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Rule Book Module G1 - General safety responsibilities

Section 5 - Communications procedure

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

It is now authorised to use to caution Drivers via operational safety messages for 5 scenarios using a GSM-R berth-triggered broadcast, with the Driver confirming receipt and acknowledging a clear understanding of the broadcast by using the GSM-R 'ST' acknowledgement button. All GSM-R Fitted Units in the area will receive these Broadcasts. The berth triggered safety broadcasts process can be used for live events for the five scenarios listed:

- Poor railhead conditions.
- Animals on the line.
- Defective Emergency Indicators.
- Wheel Impact Load Detector Activations.
- Unusual events (Not Track or Signalling).

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

- Poor railhead conditions.
- Animals on the line.
- Defective Emergency Indicators.
- Wheel Impact Load Detector Activations.
- Unusual events (Not Track or Signalling).

The berth trigger broadcasts will be in the following areas:
The berth trigger broadcasts will be on all Anglia Routes, subject to Signal Box Special Instructions.

Methodology

1. Signaller records the berth triggered safety broadcast to a set script and stores it on the system.
2. Signaller sets up the berth triggered safety broadcast at the appropriate signal berth.
3. Signaller will maintain the protecting signal at danger. This is the signal where the Signaller would stop and caution the train if the Signaller does not receive the acknowledgement.
4. The safety broadcast will be made automatically to each train occupying the designated berth(s).
5. The Driver acknowledges that the safety broadcast has been received and that it has been understood by pressing the ST Button.
6. The protecting signal is maintained at danger until the signaller has received an acknowledgement from the approaching train. The acknowledgement will be an 'Acknowledgement' (ACK) message from the Driver.
7. The protecting signal may be cleared when the Signaller receives the acknowledgement message.
8. If the acknowledgement message is not received by the Signaller the protecting signal remains at danger and the Driver obeys all signals as normal.
9. When the caution message is received and acknowledged by the Driver they will continue to obey all signals and apply the appropriate rule over the section of line.

Broadcast Message Content

Poor Railhead

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

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

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

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

Unusual events
'This is a safety broadcast from the signaller at _____. *_____. Only acknowledge if you have fully understood this message. To acknowledge, press the ST Button. End of safety broadcast
*Insert details of the incident, location and any speed restriction in the main body of the broadcast
Note:
Unusual events and structure faults can include overcrowding on station platforms or loose canopy on stations platforms. These locations must be easily identifiable by both the signaller and the driver.

Trial using GSM-R to advise drivers of speed restrictions due to Critical Rail Temperature (CRT) (heat related speed) Sites and Underline Bridge Strikes between 23/06/19 to 23/12/19.

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

The trial involves *Greater Anglia, MTR, c2c and freight s*ervices only and will be for CRT Sites and Underline Bridge Strikes.

The trial will be limited to the following areas only:

Upminster IECC – London Fenchurch St to Shoeburyness inclusive (Thameside)
Liverpool St IECC – London Liverpool St to Shenfield inclusive (Mains and Electric Lines)

Methodology

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

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

Message Content

Bridge Strike (Underline Bridge Only)

"This is a safety broadcast from the Signaller at_____. A Bridge Strike has occurred at _____ (Name) Bridge Number _____ which is situated beyond signal number _____. You must proceed over this Bridge at no more than 20 mph. If understood, press the ST button."

Critical Rail Temperature Sites

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

Anglia Route GI - Dated: 29/06/19

Rule Book Module P1 - Single line working

Single Line Working terminating at a junction with a Track Circuit Block (TCB) single line

If Single Line Working terminates at a junction with a Track Circuit Block (TCB) single line and it is necessary for a train that has arrived in the wrong direction to pass at Danger the signal controlling entrance to the TCB single line, the Signaller must observe the provisions of Module TS11 Section 9.1 .

The signaller must inform the driver that all track circuits are functioning correctly and instructed to proceed cautiously to the next stop signal.

Anglia Route GI - Dated: 07/12/13

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

Section 1, Clause 1.2 - Exceptions

b) Track circuits or signalling equipment failure

Failure of a track circuit or of signalling equipment - Single lines worked by the track circuit block system
Working by pilotman is not needed in the locations listed below in one direction only.

Locations	Circumstances / Remarks
EA1013 – Over Trowse Swing Bridge	In the event of a track circuit failure only. (trains may be worked in either direction).
EA1110 – Between Walton-on the-Naze and Kirby Cross	In the event of a track circuit failure only. (a train may be worked in the Up direction only).
EA1120 – Between Harwich Town and Harwich International Port	In the event of a track circuit failure only. (a train may be worked in the Up direction only).
EA1360 – Between Neasden Jn and Neasden South Jn	Failure of a track circuit, or of signalling equipment
EA1360 – Between Acton Canal Wharf and Willesden Junction (Up and Down Acton Branch	Failure of a track circuit, or of signalling equipment

Modified working in accordance with Rule Book Module P2 - Section 1.2.1 and section 7 is authorised in the table below

Locations	Remarks
EA1060 between North Fambridge and Southminster	The 3177 forms will be held in cabinets locked with BR No.1 keys at North Fambridge and Southminster stations.
EA1070 between Witham Jn and Braintree	The 3177 forms will be held in cabinets locked with BR No.1 key at Witham Station. Not allowed during complete failure of ARS Not allowed if MW already in force on EA1080
EA1080 between Marks Tey Jn and Sudbury	The 3177 forms will be held in cabinets locked with BR No.1 key at Marks Tey station. Not allowed during complete failure of ARS Not allowed if TAWS is not available Not allowed if MW already in force on EA1070
EA1162 between Littleport and Kings Lynn	The 3177 forms must be given by the Driver to the Signaller at the signal box to which the train is authorised to proceed, immediately upon arrival.
EA1410 between Upminster and Ockendon	NB RB Module P2 1.2.2.2 can also apply where nominated by the Signaller at Upminster Work Station 1. C2C drivers will be issued with a supply of 3177 forms Modified working is only permitted when trains between Ockendon and West Thurrock Jn can be signalled normally.
EA1410 between Ockendon and West Thurrock Jn	NB RB Module P2 1.2.2.2 can also apply where nominated by the Signaller at Upminster Work Station 1. C2C drivers will be issued with a supply of 3177 forms Modified working is only permitted when trains between Ockendon and Upminster can be signalled normally.
EA1430 between Woodbridge & Saxmundham	No further trains must leave Westerfield or Lowestoft until pilot working has been introduced or the failure has rectified. **Responsible person – Local Operations Manager**

EA1430 between Halesworth & Beccles	**No further trains must leave Westerfield or Lowestoft until pilot working has been introduced or the failure has rectified.** Responsible person – Local Operations Manager
EA1430 between Beccles & Oulton Broad South	No further trains must leave Westerfield or Lowestoft until pilot working has been introduced or the failure has rectified. **Responsible person – Local Operations Manager**
EA1440 between Westerfield & Derby Road	Must only be applied when no other modified working has been authorised by Felixstowe workstation
EA1440 between Derby Road & Gun Lane Jn	Must only be applied when no other modified working has been authorised by Felixstowe workstation
EA1440 between Trimley & Felixstowe Beach Jn	Must only be applied when no other modified working has been authorised by Felixstowe workstation
EA1440 between Felixstowe Beach Jn & Felixstowe Town	Must only be applied when no other modified working has been authorised by Felixstowe workstation
EA1450 between Trimley & Felixstowe North Quay	Must only be applied when no other modified working has been authorised by Felixstowe workstation
EA1460 between Felixstowe Beach Jn & Felixstowe Beach	Must only be applied when no other modified working has been authorised by Felixstowe workstation
EA1480 between Hoveton & Wroxham and North Walsham	Only to allow a train already in service to complete its journey. No further Sheringham line trains must leave Norwich until pilot working has been introduced or the failure has rectified # The 3177 forms will be located in a cabinet near to the SPT of the appropriate signal.
EA1480 between North Walsham and Cromer	Only to allow a train already in service to complete its journey. No further Sheringham line trains must leave Norwich until pilot working has been introduced or the failure has rectified # The 3177 forms will be located in a cabinet near to the SPT of the appropriate signal.
EA1480 between Cromer and Sheringham	Not allowed during the Working of trains to/from the North Norfolk Railway at Sheringham No further Sheringham line trains must leave Norwich until pilot working has been introduced or the failure has rectified.# The 3177 forms will be located in a cabinet near to the SPT of the appropriate signal
EA1500 between Acle and Brundall	The 3177 forms must be given by the Driver to the Signaller at the signal box to which the train is authorised to proceed, immediately upon arrival.
EA1500 between Brundall and Yarmouth	The 3177 forms must be given by the Driver to the Signaller at the signal box to which the train is authorised to proceed, immediately upon arrival.
EA1510 between Yarmouth and Reedham Jn	The 3177 forms must be given by the Driver to the Signaller at the signal box to which the train is authorised to proceed, immediately upon arrival.
EA1530 between Coldham Lane Jn and Dullingham	The 3177 forms for Down trains will be held in the special cabinet on CA195 signal post which can be unlocked with a 222A key Up trains must cancel the 3177 form by telephone to the Cambridge Signaller immediately upon arrival at Cambridge station
EA1530 between Dullingham and Chippenham Jn	The 3177 forms must be given by the Driver to the Signaller at the signal box to which the train is authorised to proceed, immediately upon arrival.

- If there are no trains on the Cromer branch at the time of the failure, then one train may be permitted to leave Norwich and return, in order to attempt to reset the axle counters

Anglia Route GI - Dated: 29/05/19

Rule Book Module S5 - Passing a signal at danger : Part A Passing a signal at danger on the signaller's authority

Section 3 - Authorising the movement

Signal Passed at Danger (SPAD) Indicators

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

Anglia Route GI - Dated: 03/02/07

Rule Book Module S5 – Passing a signal at danger

Section 6 - Temporary block working

Where it is necessary to implement TBW but the signal on the approach to the affected area and/or the signal beyond the affected area is in an area worked by other than TCB Regulations, the Route Operations Manager or his representative may give permission for the Temporary Block section(s) to be extended to include that signal.

Anglia Route GI - Dated: 07/12/13

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Rule Book Module SP - Speeds : Permissible speeds and enhanced permissible speeds

Section 2.1 - Permissible speed indicators

This is what the letters mean:

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

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

National exceptions to MU trains

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

National GI - Dated: 07/12/13

Rule Book Module SP - Speeds : Emergency speed restriction

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

If an emergency speed restriction (ESR) is imposed and before the speed restriction equipment has been set up, the signaller will tell the driver of a train to pass over the ESR the actual speed limit that has been imposed by the engineer. It will no longer be necessary for the drivers of all trains to proceed at no more than 20 mph prior to the erection of the speed restriction equipment but drivers must travel over the restriction at no more than the speed given by the signaller.

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

National GI - Dated: 07/06/14

Rule Book Module SP Section 3 – Temporary Speed Restriction (TSR)

Trial introducing a new sign similar in its appearance and specification to the existing 'T' indicator but bearing the letter 'A' meaning 'accelerate' located underneath the 'T' indicator for the temporary speed restriction.

During the trial the Driver will be able to accelerate when the front of the train reaches the 'A' and 'T' indicators. Where the 'A' indicator is not visible the Driver will comply with Rule Book module SP and accelerate when the rear of the train passes the 'T' indicator.

During the trial the 'A' indicator may be removed and the trial suspended if:

- • an ESR is imposed over the same section of line,
- • where there is a consecutive TSR after the trial location or
- • where a complex TSR is introduced.

The trial involves the following level crossings:

EA1012 Ipswich to Trowse Jn.

Between Needham Market and Stowmarket

- **Gypsy Lane FP LC – Down Main 77m 64ch**

EA1580 Ely North Jn to Trowse Jn

Between Thetford and Harling Road

- **Croxton AHB LC – 96m 44ch**

Between Spooner Row and Wymondham

- **Park Lane FP LC – 113m 34ch**

Anglia Route GI - Dated: 19/02/22

Rule Book Module TS1 - General signalling regulations

Section 13 - Safety of personnel

Engineers Possession Reminders

EPR is authorised to be used as additional protection to protect line blockages in axle counter fitted.in the Locations listed below

The COSS/SWL/PC must reach a clear understanding with the signaller as to the exact limits of the line blockage. The signaller is responsible for identifying the track sections where EPR will be applied as additional protection to protect the work.

EA1580 - Ely North Jn to Trowse Jn

EPR Protection can be taken with Thetford Work Station

Anglia Route GI - Dated: 26/03/22

Class 755 Changeover Protection System

In the event of a pantograph automatically lowering on a Class 755, the Driver must ascertain the cause from the Train Control Management System (TCMS). The Driver must inform the Signaller of the reason for the pantograph lowering, who must relay this information to Operations Control.

If the Changeover Protection system has operated:

- The Driver must confirm all pantographs are correctly lowered.
- The train may be allowed to continue normally.
- There is no requirement to examine the overhead line equipment.
- Normal working may be resumed.
- Notify Operations Control.

If the ADD has operated or may have operated, the normal requirements of the Rule Book apply:

•AC/12 - Driver's instructions following a loss of line light, ADD operation, tripping or damage to the OLE.

•AC/13 - Signaller's instructions following a report of a defect or tripping of the OLE.

Engineers Possession Reminders

EPR is authorised to be used as additional protection to protect line blockages in axle counter fitted.in the Locations listed below

The COSS/SWL/PC must reach a clear understanding with the signaller as to the exact limits of the line blockage. The signaller is responsible for identifying the track sections where EPR will be applied as additional protection to protect the work.

EA1580 - Ely North Jn to Trowse Jn

EPR Protection can be taken with Thetford Work Station

Anglia Route GI -Dated: 30/12/2023

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

Section 2, Clause 2.1 - (PICOP) Confirming the details

At terminal and bay platforms within the Anglia Route the signaller is permitted to grant possession to the PICOP when the platform is occupied by an empty coaching stock train, provided that:

•the platform is equipped with a platform starting signal which has been placed & maintained at Danger,

•the train is berthed at the buffer stop end of the platform

•the arrangements have been published within the possession details.

The signaller must confirm the arrangements with the PICOP before granting the possession.

The Rule Book, module T3 is modified accordingly.

Anglia Route GI - Dated: 07/06/2014

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

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

Handbook 11 - Duties of the person in charge of the possession

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

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

Anglia Route GI - Dated: 07/06/2014

Rule Book Module TS11 – Failure of, or work on, signalling equipment – signallers regulations

On Network Rail Anglia Route, the Signaller is required to contact the appropriate Incident Controller directly by telephone and obtain a fault number:

- Great Eastern Incident Controllers – 085 73609
- West Anglia Incident Controllers – 085 73619
- North London Line/East London Line/Thameside – 085 73615

For external numbers 0207 979 xxxx (xxxx last 4 digits of above numbers)

Anglia Route GI - Dated: 07/12/13

Rule Book Module TW1 - Preparation and movement of trains :

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

Broken or Distorted Rails in Tunnels

This instruction applies only to those tunnels listed below and designated in the Signalling & Remarks column of Table A.

The Rail Defect Examiner or Rail Defect Nominee who is certified competent in examining broken or distorted rails, may authorise trains to proceed over a broken or distorted rail or a rail with broken fishplates in the tunnels listed below and designated in Table A, provided the following conditions are met:-

- All conditions which allow trains to travel over the rail apply.
- The person conducting the examination of the rail is supplied with a torch of sufficient power to effectively examine the rail and a handlamp capable of displaying a red handsignal.
- Where provided, the tunnel lights are switched on.
- The affected line must be blocked to all traffic prior to any examination of the rail taking place.
- The person conducting the examination of the rail, must come to a complete understanding with the Signaller concerned before entering the tunnel.
- During the passage of a train over the rail, the person conducting the examination, MUST be standing in the following positions of safety as listed in the table below:-

Tunnel	**Position of safety during the passage of a train over the broken rail**
Bishopsgate, Queens Road, Clapton, Audley End, Littlebury, Stoke Newington, Hoe Street, Hampstead Heath Ipswich Crouch Hill	If possible, outside of the tunnel, or in a refuge on the **opposite side** of the tunnel to the affected line **and** at least 15 yards on the approach to the broken or distorted rail.
Stansted Airport**,*** Warren Hill,***** Covered Way (Gospel Oak)**.#**	Outside of the tunnel
*****This instruction must only be complied with for this tunnel, if the broken or distorted rail is within 250 yards of either tunnel entrance. **.#** This instruction does not apply to the Up & Down lines to/from Carlton Road Jn.	

The speed restriction of 5 mph over the rail must be imposed from tunnel portal to tunnel portal, except where signals within the tunnel can be used to more clearly define the portion of line concerned.

NO TRAIN is allowed to pass over the adjoining line in the tunnel while a train is passing over the broken or distorted rail.

Anglia Route GI - Dated: 07/12/13

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

Section 7 Hauling dead traction units

When more than two locomotives (including hauling and dead locomotives) are to be coupled together, it will not be necessary to obtain the authority provided the conditions in the Route Availability of Diesel and Electric Locomotives booklet are observed.

Anglia Route GI - Dated: 07/12/13

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

Section 25.4 - Moving vehicles with wheelskates

Instructions to be carried out, and conditions of movement, when a wheelskate is used

Traction units or vehicles fitted with wheelskates must not pass over the following portions of line unless the Signalling Technician is in attendance in order to re-set the axle counter equipment following the passage of the train:-

- EA1310 – Between Camden Road West Junction and beyond Willesden High Level Junction (all lines and connections)
- EA1320 – Between Stratford Platforms 1 & 2/Channelsea South Jn/Temple Mills East Jn to beyond Camden Road West Jn (all lines and connections)
- EA1370 – Between South Tottenham East Junction and Leyton Midland Road station (both Up and Down lines)
- EA1430 – Between Westerfield Junction (excl) and Oulton Broad South (all lines)
- EA1470 – Between Whitlingham Junction and Brundall Junction (both Up and Down lines).
- EA1480 – Between Whitlingham Junction and Cromer (both Up and Down and Single lines).
- EA1580 - Between Ely North Junction and Trowse Junctions (both Up and Down and Single lines).

Anglia Route GI - Dated: 07/12/13

Rule Book Module TW7 - Wrong-direction movements

Section 1, Clause 1.1 – Authority for a wrong-direction movement

Station overruns in the area controlled by Liverpool Street IECC

A train will not be authorised to return as a wrong-direction movement in the event of a station overrun between Monday to Friday (between the hours of 0600 and 2100) for services booked to call at stations between the following locations:

- Broxbourne and London Liverpool Street Station via the Lea Valley and Southbury Loop via Seven Sisters
- Witham/Southend Victoria and London Liverpool Street Station

In the event of a station overrun within these areas and times listed above the following instructions are to be followed;

- the Driver and Signaller must always ensure a clear understanding is reached.
- the Signaller must advise Control of all station overrun incidents.
- the affected service will continue forward, calling at its booked stops only, unless authorised otherwise by Control

Control will not normally authorise Special Stop Orders on subsequent services unless safety will be compromised

Anglia Route GI - Dated: 07/07/12

Handbook 8/21& Rule Book Module TS1, Regulation 13.2 – IWA, COSS, PC or SWL blocking a line

Planning and Protection Arrangements

On all lines listed within the Anglia Route Sectional Appendix – line blockages must be planned so as to limit the extent of the blockage to affect no more than two signalboxes at a time. If, due to exceptional circumstances, it becomes necessary to plan a blockage which affects more than two signalbox areas then the authority of the Network Rail Operations Manager or his nominated deputy must be obtained.

