	18/01/2025

Location	Mileage M 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	CTLP-KNT-Kent-09-VIR-50m22ch
			CTLP-KNT-Kent-05-VIR-51m40ch
	51 20 *		Axle counter area
	51 40 *		- 51m 46ch
			1 Up Chatham 2 Down Chatham

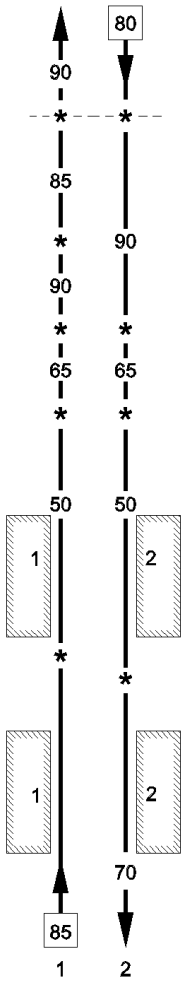


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO110	023	Victoria to Ramsgate (via Herne Hill and Chatham)	VIR FDM	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury GSM-R
	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 *		CTLP-KNT-Kent-06-VIR-52m23ch
	52 32 *	To/From Selling SO160 seq 001	
	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

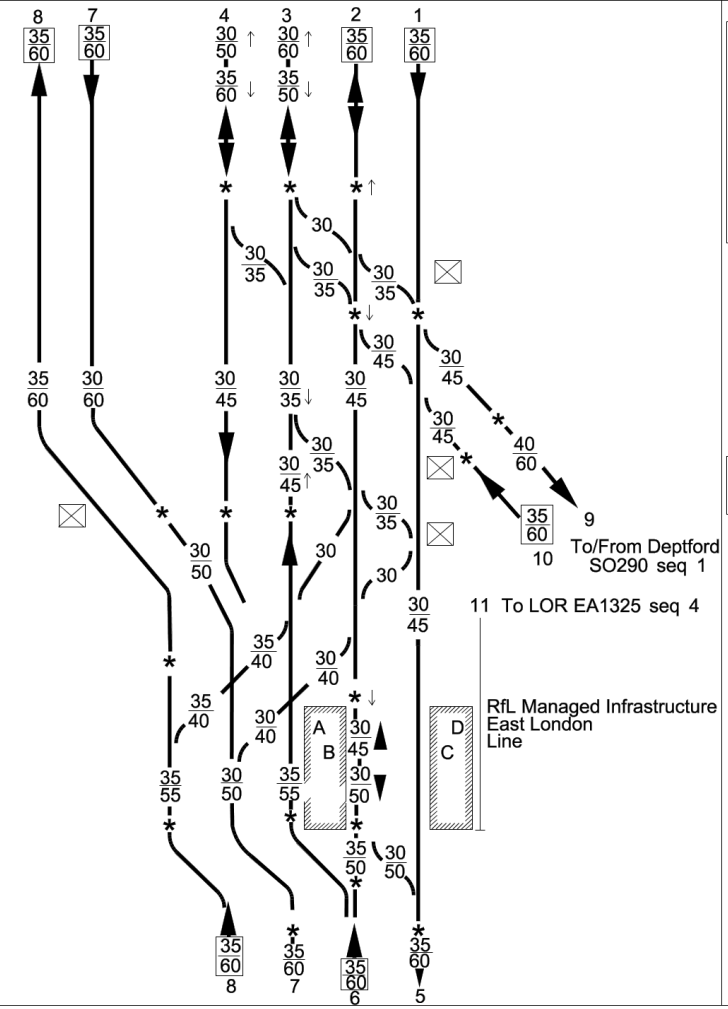
Location	Mileage M	Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB east Kent Signalling Centre (EK) RA8 DC: Canterbury GSM-R
Graveney LC (AHBC)	54	77 *	T	Axle counter area
Graveney Substation	55	42		
	56	16 *		
Seasalter TP Hut	57	21		
	57	40 *		
	58	40 *		
Whitstable Substation	58	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
SO130	007	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Ineterface (via Tonbridge)	XTD NKL	Kent / Sussex	26/11/2022

Location	Mileage M Ch
	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 *

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

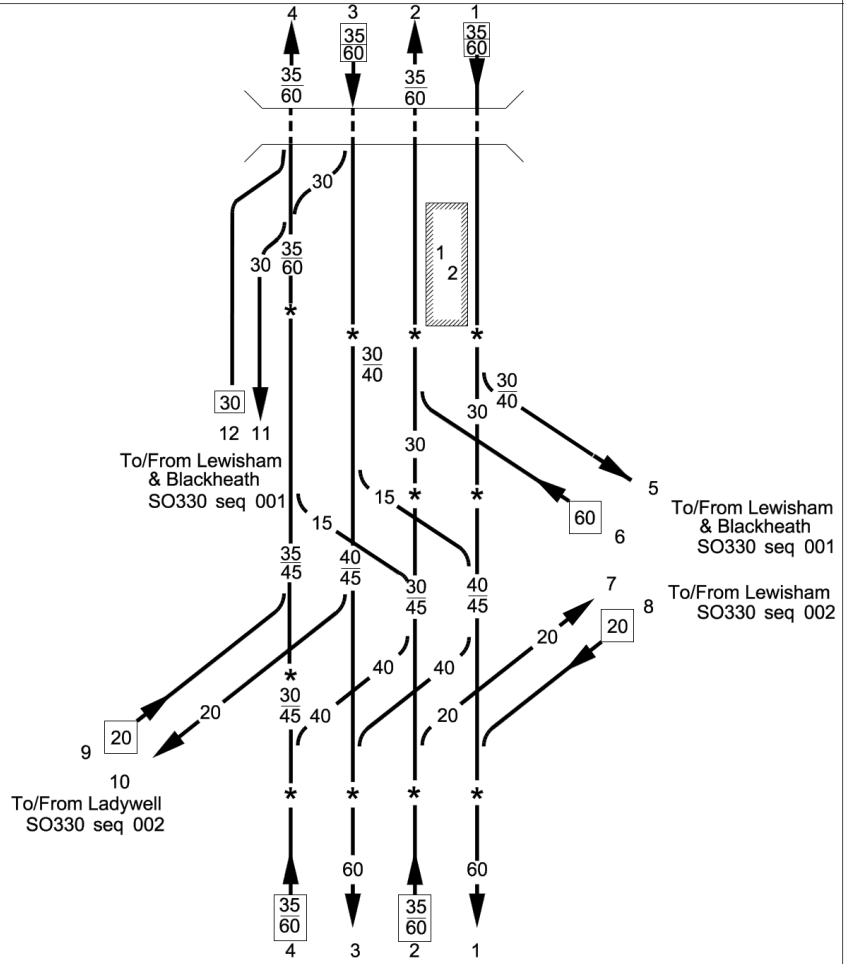
RA8 All lines

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.

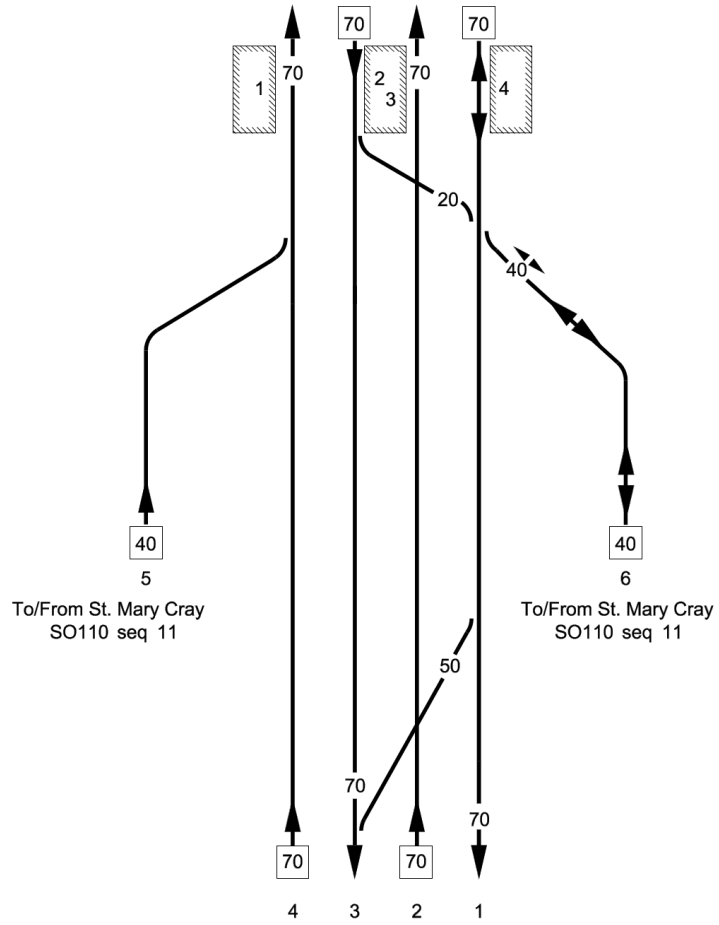
1. 1 Down
2. 2. Reversible
3. 3 Up
4. 4 Down
5. Down Kent Slow
6. Up Kent Slow
7. Down Kent Fast
8. Up Kent Fast
9. Down Graeenwich
10. Up Greenwich
11. New Cross Single Line

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	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Lucas Street (Tanners Hill) Tunnel (87 yards)	5 22 to 5 26		TCB Three Bridges ROC RA8 Lewisham Workstation (TL) DC: Lewisham
Tanners Hill Jn	5 29		
	5 36		
ST JOHNS	5 47		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
	5 45 *		
St Johns Jn	5 54 *		
	5 75 *		
School Jn	6 01		
Parks Bridge Jn	6 14		
	6 19 *		CTLP-KNT-Kent-58-NCS-06m868yds CTLP-KNT-Kent-76-XTD-06m22ch
Courthill Loop South Jn	6 35		
	(6 43)		Three Bridges ROC Grove Park A Workstation (TL)
	6 48 *		



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	18/01/2025

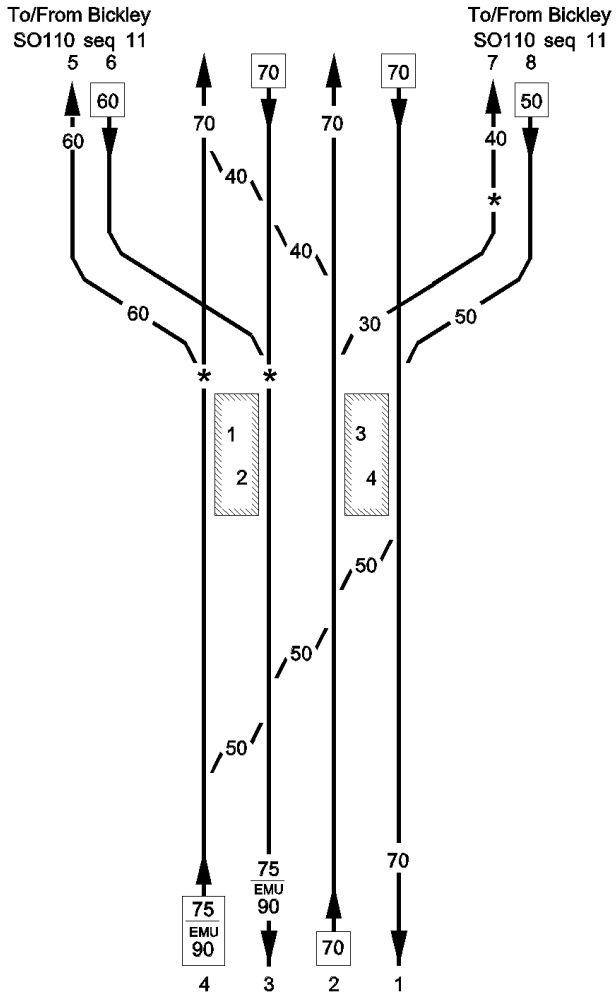
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CHISLEHURST	11 19		TCB Ashford IECC (AD) RA8 DC: Lewisham GSM-R CTLP-KNT-Kent-80-XTD-11m26.5ch
Chislehurst Jn	11 33		
Chislehurst Substation	11 49		
(Hawkwood Jn)	(11 68)		
(St. Mary Cray Down Jn)	(11 71)		

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



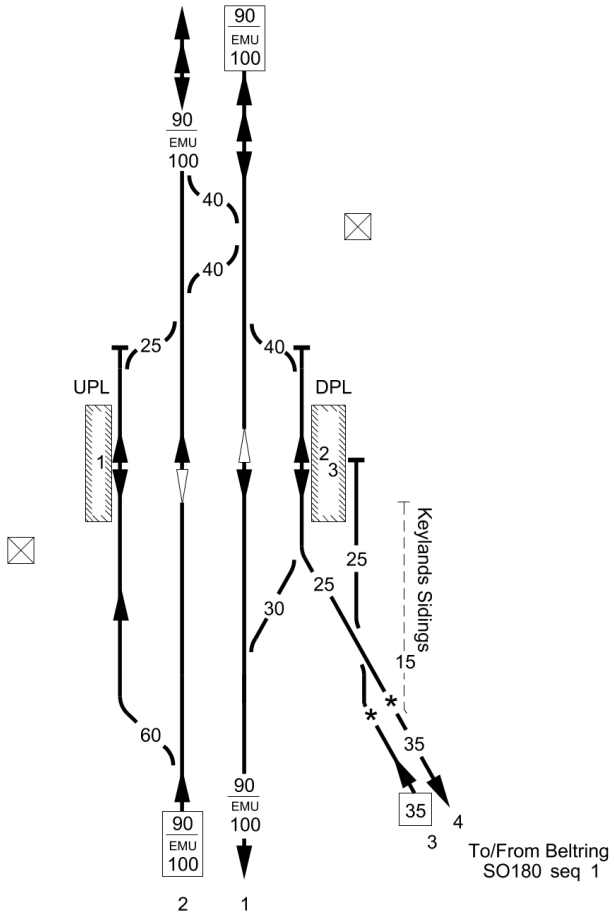
Signalling & Remarks

GSM-R

TCB	Ashford IECC (AD)
RA8	DC: Lewisham

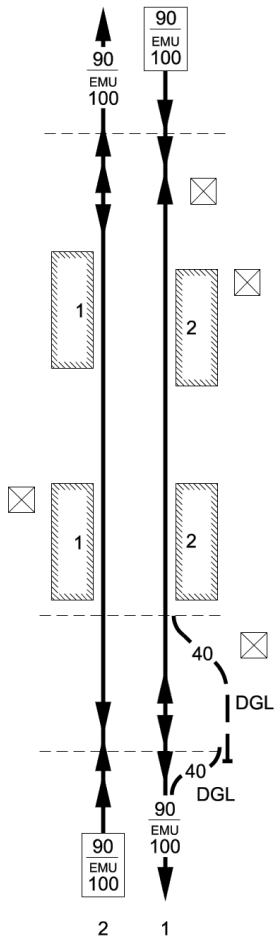
1 Down Slow
2 Up Slow
3 Down Fast
4 Up Fast
5 Up Fast Tonbridge Loop
6 Dowm Fast Tonbridge Loop
7 Up Slow Tonbridge Loop
8 Down Slow Tonbridge Loop