Handbook 8, Section 2, Clause 2.3 – Disconnecting signalling equipment

Protection arrangements

For the purposes of this procedure a track circuit may be considered as part of the signalling controls. Points which can be disconnected, maintained, and detected, in one position which could be used to prevent trains approaching may also be considered part of the signalling controls.

Where reliance is placed on the occupancy of a track circuit, signal technicians shall satisfy themselves that the protection is not compromised by the setting of shunt, call-on or warner class routes nor the approach control of main aspects.

Anglia Route GI – Dated: 06/12/14

Handbook 8 / 21 –COSS, IWA, PC or SWL blocking a line

Rule Book Module TS1, Regulation 13.2 –COSS, IWA, PC or SWL blocking a line
Rule Book Module T3, Possession of a running line for engineering work

Swing bridges at Trowse, Reedham, Somerleyton and Oulton Broad

Rule Book Modules TS1, Regulation 13.2
When a blockage is to be arranged which will include the signal section that passes over the swing bridge then the COSS/IWA or SWL must come to a clear understanding that either:
the swing bridge will remain closed to river traffic for the duration of the blockage.

OR

the signaller will obtain the COSS/IWA or SWL's authority before opening the bridge to river traffic.

Rule Book Module T3

Note: Whenever possible, possessions should always be planned so that the swing bridge is outside the possession limits.

When a T3 possession is to be arranged which includes a swing bridge, and any point within 100 yards/metres of the swing bridge, then one of the following methods of protection must be adopted.

A **When no work is required to take place on or within 100 yards/metres of the swing bridge and no engineering trains or on-track plant is working within the overall possession.**
It is not necessary to provide marker boards to protect the bridge; however, the signaller must obtain the authority of the PICOP to open the bridge to river traffic as required. Where possible, before granting the possession to the PICOP, the signaller will advise the PICOP of any river traffic that may be required to pass the bridge during the possession.

B **When no work is required to take place on or within 300 yards/metres of the swing bridge and engineering trains or on-track plant are working within a worksite which is more than 300 yards/metres from the swing bridge.**
A separate worksite must be created to protect the bridge. When the swing bridge worksite marker boards (Must be positioned 100 yards/metres from either side.) have been put in place and the T3 has been granted, the PICOP must advise the signaller that the bridge may be operated as normal. In these circumstances the PICOP must act as, or appoint an ES or SWL for the bridge worksite

When an engineering train or on-track plant is required to pass through the swing bridge worksite.
The PICOP must receive an assurance from the signaller that the swing bridge is closed and secured for rail traffic before arranging with the ES or SWL for the movement to pass the worksite marker board. When the movement has passed clear of the worksite and the marker boards reinstated; the PICOP must advise the signaller that the bridge can again be operated as normal

C **When work is required to take place within 300 yards/metres of the swing bridge and engineering trains or on-track plant is working within 300 yards/metres of the swing bridge.**
In these circumstances, a separate worksite for the swing bridge(s) is not required as the swing bridge(s) will be part of a larger worksite.

The signaller and PICOP must agree prior to the possession being granted that the swing bridge will remain closed to river traffic for the duration of the possession.

If, in unforeseen circumstances, the swing bridge is required to be opened to river traffic. A temporary swing bridge worksite must be created and the conditions as described in B above applied before the bridge is operated. The temporary swing bridge worksite may be withdrawn once the swing bridge is closed, and will no longer be required to operate.

Anglia Route GI – Dated: 11/08/2018

Handbook 8 & HB21- IWA, COSS,PC or SWL blocking a line & Module TS1 – General Signalling Regulations

Line Blockage Change of COSS

If you are a new COSS taking duty you must tell the Signaller

If you are the new COSS when a signal box that has been closed is reopened, you must tell the signaller that the COSS has changed.

Where a PC or SWL is appointed, the PC or SWL must carryout the role of the COSS as described above when applicable.

Anglia Route GI - Dated: 06/12/14

• Handbook 8 & HB21 – IWA, COSS,PC or SWL blocking a line

• Section 2.4/Module TS1, Regulation 13.2.4

- T-CODS are authorised to be used at certain specified locations. These locations are listed in Table T below.
- Care must be taken when placing the T-COD, so that it is not placed near any points or crossovers. T-CODS must not be used where there are check rails or guard rails
- Remote Controlled T-CODS have been installed and are authorised to be used at the locations specified below in Table RCT.
- Please Note that Remote Controlled TCOD have been installed in conjunction with the Registered prohibitions in Table T

Table T - Sections Of Running Lines Where T-Cods Can Be Used Section 8, Clause 8.2.

• **Routes and Locations on which T-COD can be used (subject to the restrictions stated in the remarks column)**	• **Remarks (to include any Locations/Sections where T-COD Cannot be used in Addition to those in Handbooks)**
• EA1010 Liverpool Street Platforms	T-CODS must only be placed at the starting Signal at the end of the platform (please refer to local instruction in Section 5).
• EA1010 Liverpool Street Country side of 0m 27ch All Lines to Seven Kings	All platform lines at Stratford are prohibited. Connections into and including Aldersbrook Sidings are prohibited Connections into and including Ilford Depot are prohibited
• EA1011 Seven Kings to Ipswich	Connections into and including Gidea Park Carriage sidings & shunt spurs are prohibited All platform lines at Shenfield are prohibited Shenfield No.'s 1 & 2 Middle Sidings are prohibited Down Main Between Signals L677 and L712 and Up Main between Signals L714 and L679 (protecting signals for Ingatestone crossing) are prohibited. Down Main Between Signals L685 and L724 and Up Main between Signals L726 and L687 (protecting signals for Church Lane crossing) are prohibited. The Chelmsford — Hatfield Peverel area between Signals L703 and L751 on the Down Main and Signals L800 and L740 on the Up Main are equipped with TOWS and the TOWS equipment will need to be disabled before applying the T-COD Platform 1 & 4 at Witham are prohibited Down Main line at Kelvedon between Signals L787 and L801 and Up Main line at Kelvedon between Signals L848 and L834 are prohibited. The Kelvedon — Marks Tey area between Signals L801 and L837 on the Down Main and Signals L882 and L848 on the Up Main are equipped with TOWS and the TOWS equipment will need to be disabled before applying the T-COD Chitts Hill CCTV crossing - Down Main line from signal CO1007 to signal CO1009 and Up Main line from signal CO1008 to signal CO1006. All platform lines at Colchester Station, connections into and including Colchester carriage sidings and Down sidings and no's 1 & 2 Reception roads are prohibited. Down Main signal CO183 to Ardleigh crossing and Up Main Signal CO184 to Ardleigh crossing are prohibited. Down Main Signal CO191 to Manningtree level crossing and Up Main signals CO198 to Co194 at Manningtree station are prohibited. Down Main line at Bentley between signals CO271 and CO277 and Up Main line at Bentley between signals CO280 and CO274 are prohibited. The Up & Down lines in Ipswich Tunnel are prohibited. All platform lines at Ipswich station are prohibited

• EA1012 Ipswich to Trowse Jn	Connections into and including Ipswich Carriage sidings, Field sidings and no's 1 to 3 Reception roads and Upper yard are prohibited. Down line at Claydon between signals CO371 and CO381 including the Down Goods loop and the Up line at Baylham/Claydon between signals CO380 and CO370 including Barham sidings are prohibited. The Down and Up Goods Loop and sidings at Stowmarket are prohibited.
• EA1012 Ipswich to Trowse Jn, continued	LTN1 Down Main: Cow Green GSP CO415 signal (85m 10ch) to CO423 signal (89m 28ch) T-COD **must** be placed on 8511 track circuit LTN1 Down Main: Flordon GSP CO453 signal (106m 48ch) to CO543 signal (112m 52ch) T-COD **must** be placed on 0611 track circuit LTN1 Up Main: Gislingham CO422 signal (88m 45ch) to CO416 signal (85m 35ch) T-COD **must** be placed on 8821 track circuit
• EA1050 Shenfield Jn. to Southend Victoria.	All platform lines at Southend Victoria station and connections into and including all down and up sidings are prohibited.
• EA1060 Wickford Jn. To Fambridge station	The section of line from the 32m post to the 35m post is prohibited.
• EA1090 Colchester Jn. To Clacton	Down line from signal CO1105 to Hythe CCTV crossing and Up line from signal CO1104 to Hythe CCTV crossing. Down line from signal CO1115 at Alresford to Great Bentley CCTV crossing and Up line from signal CO1128 at Great Bentley to Alresford CCTV crossing. Down line from signal CO1177 to Burrs Road CCTV crossing and Up line from signal CO1176 to Burrs Road CCTV crossing.
• EA1110 Thorpe-le-Soken to Walton-on-Naze	The section of line from 66m post to Kirby Cross station is prohibited. Frinton on Sea CCTV crossing – The section of line between signal CO1165 (Down direction) and signal CO1164 (Up direction).
• EA1150 Channelsea South Junction to Stratford Central Junction West	Down Channelsea Curve: Channelsea South Junction to beyond Carpenters Road North Junction (0m 19ch) is prohibited. Up Channelsea Loop: Signal NL1292 (0m 17ch) to Channelsea South Junction is prohibited. Up Channelsea Curve: Signal NL1294 (0m 19ch) to Channelsea South Junction is prohibited.

• EA1160 Bethnal Green East Jn. to Bishops Stortford	The Up & Down lines in Queens Road Tunnel are equipped with TOWS and the TOWS equipment will need to be disabled before applying the T-COD The Up & Down lines in Clapton Tunnel are equipped with TOWS and the TOWS equipment will need to be disabled before applying the T-COD The Down line at Northumberland Park from signals L1017 to L1023 and the Up line at Northumberland Park from signals L1022 to L1020 are prohibited. The Down line at Enfield Lock from signals L1047 to L1049 and the Up line at Enfield Lock from signals L1050 to L1046 are prohibited. Down Cambridge line from signal L1057 to Cheshunt Jn. is prohibited. Down Cambridge line from Cheshunt Jn. to Windmill Lane level crossing including the bay platform at Cheshunt and Up Cambridge line from signal L1062 to Cheshunt Jn. are Prohibited. Up Cambridge line from signal L1090 at Broxbourne Jn. to L1068 signal including Broxbourne loops and sidings and Down Cambridge line from signal L1065 to Broxbourne Jn. including Broxbourne loops and sidings are prohibited. Up Cambridge line at Sawbridgeworth from signals L1142 to L1130 and Down Cambridge line at Sawbridgeworth from signals L1123 to L1131 are prohibited. All platform lines and Up platform loop at Bishops Stortford are prohibited.
• EA1161 Bishops Stortford to Great Chesterford	All platform lines and Up platform loop at Bishops Stortford are prohibited. The Down Goods loop at Stansted South Jn. is prohibited. Up Main line at Audley End from signals CA44 to CA42 and Down Main line at Audley End from signals CA43 to CA45 are prohibited. The Up Goods loop at Great Chesterford is prohibited.
• EA1170 Hackney Downs North Jn. To Enfield Town	Up & Down platform lines at Seven Sisters are prohibited. Platform Lines at Enfield Town are prohibited.
• EA1180 Reading Lane Junction to Navarino Road Junction	Graham Road Curve: 1m 03ch to Navarino Road Junction is prohibited.
• EA1190 Bury Street Jn. to Cheshunt Jn.	Down Southbury line from signal L1395 to Cheshunt Jn. is prohibited.
• EA1200 Clapton Jn. to Chingford	Chingford platform lines and connections into Chingford Carriage sidings are prohibited.
• EA1210 Broxbourne Jn. to Hertford East	Up line from signal L1230 to Broxbourne Jn. is prohibited. Up line at St. Margarets from signals L1242 to L1236 and Down line at St. Margarets from signals L1239 to L1241 are prohibited. Platform lines at Hertford East are prohibited.
• EA1220 Stansted North/South Jn. to Stansted Airport	The Single line in Stansted Airport Tunnel is prohibited. All Stansted Airport Station platform lines are prohibited.
• EA1280 Stratford Central Jn. to Coppermill North Jn.	The lines through platforms 11 and 12 at Stratford are prohibited.

• EA1310 Camden Road West Junction to Richmond	Down North London: Camden Road West Junction to beyond Willesden High Level Junction (5m 48ch) is prohibited. Up North London: Signal NL1050 (0m 34ch) to Camden Road West Junction is prohibited. Down City: Kensal Green Junction to 0m 28ch is prohibited. Up City: Signal NL1038 (0m 16ch) to Kensal Green Junction is prohibited. Down New: Kensal Green Junction to 5m 17ch is prohibited. Up New: Signal NL1044 (5m 19ch) to Kensal Green Junction is prohibited. Down Main: Signal AW101 to Acton Central is prohibited. Up Main: Signal AW102 to Acton Central LC is prohibited.
• EA1320 Camden Road West Junction to Stratford	Up Primrose Hill/Down North London/Down North London Relief: Signal NL1204 (5m 25ch) to Stratford are prohibited. Up North London/Up North London Reversible/Down Primrose Hill: Stratford to beyond Camden Road West Junction (5m 28ch) are prohibited. North London Incline: Camden Road Central Junction (0m 51ch) to 0m 48ch is prohibited. Down/Up Canonbury: Canonbury West Junction (3m 12ch) to 3m 22ch is prohibited.
• EA1325 Highbury & Islington to New Cross/New Cross Gate	Prohibited on all lines.
• EA1340 Stratford Lea Junction to High Meads Junction	Prohibited on all lines.
• EA1350 Channelsea North Junction to Temple Mills East Junction	Down High Meads Loop: Channelsea North Junction to beyond signal S703 (0m 41ch) is prohibited Up High Meads Loop: Signal NL1424 (0m 36ch) to Channelsea North Junction is prohibited.
• EA1370 Gospel Oak to Barking Tilbury Junction West	The Up & Down Main lines between Upper Holloway signal box and Wanstead Park station are prohibited. Down T&H: Gospel Oak Junction to beyond signal NL1303 (0m 33ch) is prohibited. Up T&H: Signal NL1306 (0m 28ch) Gospel Oak Junction is prohibited.

• EA1380 Christian Street Junction to Shoeburyness	The Gas Factory Loop and the Up Main line from signals UR130 to UR128 are prohibited. Connections into and including East Ham Depot are prohibited. All platform lines at Barking station, except platform 1, are prohibited. All platform lines at Upminster station and Upminster siding are prohibited All platform lines at Laindon station are prohibited. All platform lines at Pitsea station and Down & Up siding are prohibited. All platform lines at Leigh-on-sea station are prohibited. All platform lines at Southend Central station are prohibited All platform lines at Shoeburyness also connections into and including Shoeburyness Carriage Sidings are prohibited.
• EA1390 Barking Tilbury Line Jn. East to Tilbury Town station	Connections into and including Ripple Lane West Yard, Loco Depot and Stora Sidings are prohibited. The Down line from signal UR639 to Rainham level crossing and the Up line from Signals UR644 to UR638 are prohibited. The Down line from signal UR651 to Purfleet Rifle Range level crossing and the Up line from Signal UR654 to Purfleet Rifle Range level crossing are prohibited. The Down line from signals UR673 to UR675 and the Up line from Signal UR674 to Grays level crossing including connection into Seabrook sidings are prohibited.
• EA1430 East Suffolk Jn. to Oulton Broad North Jn.	Prohibited on all lines.
• EA1440 Westerfield Junction to Felixstowe Town	Prohibited on all lines.
• EA1450 Trimley to Port of Felixstowe North Quay Terminal	Prohibited on all lines.
• EA1460 Felixstowe Beach Jn. to Felixstowe Beach	Prohibited on all lines.
• EA1470 Norwich Thorpe Jn. to Lowestoft	All lines including connections into and including Crown Point Reception roads and Depot are prohibited.
• EA1530 Bury St. Edmunds to Haughley Jn.	Up Bury line from signal 692 to 37 mile post and Down Bury line from signal 689 to 38 mile post are prohibited. Down Bury line from 40 mile post to Haughley Jn. is prohibited.
• EA1580 Ely North Jn to Trowse Jn	Down Main: Signal EN8019 to signal HR3 are prohibited Up Main: Signal HR24 to signal CA808 are prohibited

Table RCT

LOR	Location	Line	Protecting Signal	Track Circuit	Additional Signals	ELR
EA1010	Ilford	Up Passenger Avoiding	L360	RSL	L5078, L5080, L5082, L5084, L5086,	LTN1

EA1010	Ilford	Dn Passenger Avoiding	L329	REB		LTN1
EA1011	Chelmsford	Up Main (Station)	L772	HHK	L723 L762	LTN1
EA1011	Chelmsford	Dn Main (Station)	L711 L713 L770	GGE HHC GGL		LTN1
EA1011	Chelmsford	Down Loop	L715	BBD	L5185 and L5186, L770 and L772	LTN1
EA1011	Chelmsford	Down Loop	L723	BBG		LTN1
EA1011	Witham	Up Loop	L771	EEF	L830/L824/L761/L763/L5189/2370 A	LTN1
EA1011	Witham	Up Loop	L830	EEJ		LTN1
EA1011	Witham (London End)	Up Main	L814 and L763	MMP		LTN1
EA1011	Witham (London End)	Down Main	L759	LLV		LTN1
EA1011	Marks Tey	Up Main	L882	SSK	L862/L825/L827(2394pts/2389pts) / L819/L876/L878/L5203	LTN1
EA1011	Marks Tey	Up Main	L874	SSE	L876/L878/L862/L829	LTN1
EA1011	Marks Tey	Up Main	L864	SSB	L819/L862	LTN1
EA1011	Marks Tey	Down Main	L817	RRK		LTN1
EA1011	Marks Tey	Down Main	L825	RRM		LTN1
EA1011	Marks Tey	Down Main	L884	RRT	L819/L874/L876/L878	LTN1
EA1012	Europa Junction	Down Main	CO367	7013	CO351	LTN1
EA1012	Flordon -Diss	Up	CO454	0421		LTN1
EA1012	Diss - Flordon	Down Main	CO431	9513	CO433 + CO1409, CO1411	LTN1
EA1050	Mountnessing	Up Southend	L560 and L517/L519	MJ		SSV
EA1050	Mountnessing	Dn Southend	L517/L519 and L558	LU		SSV
EA1050	Billericay (Country End)	Up Southend	L574 and L572	MZ	L535	SSV
EA1050	Billericay (Country End)	Dn Southend	L533 and L535	NX	L572	SSV
EA1050	Billericay	Dn Southend (Station)	L529 and L572/L574	NT		SSV
EA1050	Wickford	Up Southend (Station)	L604	UB		SSV
EA1050	Wickford	Dn Southend (Station)	L559 and L553	RX	L557/L555	SSV
EA1060	Wickford	Up Southend (Station) and Up & Dn Southminster	L692 and L694 (L596)	AA	L5150	WIS
EA1050	Hockley Station	Up Southend	L638	WJ		SSV
EA1050	Hockley Station	Up Southend	L638	WK		SSV
EA1050	Hockley Station	Dn Southend	L597	VJ		SSV
EA1050	Southend Vic - Prittlewell	Up Southend	L666/L668/L670/L672/ L674 and L625	XH		SSV