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	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
			TCB Ashford IECC (AD) RA8 DC: Paddock Wood GSM-R PLOD at 34m 50ch DPL 37 (Reversible for trains from Maidstone West line to Up Main line). PLOD at 34m 76ch UPL 83 1 Down Main 2 Up Main 3 Up Maidstone Branch 4 Down Maidstone Branch
PADDOCK WOOD	34 67		
Paddock Wood Substation	(35 02) * 35 27		

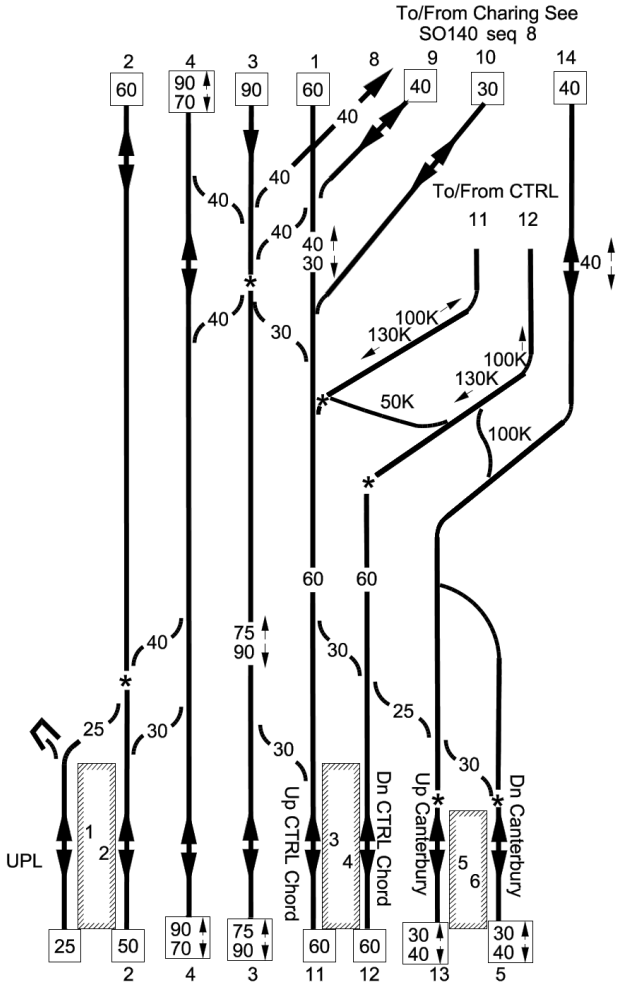
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	022	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD	Kent / Sussex	18/01/2025

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB Ashford IECC (AD) RA8 DC: Paddock Wood GSM-R
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	
			T	PLOD at 41m 65ch
STAPLEHURST	41	70		PLOD at 42m 57ch CTLP-KNT-Kent-11-XTD-42m22ch CTLP-KNT-Kent-12-XTD-42m22ch CTLP-KNT-Kent-13-XTD-42m56ch CTLP-KNT-Kent-14-XTD-42m56ch CTLP-KNT-Kent-15-XTD-43m12ch CTLP-KNT-Kent-16-XTD-43m12ch CTLP-KNT-Kent-17-XTD-43m06ch CTLP-KNT-Kent-18-XTD-43m60ch CTLP-KNT-Kent-19-XTD-44m30ch CTLP-KNT-Kent-20-XTD-44m30ch CTLP-KNT-Kent-21-XTD-44m32ch CTLP-KNT-Kent-22-XTD-44m32ch
Fishers F/P Crossing	42	09		
Staplehurst Substation	42	16		
Cranmore Substation	43	79		DGL 117 (Cranmore Loop)
Church F/P Crossing	44	56		

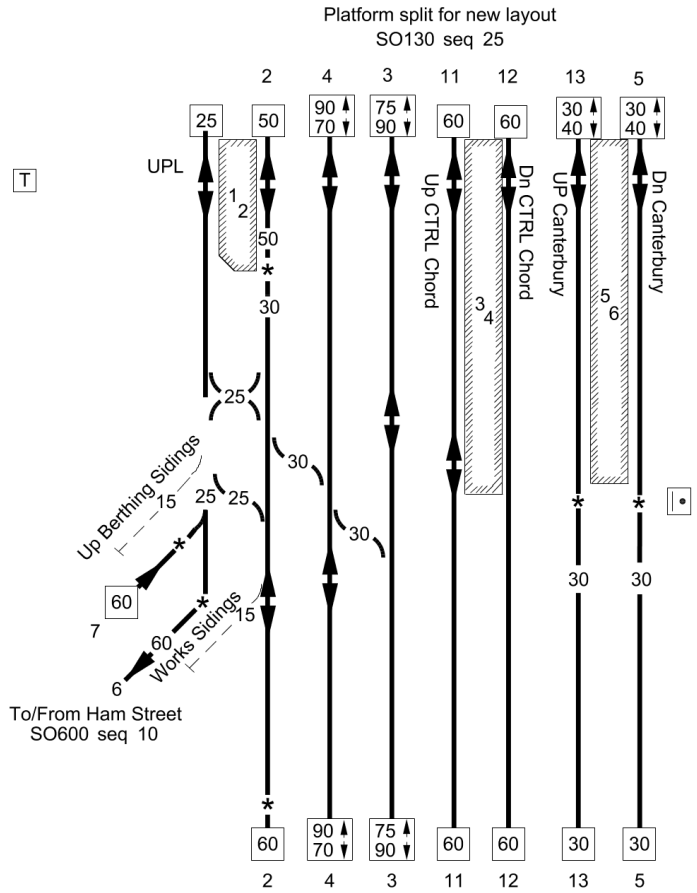


1 Down Main
2 Up Main

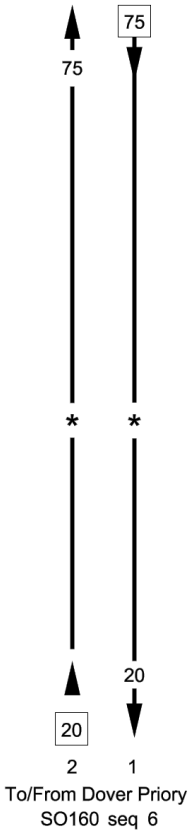
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	025	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD SBJ	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Jn with Maidstone line	55 54 * (58 61)		TCB Ashford IECC (AD) RA8 AC: Paddock Wood DC: Paddock Wood GSM-R Note: Speedboards also indicate maximum speeds in Kilometres per hour. These boards are circular with white numerals and a black background. 25kV AC Overhead lines now electrified in Ashford area.
	55 71 *		Platform 1 PP Platform 2 PP Platform 5 PP Platform 6 PP
	55 77 *		1 Down Slow 2 Up Slow 3 Down Fast 4 Up Fast CTLP-KNT-Kent-10-XTD-56m02ch 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
	56 08 *		
ASHFORD	56 09	T	

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		TCB Ashford IECC (AD) RA8 AC: Paddock Wood DC: Paddock Wood GSM-R 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	035	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD HSE	Kent / Sussex	06/10/2024

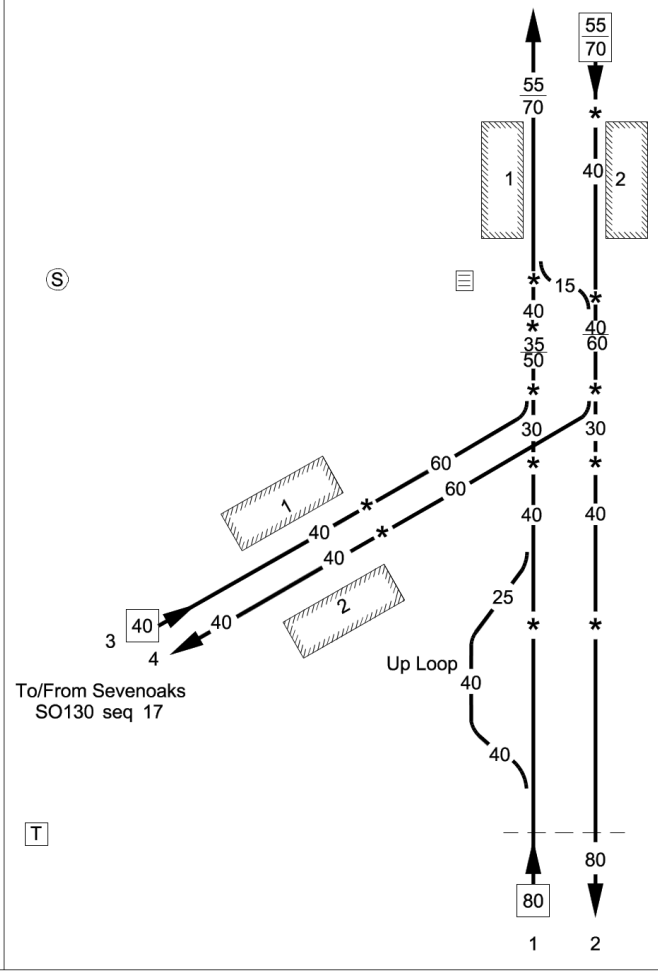
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Folkestone East SB (YE) RA8 DC: Canterbury GSM-R
	76 36 *		1 Down Main 2 Up Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	001	Swanley to Ashford	SBJ	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN SWANLEY AND ASHFORD - 80 MPH	GSM-R
			TCB Victoria SB (VS) RA8 DC: Paddock Wood
(Swanley Jn)	(17 46)	55/70 To/From Swanley SO110 seq 13	
Wested Lane TP Hut	18 41	55/70	Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route.
Eynsford Tunnel (828 yards)	18 67 to 19 24		CTLP-KNT-Kent-43-SBJ-17m65ch
Eynsford Substation	19 52		
OCC Xing	19 57		
Footpath Xing	19 59		
EYNSFORD	20 32	1 2	
Lullingstone Substation	21 33		
Willmotts F/P Crossing	22 33		
SHOREHAM	22 52	1 2	
Greenhill Substation	23 15	55/70 55/70 1 2	1 Up Maidstone 2 Down Maidstone

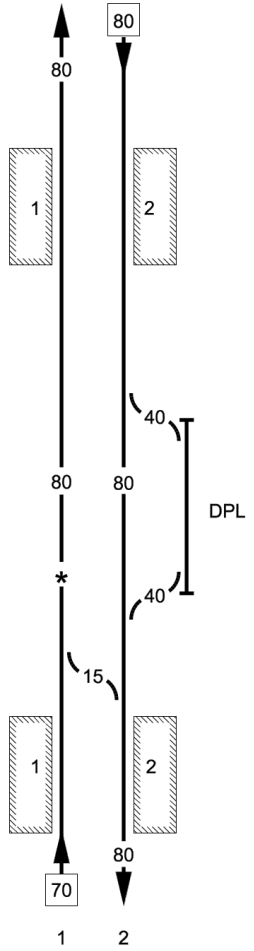
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	002	Swanley to Ashford	SBJ OJS	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Victoria SB (VS) RA8 DC: Paddock Wood GSM-R
	24 00 *		
OTFORD	24 06		
Otford Ground Frame	24 13 * 24 17 * 24 27 *		
			CTLP-KNT-Kent-46-SBJ-24m54ch
Otford Jn	24 53 *		
	24 58 *		
Otford Jn Substation	24 60 25 40 *		
BAT & BALL	25 51		
			CTLP-KNT-Kent-73-OJS-24m60ch
(Sevenoaks Jn)	(26 61) 25 07 *		
			Up Loop 118
Seal Crossing	25 78		
			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	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Victoria SB (VS) RA8 DC: Paddock Wood — GSM-R
			CTLP-KNT-Kent-41-SBJ-26m31ch
Noahs Ark Substation	26 31		
			TCB Maidstone East SB (ME) RA8 DC: Paddock Wood — GSM-R
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

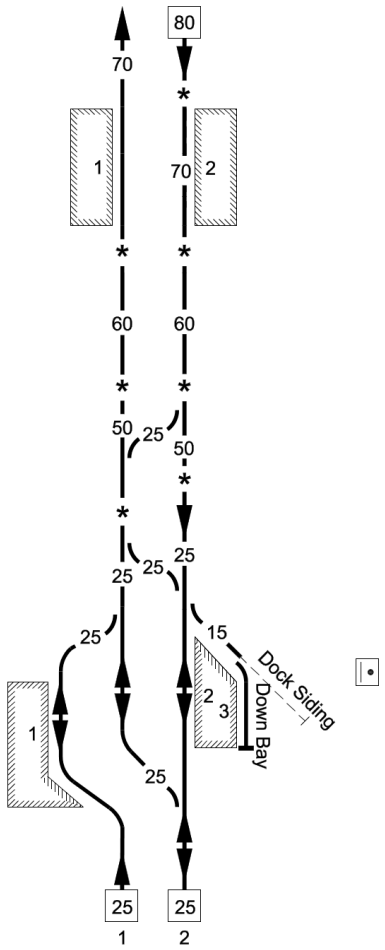


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	004	Swanley to Ashford	SBJ	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Maidstone East SB (ME) RA8 DC: Paddock Wood GSM-R
	30 65 *	70 * 80 / 80 * 70	
	31 13 *	* 80 / 80 *	
Wrotham Heath Substation	31 37		
	32 75 *	*	
Church Road Substation	33 07		
	33 40 *	* 70 / 70 *	
West Malling Substation	34 55		
WEST MALLING	34 61	1 2	
EAST MALLING	35 64	1 2	Horn Code - Down trains 1S when leaving platform. CTLP-KNT-Kent-75-SBJ-32m1406yds
	35 72 *	*	
Ditton Substation	36 29	80 / 70	1 Up Maidstone 2 Down Maidstone
		1 2	

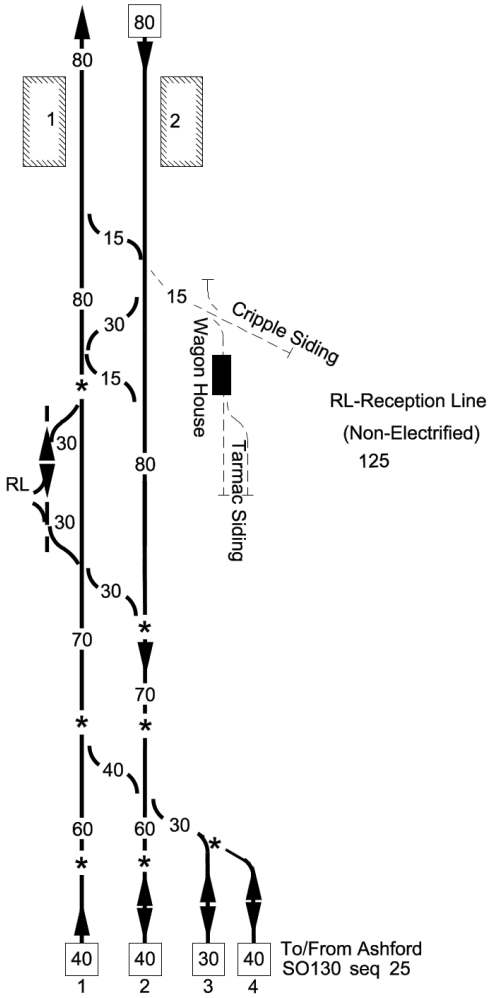
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	005	Swanley to Ashford	SBJ	Kent / Sussex	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Maidstone East SB (ME) RA8 DC: Paddock Wood GSM-R
	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
MAIDSTONE EAST	39 76		(Attaching only possible through Shunting)
			1 Up Maidstone 2 Down Maidstone



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	008	Swanley to Ashford	SBJ	Kent / Sussex	18/01/2025

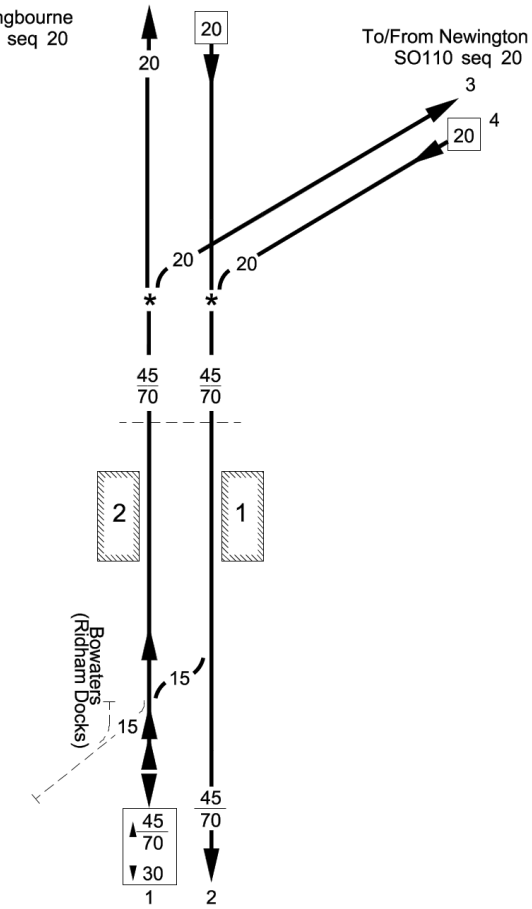
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Maidstone East SB (ME) RA8 DC: Paddock Wood
Charing Substation	53 05		
CHARING	53 11		
Westwell Substation	54 53		
Hothfield Sidings	55 50		
	55 73 *		
HOTHFIELD SUBSTATION	56 22		CTLP-KNT-Kent-82-SBJ-56m22ch
	56 50 *		GSM-R Ashford IECC (AD)
Potters Corner Substation	57 77		
	58 01 *		
	58 39 *		
	58 51 *		
Godinton Substation	58 53		



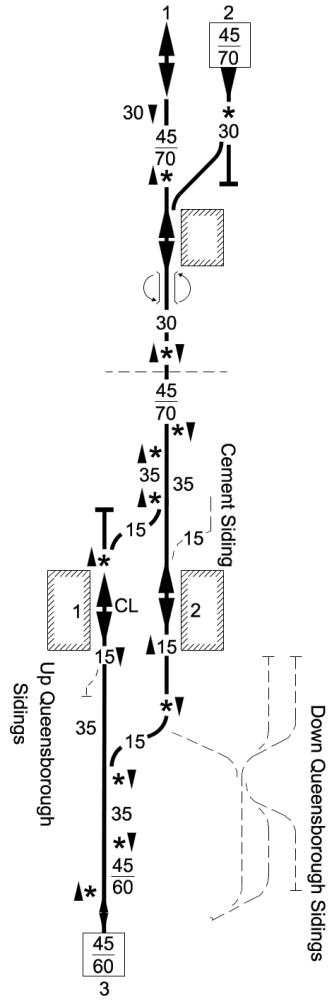
1 Up Maidstone
2 Down Maidstone
3 Maidstone Loop
4 Maidstone Relief

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO150	001	Sittingbourne (Eastern Jn.) to Sheerness-on-Sea	SEJ2 SEJ1 WMS	Kent / Sussex	18/01/2025

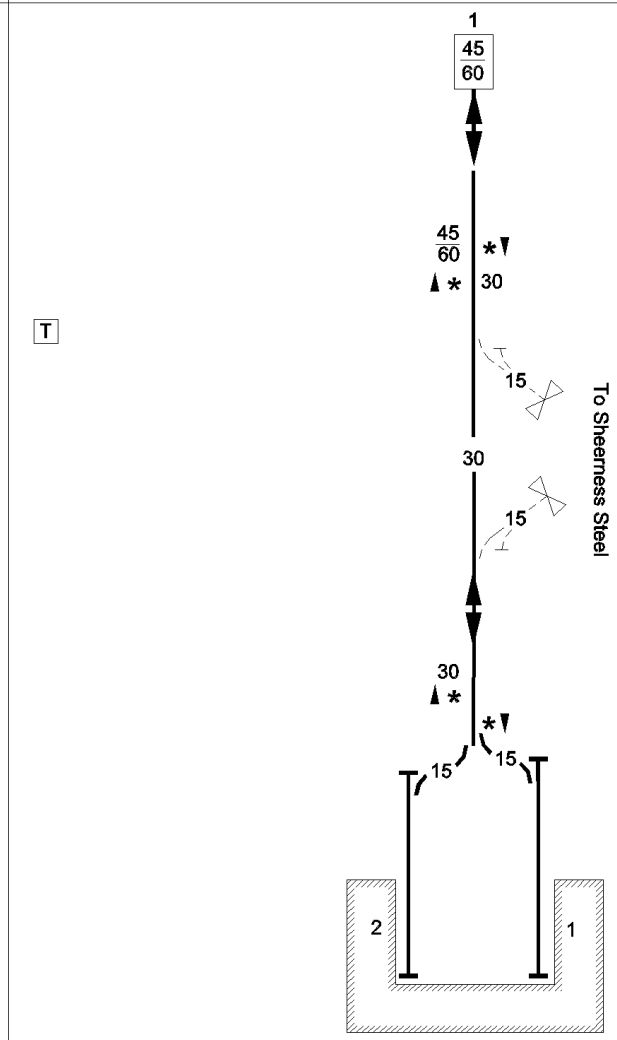
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED BETWEEN SITTINGBOURNE (EASTERN JN.) AND SHEERNESS-ON-SEA : 70 MPH	TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury GSM-R
(Eastern Jn)	(0 00)		
(Western Jn)	(43 70)		
Middle Jn	44 13 *		
	(0 23)		Axle Counter Area 44m 21ch
Fox Grove Crossing	44 70	T	East Kent Signalling Centre (EV)
KEMSLEY	45 20		
Kemsley Substation	45 61		CTLP-KNT-Kent-30-SEJ2-45m61ch
Ridham Siding	46 60	T	1 Up Sheppey 2 Down Sheppey 3 Up Sheppey Spur 4 Down Sheppey Spur



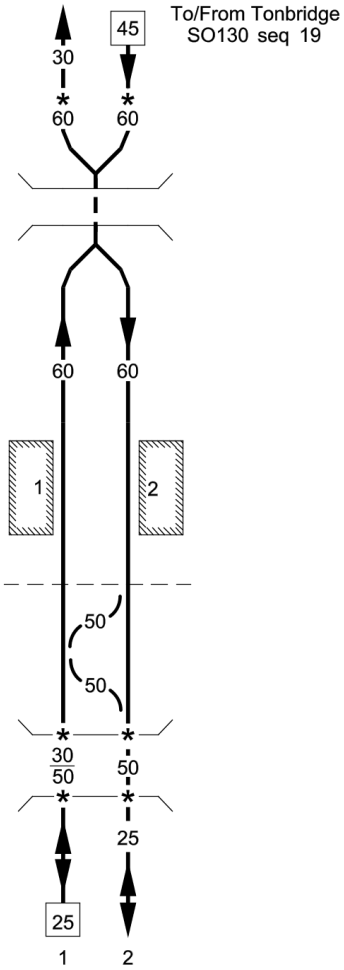
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO150	002	Sittingbourne (Eastern Jn.) to Sheerness-on-Sea	SEJ2	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB East Kent Signalling Centre (EV) RA8 DC: Canterbury
	46 77 *		(KINGSFERRY 05)
	47 00 *		
Swale TP Hut	47 07		CTLP-KNT-Kent-24-SEJ2-47m14ch
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 *		CTLP-KNT-Kent-31-SEJ2-49m56ch 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

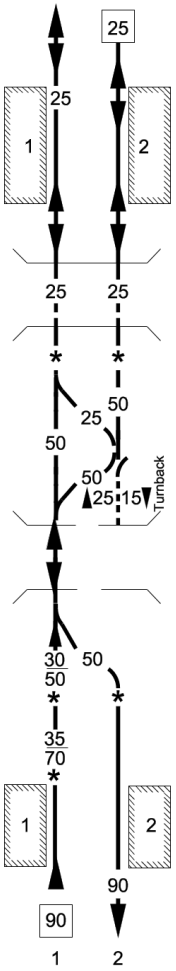
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB East Kent Signalling Centre (EV) RA8 DC: Canterbury GSM-R
	50 38 *		
	50 40 *		
Sheerness Dockyard	50 48		
	51 00 *		
	51 02 *		
SHEERNESS-ON-SEA	51 19		1 Sheppey Single

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 *		
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

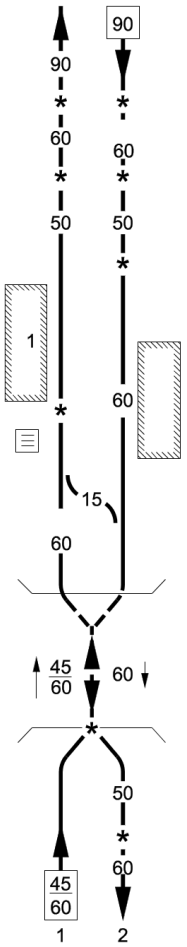
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	002	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Tonbridge SB (PE) RA8 DC: Paddock Wood GSM-R
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		CTLP-KNT-Kent-47-TTH-36m42ch CTLP-KNT-Kent-48-TTH-36m42ch CTLP-KNT-Kent-52-TTH-35m63ch
Frant TP Hut	36 60		1 Up Hastings 2 Down Hastings



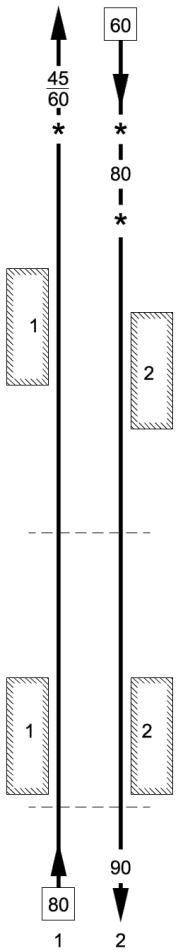
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	003	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Tonbridge SB (PE) RA8 DC: Paddock Wood GSM-R
			CTLP-KNT-Kent-49-TTH-36m66ch CTLP-KNT-Kent-50-TTH-36m66ch CTLP-KNT-Kent-51-TTH-38m52ch CTLP-KNT-Kent-78-TTH-39m05ch
	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