EA1050	Prittlewell - Southend Vic	Dn Southend	L627	YH		SSV
EA1080	Sudbury	Branch Line Up	L825	BBW	L878/L876/L874/L872/L5202	SUD
EA1090	Clacton - Colchester	Up (UP & DN) Avoiding	CO1092/CO1100	5254		LTN/COC
EA1090	Colchester - Clacton	Down (UP & DN) Avoiding	CO1067/CO1067	5158		LTN/COC
EA1110	Kirby Cross - Thorpe Le Soken	Walton Branch (Up)	CO1160	6776		TWN
EA1110	Walton – Kirby Cross	Walton Branch Up	CO1168	6972		TWN
EA1110	Thorpe Le Soken Kirby Cross	Walton Branch (Down)	CO1145/CO1147	6572		TWN
EA1110	Kirby Cross - Walton	Walton Branch Down	CO1159	6776		TWN
EA1120	Mistley - Manningtree	Up Harwich	CO230	6041	CO762+CO763 (Mistley Loop)	MAH/NTE
EA1120	Manningtree - Mistley	Down Harwich	CO207/CO209	5934	CO762+CO763 (Mistley Loop)	MAH/NTE
EA1160	Clapton Junc	Up Cambridge	L170	HGE	L1404	BGK
EA1160	Clapton Junc	Dn Cambridge and Dn Chingford	L167	GPR		BGK/CJC
EA1161	Shepreth Junc	Up Cambridge and Up Royston	CA142	5321		BGK/SBR
EA1161	Shepreth Junc	Dn Cambridge	CA99/CA123	5312		BGK
EA1170	Bury St Junc	Up Southbury	L1368 and L1350	XJV		HDT
EA1170	Bury St Junc	Dn Southbury and Dn Enfield	L1353	VCY		HDT/ENT
EA1170	Enfield Branch	Up Enfield	L1360/L1362/L1364	XKH	L1365	ENT
EA1170	Enfield Branch	Dn Enfield	L1353	VDA		ENT
EA1170	Enfield Station Platforms 1 - 3	Dn Enfield	L1365	VDK	Points 2677	ENT
EA1530	Bury - Haughley	Down Bury	BY17	2852		CCH
EA1530	Bury - Haughley	Down Bury	CO691	3754		CCH
EA1530	Haughley - Bury	Up Bury	CO395	4041		CCH
EA1530	Haughley - Bury	Up Bury	CO692	3341		CCH

Anglia Route GI – Dated: 28/05/22

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

Protecting a stabled train on a platform line

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

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

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

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

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

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

  or

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

The arrangements shall apply at the following locations

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

2. on dead end bay platforms at through stations

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

Note:

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

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

Anglia Route GI – Dated: 25/01/2020

Handbook 11 – Duties of the person in charge of the possession

Section 4, Clause 4.1 – Confirming the details with the signaller

At **termina**l and **bay** platforms within the Anglia Route the signaller is permitted to grant possession to the PICOP when the platform is occupied by an empty coaching stock train, provided that:

the platform is equipped with a platform starting signal which has been placed & maintained at Danger

the train is berthed at the buffer stop end of the platform

the arrangements have been published within the possession details

The signaller must confirm the arrangements with the PICOP before granting the possession.

The Rule Book, module T3 is modified accordingly.

Exception

Romford – Upminster Line

An empty coaching stock train can be stabled in platform 1 at Romford and a possession taken around the train provided that:

- The train is berthed at the buffer stop end of the platform 1 and the pantograph has been lowered
- The arrangements have been published with the possession details
- There is an isolation of the overhead line on the Romford – Upminster branch, for the duration of the possession

The signaller must confirm the arrangements with the PICOP before granting the possession

Additional protection (stop boards and detonators) must be placed at 2219 B points

The Rule Book, module T3 is modified accordingly.

Anglia Route GI - Dated: 29/08/2015

A.C. Electric Locomotives

Class 86 locomotives or class 90 locomotives (fitted with current limiting devices) are the only A.C. electric locomotives permitted to work trains in multiple.
When 2 or more class 86 or 90 electric locomotives are coupled together running as light engines or working a train, no more than 2 pantographs must be in the raised position.
With the exception of the class 86 and class 90 locomotives (fitted with current limiting devices), all other A.C. electric locomotives must run with only 1 pantograph raised.

Anglia Route GI - Dated:15/06/19

ANIMALS ON THE LINE

NOTICE TO TRAINCREW, SIGNALLERS AND CONTROLLERS

Where the rules and regulations (General Signalling Regulation 18.2 and Rule Book Module TW1 section 20) require that trains be cautioned because of animals on the line, this procedure need not be applied providing that the animals are:

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

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

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

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

SWANS ON THE LINE

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

Anglia Route GI - Dated: 07/05/16

Cab Secure Radio

The following table indicates how to convert a signal number to a radio set-up number (Signal “alias” number).

Signal box	Signal No.	Radio code		Signal box	Signal No.	Radio code
Cambridge	CAxx CAxxx	00xx 0xxx		Littleport	Lx Lxx	400x 40xx
Downham Market	DMxx	36xx		Magdalen Road	MRx MRxx	400x 40xx
King’s Lynn	KLxx	50xx				

Examples:

CO20 becomes 0020

CA278 becomes 0278

L5086 becomes 5086

Track circuit failure

During a track circuit failure radio identity of the train will be lost if it does not proceed within twenty minutes from the section of line where the track circuit failure exists.

The Signaller can ascertain whether or not a train is still identified in the radio system by checking the train list.

Anglia Route GI - Dated: 07/05/16

CCTV and AHBC attendants instructions

Historically, Level Crossing Instructions for a person appointed to take local control have been posted at each Level Crossing. However, accommodation for the attendant is not always provided and this has resulted in inconsistency in the distribution arrangements for these instructions.

Attendants instructions for all CCTV and AHBC level crossings within Anglia Route are now published on the Network Rail Internal Portal Knowledge Hub (under Anglia, Operations: References) and will no longer be posted at Level Crossings. It is the responsibility of the Attendant to obtain copies of the instructions for those level crossings for which they are competent. In the event of any difficulty, please speak to your line manager.

Non-Network Rail staff must obtain copies via their Network Rail contact.

Anglia Route GI - Dated: 20/10/12

Class 950 (formerly Class 150) Track Recording Unit (TRU)

Routes and Restrictions

The Class 950 TRU (formerly Class 150) may be worked over all lines detailed in Table A of the Anglia Route Sectional Appendix subject to the following restrictions:

Route	Restriction
EA1010 Liverpool St – Stratford (Central Jn.) East	Special permission is required for Liverpool Street platforms 11-17, as detailed in the Local Instructions contained within the Anglia Route Sectional Appendix
EA1011 Marks Tey Jn – Manningtree North Jn	Restricted to 5mph Colchester platform 5.
EA1140 Ipswich Docks Branch	Prohibited
EA1220 Stansted (South & North Junctions) – Stansted Airport	Special permission is required for Stansted Airport platforms 1 and 3, as detailed in the Local Instructions contained within the Anglia Route Sectional Appendix
EA1330 South Acton Jn – Old & New Kew Jns	Prohibited
EA1570 March – Wisbech	Prohibited

Anglia Route GI - Dated: 12/04/21

Crossing Abuse/Mis-use

Crossing abuse/mis-use

You must report any abuse or misuse of crossings to either the Crossing Keeper, Signaller or Network Rail Anglia Integrated Control Centre.

Crossing Keepers and Signallers must forward any reports of mis-use or abuse to the Network Rail Anglia Integrated Control Centre (AICC).

Anglia Route GI - Dated: 12/01/07

Driver Only Operation (Passenger) On London Overground Trains

London Overground passenger services formed of Class 378 units are authorised to operate under the Driver Only Operation (Passenger) method of operation on the North London and West London lines, and also trains formed of Class 172 units on the North London and Tottenham & Hampstead lines between Willesden and Barking.

Anglia Route GI - Dated: 03/08/14

Dynamic Risk Assessment

Anglia Route

This notice is to advise that Dynamic Risk Assessment process is authorised for use under trial conditions.

The purpose of DRA is to provide a continuous assessment of risk in the rapidly changing circumstances of an operational incident, in order to implement control measures necessary to make certain of an acceptable level of safety.

Its application should be applied by operational management staff seeking to assess operational system risk, and identify control measures that deliver a safety benefit in rapidly changing operational incidents affecting the normal operation of the railway.

The Scope of DRA is currently restricted for trial purposes to London South Eastern route (Anglia, Kent Sussex), LNW route, Scotland route and Western Route.

DRA can only be facilitated and implemented by those trained to do so.

Anglia Route GI - Dated: 01/02/14

Electric traction operation during strong winds and high air temperatures

Strong Winds

In the event of strong winds it may become necessary to impose speed restrictions applicable to electric traction movements. The Electrification Engineer employed by the appropriate Infrastructure Maintainer is responsible for initiating the imposition of speed restrictions to reduce the risk of damage to OHLE and electric trains. The Electrification Engineer will advise the appropriate Route Manager over which routes the restrictions will be enforced as indicated in the table below.

On notification of adverse conditions which may affect electric traction movements (via the weather forecast or via information from customers, contractors or Network Rail staff) Route Managers must liaise with the Electrification Engineer employed by the appropriate Infrastructure Maintainer and Romford Electrical Control Office as to the need to impose a restriction(s). The final decision will be made by the Electrification Engineer employed by the appropriate Infrastructure Maintainer.

Line(s)	**Emergency Speed Limit**
Liverpool Street to Chelmsford (including all branches)	60 m.p.h.
Chelmsford to Norwich (main line)	80 m.p.h.
Clacton and Harwich branches	60 m.p.h.
Bethnal Green to Kings Lynn	60 m.p.h.
Royston to Shepreth Branch Jn.	60 m.p.h.
Fenchurch St to Shoeburyness & branches	50 m.p.h.

The Route Manager will arrange to advise all Train Operators, who will ensure that all Drivers are aware of the speed restriction to be observed.

High air temperatures

In the event of high air temperatures, it will become necessary at specific times during the day to impose speed restrictions on certain lines along the GE Main line on the Anglia route, to reduce the risk of damage to OHLE and electric trains, as detailed in the table below. The action necessary to impose these speed restrictions will be initiated by either a forecast of high air temperatures supplied to the Route Control Manager by the Meteorological Office, or by measurements taken from temperature sensors situated at strategic points along the GE Main Line on the Anglia Route at Romford and Stowmarket.

Ambient air temperatures	**Areas affected**	**Line(s) affected**	**Emergency Speed Limit**
25 - 27°C	Maryland (4m 43ch) – Chelmsford (29m 60ch)	Up & Down Main lines	80 mph
28°C and above	Liverpool Street - Chelmsford including Shenfield - Southend Victoria	All lines	60 mph
32°C and above	Liverpool Street - Chelmsford including Shenfield - Southend Victoria	All lines	60 mph
	Colchester - Norwich	Up & Down Main lines	80 mph

The Route Control Manager will arrange to advise all Train Operators if blanket ESRs are to be introduced across part of the route by no later than 21:00 the day before the ESR will commence.
The Route Control Manager will arrange to advise all Train Operators if blanket ESRs are to be introduced across the whole of the route by no later than 18:00 the day before the ESR will commence.

Anglia Route GI - Dated: 14/04/07

Engineers gauging train - propelling

An Engineer's gauging train consisting of a locomotive, gauging van, and saloon may be regarded as an Officer's Special Train for the purposes of propelling as provided for in the Rule Book, Module TW1 Section 26, provided the automatic brake is operative and the Guard has access to the automatic brake in the leading compartment, in which he must ride.

Anglia Route GI - Dated: 07/12/13

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

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

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
EA1010 LIVERPOOL STREET TO SEVEN KINGS					
Carpenters Rd	Up Electric	L5073	991	Liverpool Street IECC Stratford	74 9143 01
Aldersbrook Sidings	Aldersbrook Sidings	L5078	991	Liverpool Street IECC Ilford	74 9144 01
Aldersbrook Sidings	Aldersbrook Sidings	L5080	991	Liverpool Street IECC Ilford	74 9144 01
Aldersbrook Sidings	Aldersbrook Sidings	L5082	991	Liverpool Street IECC Ilford	74 9144 01
Aldersbrook Sidings	Aldersbrook Sidings	L5084	991	Liverpool Street IECC Ilford	74 9144 01
Aldersbrook Sidings	Aldersbrook Sidings	L5086	991	Liverpool Street IECC Ilford	74 9144 01
Canal Junction	Down East London Line (Up direction)	EL3005	991	East London Line SCC Workstation 2	74 9267 01
EA1162 ELY NORTH JN TO KINGS LYNN					
Kings Lynn	Reversible/Bi-directional – Terminal Bay	KL6A/7A	006	Kings Lynn	74 9380 01
EA1310 CAMDEN ROAD WEST JUNCTION TO RICHMOND					
Acton Wells Jn	Up North London (Down direction)	AW373	991	Acton Wells Jn	74 9121 01
Acton Wells Jn	Down North London (Up direction)	AW372	991	Acton Wells Jn	74 9121 01
South Acton	Up Kew (Down direction)	AW105	991	Acton Wells Jn	74 9121 01
Shadwell	Up East London Line (Down dir.)	EL3001	991	East London Line SCC Workstation 1	74 9266 01
Canada Water	Down East London Line (Up direction)	EL3002	991	East London Line SCC Workstation 2	74 9267 01
EA1325 HIGHBURY & ISLINGTON TO NEW CROSS / NEW CROSS GATE (ELL)					

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
Shadwell	Up East London Line (Down dir.)	EL3001	991	East London Line SCC Workstation 1	74 9266 01
Canada Water	Down East London Line (Up direction)	EL3002	991	East London Line SCC Workstation 2	74 9267 01
Canal Junction	Down East London Line (Up direction)	EL3005	991	East London Line SCC Workstation 2	74 9267 01
EA1360 DUDDING HILL JN TO ACTON WELLS JN					
Dudding Hill Jn	Up Brent Curve (Down direction)	DH3	991	Dudding Hill Jn	74 9122 01
Dudding Hill Jn	Down Brent Curve (Up direction)	DH11	991	Dudding Hill Jn	74 9122 01
Acton Canal Wharf Jn	Up Goods (Down direction)	ACW25 MH	991	Acton Canal Wharf	74 9124 01
Acton Canal Wharf Jn	Down Goods (Up direction)	ACW1/4MH	991	Acton Canal Wharf	74 9124 01
EA1370 GOSPEL OAK TO BARKING TILBURY JN WEST					
Junction Road Jn	Up T and H line	UH2068	991	Upper Holloway	74 9272 01
Upper Holloway	Up reception (Down direction)	UH2066	991	Upper Holloway	74 9272 01
Upper Holloway	Up T and H line (Down direction)	UH2064	991	Upper Holloway	74 9272 01
Upper Holloway	Down T and H line (Up direction)	UH2061	991	Upper Holloway	74 9272 01
EA1380 FENCHURCH STREET TO SHOEBURYNESS					
Laindon	Platform 1 (Up direction)	UR252	237	Upminster IECC Workstation 2	74 9202 01
Pitsea	Platform 2 (Down direction)	UR559	274	Upminster IECC Workstation 2	74 9202 01
EA1430 EAST SUFFOLK JN TO OULTON BROAD NORTH					
Saxmundham	Up Siding exit stop board	-	991	Saxmundham	74 9453 01

LOCATION	LINE/PLATFORM (DIRECTION)	SIGNAL	LOCATION CODE	CONTROLLING SIGNAL BOX/PANEL	GSM-R CONTACT NUMBER
EA1470 NORWICH THORPE JN TO LOWESTOFT					
Lowestoft Carriage Sidings	To Siding 2 or Up Main	L12	991	Lowestoft	74 9450 01
Lowestoft No.1 Siding	To Up Main	L11	991	Lowestoft	74 9450 01
Lowestoft No.2 Siding	To Up Main	L10	991	Lowestoft	74 9450 01
Lowestoft	Platform 4 to Siding 2 or Up Main	L8	991	Lowestoft	74 9450 01
Lowestoft	Platform 4 to Up Main	L5	991	Lowestoft	74 9450 01
Lowestoft	To Platform 3 to Up Main	L4	991	Lowestoft	74 9450 01
Lowestoft	Platform 2 to Up Main	L3	991	Lowestoft	74 9450 01
EA1490 CROMER TO SHERINGHAM					
Sheringham	Platform	-	031	Trowse SB	74 9442 01
EA1520 SAXMUNDHAM JN TO SIZEWELL					
Saxmundham	Sizewell Branch (Up direction)	ES2036 (Stop Board)	991	Saxmundham	74 9453 01
Saxmundham	Up Siding exit stop board	-	991	Saxmundham	74 9453 01
EA1560 ELY NORTH JN TO PETERBOROUGH					
March South	Up Reception	MSA	991	March South Jn	74 9481 01
March East	Down Goods No.1	MEI	991	March East Jn	74 9482 01
March East	Down Goods No.2	MED	991	March East Jn	74 9482 01
March East	Back Road	MEC	991	March East Jn	74 9482 01
March East	Up Goods No.1	MEE	991	March East Jn	74 9482 01

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

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

991 Anglia Route.

Anglia Route GI - Dated: 28/02/15

GSM-R – GENERAL INSTRUCTION

TW5 SECTION 24 – KNOWN SEARCHING NETWORK LOCATIONS

The locations in the table below have encountered a temporary reduction in radio coverage with the GSM-R system which may result in registration problems and the ability of the driver to contact the signaller. This will be presented to the Driver on the DCP as 'searching for network'.

Driversmust carry out the "Pending Registration" process on the radio and continue their journey.

Location	Fault Number	Comments	Outcome
Enfield Town	FMS LIV739211	Interference at Enfield town.	Fixed –Issue caused by fault with site 2011. Reset and cleared fault
Chingford	NA	Interference at Chingford	Fixed – Repeater installed
Wickford	FMS LIV 203669.	Coverage/interference issues.	Fixed – Repeater installed
Gidea Park	FMS LIV202415	Driver unable to contact signaller	Fixed – Repeater installed
Hackney Wick	FMS LIV 206358.	Coverage issues.	Investigation ongoing

TW5 SECTION 24 – KNOWN MISROUTED CALL LOCATIONS

The locations in the table below are known areas where calls are frequently misrouted to the wrong signaller. Calls may misroute to the wrong signaller if the 'contact signaller' button is pressed.

Drivers are instructed to use the phone book to contact the signaller from these locations.