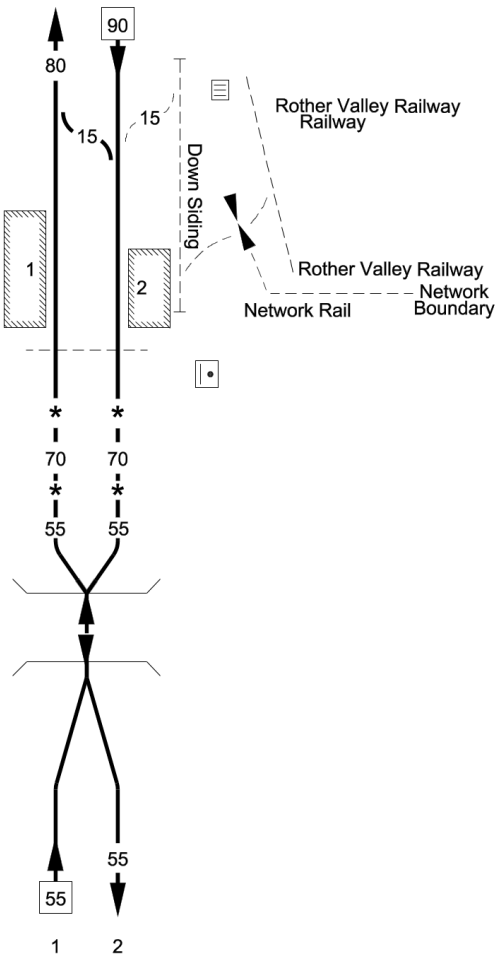
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	004	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Robertsbridge SB (RB) RA8 DC: Paddock Wood GSM-R CTLP-KNT-Kent-53-TTH-41m45ch
	41 60 *		
	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



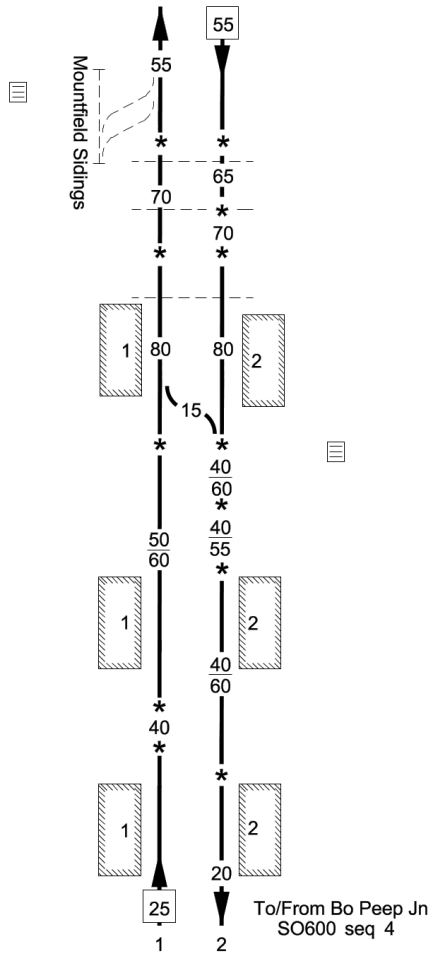
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	005	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Robertsbridge SB (RB) RA8 DC: Paddock Wood GSM-R
Robertsbridge Engineers Ground Frame	49 36	Ⓢ	
ROBERTSBRIDGE	49 47		
Robertsbridge LC (MCB-CCTV)	49 53		
Robertsbridge SB (RB)	49 54		
	49 59 *		
Robertsbridge TP Hut	50 02		CTLP-KNT-Kent-54-TTH-51m36ch
	51 36 *		
Mountfield Tunnel (526 yards)	51 46 to 51 70	T	
			1 Up Hastings 2 Down Hastings



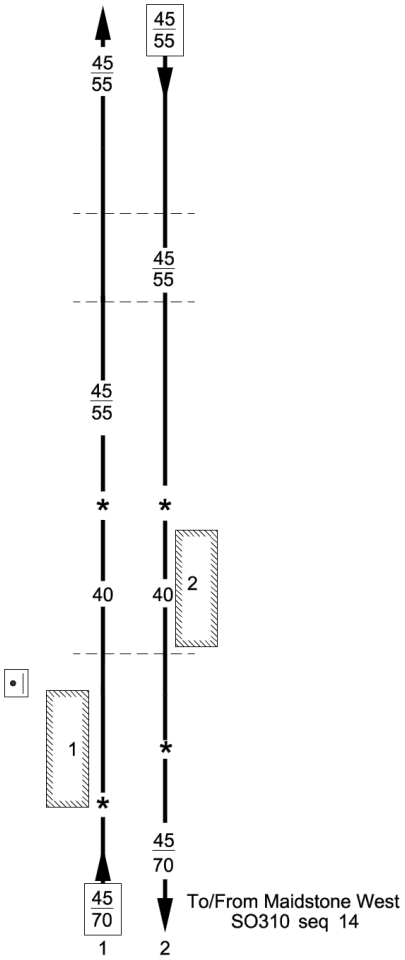
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO170	006	Tonbridge to Bo Peep Jn	TTH	Kent / Sussex	18/01/2025

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					TCB Robertsbridge SB (RB) RA8 DC: Paddock Wood GSM-R
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	*		Bo Peep Jn SB (BJ)
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			CTLP-KNT-Kent-72-TTH-58m-37ch
	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	003	Paddock Wood to Maidstone West	PWS1	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			AB Wateringbury SB (WB) RA8 DC: Paddock Wood GSM-R
Teston LC (CCTV)	41 04	T	
Teston Foot Crossing	41 14		
Teston Substation	41 64	T	
	42 53 *		CTLP-KNT-Kent-37-PWS1-42m18ch
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

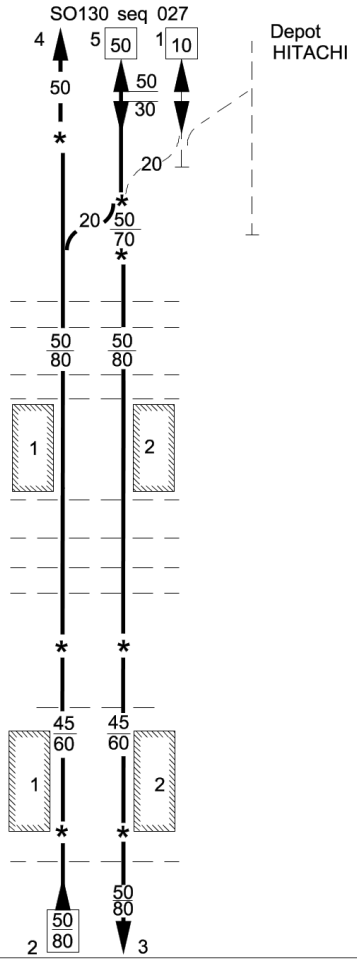


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO210	001	Appledore to Lydd Town (Goods Line)	APL	Kent / Sussex	24/02/2023

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. Other UWC's in this area:-
Boarmans LC (open)	67 45		Bodys No.1 (Accom) 65m 16ch
Tillery LC (open)	67 59		Bodys No.2 (Accom) 65m 42ch
Fielders LC (open)	67 71		Bodys No.3 (Accom) 65m 48ch
Mountain LC (open)	68 15		Bodys No.4 (Accom) 65m 58ch
Coldharbour LC (open)	68 67		Welsteads (Accom) 66m 10ch
Midley LC (open)	69 46		Hobbs (Bridleway) 67m 13ch
Swamp LC (open)	70 39		Paines No.2 (Accom) 68m 36ch
Caldicott LC (open)	71 02		Paines No.3 (Footpath) 68m 46ch
Lydd Town LC (TMO)	71 51 *	*	Hughes (Accom) 69m 05ch
		15 Sidings	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	21/12/2024

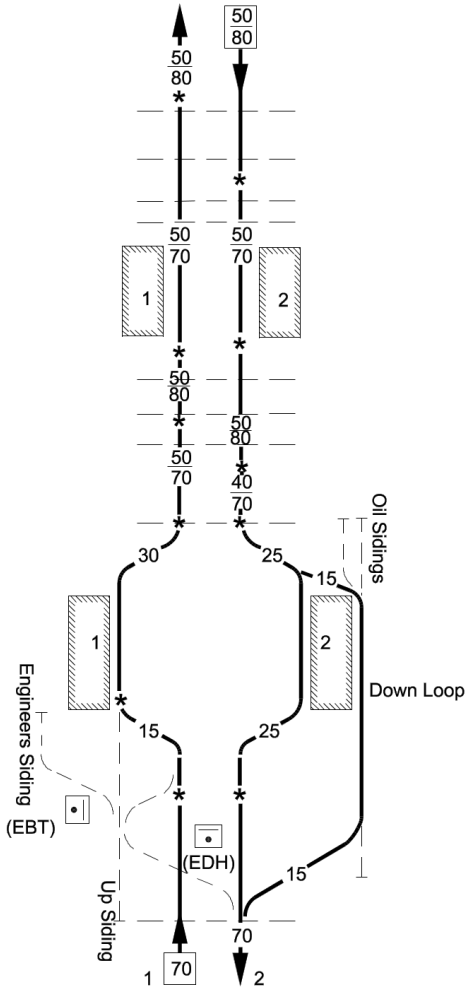
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
				MAXIMUM PERMISSIBLE SPEED BETWEEN ASHFORD AND RAMSGATE - 80 MPH	TCB Ashford IECC (AD) RA8 DC:Paddock Wood GSM-R
	56	76	*		Southern Region Two-Thirds Rule does not apply between Ashford and Canterbury West.
Hitachi Depot (Access)	57	07	*		
Kennington TP Hut	57	48	*		Cant/Wye (CWACC) (EBT) DC:Canterbury
Wilmington Farm Crossing	59	20		T	
Spring Grove Crossing	59	47		T	
Wye Substation	59	66			
Harville Farm Crossing	60	06		T	Other Crossings in the area Cradle Bridge FP 58m 36ch Bolleaux FP 58m 53ch East Mountain UWC 58m 62ch Golden Ball FP 59m 03ch Sparrows Bridge FP 60m 74ch
Wye LC (CCTV)	60	28			
WYE	60	32			
Bilting TP Hut	61	32			
Bilting Grange Crossing	61	38		T	
Bilting Crossing (R/G-X)	61	64		T	
Buckwell Crossing	61	70		T	
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

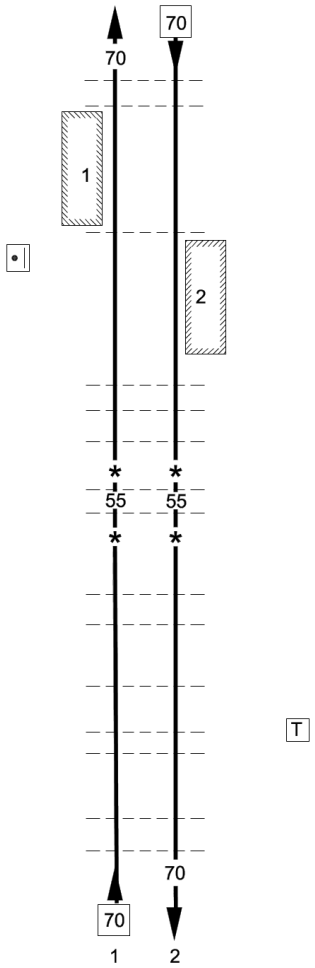
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO220	002	Ashford to Ramsgate (via Canterbury West)	ACR	Kent / Sussex	18/01/2025

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
	66	17	*		TCB Cant/Wye (CWACC) (EBT) RA8 DC:Canterbury GSM-R
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			
CHARTHAM	67	14			Other crossings in this area:- CTLP-KNT-Kent-32-ACR-67m69ch Shalmsford Street FP 66m 17ch Dog Kennel FP 67m 69ch Park Alley FP 71m 06ch
	67	18	*		
	67	23	*		
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	*		CTLP-KNT-Kent-34-ACR-69m45ch Canterbury West SB (EDH)
CANTERBURY WEST	70	27		T	DL 76
	70	30	*		
Canterbury/Wye ACC (CWACC) (EBT)	70	32	*		
Canterbury West Signal Box (EDH)	70	34			
St Stephens LC (CCTV)	70	56			1 Up Main 2 Down Main
Canterbury West TP Hut	71	05			



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO220	003	Ashford to Ramsgate (via Canterbury West)	ACR	Kent / Sussex	18/01/2025

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB Canterbury West SB (EDH) RA8 DC:Canterbury GSM-R
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)
Sturry SB (ST)	72	58		
				CTLP-KNT-Kent-33-ACR-73m78ch
Westbere TP Hut	74	10	T	
Hoplands Farm Crossing	74	51	T	
Chislet Colliery Substation	75	54	T	
Port Farm Crossing	76	06		Other UWC's also in this area.
	76	30 *		
Ships Meadow (R/G-X) FPW	76	39	T	Sandpit FP 71m 59ch
Grove Ferry LC (AHBC)	76	62	T	Milner Court FP 72m 48ch
	77	14 *		Sturry FP 72m 75ch
Grove Ferry TP Hut	77	17		Westbere FP 74m 12ch
Wall End Crossing	77	26	T	Stannards (Occupation) 80m 25ch
Cater Crossing	77	76	T	Hopes (Occupation) 81m 24ch
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	