Location	Fault Number	Comments	Outcome
Currently no reported incidents	N/A	N/A	N/A

GSM-R FAULTS AND FAILURES RESPONSE

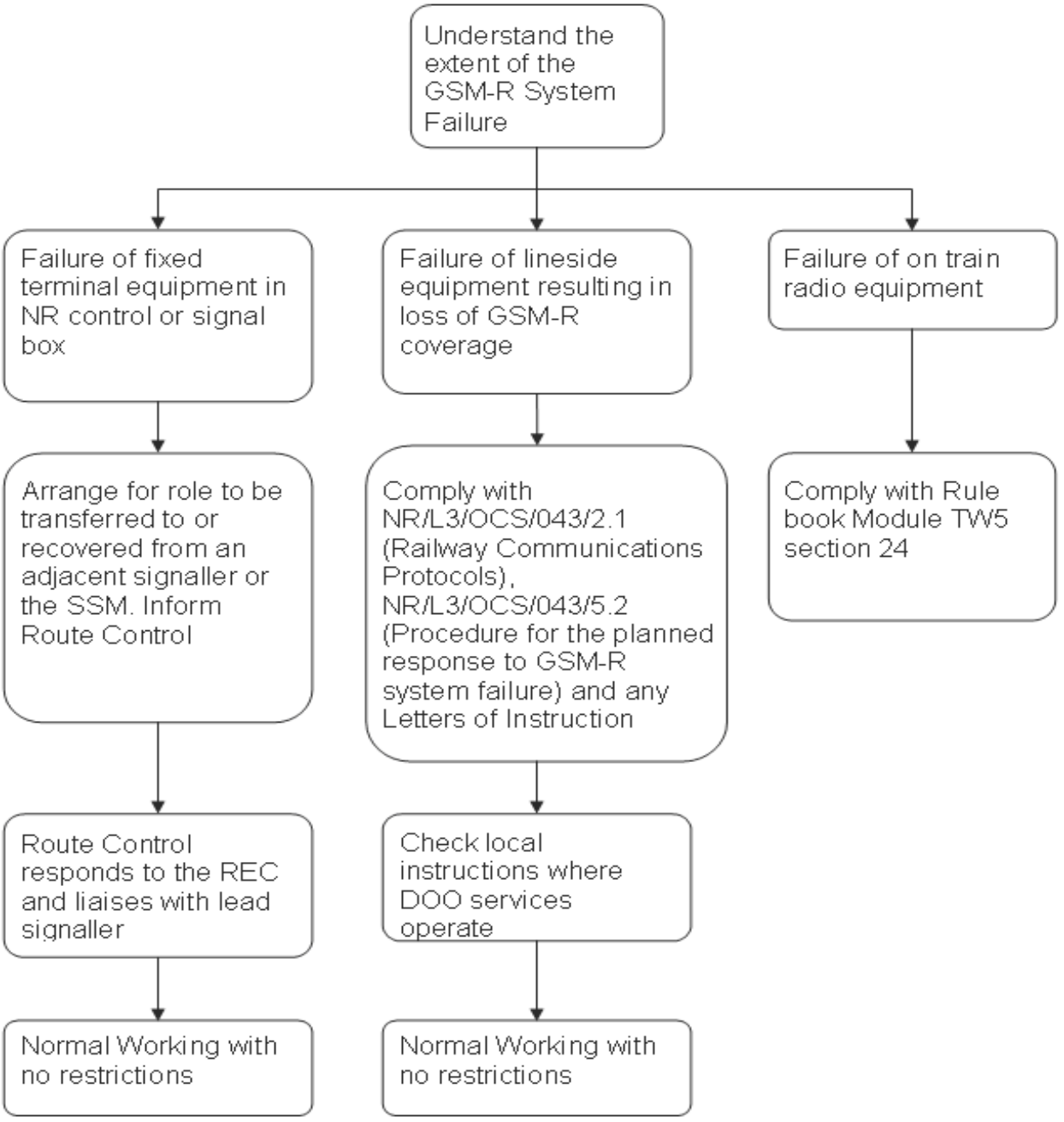
VERSION 1.1

PURPOSE

To provide guidance on the response to onboard GSM-R system faults and local/area infrastructure faults. Appendix 1 covers the response to system faults from a single fixed terminal through to failures of the infrastructure resulting in loss of coverage in a geographical area.

APPENDIX 1

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



Anglia Route GI - Dated: 05/09/15

INFRASTRUCTURE MONITORING TRAINS

Network Rail own a fleet of specially adapted Infrastructure Monitoring vehicles which operate frequently on most routes on all Network Rail routes, these vehicles are painted yellow and carry Network Rail logos. Trains with these vehicles in them generally operate with a ‘Q’ headcode so as to denote that they are line specific.

During movements, these vehicles can emit a powerful underframe light source which could be mistakenly identified as a binding brake or sparks being emitted from the bogies, and as such, does not require to be reported to the controlling Signaller. However, if in any doubt, then normal operating procedures should be applied.

Anglia Route GI - Dated: 11/04/15

Instructions for working ground frames and ground switch panels released from signal boxes

Except where special instructions are issued, the following instructions apply:-

1. When it is necessary to operate a ground frame or ground switch panel, the operator must advise the Signaller of the intended movements and ask for the release, where necessary operating the Permission or Switch lever. When the ground frame/switch panel is released, it may be operated as required.
2. When the movements have been completed and the ground frame levers/switches have been restored to normal, the operator must advise the Signaller who must then relock the ground frame/switch panel. The operator ,must not leave until he has ascertained that this has been done.
3. Except in track circuit block areas, a train must not be shut inside at an intermediate sidings ground frame/switch panel for other trains to pass except where authorised in the Signallers special Instructions. When it is necessary for a train to be shut inside at an intermediate sidings ground frame/switch panel, the operator must advise the Signaller when the train complete with tail lamp attached has been shunted into the sidings clear of the running line and the ground frame levers/switches have been restored to normal.
4. In the event of any failure of the apparatus, the operator must act in accordance with the instructions given by the Signaller.
5. The operator must advise the Signaller if a mishap occurs which fouls any of the running lines and take whatever action is necessary to protect the obstruction.
6. If the Signaller is unable to obtain a normal indication when the ground frame/switch panel is relocked, he must:-
   - in the case of a ground frame, when the release switch in the signal box is in the normal position, or the release lever in the signal box is in the check lock position, ascertain from the operator if the levers at the ground frame which are released by the signal box are locked in the normal position. If the appropriate levers at the ground frame are locked in the normal position, trains may be allowed to proceed, but the signal immediately in rear of the ground frame must be treated as defective. If the appropriate levers at the ground frame are not locked in the normal position, a train must not be allowed to pass the signal immediately in rear of the ground frame until the points worked from the ground frame have been clipped, padlocked and scotched in the normal position.
   - in the case of a ground switch panel, before each train is authorised to pass the signal immediately in rear of the ground switch panel, obtain an assurance from the operator that the points controlled from the ground switch panel are indicated as being set in the proper position for the passage of the train. Alternatively, the ground switch panel may be left unattended, but a train must not be allowed to pass the signal immediately in rear of the ground switch panel until the points worked from the ground switch panel have been clipped, padlocked and scotched in the normal position.
7. Additional instructions applicable to ground switch panels
   - Before authorising a movement, the operator must check that the indicators show the points to be set in the proper position and if Single Line Working is in operation, place and maintain reminder appliances on the point switches until the movement has passed clear of the points.
   - When a ground switch panel is not in use, or if the operator has to leave the immediate vicinity of the ground switch panel when it is released, the cabinet door must be closed and locked.
   - A crank handle and key is provided at most ground switch panels and must only be used in accordance with the instructions of the Signaller.

Anglia Route GI - Dated: 05/08/06

Instructions relating to the Network Rail D.C. Electrified lines working instructions (NR/WI/ELP/3091)

Instruction 17 - Flooding of Permanent Way

a) If water is more than half-way up either running rail, D.C. electric trains must not exceed a speed of 5 m.p.h. through the flooded section.

b) If water is above the top of either running rail, the passage of D.C. electric trains must be suspended except in the most urgent circumstances and only then on the authority of a Network Rail Production representative on site in consultation with the Network Rail Civil Engineer and Electrical Control Operator.

Instruction A.26 to A.39 (Isolation Procedure A)

These instructions do not apply. All such isolations must be in accordance with Procedure B.

Instruction B.35, clause 35.3

The relevant information referred to in the last sentence must include the names of the Authorised Person, the Electrical Control Operator and the time and date.

Anglia Route GI - Dated: 04/12/10

Line Clear Verification (LCV)

In accordance with Network Rail Standard *"NR/L3/OCS/084 - Line Clear Arrangements Following Engineering Works in Axle Counter areas - Line Clear Verification Process"*, the following must be observed.

The LCV process applies to the following line of routes.

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

Route	**Sections of line Equipped**
EA1150 Channelsea South Junction to Stratford Central Junction West	Down Channelsea Curve: Channelsea South Junction to beyond Carpenters Road North Junction (0m 19ch) Up Chanelsea Loop: Signal NL1292 (0m 17ch) to Channelsea South Junction Up Channelsea Curve: Signal NL1294 (0m 19ch) to Channelsea South Junction
EA1180 Reading Lane Junction to Navarino Road Junction	Graham Road Curve: 1m 03ch to Navarino Road Junction
EA1310 Camden Road West Junction to Richmond	Down North London: Camden Road West Junction to beyond Willesden High Level Junction (5m 48ch) Up North London: Signal NL1050 (0m 34ch) to Camden Road West Junction Down City: Kensal Green Junction to 0m 28ch Up City: Signal NL1038 (0m 16ch) to Kensal Green Junction Down New: Kensal Green Junction to 5m 17ch Up New: Signal NL1044 (5m 19ch) to Kensal Green Junction
EA1320 Camden Road West Junction to Stratford	Up Primrose Hill/Down North London/Down North London Relief: Signal NL1204 (5m 25ch) to Stratford Up North London/Up North London Reversible/Down Primrose Hill: Stratford to beyond Camden Road West Junction (5m 28ch) North London Incline: Camden Road Central Junction (0m 51ch) to 0m 48ch Down/Up Canonbury: Canonbury West Junction (3m 12ch) to 3m 22ch

Route	Sections of line Equipped
EA1340 Stratford Lea Junction to High Meads Junction	All lines
EA1350 Channelsea North Junction to Temple Mills East Junction	Down High Meads Loop: Channelsea North Junction to beyond signal S703 (0m 41ch) Up High Meads Loop: Signal NL1424 (0m 36ch) to Channelsea North Junction
EA1370 Gospel Oak to Barking Tilbury Junction West	Down T&H: Gospel Oak Junction to beyond signal NL1303 (0m 33ch) Up T&H: Signal NL1306 (0m 28ch) Gospel Oak Junction
EA1430 East Suffolk Jn to Oulton Broad North Jn	Westerfield Junction (excl) and Oulton Broad North (all lines)
EA1430 East Suffolk Jn to Oulton Broad North Jn	Westerfield Junction (excl) and Oulton Broad North (all lines)
EA1500 Brundall Jn to Yarmouth	All lines
EA1510 Reedham Jn to Yarmouth	All lines
EA1580 Ely North Junction to Trowse Junction	Down: Shippea Hill (77m 05ch) to Wymondham (114m 22ch) Up: Wymondham (114m 22ch) to Shippea Hill (76m 60ch)

Network Rail signalling locations will be managed in accordance with Network Rail Standard:

NR/L3/OCS/084 – Line Clear Arrangements; Following Engineering Works in Axle Counter areas - Line Clear Verification Process.

The LCV process applies to the complete following Line Of Routes (LORs).

CCOS LOR: XR001 to CCOS Western LOR: GW103 Network Boundary	All lines
CCOS LOR: XR001 to CCOS Anglia LOR: EA1010 Network Boundary	All lines
CCOS LOR: XR002 Stepney Green Junction to CCOS South Eastern North Kent Line LOR: SO290 Network Boundary	All lines

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

For the Crossrail Central Operating Section (CCOS) LCV requirements are defined in Rail for London Standard: RFLI-GEN-SG-SDD-0002 – Line Clear Verification.

Anglia Route GI - Dated: 25/16/2022

London Underground Lines (LUL) & Docklands Light Railway (DLR) Lines - Adjacent To Network Rail Lines

This instruction applies to traincrews working trains and other staff concerned between:-

- Bromley-by-Bow & Upminster (adjacent to LUL),
- Stratford station (adjacent to LUL),
- Bow Jn. & Stratford (adjacent to DLR),
- Christian Street Jn. & Limehouse (adjacent to DLR),

General

All concerned must observe the provisions of Rule Book Module D.C and/or Handbook 17 ‘DC. Electrified Lines’

Switching off Electricity in an Emergency

LUL lines

Any person becoming aware of a derailment, mishap or other emergency requiring or likely to require, the electricity to be switched off on the LUL, must telephone the Signaller at Stratford (North London), Upminster I.E.C.C., Liverpool Street I.E.C.C., or the Electrical Control Operator at Romford directly or on BT 01708 743545, who will then arrange for the relevant LUL control to be advised.

DLR lines

Any person becoming aware of a derailment, mishap or other emergency requiring or likely to require, the electricity to be switched off on the DLR, must telephone the Signaller at Liverpool Street I.E.C.C., Upminster I.E.C.C. or the Electrical Control Operator at Romford directly or on BT 01708 743545, who will then in turn contact the DLR Control Room Supervisor at Poplar Control Centre.

Description of the DLR system

The DLR works automatically without lineside signals, using Driverless trains which approach in either direction travelling at a maximum speed of 50 m.p.h. Each train conveys a member of DLR staff called a 'Train Captain'.

DLR trains will not sound an audible warning to persons on or near the line and employees on or near Network Rail lines must not, therefore, except in emergency, go onto the DLR.

If employees called by the Signaller to work on the line consider that they cannot work safely with trains running on the adjoining DLR line, they must not commence work until an assurance has been received from the Signaller that DLR trains have been stopped.

If an emergency/mishap occurs on Network Rail lines that requires the stopping of DLR trains, then one of the emergency stop buttons must be pressed. These buttons are coloured red, in red cases with a clear perspex cover, located on posts a metre high. They are situated between the Network Rail and DLR lines at approximately 100 metre intervals.

Traincrew required to work on outside of train

Traincrew must not commence work on the side of a train where there are marker posts or a white board between the Network Rail line and the adjoining DLR line unless they have received an assurance from the Signaller that trains on the adjoining DLR line have been stopped.

Between Bow Jn & Stratford, and between Christian Street Jn. & Limehouse

Between Bow Jn. and Stratford, and between Christian Street Jn. and Limehouse in the vicinity of the closed Shadwell station, marker posts are provided in the 10-foot between the Network Rail line and the adjacent DLR line to identify the point beyond which employees must not proceed. When employees stand clear of the Network Rail line they must stand against one of these posts.

- Between Christian Street Jn. and Limehouse (except in the vicinity of the closed Shadwell Station), the only position of safety is on the north (Down) side of the viaduct and, on the approach of a train on the up or down Fenchurch St to Shoeburyness lines, employees must immediately proceed to the north side.
- Between Christian Street Jn. and Limehouse persons must not, except in emergency, cross the white board between the Network Rail and DLR lines. If unavoidable circumstances compel employees to remain between the Network Rail and DLR lines when trains pass, they must lie down against the Network Rail side of the board. It is important that this instruction is observed as the collector shoes of DLR trains pass in close proximity to the DLR side of the board.

Flooding of Permanent Way

Any person becoming aware of an LUL or DLR line becoming flooded above sleeper level, must telephone the Signaller at Liverpool Street I.E.C.C., Upminster I.E.C.C. or the Electrical Control Operator at Romford directly or on BT 020 7538 3440, who will then arrange for the relevant LUL or DLR control to be advised.

All concerned are warned that when flood water is lying on the surface of the permanent way, they must take care not to step into the water, as it may be highly charged with electricity.

Where circumstances arise causing it to be necessary for any person to step into the water, the conductor rail must be isolated before he does so.

All concerned must observe the provisions of Rule Book Module M3 – Managing incidents, floods and snow concerning the movement of trains over lines which are flooded.

Detraining of Passengers in an Emergency

Should it be necessary for passengers to be detrained, other than at a platform, any conductor rails alongside or over which the passengers may have to walk must be isolated.

Dangerous to touch Collector Shoes

Collector shoes of a D.C. electrical multiple unit are connected together by cables and whether in contact with the conductor rail or not must be considered dangerous to life.

Anglia Route GI - Dated: 07/06/2014

NR/SP/ELP/29987 Working on or about 25 kV A.C. Electrified Lines

NR/BS/LI/131 - Dual Voltage (AC/DC) Electrified Lines

When a section of overhead line is blocked to electric trains the following procedure must be followed before a dual voltage electric train running in DC mode is allowed to pass through the affected section of railway line:

- the train has been brought to a stand at the protecting signal, and
- the Driver advised that the line ahead has been blocked to AC electric trains, giving the limits of the blockage, and
- an assurance obtained from the Driver that the pantograph has been and will remain lowered until the entire train is clear of the area affected.

Anglia Route GI - Dated: 06/06/09

Loram C21 Rail Grinders

General

There are three rail grinding trains in the Loram C21 series, numbered C2101, C2102 and C2103.

Rail grinding train C2101 has a route availability of RA7, rail grinding trains C2102 and C2103 have a route availability of RA6.

All Loram Class C21 rail grinding trains are approved to travel on routes cleared to W6A gauge.

All Loram Class C21 rail grinding trains can be relied upon to operate track circuits.

Where axle counters are used as the primary means of train detection the Special Train Reminder (where provided) procedure is to be used when grinding operations are taking place on lines open for normal working.

Route prohibitions or restrictions

Loram Class C21 rail grinding trains are not permitted to run on the LT&S lines between Fenchurch Street and Gas Factory Junction.

Transit moves

The maximum permitted speed of the rail grinding trains is 55 mph.

Transit over 3rd or 4th rail DC electrified lines is permitted under the following conditions:

- The electrified rails are isolated in accordance with appropriate instructions, OR
- The 'spark blankets' are removed, OR
- The 'spark blankets' are secured within the W6a load gauge.

Grinding Operations

Notification must be given to TOCs and FOCs which operate on the routes where grinding is to take place so that drivers may be informed.

Grinding operations are permitted to take place both within T3 possessions and on lines open for normal working.

The speed when grinding is approximately 5 mph.

Grinding operations are only permitted on jointed or continuously welded plain track; grinding operations on switches and crossings are specifically excluded.

Rail grinding train C2101 is not permitted to grind within tunnels.

Rail grinding trains C2102 and C2103 are permitted to grind within tunnels, subject to the necessary risk assessment by the train operator.

The train operator is responsible for ensuring that grinding equipment does not damage track-mounted equipment or level crossing decks.

Grinding operations over 3rd or 4th rail DC electrified lines are permitted under the following conditions:

- The electrified rails are isolated in accordance with appropriate instructions, **AND**
- The 'spark blankets' are fitted

Rail grinding trains are equipped with on-board damping water spray and fire fighting water cannon.

All staff on or about the line are prohibited to be within 10m (approximately 10 yards) of the train whilst grinding operations are being carried out due to the danger of objects being emitted beyond the machine's shields. The machine operator will look out for any staff on or about the line who may be within this distance and cease operations if this is the case. Similarly, any person on a station platform will cause grinding operations to cease.

Grinding operations on lines open for normal working with Simplified Bi-directional Signalling (SIMBIDS) in operation on the opposite line

If the rail grinding train is to operate on lines open for normal working with SIMBIDS in operation on the opposite line, the signal applying to the line on which the rail grinding train is operating and which protects the crossover at the end of the grinding site, and through which trains from the line being used for SIMBIDS are being returned to the proper line, must be fitted with an operational TPWS train stop (TSS)

Anglia Route GI - Dated: 07/06/2014

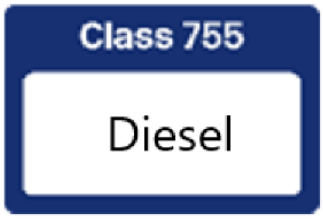
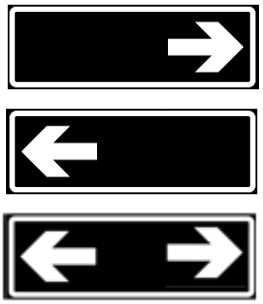
Manual Power Changeover Sites (MPCO) for Multi-Mode trains

As part of the introduction of Class 755 traction lineside signage has been installed at publicised strategic locations across the Anglia route. This signage is a prompt to the driver to either raise or lower the pantograph, changing between diesel and electric traction modes as appropriate at up to permissible line speed at that location.

The following signs have been provided at the MPCO zones consisting of 3 signs. Signage is currently only applicable to Class 755 traction. Any arrangements for coasting and associated Pantograph raising are to be treated separately from these instructions and signs.

Drivers must adhere to their own specific company operating instructions.

Manual Power Changeover Signage – Diesel to Electric Mode (D>E)	
Sign	**Action**
	Advance Traction Changeover Sign As the train passes the ‘advance traction changeover’ sign the driver must prepare to carry out a dynamic manual changeover (D>E) - this must NOT be done before the front of the train reaches the ‘raise pantograph’ sign.
	Raise Pantograph Sign The driver must wait until the front of the train has reached this sign before initiating a dynamic manual changeover (D>E)
	Do NOT Raise Pantograph Sign If the pantograph(s) has not been raised by the time the front of the train reaches this sign there must be no attempt made to raise the pantograph(s) / select Electric Mode when speed is in excess of 20mph. The train must continue in Diesel Mode until the train is stopped or speed is reduced to 20mph or less.

Manual Power Changeover Signage – Electric to Diesel Mode (E>D)	
Sign	**Action**
	Advance Traction Changeover Sign As the train passes the ‘advance traction changeover’ sign the driver must prepare to carry out a dynamic manual changeover (E>D). - Note - the pantograph(s) can be lowered at any time, but the changeover MUST be completed before the front of the train reaches the Lower Pantograph Sign.
	Train Class Specific Instruction Sign This sign is a reminder to the driver that diesel mode must be selected for the indicated route. - Note - the pantograph(s) can be lowered at any time, but the changeover MUST be completed before the front of the train reaches the Lower Pantograph Sign.
	Lower Pantograph Sign The driver MUST have lowered the pantograph(s) and selected Diesel Mode by the time the front of the train reaches this sign. The Class 755 Changeover Protection System (COP) will initiate a short distance beyond this point if the pantograph(s) is not in the lowered position.
	Direction Arrow Sign These signs are used in conjunction with the signage above to identify the applicable route.

Anglia Route GI - Dated: 11/12/2022

On-train emergency sanding equipment

Some trains are fitted with emergency sanding equipment which the Driver will operate when it is necessary to stop the train in emergency or conditions of very low railhead 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 signal post telephone, CSR, or GSMR radio, 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 railhead adhesion (where applicable) which required the sander to be operated.

The units and vehicle number on which the sander was operated.

When the train is ready to proceed, the Driver must obtain the Signaller's authorisation before moving the train. When a track circuit operating clip has been used, the Signaller's permission must be received before removing it from the line.

Signallers 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 on which the unit 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 Bi-directional lines, protection must also be applied to prevent the approach of trains in both directions).

When it has been ascertained from the Driver that the train is able to proceed, movements may re-commence. Where applicable, the Signaller must instruct the Driver to remove the track circuit operating clip prior to the train proceeding. 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 must 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 railhead adhesion problems have been reported, the Signaller must also observe Rule Book, Module TW1 – Preparation and movement of trains – General-, TW1 Section 28.1 - Experiencing exceptional rail head conditions

The Signaller must inform Network Rail Control giving details of the unit and vehicle numbers, train running details, time and location of the incident and ensure that all details are recorded (train register/occurrence book) and complete a failure to operate track circuit form if applicable.

Anglia Route GI - Dated: 07/12/13

Operation of Charter trains over the Anglia Route

General conditions of operation

- Train running must be published in Special Traffic Notice.
- Operational authority subject to the necessary route clearance authority being established and published in the STN.
- The Network Rail Charter Train Planner must obtain the approval of track, structures, signalling, telecom, electrical and plant engineers must be obtained for all train running/movements.
- The provisions of Rule Book Module TS1, Regulation 11 – Working of trains carrying passengers over goods lines and loops must be must be applied at all locations where train is required to move over non-passenger lines conveying passengers. Special Signal Box instructions also apply for passenger trains over the Wensum curve.
- The conditions shown in the Anglia Route Sectional Appendix must be applied for all train running/movements including the restrictions listed for trains and coaching stock in the Route Clearance tables.
- A safe and suitable system of working the train must be introduced to mitigate the risk of passengers alighting with no adjacent platform, at stations where the platform length is insufficient to accommodate the entire length of the train. This will include the following:
    1. Alighting Passengers must be assembled in the front carriages of the train before it stops in the platform
    2. The train Conductor must make announcement(s) on the public address system warning passengers not to open the train doors and/or to alight until the train has come to a complete stand and is adjacent to platform
    3. Train Stewards must be instructed to pass through the train reminding passengers not to open the train doors and/or to alight until the train has come to a complete stand and is adjacent to platform
- Arrangements are made to ensure that all signalboxes en-route are open as required
- Authority when granted will only apply to routes shown in Anglia Route sectional appendix

Additional Instructions for Steam Trains

- There should be sufficient coal forward when working under OHLE.
- If the train is required to enter Liverpool Street Station the Station Manager, Network Rail Liverpool Street Station must be advised and the train must only use the West side Platforms.
- The conditions shown in the following Railway Group and Network Rail Standards must be applied:
    - GO/RT3440
    - NR/L2/OPS/104

Specific Instructions relating the passage of Charter trains are published in the Local Instructions

Anglia Route GI - Dated: 02/08/08

RAILWAY CRIME

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

Some examples of suspicious activity could be:

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

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

National GI - Dated: 30/08/14

Sandite application and rail conditioning trains

1. Types of rail conditioning trains

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

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

    1.3 All types of train carry out conditioning of the railhead during autumn by a combination of water jetting and the application of sandite traction gel.

2. Speed

    2.1 The maximum speed of trains when water jetting and applying sandite is 60mph, except for the West Coast South route where the permitted speed is 60mph when water jetting only.

3. Notices

    3.1 Notices will be produced detailing the locations where sanditing and water jetting will take place.

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

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

4. Signalling arrangements

    4.1 Rail conditioning trains will be described, where possible, by train description code 3Jxx when operating water jetting-only diagrams.

    4.2 Rail conditioning trains will be described, where possible, by train description code 3Sxx when operating diagrams that apply sandite.

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

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

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

National GI - Dated: 10/12/16

Stabling of trains

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

Trains must not be stabled on running lines, except:

- On platform lines at terminal stations
- On dead end bay platforms at through stations
- At the following locations shown below

EA1011 Seven Kings to Ipswich

Romford Platform 1 as per Instruction denoted in Separate Appendix Entry

Colchester Up Passenger Loop

Colchester Station Platform 4

Ipswich Station Platform 2

Ipswich Station Platform 4

Shenfield Station Platform 1

Shenfield Station Platform 2

Shenfield Station Platform 3

Shenfield Station Platform 4

Shenfield Station Platform 5

Shenfield Up Passenger Loop.

EA1012 Ipswich to Trowse Jn

Ipswich Down & Up Goods Loop

EA1050 Shenfield Jn to Southend Victoria

Billericay Platform 1

Wickford Platform 2

Wickford Platform 3.

EA1060 Wickford Jn to Southminster

North Fambridge Station, Down platform, (PLT2 on Dn Southminster)

EA1090 Colchester Jn to Clacton

Thorpe-Le-Soken Station, Down Clacton Platform 2

EA1120 Manningtree to Harwich Town

Harwich International Port Station Platform 1

EA1430 East Suffolk Jn to Oulton Broad North

Beccles Up Platform

Beccles Down Platform

Oulton Broad South Platform

EA1161 Bishops Stortford to Ely North Jn

Bishops Stortford Platform 3

Ely Platform 3

EA1390 Fenchurch Street to Shoeburyness

Laindon Station Platform 2

Leigh on Sea Station Platform 2

EA1530 Coldham Lane Jn to Haughley

Bury St Edmunds Down Goods Loop

Weather Forecasts

Lines in the Anglia Route are in three weather forecast areas as follows:
Within the M25 Motorway - GL Area ‘Greater London’.
Outside the M25 Motorway, south of Cambridge and Ipswich – EA2 Area ‘Anglia South’.

North of and including Cambridge and Ipswich – EA1 area ‘Anglia North’.

Anglia Route GI - Dated: 05/08/06

Working of traffic on a reception line/siding

When vehicles are to be placed on a Reception Line/Siding through a connection not operated from a signal box, the person-in-charge must first obtain permission from the Signaller, giving details of the movement involved. Should the movement be contrary to the direction in which trains normally enter the Reception Line/Siding, the Signaller must be advised when the vehicles are at a stand and no further backward movement is to be made. In such circumstances, the Signaller must not allow a train to enter the Reception Line/Siding until he has received this advice.

A tail lamp must be placed on the rearmost vehicle facing the direction from which trains normally enter the Reception Line/Siding. Where a Reception Line/Siding is normally worked in both directions, a tail lamp must be placed at both ends of the vehicles. The lamp must show a red light after sunset and during fog or falling snow.

Anglia Route GI - Dated: 05/08/06

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Explanation of Table A terms and symbols

Index & Key To Symbols

Unless indicated otherwise all information is shown with the Down direction being down the page and the Up direction being up the page.

Location Column

Station names are shown in CAPITALS.

Ground Frames are indicated by the letters GF, Emergency Ground Frames by the letters EGF, Ground Switch Panels by the letters GSP, and Shunt Frames by the letters SF. Where trains may be shut in, a letter "S" in a circle is shown.

Level crossings are indicated by the letters LC and one of the abbreviations below, following the name of the crossing:

- Crossings operated by a Signaller or Crossing Keeper

MCG	Manned Level Crossing (gates) operated locally by a signaller or crossing keeper
MCB	Manned Level Crossing (full barriers) operated locally by a signaller or crossing keeper
CCTV	Manual Level Crossing (full barriers) remotely supervised via closed circuit television
RC	Manual Level Crossing (full barriers) remotely controlled
OD	Manual Level Crossing (full barriers) normally automatically operated with obstacle detection

- Automatic Crossings

AHBC	Automatic Half-Barrier crossing – monitored by signaller
ABCL	Automatic Barrier Crossing - road warning lights and barriers monitored by train crew
R/G	Miniature Red/Green Warning Lights (including Miniature Stop Lights)
AOCL	Automatic Open Crossing - road warning lights monitored by train crew
AOCL+B	Automatic Open Crossing (half barriers) monitored by train crew. The rules applicable to ABCL level crossings apply to this type of crossing.

X shown after the above abbreviations for level crossing type (e.g. AHBC-X, AOCL-X) indicates that the crossing concerned works automatically for movements in the wrong direction.

- Other crossings

TMO	Train Crew Operated
OPEN	Open crossing without road warning lights
UWC	User Worked Crossing
UWB	Crossing with User Worked Barriers
[T]	Accommodation / occupation crossing equipped with telephone.
UI	Accommodation/occupation or footpath level crossing equipped with User Information equipment
BW	Bridleway Crossing

Token Exchange Points on "Radio Electronic Token Block" lines and "No Signaller Token with Remote Crossing Loops" lines are identified by the letters - TEP.

Overhead Line Neutral Sections are indicated by the letters OHNS.

Mileage Column

Mileage is shown in miles and chains. (1 mile = 1760 yards / 1.6 km, 1 chain = 22 yards / 20.11 metres)

Where the lineside mileage changes, the entry is shown:

$$\frac{47\ \ 02}{0\ \ 00}$$

Running lines & speed restrictions column

This contains a diagrammatic representation of all running lines and associated connection, but is not to scale. Lines are displayed as follows:



Passenger line	Goods line	Siding	Running line not controlled by Network Rail	Normal direction of travel	Bi-directional line (Double arrow indicates normal direction of travel)	Line equipped with reversible signalling with a white (un-shaded arrow) to indicate wrong direction of travel

The following abbreviations are used:-

U	Up
UM	Up Main
UF	Up Fast
US	Up Slow
UE	Up Electric
UR	Up Relief
UA	Up Avoiding
UG	Up Goods
USB	Up Suburban
UPL	Up Passenger Loop
UGL	Up Goods Loop
URS	Up Refuge Siding
CL	Crossing Loop in Single Line

D	Down
DM	Down Main
DF	Down Fast
DS	Down Slow
DE	Down Electric
DR	Down Relief
DA	Down Avoiding
DG	Down Goods
DSB	Down Suburban
DPL	Down Passenger Loop
DGL	Down Goods Loop
DRS	Down Refuge Siding
U&D	Up & Down

Where other abbreviations are in use, details are given in the “Signalling & Remarks” column.

Speed Restrictions

- The maximum permissible speed is shown in miles per hour on each running line.
- The location of a change in maximum permissible speed is indicated by a star.
- The mileage at which the speed change occurs is shown in the mileage column, along with a further star.

On bi-directional lines a star may indicate a change in speed in one direction only. This will be indicated by an arrow next to the star and the speed to which it applies (see diagrammatic explanation of symbols table).

Where a differential speed restriction applies, it is indicated as in the following example:

Standard differential speed restriction	Non-Standard differential speed restriction
20 40	20 SP 40

The abbreviation used in the Non-Standard differential speed restrictions is as defined in *Rule Book Module SP, Section 2.5 - Permissible speed indicators with letters*.

The above example of a non-standard differential speed restriction indicates that Sprinter trains are permitted to travel at 40mph and all other trains at 20mph.

On single and bi-directional lines where different speeds apply in each direction the speeds are shown together with an arrow head indicating the direction in which they apply. The arrow head for the Up direction is to the left of the running line, and that for the Down direction to the right.

On single and bi-directional lines where the same speed applies to movements in either direction, no arrows are shown

Unless indicated otherwise by speed signs, the maximum speed over connections to sidings and yards is 15 mph and the maximum speed in Depots and Carriage Sidings is 5 mph.

Where another line or lines lead off from the running line (a loop or additional running line), the speed for that new line will be indicated in the connection and will remain until a change in speed is indicated as normal.

In the Scotland route Sectional Appendix, in accordance with previous signing practices, some speeds may not be indicated on the lineside by a speed sign. Such speeds are therefore prefixed by a small, angled dash to denote that lineside signs **may not** be provided.

Signalling & Remarks column

The “Signalling & Remarks” column contains the following details at the top of each page, and again whenever any of the details therein change:

Mode of signalling	Controlling Signal Box, type and signal prefix (where relevant, the controlling panel or workstation name).	NRN radio channel number where appropriate	CSR number where appropriate



Where shown, route availability number for the line(s) concerned.	Type of electrification where appropriate and electrical control room responsible for the area.

GSM-R

There are two types of GSM-R radio system in use:

1. GSM-R train radio which provides drivers, guards and other on-train staff with a secure means of communication with the signaller, operations controller and ECO for use as the normal method of communication. Areas equipped with GSM-R train radio fixed infrastructure are indicated with the symbol shown below (specific details are shown at the top of each page adjacent to or immediately below the controlling signal box information).



2. GSM-R (IVRS) radio which provides users with a direct means of communication with the signaller for emergency use only. The areas covered by GSM-R (IVRS), together with the symbol below, are shown in the Signalling & Remarks column.



Mode of signalling

TCB	Track Circuit Block
AB	Absolute Block
AB (PF)	Permissive Block
RETB	Radio Electronic Token Block (including the channel number)
ET	Electric Token Block
TB	Tokenless Block
TB(SC)	Scottish Region Tokenless Block
NST	No Signaller Token
NSTR	No Signaller Token with Remote Crossing Loops
NB	No Block
OTS	One Train Working where a staff is provided
OTNS	One Train Working where a staff is not provided
TST	Train Staff and Ticket (detail in Local instructions where applicable)
C2	Western only (see Western General Instructions for details)
ERTMS L2	European Rail Traffic Management System (Level 2)

Electrification

AC	Electrified with Overhead Line Equipment at 25kV Alternating Current.
DC(3)	Electrified with Third Rail at 750 volts Direct Current.
DC(4)	Electrified with Fourth Rail at 750 volts Direct Current.

Note: When Cab Secure / NRN radio channel numbers change, an additional symbol with the new channel number will appear adjacent to the point where the channel changes. The information is read DOWN the page, therefore when a change occurs the new channel number will apply to the area below the additional symbol.

The “Signalling & Remarks” column contains additional information as follows:-

- Special Speed restrictions where denoted by ① (or other number in a circle) in the “Running lines & speed restrictions” column.
- Automatic Staff Warning Systems using the abbreviation FWS - Fixed Warning System (applies to lines as indicated in the “Signalling & Remarks” column).
- AWS - Automatic Warning System. Detail is given for those lines or locations where the system is not fitted.
- TPWS – Train Protection Warning System. Detail is given for those lines of route where the system is not fitted.
- TASS – Tilt Authorisation and Speed Supervision system.

- Loop and Refuge Siding Standage, given in metres / feet or yards / SLU's (1 SLU = 21 feet) (these lengths do NOT take into account defensive driving policy / stand-back from signals).
- Locations of catch points.
- Other additional remarks e.g. telephones where provided for traffic purposes.
- Length of station platforms in metres and yards (these lengths do NOT take into account defensive driving policy / stand-back from signals). Where platform lengths are not given, please refer to the relevant table in the 'General Instructions' section of the Sectional Appendix.
- Local Instructions are referred to where appropriate.
- Locations of Lockout Devices (LOD):
  - LOD (P) - Patrolman's Lockout Device - inhibits movements in one direction only on designated bi-directional line(s)
  - LOD (T) - Traffic Lockout Device - inhibits all movements on designated line(s)
  - NB: Full details of the protection afforded is as defined in the lineside case.
- Locations where Permissive Working is authorised :-
  - PP - Permissive Working - full use for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PP-A - Permissive Working - Attaching and Detaching use only for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PP-S - Permissive Working - Platform Sharing use only for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PP-C - Permissive Working - Contingency use only for class 1, 2, 3 ECS, 5, 9 and 0 trains.
  - PF - Permissive Working for class 3 to 8 and 0 trains.