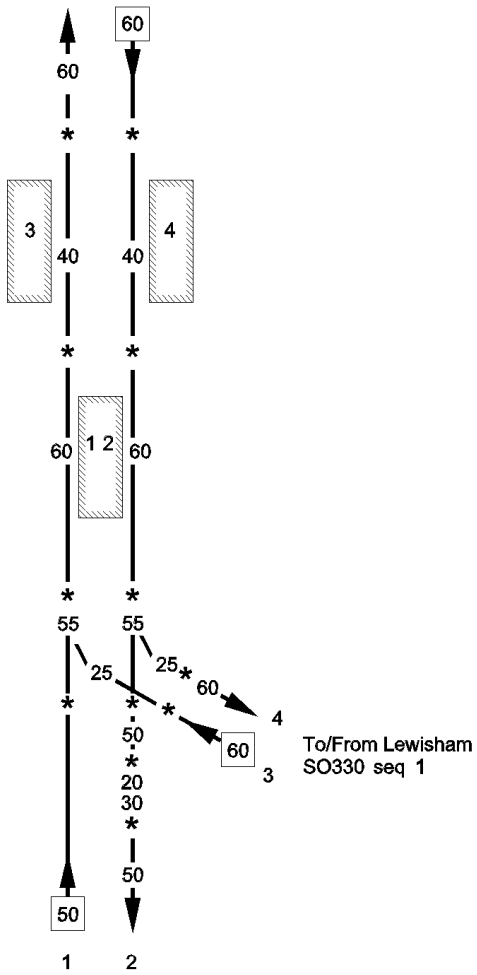
1 Up Main
2 Down Main

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 (81 79) *		Other UWC's in this area:- Durlock Main (Footpath 82m Durlock Loop (Footpath) 82m 10ch Cricket (Accomodation) 82m 34ch Richborough Castle(Accomodation) 84m 48ch
(Minster South Jn)	(82 21) (0 32)	To/From Sandwich. SO240 seq 4	
			Change of line name at Minster East Jn Axle counter area
Minster East Jn	82 17 (0 00)		GSM-R TCB East Kent RA8 Signalling Centre (EK) DC: Canterbury
Rough Crossing	82 35	T	
Sevenscore LC (AHBC)	83 10		
Cliffsend TP Hut **THANET PARKWAY**	83 44 83 61	T	Up - Down Stour lines 82m 26ch to 85m 14ch 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
SO260	003	Brixton Jn to Shortlands Jn	CAT	Kent / Sussex	19/03/2016

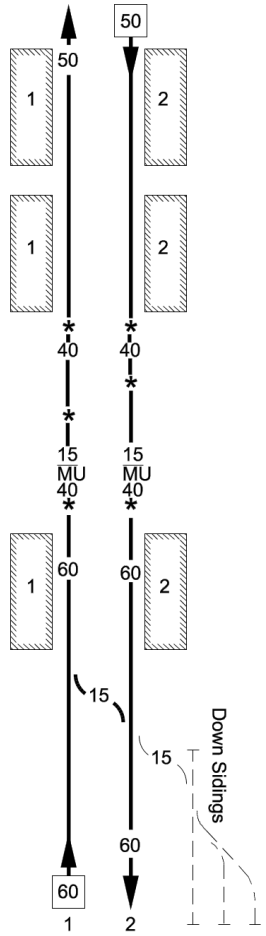
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Peckham Rye TP Hut	4 78		TCB Victoria SB (VS) RA8 DC: Lewisham GSM-R
	5 00 *		
PECKHAM RYE	5 13		
	5 40 *		
NUNHEAD	5 77		
Nunhead Jn	6 09 *		
	6 15 *		
Nunhead Substation	6 18		
	6 28 *		
	6 45 *		



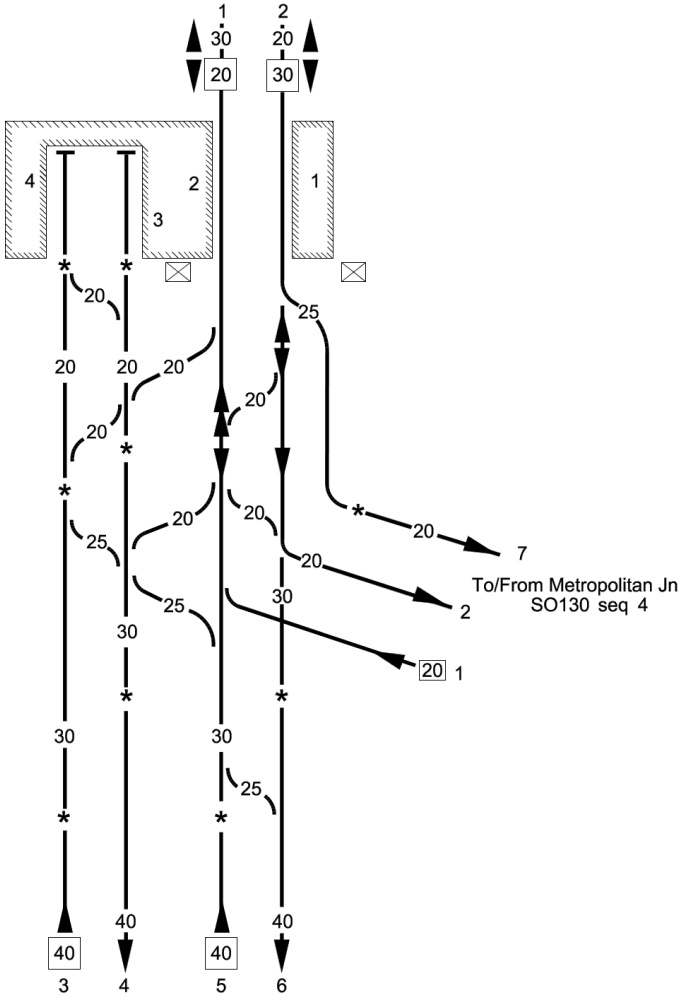
1 Up Catford Loop
2 Down Catford Loop
3 Up Lewisham
4 Down Lewisham

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO260	004	Brixton Jn to Shortlands Jn	CAT	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Victoria SB (VS) RA8 DC: Lewisham GSM-R
CROFTON PARK	7 11		
Crofton Park TP Hut	7 21		CTLP-KNT-Kent-65-CAT-07m21ch
CATFORD	8 03		
	8 10 *		
Catford Substation	8 24		
	8 26 *		
	8 27 *		
	8 31 *		
BELLINGHAM	8 73		CTLP-KNT-Kent-69-CAT-09m00ch 1 Up Catford Loop 2 Down Catford Loop

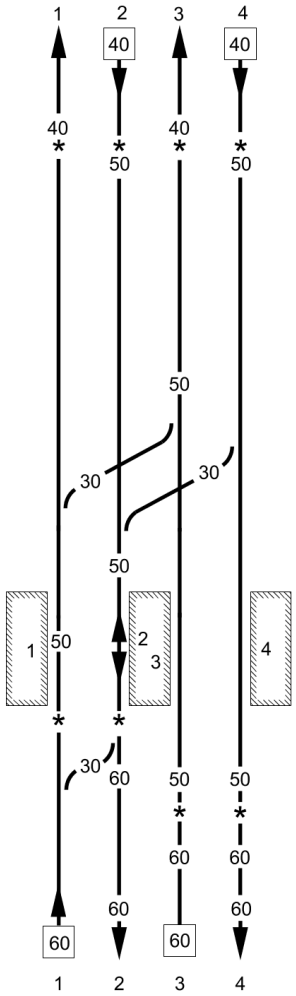


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO280	002	Farringdon to Herne Hill	HHH BMJ	Kent / Sussex	18/01/2025

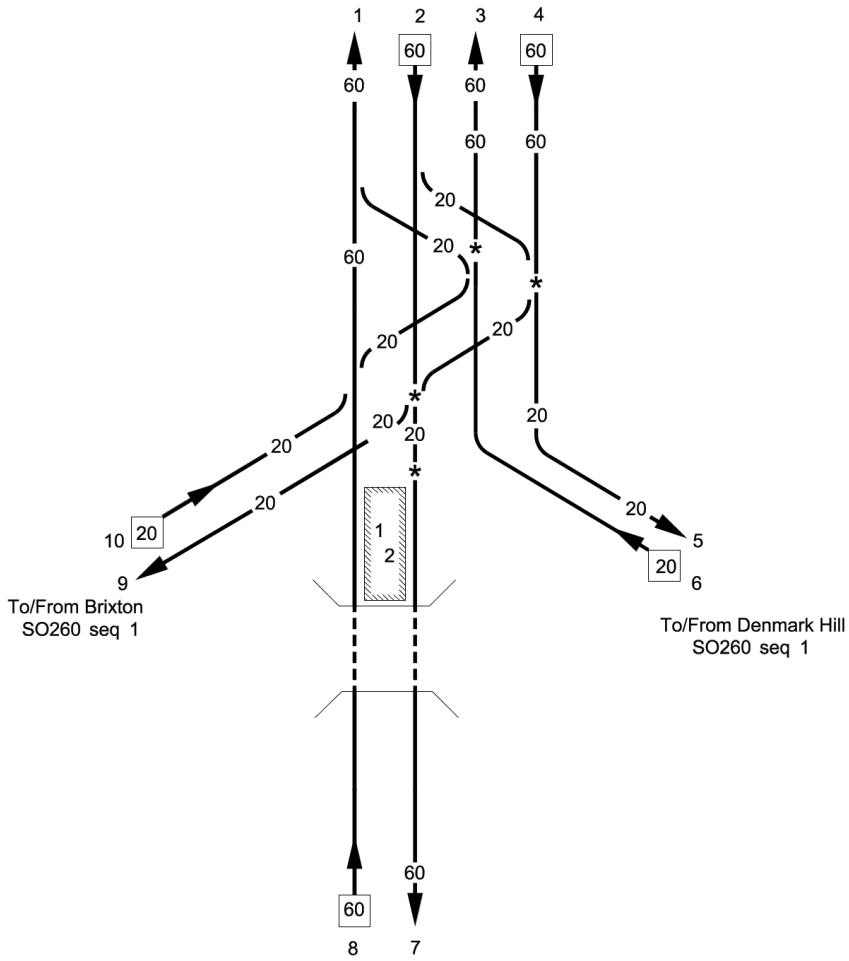
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BLACKFRIARS	0 35		TCB PoSA TBROC Core South Workstation (TVS) GSM-R ERTMS L2 Overlay RA8 DC:Lewisham Signaller must be informed prior to any TSR/ESR being implemented to allow ETCS to be updated
	0 40 *		Emergency Point and 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 *		CTLP-KNT-Kent-79-HHH-0m1239yds
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 PoSA 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
			Emergency Point and Route Release Area
			A.W.S. not provided for emergency and temporary speed restrictions.
			TCB TBROC Core South Workstation RA8 DC: Lewisham GSM-R
Southwark Bridge Jn	1 20		
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

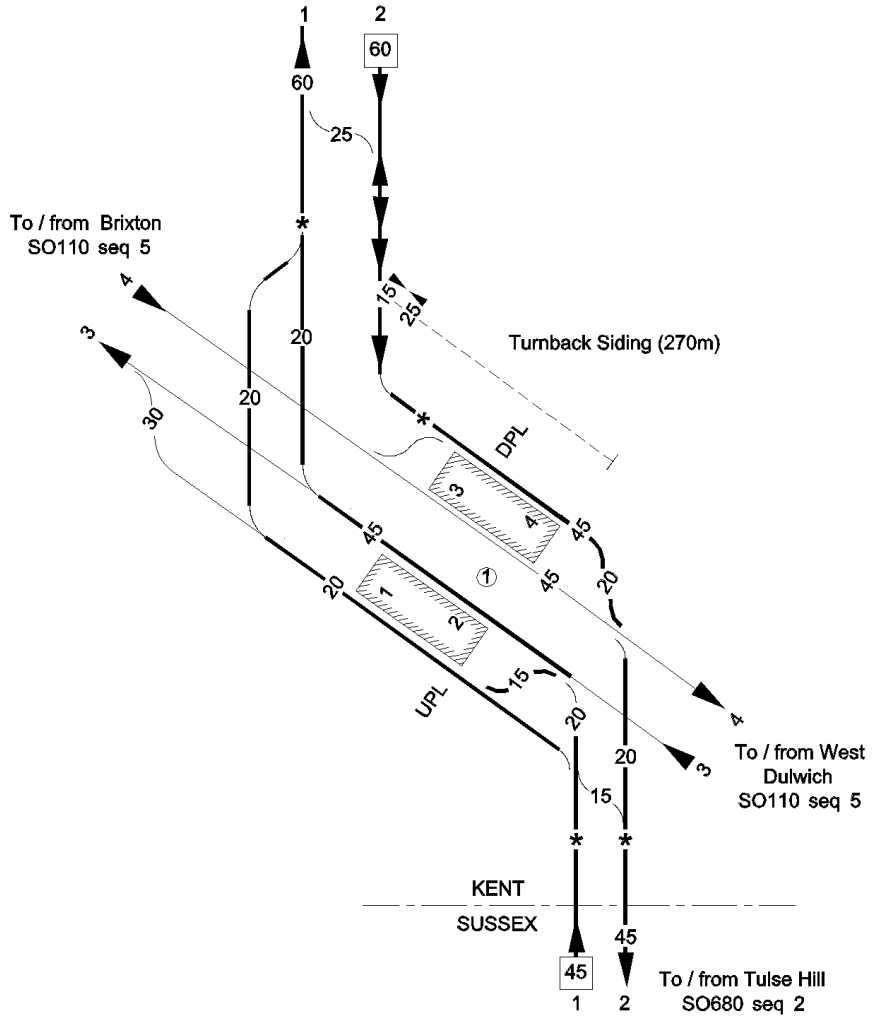


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO280	004	Farringdon to Herne Hill	HHH LTC LOC	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Victoria SB (VS) RA8 DC:Lewisham GSM-R 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		CTLP-KNT-Kent-68-HHH/LOC-03m39ch
	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		

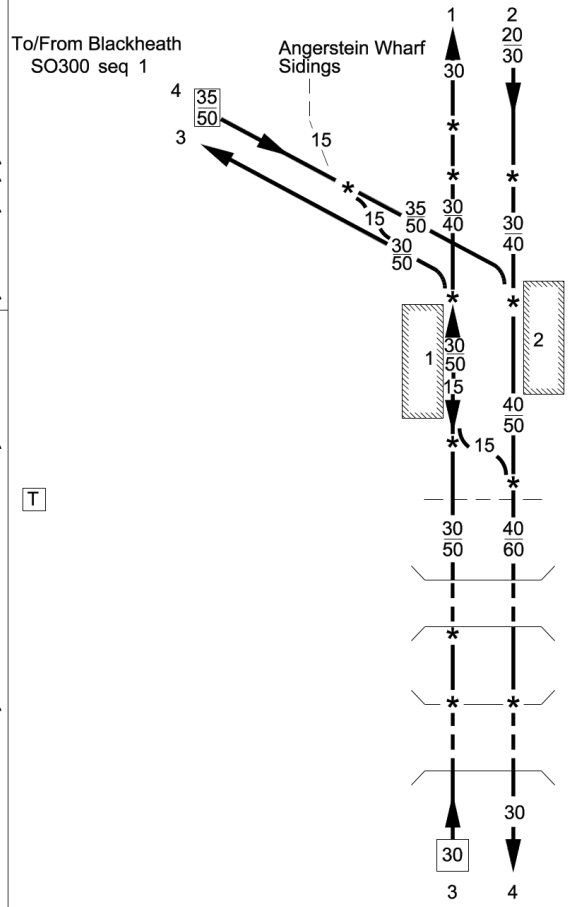
1 Up Holborn Slow
2 Down Holborn Slow
3 Up Holborn Fast
4 Down Holborn Fast
5 Down Cambria Spur
6 Up Cambria Spur
7 Down Holborn
8 Up Holborn
9 Up Brixton Spur
10 Down Brixton Spur

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
			TCB Victoria SB (VS) RA8 DC:Lewisham GSM-R 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	003	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	BTC	AGW	Kent / Sussex	18/01/2025

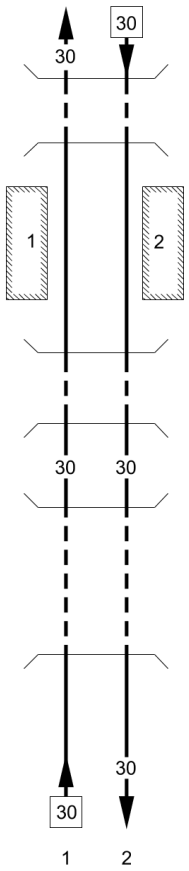
Location	Mileage M Ch	Signalling & Remarks
		TCB Three Bridges ROC (TL) RA6 Angerstein Workstation DC: Lewisham GSM-R
Blackheath Jn	7 14 7 28 * 7 29 *	A.W.S. not provided at signal L425 (Exit from Angerstein Wharf line.)
Angerstein Jn	8 46 *	
Charlton Jn	7 35 *	Axle Counter Area
Charlton Substation **CHARLTON**	(8 63) 7 40 7 44	
	7 62 * 7 66	RA8
Charlton Lane LC	8 01	CTLP-KNT-Kent-57-NKL-07m1689yds
Charlton Tunnel (154 yards)	8 02 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

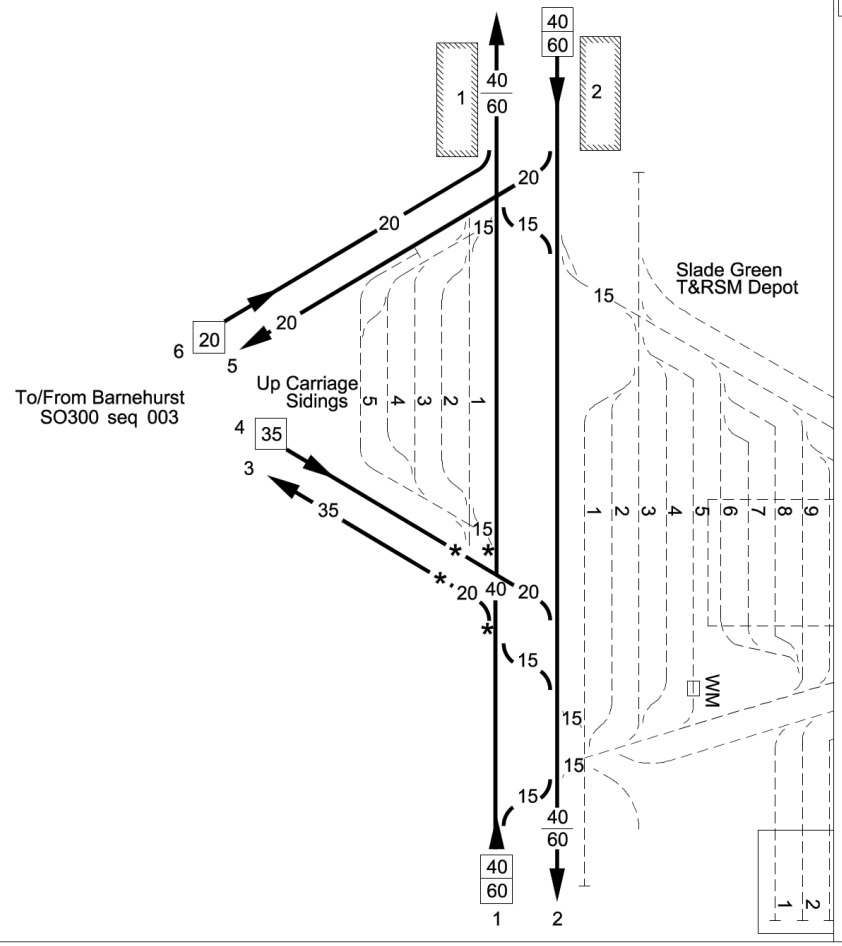
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Three Bridges ROC (TL) RA8 Angerstein Workstation DC: Lewisham
Dockland Tunnel (121 yards)	8 43 to 8 50		
WOOLWICH DOCKYARD Woolwich Dockyard Substation	8 56 8 56		Axle Counter Area
Coleman Street Tunnel (89 yards)	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	009	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	PSF	BEX	Kent / Sussex	18/02/2024

Location	Mileage M Ch
SLADE GREEN	15 30
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 *

Running lines & speed restrictions

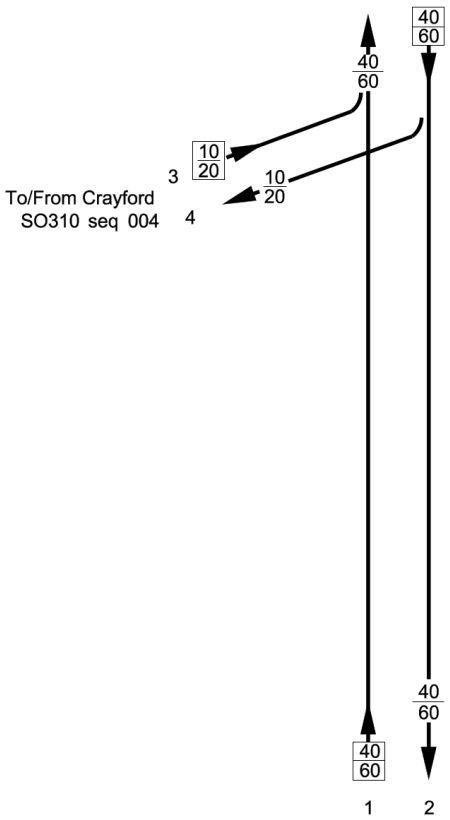


Signalling & Remarks

TCB Ashford IECC (NK)
RA8 DC:Lewisham

GSM-R

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	18/01/2025

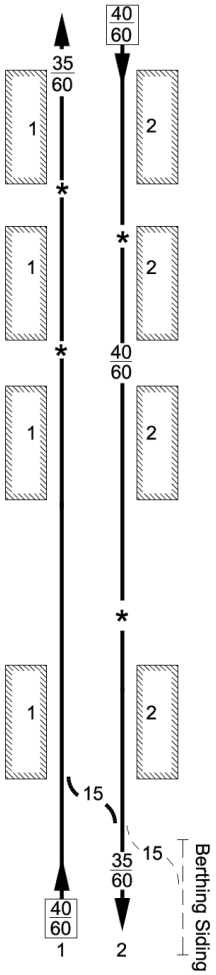
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Ashford IECC (NK) RA8 DC:Lewisham GSM-R
Crayford Spur "A" Jn	16 42 (16 41)		CTLP-KNT-Kent-64-NKL-16m41ch
(Crayford Spur "B" Jn)	(16 11)		
Dartford Substation	16 65		
(Dartford Jn)	(17 05)		1 Up North Kent 2 Down North Kent 3 Down Crayford Spur 4 Up Crayford Spur

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
		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
(HITHER GREEN)	(7 16)	To/From Hither Green Jn SO130 seq 9 35/60 40/60	Axle Counter Area
(Lee Spur Jn)	(0 29)	To/From Grove Park SO130 seq 9 4 3 15 15	
Lee Loop Jn	7 45	15 40/60 35/60 1 2	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	18/01/2025

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
LEE	7	66		
	8	07		
Lee Substation	8	55		
	9	02 *		
MOTTINGHAM	9	40		
	9	70 *		
New Eltham Substation	10	15	T	
NEW ELTHAM	10	32		
	11	40 *		
Sidcup TP Hut	11	65		
SIDCUP	11	73		



TCB Three Bridges ROC
Grove Park B workstation (TL)
RA8 DC: Lewisham

GSM-R

CTLP-KNT-Kent-56-HDR-08m55ch

Axle Counter Area

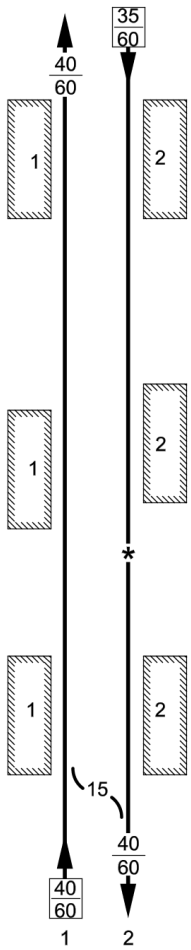
Ashford IECC (NK)

GSM-R

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

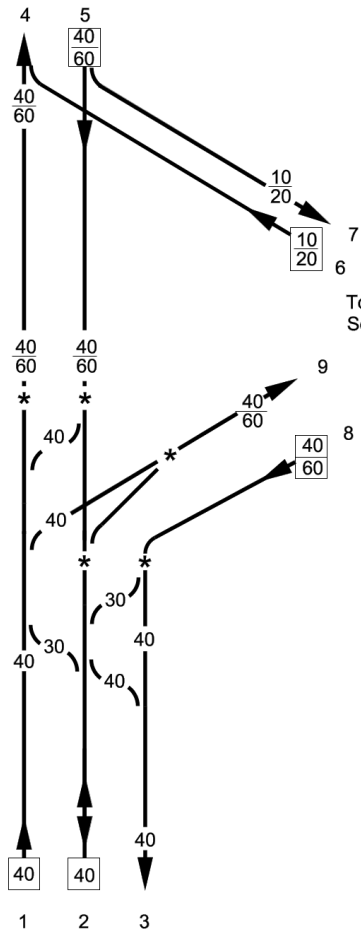
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				TCB Ashford IECC (NK) RA8 DC:Lewisham GSM-R
ALBANY PARK	12	68		
Albany Park Substation	13	17		
BEXLEY	13	69		
	14	25 *		
Crayford Substation	14	79		
CRAYFORD	15	25		



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	18/01/2025

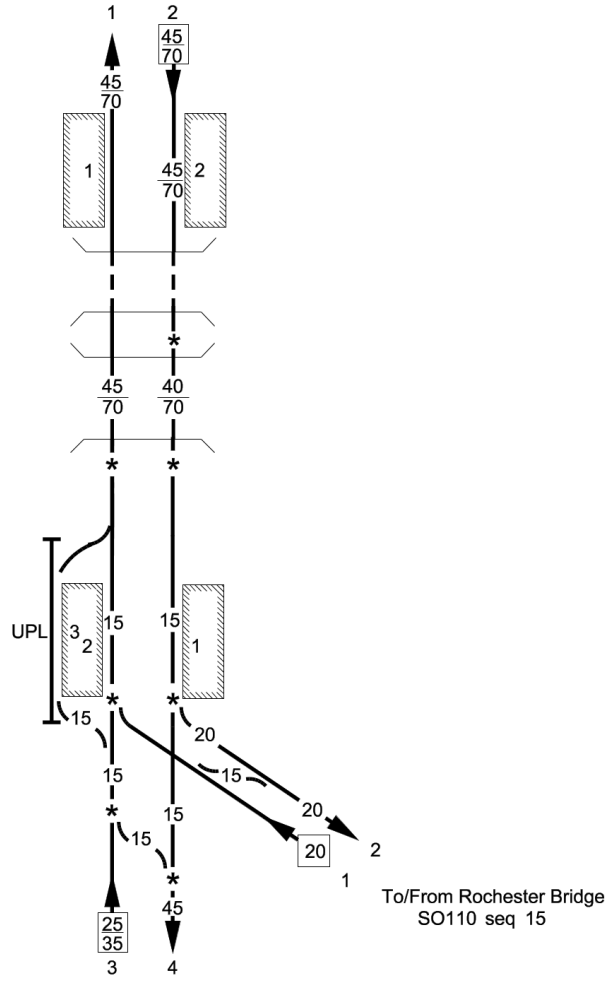
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Crayford Spur "B" Jcn	16 11		TCB Ashford IECC (NK) RA8 DC:Lewisham GSM-R CTLP-KNT-Kent-71-HDR-16m248yds
(Crayford Spur "A" Jn)	(16 41) (16 42)	To/From Crayford Creek Jn See SO290 seq 010	
	16 42 *		
Dartford Substation	16 45 * 16 66 * (via NK)		CTLP-KNT-Kent-63-HDR/CRA-16m44ch
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