Additional Layer(s) Table 'A' Symbols



Exceptionally Poor Rail Adhesion Area



Multi SPAD Signals

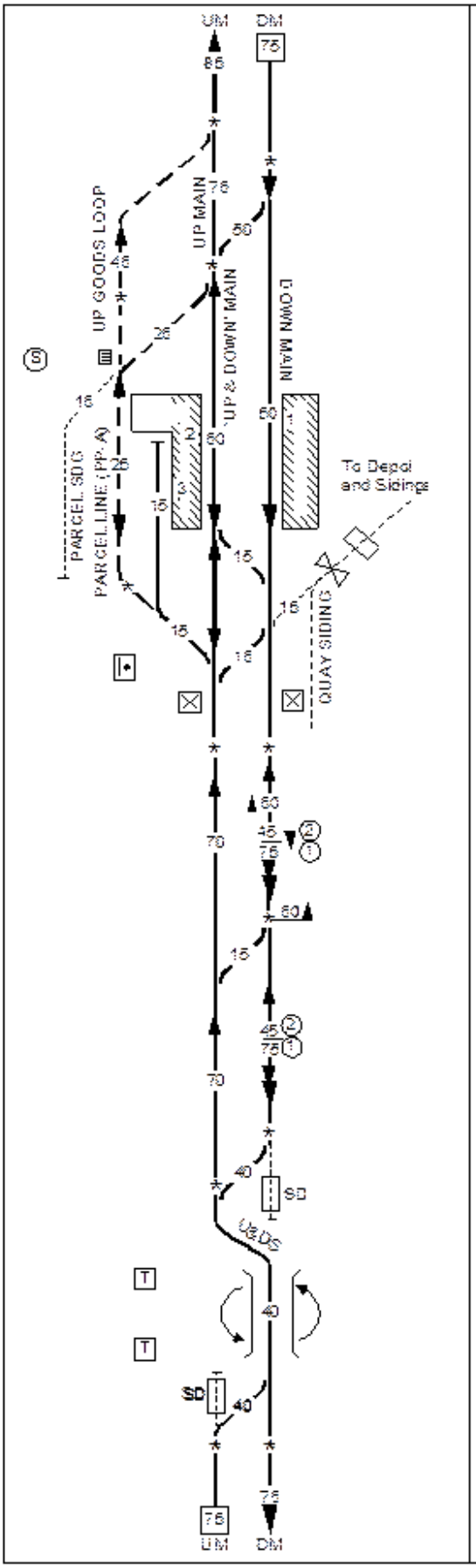


Signal Box Instructions

NOTE:

- These symbols are for electronic links to data held in http://OPSweb.co.uk only.
- The additional information obtained via these links is to be used at the users own risk.
- Any further symbols on Table 'A's which are not listed here are in conjunction with further trials as part of the Sectional Appendix + project.

Diagrammatic explanation of symbols



Speed on Down Main line carried forward from previous page.
Speed on Up Main line carried forward to next page.

Permissible speed change, with mileage provided in mileage column.

Crossover with permissible speed of crossover indicated.

Ground Frame, Emergency Ground Frame, Ground Switch Panel or Shunt Frame. Where trains may be shut in, a letter "S" in a circle is shown on the left-hand side of the diagram.

Station platforms, with platform numbers shown where applicable. Platform lengths are shown in the Signalling & Remarks column or as a General Instruction for the Route concerned.

Platforms without any hatching denote parcels platforms

Weighbridge

Gates

Signal box, power signal box, signalling centre.

Patrolman's or Traffic Lookout Device. Type and details of protection defined in the Signalling & Remarks column.

Permissible speed change, with mileage provided in mileage column.

On bi-directional lines, double arrow indicates normal direction of travel

On single or bi-directional lines, different speeds apply depending on direction of travel. Adjacent arrow indicates in which direction the speed applies.

Change of speed applies in the wrong direction.

Differential speed restriction - details provided in Signalling & Remarks column. See also notes on permissible speeds above

On single or bi-directional lines, speed applicable in both directions.

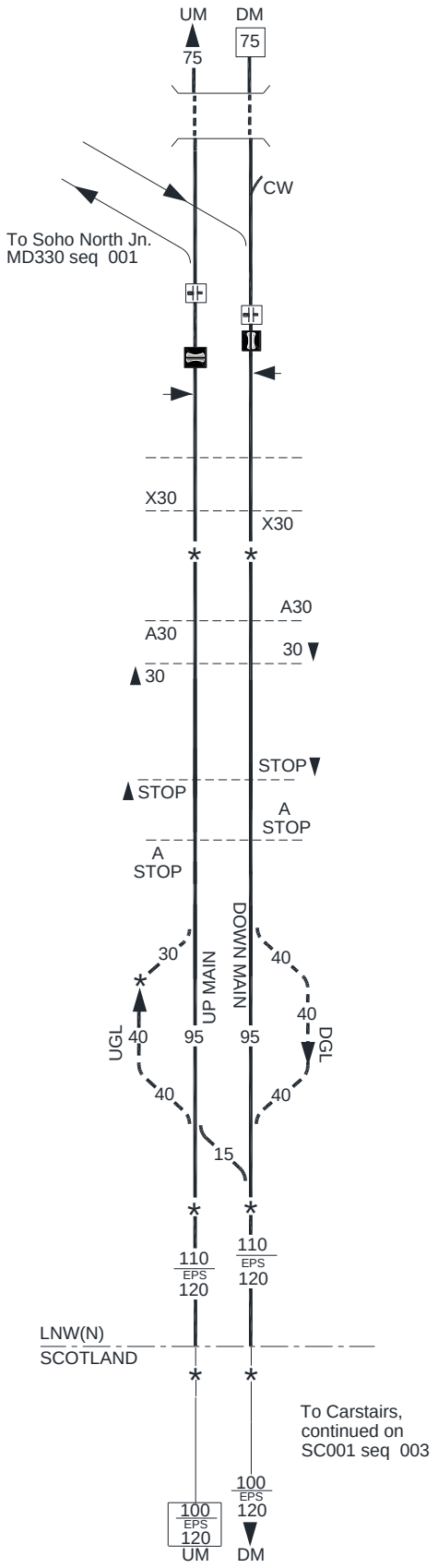
SD: Sand Drag

Lineside telephone.

Moveable (swing or lift) bridge

Lineside telephone.

Speed on Up Main line carried forward from previous page.
Speed on Down Main line carried forward to next page.



Speed on Down Main line carried forward from previous page.
Speed on Up Main line carried forward to next page.

Tunnel: Length is shown in the Location column.

Catch points (C: unworked; CW: worked; D: de-railer). Where appropriate, the distance from fixed signals is shown in the Signalling & Remarks column.

Junction with reference to appropriate Table A page.

Overhead line Neutral Section. OHNS is shown in the Location column.

Automatic Power Change Over - Pantograph Raise

Automatic Power Change Over - Pantograph Lower

Hot Axle Box Detector (HABD), Wheel Impact Load Detector or Wheelcheck Device.

Level crossing.

Level crossing with wrong direction approach speed.

Permissible speed change, with mileage provided in mileage column.

Level crossings with right direction approach speed. An arrow or the prefix 'A' may be used. The previous permissible speed resumes beyond the crossing, unless otherwise shown.

Level crossings where trains must be brought to a stand before proceeding over the crossing. An arrow or the prefix 'A' may be used. The previous permissible speed resumes beyond the crossing, unless otherwise shown.

Permissible speed change, with mileage provided in mileage column.

Non-standard differential permissible speed (in this case, Enhanced Permissible Speed).

Route (or Appendix) boundary, with reference to adjacent Route.

Reference to Table A on which the line is continued.

Speed on Up Main line carried forward from previous page.
Speed on Down Main line carried forward to next page.

Dated: 18/05/19

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Acton Wells Jn	EA1310-005-AR2
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Alexandra Road LC (CCTV)	EA1120-005-AR2
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Alresford LC (CCTV)	EA1090-003-AR2
ALTHORNE	EA1060-003-AR2
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ANGEL ROAD	EA1160-006-AR2
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Ardleigh GSP	EA1011-017-AR2
Ardleigh LC (CCTV)	EA1011-017-AR2
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Audley End Tunnel	EA1161-003-AR2
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Barking Tilbury Line Jn East	EA1380-005-AR2, EA1390-001-AR2
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Batching Plant Sidings	EA1280-002-AR2
BATTLESBRIDGE	EA1060-001-AR2
Baylam LC (AHBC-X)	EA1012-002-AR2
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Bealings LC (ABCL)	EA1430-002-AR2
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Location	Table A - Module
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Beeston Regis LC (UWC)	EA1490-001-AR2
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Bentley LC (AHBC-X)	EA1011-018-AR2
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Black Dam LC	EA1430-012-AR2
Black Horse Drove LC (R/G)	EA1162-002-AR2
Black Mill LC	EA1012-006-AR2
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Blackstock LC	EA1430-005-AR2
Blaxhall LC (AOCL)	EA1430-005-AR2
Blockmore LC (UWC)	EA1540-003-AR2
Bloss LC	EA1430-004-AR2
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Breydon Access No.24 LC (UWC)	EA1510-001-AR2
Breydon Access No.51 LC (UWC)	EA1500-002-AR2
Breydon Sluice LC (UWC)	EA1510-001-AR2
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Location	Table A - Module
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Broad Road LC (UWC)	EA1480-004-AR2
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Browick Road LC (AHBC-X)	EA1580-009-AR2
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Broxbourne CEGB Sidings	EA1160-010-AR2
Broxbourne GF	EA1160-009-AR2
Broxbourne Jn	EA1160-010-AR2, EA1210-001-AR2
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BRUNDALL	EA1470-002-AR2
BRUNDALL GARDENS	EA1470-002-AR2
Brundall Jn	EA1470-002-AR2, EA1500-001-AR2
Brundall Jn SB (BL)	EA1470-002-AR2
Brundall LC (MCG)	EA1470-002-AR2
Bryants No.12 LC	EA1580-002-AR2
BUCKENHAM	EA1470-003-AR2
Buckenham LC (UWC)	EA1470-003-AR2
Bungalow Lane LC (R/G-X)	EA1470-002-AR2
BURES	EA1080-002-AR2
Burgess Drove LC (R/G-X)	EA1161-011-AR2
BURNHAM-ON-CROUCH	EA1060-003-AR2
Burnt House Drove LC (AHBC-X)	EA1560-007-AR2
Burnt House LC (UWC)	EA1470-003-AR2
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Burston LC (AHBC-X)	EA1012-006-AR2
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Cantley LC (MWG)	EA1470-004-AR2
Cantley SB (C)	EA1470-004-AR2
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Cathorpe LC (UWC)	EA1500-002-AR2
Chadderton LC (UWC)	EA1500-002-AR2
CHADWELL HEATH	EA1011-002-AR2
CHAFFORD HUNDRED	EA1410-002-AR2
Chain Bridge LC (AHBC)	EA1570-001-AR2

Location	Table A - Module
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Chapel Road LC (MCG)	EA1500-001-AR2
CHAPPEL & WAKES COLNE	EA1080-001-AR2
CHELMSFORD	EA1011-010-AR2
Cherry Hinton Bypass LC (CCTV)	EA1530-001-AR2
Cherry Hinton High St LC (CCTV)	EA1530-001-AR2
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Cheshunt GF	EA1160-008-AR2
Cheshunt Jn	EA1160-008-AR2, EA1190-002-AR2
Chesterton Jn	EA1161-010-AR2
Chesterton LC (CCTV)	EA1161-010-AR2
Chettisham LC (AHBC-X)	EA1560-001-AR2
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Chingford Platform GF	EA1200-003-AR2
Chippenham Jn	EA1530-004-AR2, EA1540-001-AR2
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Church House Farm LC	EA1080-001-AR2
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Clapton Jn	EA1160-004-AR2, EA1200-001-AR2
Clapton Tunnel	EA1160-003-AR2
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Clarkes Chase LC (UWC)	EA1162-006-AR2
Claydon GF	EA1012-002-AR2
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Colne Jn	EA1100-001-AR2
Coltishall Lane LC	EA1480-003-AR2
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Cornard LC (ABCL)	EA1080-002-AR2
Cousins No.2 LC (UWC)	EA1070-001-AR2
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Cressing LC (ABCL)	EA1070-001-AR2
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Crouch Hill Tunnel	EA1370-002-AR2
Crown Point Control Tower	EA1470-001-AR2
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Cut Throat Lane LC (R/G)	EA1070-001-AR2
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Dagenham East Crossovers	EA1380-007-AR2
Dagenham Heathway (LUL)	EA1380-007-AR2
DALSTON JUNCTION	EA1325-002-AR2
DALSTON KINGSLAND	EA1320-004-AR2
DARSHAM	EA1430-007-AR2
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Dawdys LC (AOCL)	EA1430-013-AR2
Dawe's Hall 1 LC (UWC)	EA1470-003-AR2
Days LC (UWC)	EA1550-001-AR2
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Della LC (UWC)	EA1161-005-AR2
Denver LC (AHBC)	EA1162-003-AR2
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Location	Table A - Module
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Eastrea LC (AHBC-X)	EA1560-007-AR2
Eastrea WHEELCHEX	EA1560-007-AR2
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Eccles Road LC (MCB-OD)	EA1580-006-AR2
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Elm Road LC (AHBC)	EA1570-001-AR2
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Elmswell LC (CCTV)	EA1530-007-AR2
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Elsenham LC (MCG)	EA1161-002-AR2
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Flordon GSP	EA1012-007-AR2
Fobbing LC (AHBC-X)	EA1390-008-AR2
Fordham LC (AHBC-X)	EA1540-001-AR2
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Foster Yeoman Sidings	EA1390-004-AR2

Location	Table A - Module
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Foxton Gate Box	EA1230-003-AR2
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Freightliner Depot East End GF	EA1390-002-AR2
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Frinton LC (CCTV)	EA1110-002-AR2
FRINTON-ON-SEA	EA1110-002-AR2
Fulbourn LC (AHBC)	EA1530-002-AR2
Fullers End Footpath LC (R/G-X)	EA1161-001-AR2
Funthams Lane LC (CCTV)	EA1560-009-AR2
Fysons LC (UWC)	EA1161-011-AR2
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Gamekeepers LC	EA1430-012-AR2
Gardners LC (CCTV)	EA1390-009-AR2
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Girlings LC (R/G-X)	EA1470-001-AR2
Gislingham LC	EA1012-005-AR2
Gissing No.2 LC (AHBC-X)	EA1012-006-AR2
Goldens LC	EA1060-003-AR2
Goldies LC	EA1470-003-AR2
Goodens No 1 LC (UWC)	EA1161-011-AR2
Gooderham's No.41 LC	EA1580-005-AR2
Gooderham's No.42 LC	EA1580-005-AR2
GOODMAYES	EA1011-001-AR2
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Government LC (UWC)	EA1160-008-AR2
Grammer School Farm LC (UWC)	EA1480-005-AR"
Granhams LC (CCTV)	EA1161-006-AR2
Gravel Dam LC (UWC)	EA1470-006-AR2
Gravel Pit LC (ABCL)	EA1430-013-AR2
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Grooms Farm LC (UWC)	EA1060-002-AR2
Grove Road LC (ABCL)	EA1430-011-AR2
Gun Lane LC (UWC)	EA1440-002-AR2
GUNNERSBURY	EA1310-007-AR2
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HACKNEY DOWNS	EA1160-002-AR2
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Location	Table A - Module
HADDISCOE	EA1470-005-AR2
HAGGERSTON	EA1325-002-AR2
Hales Street LC (AHBC-X)	EA1012-006-AR2
HALESWORTH	EA1430-009-AR2
Halifax Jn	EA1011-018-AR2, EA1130-001-AR2
Hall Farm LC	EA1530-007-AR2
HAMPSTEAD HEATH	EA1310-002-AR2
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Hardmead LC (UWC)	EA1210-002-AR2
Hargham No.1 LC (AHBC)	EA1580-007-AR2
Hargham No.2 LC	EA1580-007-AR2
HARLING ROAD	EA1580-006-AR2
Harling Road LC (MCB-OD)	EA1580-006-AR2
HARLOW MILL	EA1160-012-AR2
Harlow Mill GF	EA1160-012-AR2
HARLOW TOWN	EA1160-011-AR2
Harlow Town GF	EA1160-011-AR2
HAROLD WOOD	EA1011-006-AR2
HARRINGAY GREEN LANES	EA1370-003-AR2
Harringay Park Jn	EA1370-002-AR2
Harston LC (AHBC)	EA1230-003-AR2
Harts Drove LC (R/G)	EA1560-008-AR2
HARWICH INTERNATIONAL PORT	EA1120-004-AR2
HARWICH TOWN	EA1120-005-AR2
HATFIELD PEVEREL	EA1011-011-AR2
Haughley Jn	EA1012-004-AR2, EA1530-007-AR2
Haughley LC (AHBC)	EA1012-004-AR2
Hauxton LC (AHBC)	EA1230-003-AR2
Hawks LC (UWC)	EA1540-004-AR2
Hayes LC (UWC)	EA1230-003-AR2
Haywards LC (AOCL)	EA1430-003-AR2
Heath Farm LC (UWC)	EA1480-004-AR2
Heath No.59 LC	EA1580-006-AR2
Herringfleet LC (UWC)	EA1470-005-AR2
HERTFORD EAST	EA1210-003-AR2
Hethersett GF	EA1580-009-AR2
Hiams Fen House No.20 LC	EA1580-002-AR2
High Meads Jn	EA1340-001-AR2, EA1350-001-AR2
High Meads Loop Enclosure	EA1350-001-AR2
HIGHAMS PARK	EA1200-002-AR2
Highams Park LC (CCTV)	EA1200-002-AR2
HIGHBURY & ISLINGTON	EA1320-003-AR2, EA1325-001-AR2
Highnoon (UCW)	EA1500-001-AR2
Hilgay LC (AHBC)	EA1162-003-AR2
Hill Crest LC (UWC)	EA1470-004-AR2
Hillings Road LC	EA1430-012-AR2
Hinxton LC (AHBC)	EA1161-005-AR2
Hitch's No.12 LC (UWC)	EA1540-002-AR2
Hitch's No.13 LC	EA1540-002-AR2
Hockham Road LC (R/G-X)	EA1580-005-AR2
HOCKLEY	EA1050-003-AR2
Hoe Street Tunnel	EA1200-001-AR2
Hogs Croft LC	EA1161-002-AR2
Hogwell LC (UWC)	EA1060-002-AR2
Hollow LC (UWC)	EA1580-002-AR2
Holme Road LC	EA1162-005-AR2
Holywell Viaduct	EA1325-002-AR2
HOMERTON	EA1320-005-AR2
Hornchurch (LUL)	EA1380-007-AR2