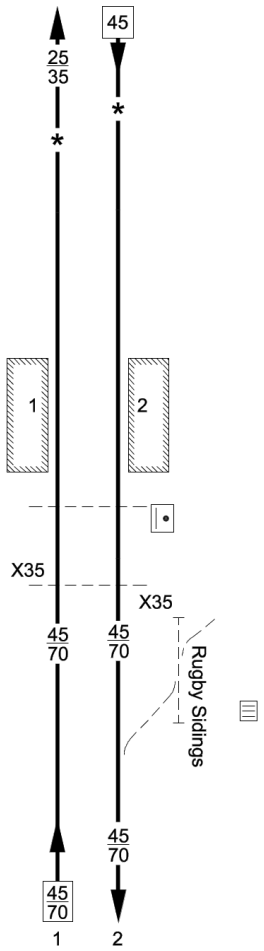
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	009	Hither Green to Maidstone West (via Dartford)	HDR PWS2	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCBEast Kent Signalling Centre (NK) RA8 DC:Paddock Wood GSM-R (CHATHAM 06)
Higham Substation	28 14		
HIGHAM	28 42		
Higham Tunnel (1531 yards)	28 55 to	T	
Tunnel Substation	29 46	T	
	29 48 *		
Strood Tunnel (1 Mile 569 yards)	29 48 to	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
	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)		CTLP-KNT-Kent-01-HDR-31m20.5ch Axle Counter Area (to SO110) 31m 28ch
	31 19 *		
(Rochester Bridge Jn)	(31 34)		1 Up North Kent 2 Down North Kent 3 Up Maidstone Branch 4 Down Maidstone Branch



LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	010	Hither Green to Maidstone West (via Dartford)	PWS2	Kent / Sussex	18/01/2025

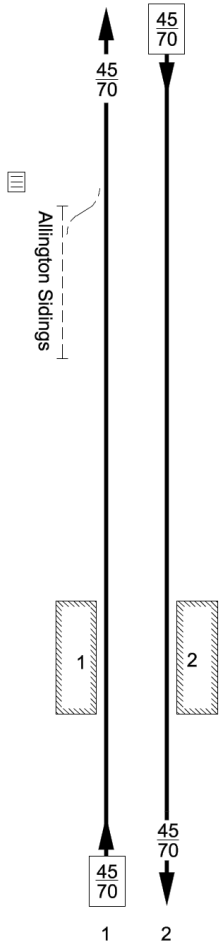
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Cuxton SB (CX) RA8 DC:Paddock Wood GSM-R
	31 30 *		
	31 36 *		
			CTLP-KNT-Kent-35-PWS2-32m45ch
Wickham TP Hut	33 02		
			AB
CUXTON	33 36		
Cuxton LC	33 39		
Cuxton SB (CX)	33 40		
North Halling Crossing (R/G)	34 33	T	
Halling Substation	34 63	T	
Halling Ground Frame	34 79	S	



1 Up Main
2 Down Main

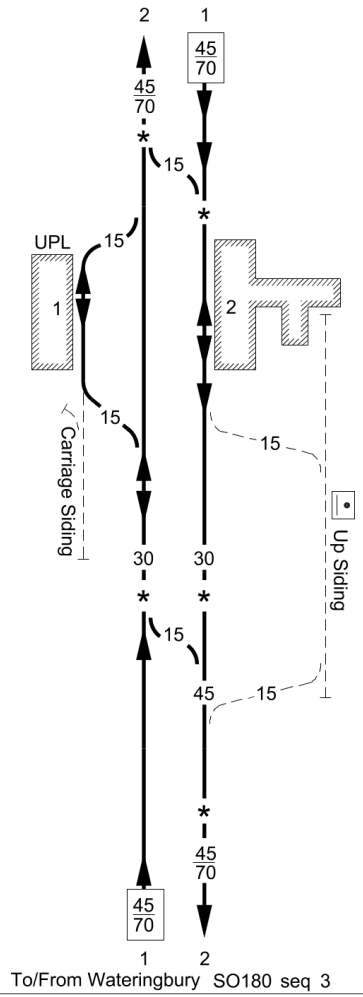
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO310	013	Hither Green to Maidstone West (via Dartford)	PWS2	Kent / Sussex	18/01/2025

Location	Mileage M 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	CTLP-KNT-Kent-36-PWS2-41m70ch
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

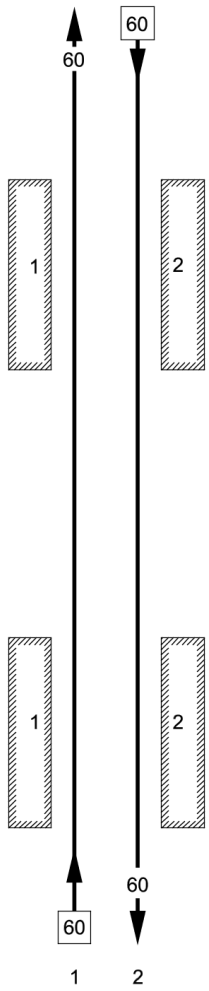
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R AB Maidstone West SB (MS) RA8 DC:Paddock Wood
	42 19 *		Note: Direction is Up from Maidstone West (MS) signal box to East Farleigh.
	42 29 *		
MAIDSTONE WEST	42 36		UPL 22
Change of Mileage	42 41 44 56		
Maidstone West SB (MS)	44 54		
	44 45 *		
	44 30 *		
(EAST FARLEIGH)	(42 75)		1 Down Main 2 Up Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO330	002	Nunhead to Hayes	LCH NCS LLL	Kent / Sussex	18/01/2025

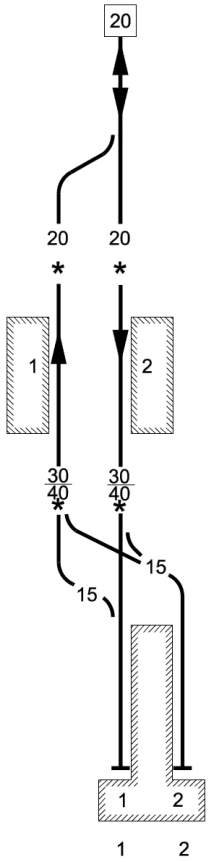
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Courthill Loop North Jn	6 21 * 6 25 *		TCB Three Bridges ROC RA8 Grove Park A Workstation (TL) DC:Lewisham GSM-R
(Courthill Loop South Jn)	(6 43)	T	
(Parks Bridge Jn)	(6 14)	To/From St. Johns SO130 seq 008 To/From Hither Green SO130 seq 008	
Ladyell Jn	6 41 (6 29)		CTLP-KNT-Kent-59-LCH-06m34ch
LADYWELL	6 62		
	6 67 *		1 Up Mid Kent 2 Down Mid Kent 3 Up Ladywell Loop 4 Down Ladywell Loop 5 Up Courthill Loop 6 Down Courthill Loop
Ladywell TP Hut	6 70		

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
			GSM-R TCB Three Bridges ROC RA8 Grove Park A Workstation (TL) DC:Lewisham
CATFORD BRIDGE	7 42		
Catford Substation	7 64		
LOWER SYDENHAM	9 02		
			1 Up Mid Kent 2 Down Mid Kent

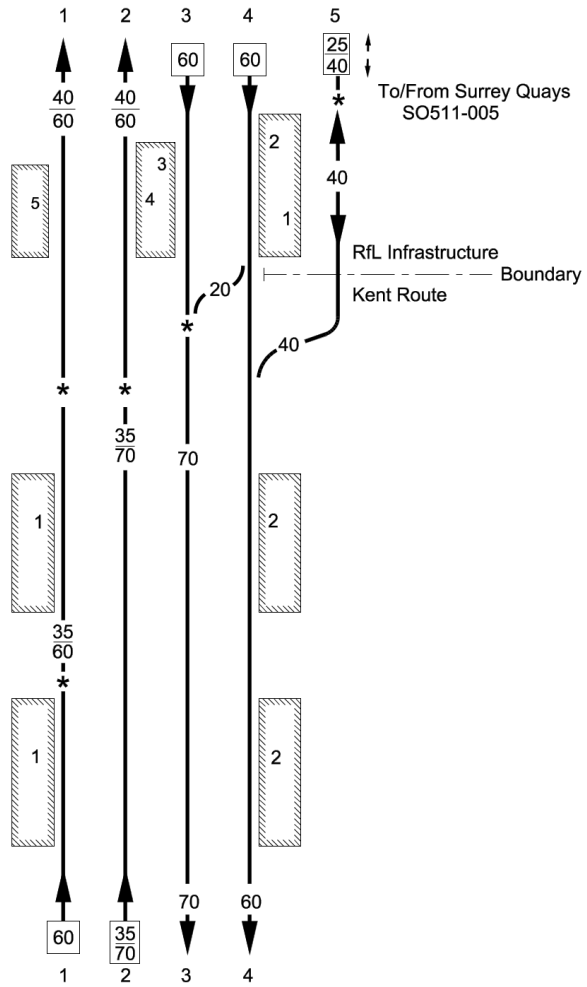


LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO350	001	Grove Park to Bromley North	BNG	Kent / Sussex	18/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		MAXIMUM PERMISSIBLE SPEED - 40 MPH To/From Grove Park SO130 seq 11	TCB Three Bridges ROC Grove Park B workstation (TL) RA8 DC: Lewisham GSM-R
(GROVE PARK)	(8 78)		
	9 18 *		Axle Counter Area CTLP-KNT-Kent-61-BNG-09m20ch
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
SO510	004	London Bridge to Epsom Downs	LBW ELL1	Kent / Sussex	18/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	(5 61) *		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
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		

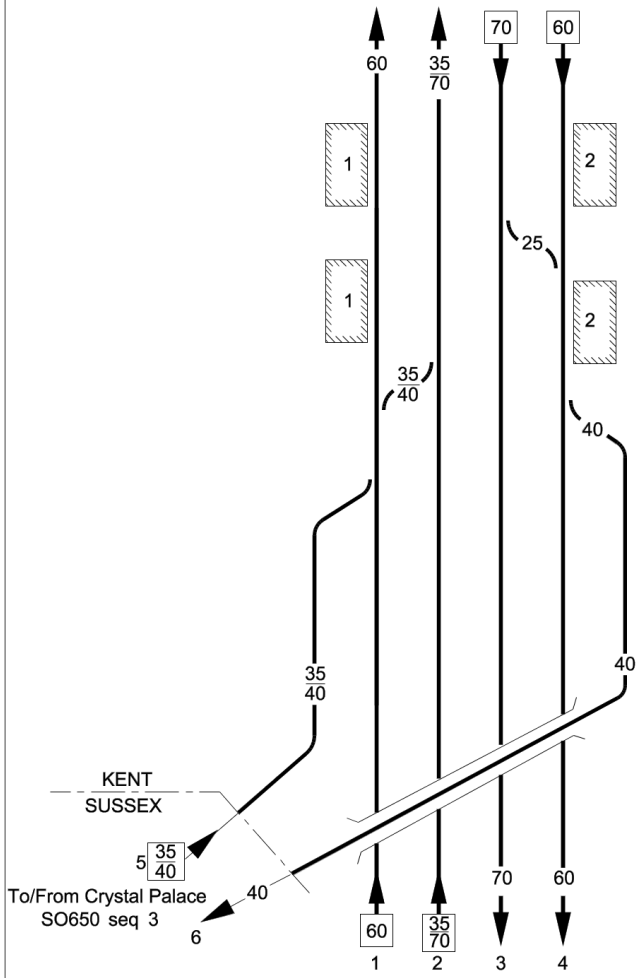


1 Up Sussex Slow
2 Up Sussex Fast
3 Down Sussex Fast
4 Down Sussex Slow
5 Down East London Line

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO510	005	London Bridge to Epsom Downs	LBW SCP	Kent / Sussex	18/01/2025

Location	Mileage M Ch
Forest Hill TP Hut	5 40
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)

Running lines & speed restrictions



Signalling & Remarks

TCB Three Bridges Rail Operating Centre (TL)
RA8 DC: Brighton

GSM-R

CTLP-KNT-Kent-81-LBW-5m839yds

1 Up Sussex Slow
2 Up Sussex Fast
3 Down Sussex Fast
4 Down Sussex Slow
5 Up Sydenham Spur
6 Down Sydenham Spur

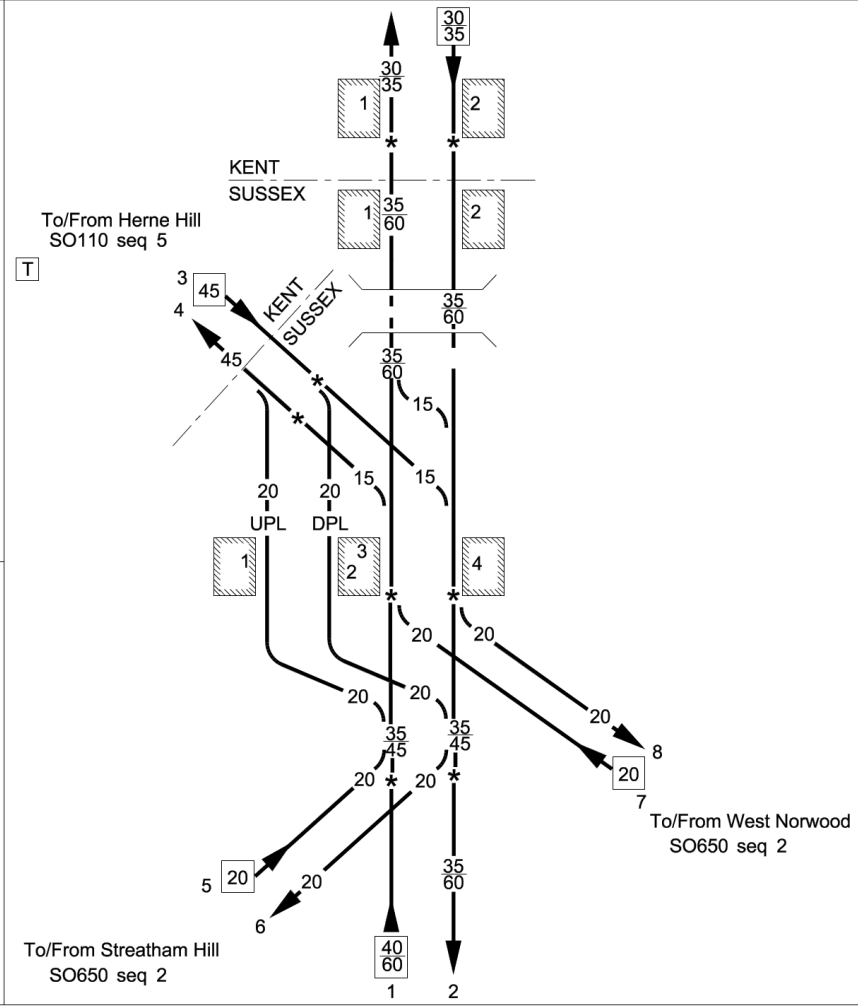
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	001	South Bermondsey Jn to Horsham	BTH1	Kent / Sussex	18/01/2025

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	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
	1 57 *	To / from Silwood Jn SO681-001 seq 001	PoSA and Emergency Point and Route Release Area Between South Bermondsey Jn and South Bermondsey Station.
SOUTH BERMONDSEY	1 62		
	1 67 *		AWS not provided for emergency and temporary speed restrictions between South Bermondsey Jn and South Bermondsey.
Uttley Jn	2 02		CTLP-KNT-Kent-55-BTH1-02m02ch
	2 06 *		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
Old Kent Road Jn	2 32		
QUEEN'S ROAD PECKHAM	2 58		Axle Counter area 2m 45ch CTLP-KNT-Kent-62-BTH1-03m20ch CTLP-KNT-Kent-77-BTH1-02m500yds
	3 27 *		
PECKHAM RYE	3 36	T	
	3 46 *		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
Peckham Rye Jn	3 47		
Peckham Rye TP Hut	3 49	T	
	3 53 *		
	3 55 *	For Atlantic lines SO645 seq 005	Note # Between Uttley Jn and Peckham Rye Jn is Down South London Line

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO680	002	South Bermondsey Jn to Horsham	BTH1 HHT	Kent / Sussex	02/11/2024

Location	Mileage M Ch
EAST DULWICH	4 23
	4 27 *
Route Boundary	4 44
NORTH DULWICH	4 64
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
	(5 02)
	6 12 *
Tulse Hill Substation	6 20
	6 25 *
(Leigham Jn)	(6 40)
(West Norwood Jn)	(6 41)

Running lines & speed restrictions



Signalling & Remarks

Axle Counter Area

GSM-R

TCB Three Bridges ROC (TL)
London Bridge Central C/E Workstation
RA8 DC: Lewisham

GSM-R

TCB Three Bridges ROC Tulse Hill W/S (TVC)
RA8 DC: Brighton

UPL 42
DPL 37

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

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247	07 December 2024
248	07 December 2024

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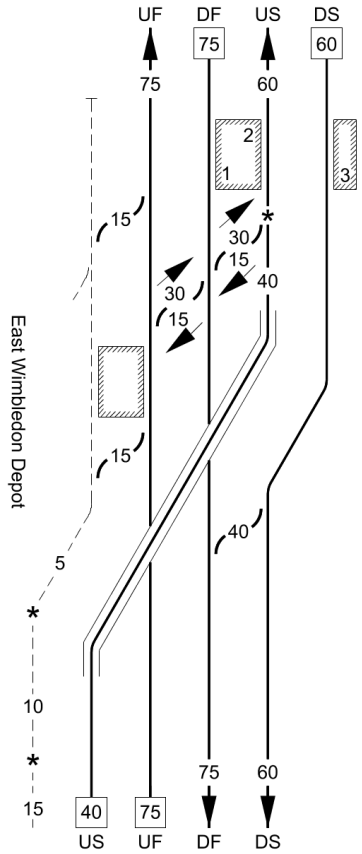
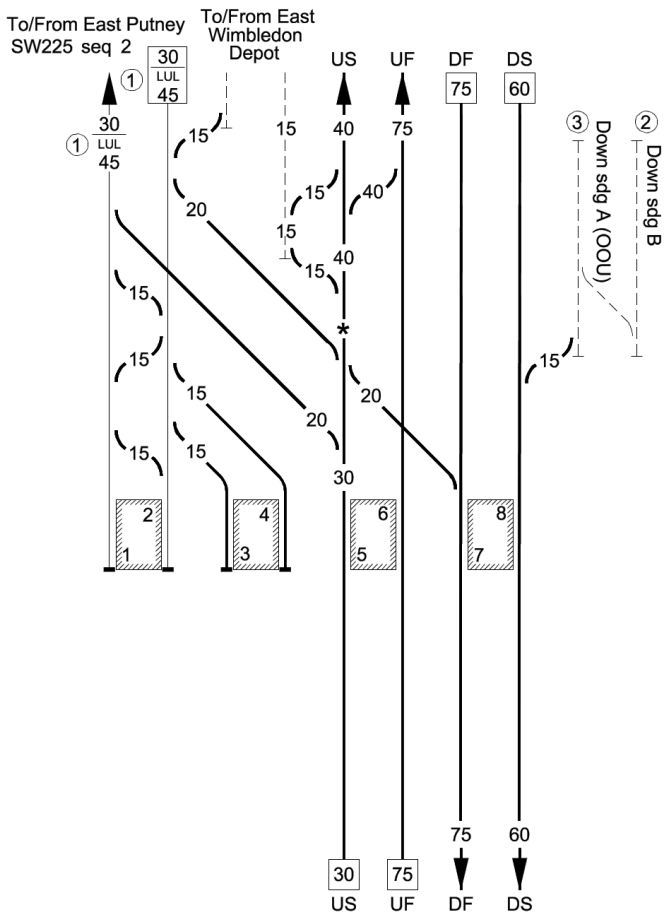
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	002	Clapham Junction to Weymouth	BML1	Wessex	25/01/2020

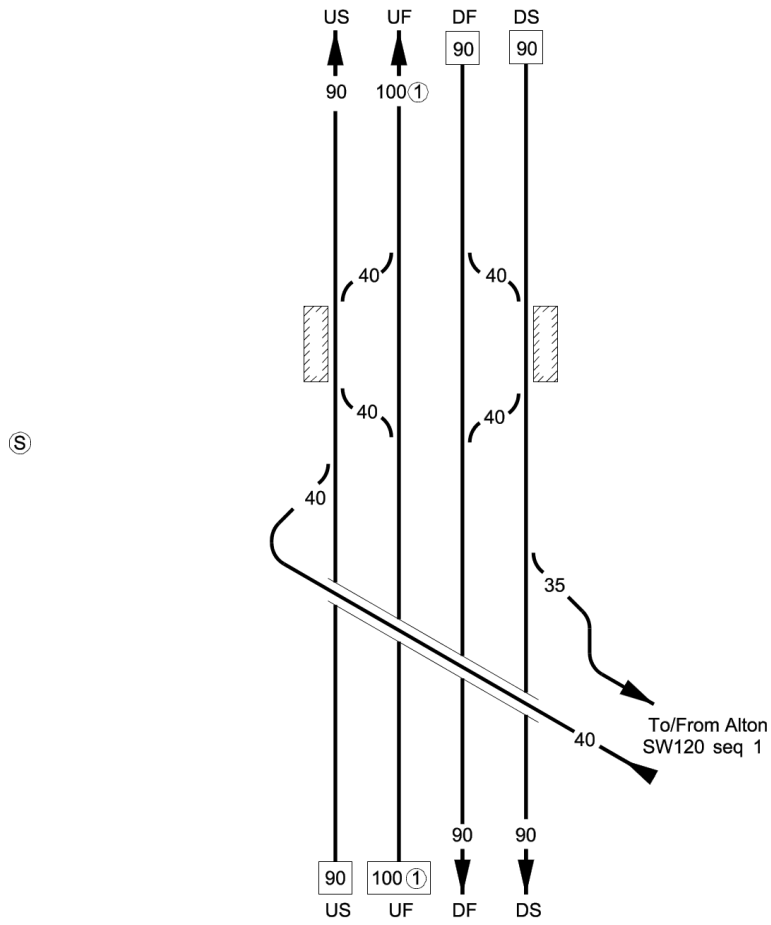
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
EARLSFIELD	05 46		TCB Wimbledon SC (W) RA8 DC: Raynes Park GSM-R
Staff Halt	06 28		
	06 45 *		
	06 64 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	003	Clapham Junction to Weymouth	PPW BML1	Wessex	06/01/2025

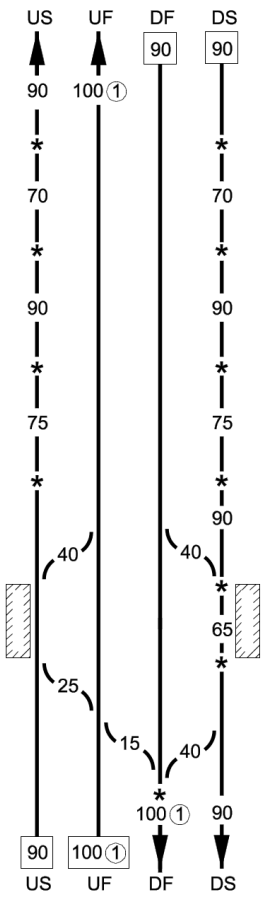
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
WIMBLEDON	07 03 * 07 19 (08 47)		GSM-R TCB Wimbledon SC (W) RA8 DC: Raynes Park ① 45mph applies to LUL trains only ② Signed back in to use but remains de-energised ③ Lines to/from Down siding A are out of use. Points are clipped & plugged (C&P) Mileage shown in brackets ( ) applies via East Putney

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	014	Clapham Junction to Weymouth	BML1 PAA1	Wessex	06/01/2025

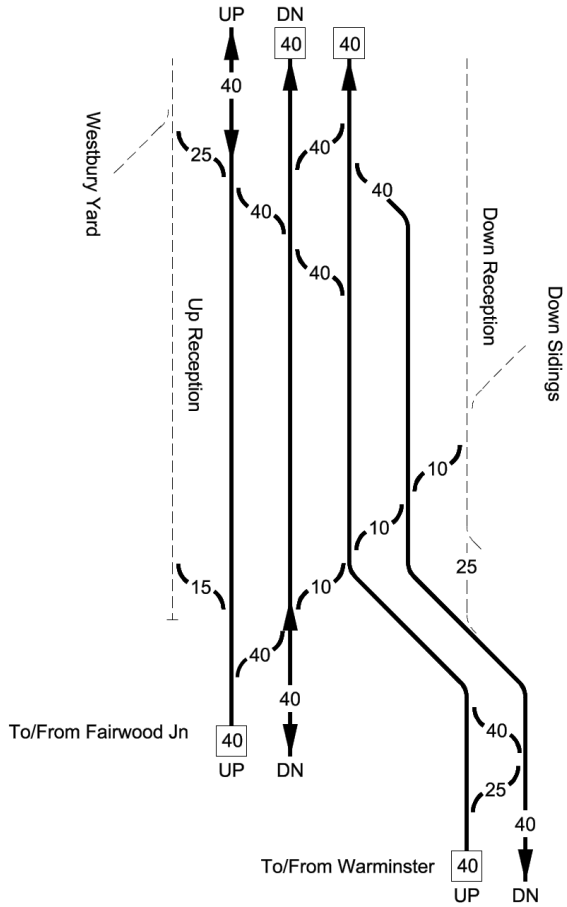
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BROOKWOOD	27 79		TCB Woking SB RA8 DC:Eastleigh GSM-R ① - Trains other than those composed entirely of Class 442, 444,450,458/4 ECS#,701,707 units or HST's must not exceed 90 mph #458/4 testing conditions only until 02/11/2024.
Pirbright Jn	29 39		



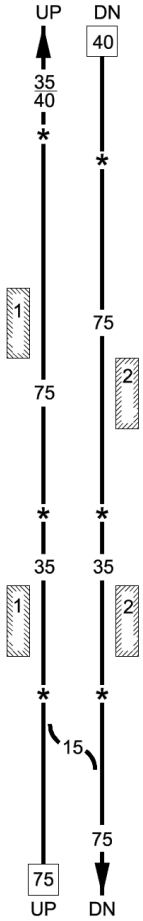
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW105	015	Clapham Junction to Weymouth	BML1	Wessex	21/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			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
	29 70 *		
	30 30 *		
	31 20 *		
	31 50 *		
	33 08 *		
FARNBOROUGH	33 17		
	33 31 *		
	33 43 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW170	002	Westbury to Wilton Junction	WEY SAL	Wessex	24/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Westbury South Jn Change of ELR	110 7		TCB Westbury SB (W) RA8 GSM-R Permissive working authorised for Class 3 to 8 and 0 trains on Up and Down reception lines WEY SAL

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW170	003	Westbury to Wilton Junction	SAL	Wessex	24/01/2025

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Westbury SB (W) RA8 GSM-R
	110 40 *		
	110 28 *		
DILTON MARSH	111 11		
	114 33 *		
WARMINSTER	114 37		
	114 40 *		

LIST OF MODULE PAGES AND DATES

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2	**01 March 2025**
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2B	**01 March 2025**
3	06 September 2014
4	06 September 2014
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6	04 September 2021
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66A	07 June 2014
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