Location	Table A - Module
Horse Fen LC (UWC)	EA1540-002-AR2
Horsemoor LC (AHBC-X)	EA1560-004-AR2
HOVETON & WROXHAM	EA1480-002-AR2
HOXTON	EA1325-002-AR2
Hubbards LC	EA1430-008-AR2
Hunters LC (UWC)	EA1510-001-AR2
Hunwick Jn	EA1090-001-AR2
HYTHE	EA1090-002-AR2
Hythe Jn	EA1090-002-AR2, EA1100-001-AR2
Hythe Station LC (CCTV)	EA1090-002-AR2
Ickleton Mill Lane LC (UWC)	EA1161-005-AR2
Ickleton Rd LC (CCTV)	EA1161-004-AR2
ILFORD	EA1010-012-AR2
Ilford Depot London End	EA1010-012-AR2
Ilford Flyover	EA1010-011-AR2
Ingate Street LC (ABCL)	EA1430-011-AR2
INGATESTONE	EA1011-009-AR2
Ingatestone LC (MCB)	EA1011-009-AR2
Intwood LC (AHBC-X)	EA1580-009-AR2
IPSWICH	EA1011-018-AR2
Ipswich Goods Jn	EA1012-001-AR2, EA1140-001-AR2
Ipswich Tunnel	EA1011-018-AR2
Ipswich Upper Yard	EA1012-001-AR2
Jack O'Tell LC (UWC)	EA1161-011-AR2
Jaques Hall LC (UWC)	EA1120-003-AR2
Junction Road Jn	EA1370-001-AR2
Jurgens LC (MCB)	EA1390-004-AR2
Keepers Lane LC (UWC)	EA1440-002-AR2
KELVEDON	EA1011-013-AR2
Kemp LC (UWC)	EA1500-002-AR2
KENNETT	EA1530-004-AR2
Kensal Green Junction	EA1310-004-AR2
KENSAL RISE	EA1310-003-AR2
KENTISH TOWN WEST	EA1310-001-AR2
Kersey No.1 LC (UWC)	EA1380-011-AR2
Kersey No.7 LC (UWC)	EA1380-011-AR2
Keswick LC (AHBC-X)	EA1580-010-AR2
Kew East Jn	EA1330-001-AR2
Kew East Jn (KE) SB	EA1330-001-AR2
KEW GARDENS	EA1310-008-AR2
Kiln Lane LC (AHBC-X)	EA1161-014-AR2
KING S LYNN	EA1162-007-AR2
King's Lynn Jn (KL) SB	EA1162-007-AR2
Kings Dyke LC (MCB)	EA1560-009-AR2
Kings Dyke SB (K)	EA1560-009-AR2
Kings LC (UWC)	EA1161-004-AR2
Kings Lynn Jn	EA1270-001-AR2
Kings Lynn Yard	EA1162-007-AR2
Kings Sidings GF	EA1540-001-AR2
KIRBY CROSS	EA1110-001-AR2
Kisby LC (UWC)	EA1560-006-AR2, EA1161-012
Knodishall LC (TMO)	EA1520-001-AR2
Ladysbridge LC (UWC)	EA1080-002
LaFarge Marine Terminal Sidings	EA1390-004-AR2
LAINDON	EA1380-009-AR2
Lakenham	EA1012-007-AR2
LAKENHEATH	EA1580-002-AR2
Lakenheath LC (MCB-OD)	EA1580-002-AR2

Location	Table A - Module
Lakenheath No.8 LC (R/G)	EA1580-002-AR2
Lamarsh School Lane LC (UWC)	EA1080-002
Lambert LC (UWC)	EA1162-005
Landspring Beck LC (UWC)	EA1470-005-AR2
Landspring Dyke LC (UWC)	EA1470-005-AR2
Laundry Lane LC (AOCL)	EA1530-001-AR2
Lea Jn	EA1320-006-AR2, EA1340-001-AR2
LEIGH-ON-SEA	EA1380-011-AR2
Leiston Station LC (TMO)	EA1520-001-AR2
Leonards No.31 LC (UWC)	EA1540-003-AR2
Levington No.6 LC (AHBC)	EA1440-002-AR2
LEYTON MIDLAND ROAD	EA1370-004-AR2
LEYTONSTONE HIGH ROAD	EA1370-004-AR2
Lime Kiln LC (AOCL)	EA1430-003-AR2
LIMEHOUSE	EA1380-002-AR2
Limehouse (DLR)	EA1380-002-AR2
Limpenhoe LC (UWC)	EA1470-004-AR2
Lincoln Road LC (MCG)	EA1170-004-AR2
LINGWOOD	EA1500-001-AR2
Lingwood LC (MCG)	EA1500-001-AR2
Little Hayes LC (UWC)	EA1060-002-AR2
Littlebury Tunnel	EA1161-003-AR2
LITTLEPORT	EA1162-001-AR2
Littleport Bypass LC (AHBC-X)	EA1162-002-AR2
Littleport Footpath LC (R/G)	EA1162-001-AR2
Littleport (L) SB	EA1162-001-AR2
Littleport LC (MCG)	EA1162-001-AR2
LIVERPOOL STREET	EA1010-001-AR2
Liverpool St (L) IECC	EA1010-001-AR2
Lock Gate Mill LC (UWC)	EA1510-001-AR2
LONDON FIELDS	EA1160-001-AR2
London Road LC (ABCL)	EA1430-010-AR2
Long Drain LC (UWC)	EA1510-001-AR2
Long Green FP LC (R/G-X)	EA1011-013-AR2
Low Street LC (CCTV)	EA1390-007-AR2
LOWESTOFT	EA1470-007-AR2
Lowestoft SB (L)	EA1470-007-AR2
Magdalen Road (MR) SB	EA1162-005-AR2
Magdalen Road LC (MCB)	EA1162-005-AR2
Maltings LC (UWC)	EA1210-001-AR2
MANEA	EA1560-003-AR2
Manea LC (MCB)	EA1560-003-AR2
Manea SB (M)	EA1560-003-AR2
MANNINGTREE	EA1011-017-AR2, EA1120-001-AR2
Manningtree East Jn	EA1120-001-AR2
Manningtree North Jn	EA1011-017-AR2, EA1120-001-AR2
Manningtree South Jn	EA1120-001-AR2
Manningtree South Jn LC (CCTV)	EA1011-017-AR2
MANOR PARK	EA1010-011-AR2
Manor Way LC (CCTV)	EA1390-003-AR2
MARCH	EA1560-006-AR2
March East Jn	EA1560-006-AR2, EA1570-001-AR2
March East LC (MCB)	EA1560-005-AR2
March East SB (ME)	EA1560-005-AR2
March South LC (MCB)	EA1560-005-AR2
March South SB (MS)	EA1560-005-AR2
March West Jn	EA1560-006-AR2
March West Jn	EA1570-001-AR2

Location	Table A - Module
Margaretting FP LC (R/G)	EA1011-010-AR2
Margaretting WHEELCHEX	EA1011-010-AR2
MARKS TEY	EA1011-014-AR2, EA1080-001-AR2
Marks Tey GF	EA1080-001-AR2
Marks Tey Jn	EA1011-014-AR2, EA1080-001-AR2
Marks Tey Jn Mainline points	EA1080-001-AR2
Marshes LC (UWC)	EA1510-001-AR2
Marsh Lane LC (UWC)	EA1012-004-AR2
Martins LC (UWC)	EA1162-003-AR2
MARYLAND	EA1010-008-AR2
Maryland East Crossovers	EA1010-009-AR2
Mead Lane FP (R/G-X)	EA1210-003-AR2
MELDRETH	EA1230-001-AR2
Meldreth Road LC (AHBC)	EA1230-002-AR2
Mellis LC (AHBC-X)	EA1012-005-AR2
MELTON	EA1430-004-AR2
Melton LC (AOCL)	EA1430-004-AR2
Merrings LC (UWC)	EA1390-009-AR2
Middle Drove LC (R/G)	EA1560-006-AR2
Middlemere LC (AHBC)	EA1540-003-AR2
Middleton LC (ABCL)	EA1430-007-AR2
Middleton Towers	EA1270-001-AR2
Middleton Towers LC No.6 (TMO)	EA1270-001-AR2
Mile End	EA1010-004-AR2
Mile End LC (AHBC-X)	EA1580-001-AR2
Mill Drove LC (AHBC-X)	EA1540-002-AR2
Mill Hill Farm LC (UWC)	EA1470-005-AR2
Milton Fen LC (AHBC)	EA1161-011-AR2
MISTLEY	EA1120-002-AR2
Mistley Footpath LC (R/G)	EA1120-002-AR2
Mistley Up Sidings GF	EA1120-002-AR2
Moores LC	EA1530-002-AR2
Morston Hall LC (AHBC)	EA1440-002-AR2
Moulton LC (AHBC-X)	EA1012-007-AR2
Mount Bures LC (ABCL)	EA1080-001-AR2
Mountnessing Jn	EA1050-001-AR2
Mucking LC (AHBC)	EA1390-008-AR2
Munceys LC	EA1540-001-AR2
Museum GF	EA1080-001-AR2
Nairns (No.117) LC (UWC)	EA1161-012-AR2
Navarino Road Jn	EA1180-001-AR2, EA1320-004-AR2
Neasden Jn	EA1360-001-AR2
Neasden Jn (NJ) SB	EA1360-001-AR2
NEEDHAM MARKET	EA1012-002-AR2
NEW CROSS	EA1325-005-AR2
New Cross Depot	EA1325-005-AR2
NEW CROSS GATE	EA1325-005-AR2
New Cross Gate Down Jn	EA1325-005-AR2
New Cross Gate North Jn	EA1325-005-AR2
New Cross Gate Up Jn	EA1325-005-AR2
New Cut LC (UWC)	EA1470-005-AR2
Newmans LC (UWC)	EA1060-003-AR2
NEWMARKET	EA1530-003-AR2
Newmarket Bridge	EA1540-004-AR2
NEWPORT	EA1161-002-AR2
Newton Flotman LC (AHBC-X)	EA1012-007-AR2
New Road LC (UWC)	EA1162-002-AR2
No.12 LC	EA1430-012-AR2

Location	Table A - Module
No.33 LC	EA1580-004-AR2
No.43 Gate LC (TMO)	EA1420-001-AR2
No.79A LC	EA1580-008-AR2
No.93 LC	EA1580-010-AR2
No.168 LC	EA1390-007-AR2
North Cove LC	EA1430-012-AR2
NORTH FAMBRIDGE	EA1060-002-AR2
North Fen LC (AHBC-X)	EA1560-002-AR2
North Green LC (AOCL)	EA1430-006-AR2
NORTH WALSHAM	EA1480-005-AR2
NORTHUMBERLAND PARK	EA1160-006-AR2
Northumberland Park LC (CCTV)	EA1160-006-AR2
Norton Marsh LC (UWC)	EA1470-005-AR2
NORWICH	EA1013-002-AR2
Norwich Road LC (AHBC-X)	EA1480-001-AR2
Norwood Road LC (AHBC)	EA1560-006-AR2
Nursery LC (UWC)	EA1110-001-AR2
OCKENDON	EA1410-001-AR2
Old Hall Mill LC (UWC)	EA1500-002-AR2
Old Kew Jn (to)	EA1330-001-AR2
Old Lady LC (UWC)	EA1510-001-AR2
Old Oak Jn (Former site of)	EA1310-005-AR2
Orient Way Sidings	EA1280-002-AR2
OULTON BROAD NORTH	EA1470-006-AR2
Oulton Broad North Jn	EA1430-013-AR2, EA1470-007-AR2
Oulton Broad North LC (MCB)	EA1470-006-AR2
Oulton Broad North SB (OB)	EA1470-006-AR2
OULTON BROAD SOUTH	EA1430-013-AR2
Oulton Broad Swing Bridge	EA1430-013-AR2
Oulton Broad Swing Bridge GF	EA1430-013-AR2
Palgrave LC (AHBC-X)	EA1012-005-AR2
Palmers No.142 LC	EA1580-001-AR2
Park Lane LC	EA1580-008-AR2
Park Lane LC (MCG)	EA1190-001-AR2
Parkeston East LC (CCTV)	EA1120-004-AR2
Parkeston Goods Jn	EA1120-004-AR2
Parkeston SB (P)	EA1120-004-AR2
Parkeston West (MCB) LC	EA1120-004-AR2
Parkeston Yard	EA1120-004-AR2
Peacocks No 17 LC (UWC)	EA1162-002
Peacocks No 18 LC (UWC)	EA1162-002
PETERBOROUGH	EA1560-009-AR2
Phillpot LC (UWC) (New House Farm No.43)	EA1070-001-AR2
Pitts LC (UCW)	EA1550-001-AR2
PITSEA	EA1380-010-AR2, EA1390-010-AR2
Pitsea Hall LC (CCTV)	EA1390-009-AR2
Pitsea Jn	EA1380-010-AR2, EA1390-010-AR2
Pitmire Lane LC (UWC)	EA1080-002-AR2
Plaistow (LUL)	EA1380-003-AR2
Plantation LC (UWC)	EA1500-002-AR2
Pleasants LC (R/G) (UWC)	EA1162-003-AR2
Pond Street LC (UWC)	EA1480-005-AR2
PONDERS END	EA1160-006-AR2
Pools No.2 LC	EA1580-002-AR2
Popes (Double Crossing) LC (UWC)	EA1580-001-AR2
Poplar Drove No.30 LC (UWC)	EA1540-003-AR2
Poplar Farm LC (MCB-OD)	EA1580-007-AR2
Pork Lane LC (AHBC)	EA1110-001-AR2

Location	Table A - Module
Port of Felixstowe North Terminal Branch	EA1450-001-AR2
Pratts LC (UWC)	EA1500-002-AR2
PRIMROSE HILL (CLOSED)	EA1320-001-AR2
PRITTLEWELL	EA1050-004-AR2
Procter & Gamble Siding	EA1390-005-AR2
Pudding Mill Lane (DLR)	EA1010-005-AR2
PURFLEET	EA1390-004-AR2
Purfleet LC (CCTV)	EA1390-004-AR2
Purfleet Rifle Range LC (UWC)	EA1390-003-AR2
Queen Adelaide LC (AHBC-X)	EA1162-001-AR2, EA1560-001-AR2, EA1580-001-AR2
Queens Road Tunnel	EA1160-003-AR2
Rackheath Road LC (AHBC-X)	EA1480-001-AR2
RAINHAM	EA1390-003-AR2
Rainham LC (CCTV)	EA1390-003-AR2
Ramsey Road LC (AHBC)	EA1560-008-AR2
RAYLEIGH	EA1050-003-AR2
Reading Lane Jn	EA1160-001-AR2, EA1180-001-AR2
Rectory Farm LC (UWC)	EA1230-003-AR2
Rectory Rd LC (AHBC-X)	EA1012-005-AR2
RECTORY ROAD	EA1170-001-AR2
Red Cross Lane LC (UWC)	EA1161-007-AR2
Red House (Kelsale) LC	EA1430-006-AR2
Red House Farm LC	EA1430-005-AR2
Redland GF	EA1530-005-AR2
Redmoor LC (AOCL)	EA1570-002-AR2
REEDHAM	EA1470-004-AR2
Reedham Accomodation LC (UWC)	EA1510-001-AR2
Reedham High LC (UWC)	EA1510-001-AR2
Reedham Jn	EA1470-004-AR2, EA1510-001-AR2
Reedham Jn SB (RJ)	EA1470-004-AR2
Reedham Occupation LC (UWC)	EA1510-001-AR2
Reedham Swing Bridge SB (RB)	EA1470-005-AR2
Regent Street LC (CCTV)	EA1012-004-AR2
Renwick Road Jn	EA1390-001-AR2
RICHMOND	EA1310-008-AR2
Richmond (GB) SB	EA1310-008-AR2
Ripple Lane East Jn (Down Tilbury / Goods)	EA1390-002-AR2
Ripple Lane East Jn (Up Tibury / Goods)	EA1390-001-AR2
River Board LC (UWC)	EA1470-005-AR2
Robarts I LC (UWG)	EA1160-012-AR2
Robarts III LC (UWG)	EA1160-012-AR2
ROCHFORD	EA1050-003-AR2
Rolt Street Jn	EA1325-005-AR2
ROMFORD	EA1011-004-AR2, EA1040-001-AR2
Romford Jn	EA1011-004-AR2
Rookery No.1 LC (UWC)	EA1060-002-AR2
Rose Lane LC	EA1580-007-AR2
ROTHERHITHE	EA1325-004-AR2
Roudham Hall Road LC	EA1580-005-AR2
ROUGHTON ROAD	EA1480-006-AR2
Roundabout Drove LC (UWC)	EA1540-004-AR2
Routes No.8 LC (R/G)	EA1440-001-AR2
Royal Mint Street Jn (DLR)	EA1380-001-AR2
ROYDON	EA1160-011-AR2
Roydon Lock LC (UWC)	EA1160-011-AR2
Roydon Station LC (CCTV)	EA1160-011-AR2
ROYSTON	EA1230-001-AR2
Ruckholt Rd Jn	EA1280-002-AR2

Location	Table A - Module
RYE HOUSE	EA1210-001-AR2
SALHOUSE	EA1480-002-AR2
Salvation Army Colony 2 LC (UWC)	EA1380-011-AR2
Sandhill LC (AHBC-X)	EA1162-001-AR2
Sandy Lane LC	EA1580-007-AR2
Santon LC (AHBC-X)	EA1580-004-AR2
SAWBRIDGEWORTH	EA1160-013-AR2
Sawbridgeworth LC (CCTV)	EA1160-013-AR2
Sawston LC (CCTV)	EA1161-006-AR2
SAXMUNDHAM	EA1430-006-AR2
Saxmundham Jn	EA1430-006-AR2
Saxmundham Jn GF	EA1520-001-AR2
Saxmundham Road LC (TMO)	EA1520-001-AR2
Saxmundham SB (SM)	EA1430-006-AR2
Scaregap LC (UWC)	EA1500-002-AR2
School Lane (UWC)	EA1470-003-AR2
Second Drove LC (AHBC-X)	EA1560-002-AR2
SEVEN KINGS	EA1010-013-AR2
SEVEN SISTERS	EA1170-002-AR2
Seven Sisters GF	EA1170-002-AR2
Seven Sisters Jn	EA1170-002-AR2, EA1300-001-AR2
Sewage Works Lane LC (UWC)	EA1080-002-AR2
SHADWELL	EA1325-003-AR2
Shadwell (DLR)	EA1380-002-AR2
Shadwell LC	EA1580-005-AR2
Shalfords LC (UWC)	EA1080-002-AR2
Shearing No 2 LC (UWC)	EA1500-002-AR2
SHELFORD	EA1161-006-AR2
Shelford LC (CCTV)	EA1161-006-AR2
SHENFIELD	EA1011-008-AR2, EA1050-001-AR2
Shenfield Jn	EA1011-008-AR2, EA1050-001-AR2
Shenfield Middle Sidings	EA1011-008-AR2
SHEPRETH	EA1230-002-AR2
Shepreth Branch Jn	EA1161-007-AR2, EA1230-003-AR2
Shepreth LC (AHBC)	EA1230-002-AR2
SHERINGHAM	EA1490-001-AR2
Sheringham East LC	EA1490-001-AR2
SHIPPEA HILL	EA1580-001-AR2
Shippea Hill LC (MCB-OD)	EA1580-001-AR2
SHOEBURYNESS	EA1380-015-AR2
SHOREDITCH HIGH STREET	EA1325-003-AR2
Short Drove LC (UWC)	EA1540-003-AR2
Silt Drove LC (T)	EA1560-004-AR2
SILVER STREET	EA1170-003-AR2
Six Mile Bottom LC (AHBC)	EA1530-002-AR2
Sizewell LC (TMO)	EA1520-001-AR2
Skoulding LC (UWC)	EA1470-005-AR2
Slipe Lane LC (UWC)	EA1160-008-AR2
Sloley Church Lane LC (AHBC)	EA1480-004-AR2
Sluts Hole LC	EA1580-008-AR2
Snailwell Jn (Former site of)	EA1540-001-AR2
Snape LC	EA1430-005-AR2
Snowdons LC (UWC)	EA1520-001-AR2
Soham Station LC	EA1540-002-AR2
SOMERLEYTON	EA1470-006-AR2
Somerleyton Estate LC (UWC)	EA1470-006-AR2
Somerleyton GF	EA1470-006-AR2
Somerleyton Station LC (UWC)	EA1470-006-AR2

Location	Table A - Module
Somerleyton Swing Bridge SB (SB)	EA1470-006-AR2
SOUTH ACTON	EA1310-006-AR2
South Acton Jn	EA1310-006-AR2, EA1330-001-AR2
SOUTH TOTTENHAM	EA1370-003-AR2
South Tottenham East Jn	EA1290-001-AR2, EA1370-003-AR2
South Tottenham Station Jn SB (S)	EA1370-003-AR2
South Tottenham West Jn	EA1300-001-AR2, EA1370-003-AR2
SOUTH WOODHAM FERRERS	EA1060-001-AR2
SOUTHBURY	EA1190-001-AR2
SOUTHEND CENTRAL	EA1380-013-AR2
SOUTHEND EAST	EA1380-014-AR2
Southend GF	EA1050-004-AR2
SOUTHEND VICTORIA	EA1050-004-AR2
Southery LC (UWC)	EA1162-003-AR2
SOUTHMINSTER	EA1060-003-AR2
Southminster GF	EA1060-003-AR2
Spellbrook LC (CCTV)	EA1160-013-AR2
Spinks Lane LC (R/G-X)	EA1580-009-AR2
SPOONER ROW	EA1580-008-AR2
Spooner Row LC (MCB-OD)	EA1580-008-AR2
Spratts Water LC	EA1430-013-AR2
Spronces LC (AHBC-X)	EA1580-007-AR2
St Germans LC (AHBC)	EA1162-006-AR2
ST MARGARETS	EA1210-001-AR2
St Margarets LC (CCTV)	EA1210-001-AR2
ST JAMES STREET	EA1200-001-AR2
Standfords Farm LC (UWC)	EA1060-003-AR2
STAMFORD HILL	EA1170-001-AR2
STANFORD-LE-HOPE	EA1390-008-AR2
Stanford-Le-Hope LC (CCTV)	EA1390-008-AR2
STANSTED AIRPORT	EA1220-002-AR2
Stansted Airport Tunnel	EA1220-001-AR2
Stansted East Jn	EA1220-001-AR2
STANSTED MOUNTFITCHET	EA1161-001-AR2
Stansted North Jn	EA1161-001-AR2, EA1220-001-AR2
Stansted South Jn	EA1161-001-AR2, EA1220-001-AR2
Stoke Bridge LC	EA1140-001-AR2
STOKE NEWINGTON	EA1170-001-AR2
Stoke Newington Tunnel	EA1170-001-AR2
Stokes Hall LC (UWC)	EA1060-003-AR2
Stonea LC (MCG)	EA1560-003-AR2
Stonea SB (S)	EA1560-003-AR2
Stora Sidings GSP	EA1390-001-AR2
Stow Bardolph LC (CCTV)	EA1162-005-AR2
Stowmaries No.1 LC (UWC)	EA1060-001-AR2
STOWMARKET	EA1012-003-AR2
Stowmarket (MCB) LC	EA1012-003-AR2
Stracey LC (UWC)	EA1500-002-AR2
STRATFORD	EA1010-007-AR2, EA1280-001-AR2, EA1320-007-AR2
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Stratford Country End Crossovers	EA1010-008-AR2
Straws LC (UCW)	EA1540-003-AR2
Strumpshaw Occupation LC (UWC)	EA1470-003-AR2
Strumpshaw Fen LC (UWC)	EA1470-003-AR2
Strumpshaw LC (MCG)	EA1470-003-AR2
SUDBURY	EA1080-002-AR2
Sun Wharf LC (AOCL)	EA1430-003-AR2
SURREY QUAYS	EA1325-004-AR2

Location	Table A - Module
Surrey Quays Portal	EA1325-004-AR2
Suton LC (AHBC-X)	EA1580-008-AR2
Swainsthorpe LC (AHBC-X)	EA1012-007-AR2
Tabrums Cross LC (UWC)	EA1060-001-AR2
Temple Mills East Jn	EA1280-001-AR2, EA1350-001-AR2
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Tennyson Avenue LC (MCB)	EA1162-007-AR2
Teversham LC (AHBC)	EA1530-001-AR2
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Thames Haven Jn	EA1390-008-AR2, EA1420-001-AR2
Thames Haven Shunter's Cabin	EA1420-001-AR2
Thames Matex Sidings	EA1390-004-AR2
The Drove No.5 LC	EA1580-002-AR2
THEOBALDS GROVE	EA1190-002-AR2
THETFORD	EA1580-004-AR2
Third Drove LC (AHBC-X)	EA1560-002-AR2
THORPE BAY	EA1380-014-AR2
Thorpe Jn	EA1013-002-AR2, EA1470-001-AR2
Thorpe Lane LC (AHBC)	EA1440-002-AR2
Thorpe Le Fallows LC (UWC)	EA1500-002-AR2
THORPE-LE-SOKEN	EA1090-005-AR2
Thorpe-Le-Soken Jn	EA1090-005 AR2, EA1110-001-AR2
Thorrington LC (CCTV)	EA1090-003-AR2
Three Gates LC (UWC) (Walton Single)	EA1110-001-AR2
Three Gates LC (UWC) (Clacton Line)	EA1090-005-AR2
Three Horse Shoes No.1 LC (AHBC-X)	EA1560-007-AR2
Three Horse Shoes No.2 LC (AHBC-X)	EA1560-007-AR2
Three Horse Shoes No.3 LC (AHBC-X)	EA1560-007-AR2
Three Horse Shoes SB (THS)	EA1560-007-AR2
THURSTON	EA1530-006-AR2
Thurston Footpath LC (R/G)	EA1530-006-AR2
Tilbury Riverside International Rail Freight Terminal	EA1390-007-AR2
TILBURY TOWN	EA1390-007-AR2
Tilbury West Jn (Former site of)	EA1390-007-AR2
Tiled House Farm LC (AHBC)	EA1540-003-AR2
Tivetshall LC (AHBC-X)	EA1012-006-AR2
TOTTENHAM HALE	EA1160-005-AR2
Tottenham South Jn	EA1160-005-AR2, EA1290-001-AR2
Tower Gateway (DLR)	EA1380-001-AR2
Towler LC (UWC)	EA1162-006-AR2
Trees LC (CCTV)	EA1161-003-AR2
TRIMLEY	EA1440-002-AR2, EA1450-001-AR2
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Trinity Lane LC (MCG)	EA1160-007-AR2
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Trowse Swing Bridge SB (TB)	EA1013-001-AR2
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Tunstead Market Street LC (AHBC)	EA1480-003-AR2
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Valance Road Portal	EA1325-003-AR2
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Victoria Park Jn (Former site of)	EA1320-005-AR2
Victoria Road LC (CCTV)	EA1430-013-AR2
Waldersea LC (TMO)	EA1570-002-AR2
Walpole LC (CCTV)	EA1480-005-AR2
WALTHAM CROSS	EA1160-007-AR2
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Walthamstow GF	EA1200-001-AR2
WALTHAMSTOW QUEENS ROAD	EA1370-004-AR2
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WANSTEAD PARK	EA1370-004-AR2
WAPPING	EA1325-003-AR2
WARE	EA1210-002-AR2
Ware LC (CCTV)	EA1210-002-AR2
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Wassicks LC (AHBC-X)	EA1012-004-AR2
Water Pit Lane LC	EA1480-003-AR2
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Waterbeach LC (AHBC)	EA1161-011-AR2
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Wells Engine LC (UWC)	EA1540-004-AR2
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WEST RUNTON	EA1490-001-AR2
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Westhall LC (ABCL)	EA1430-009-AR2
Westley Road LC (R/G)	EA1530-002-AR2
Weston LC (AOCL)	EA1430-010-AR2
Wharf Road LC (AHBC-X)	EA1160-008-AR2

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Wisbech Bypass LC (AOCL)	EA1570-002-AR2
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Woodham Ferrers LC (ABCL)	EA1060-001-AR2
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Wrabness Footpath LC (R/G)	EA1120-003-AR2
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Wymondham GF	EA1580-008-AR2
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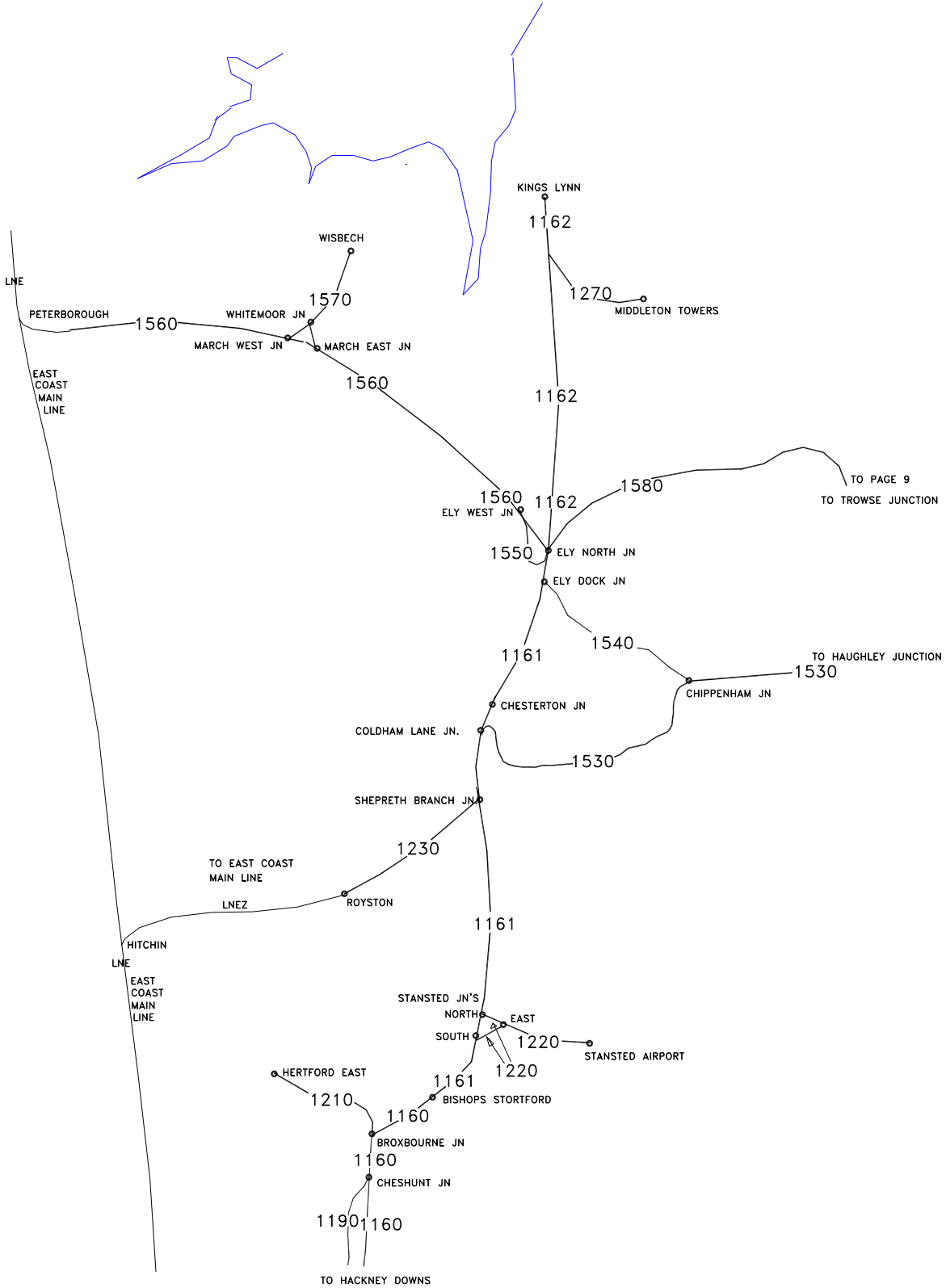
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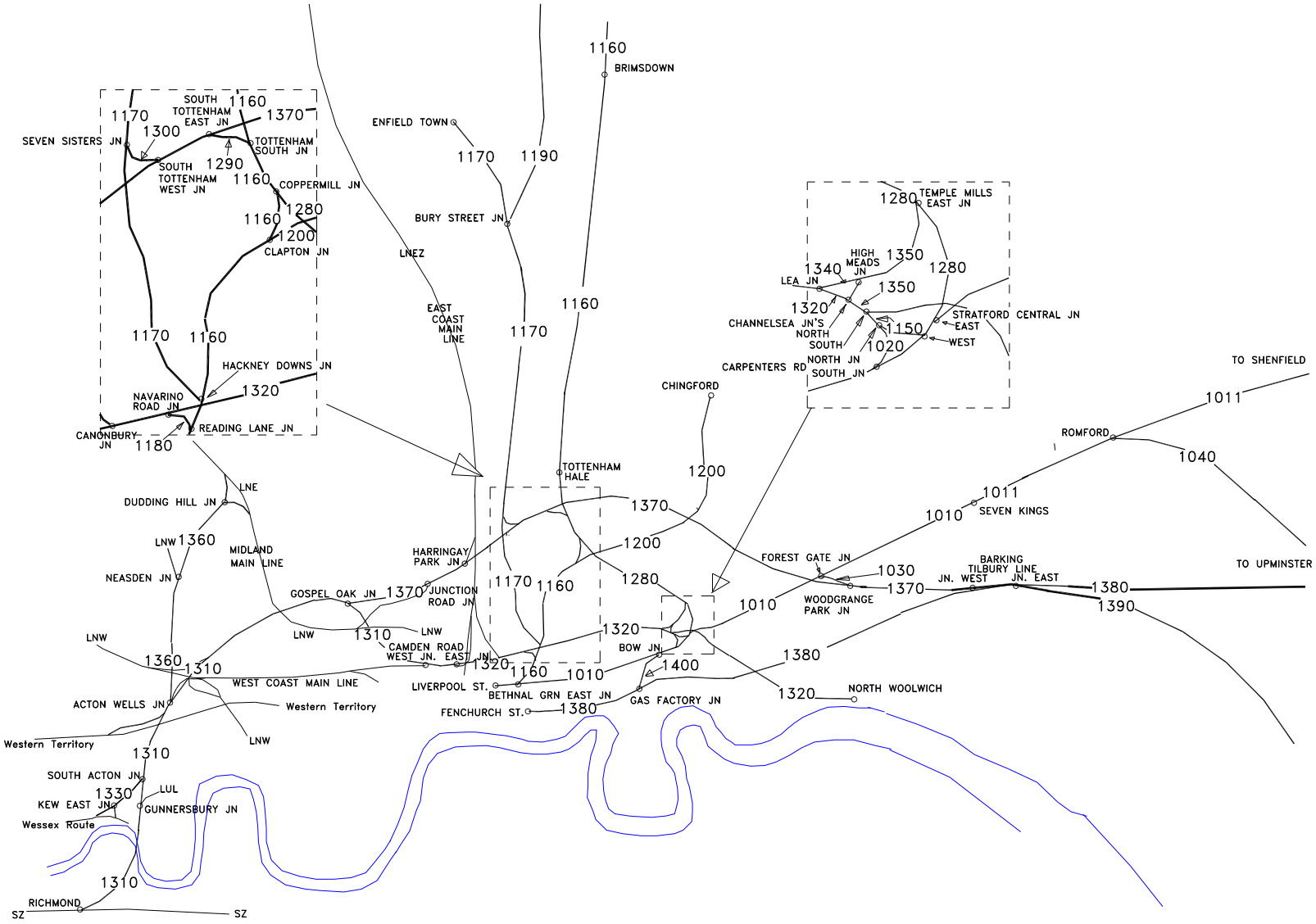
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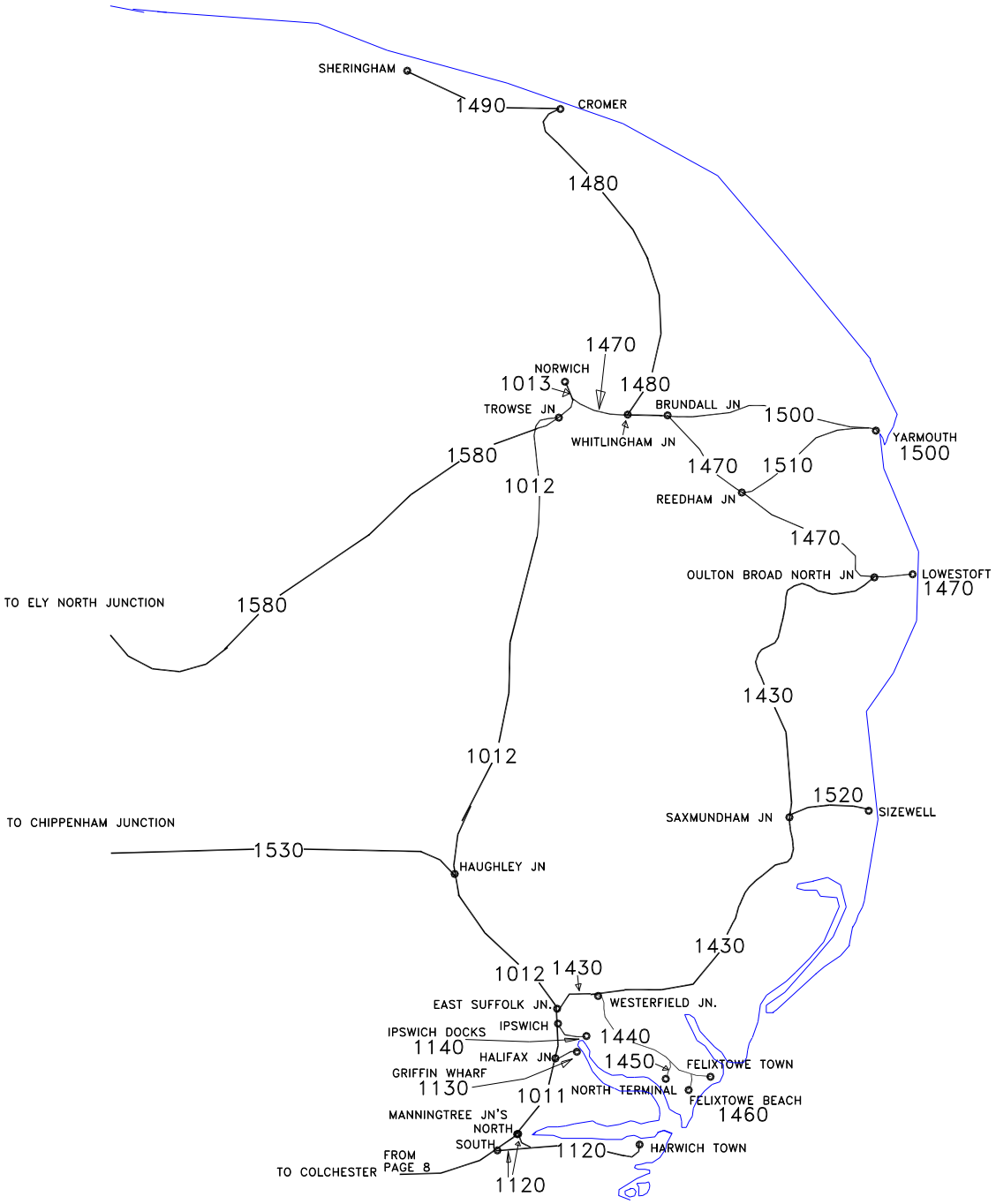
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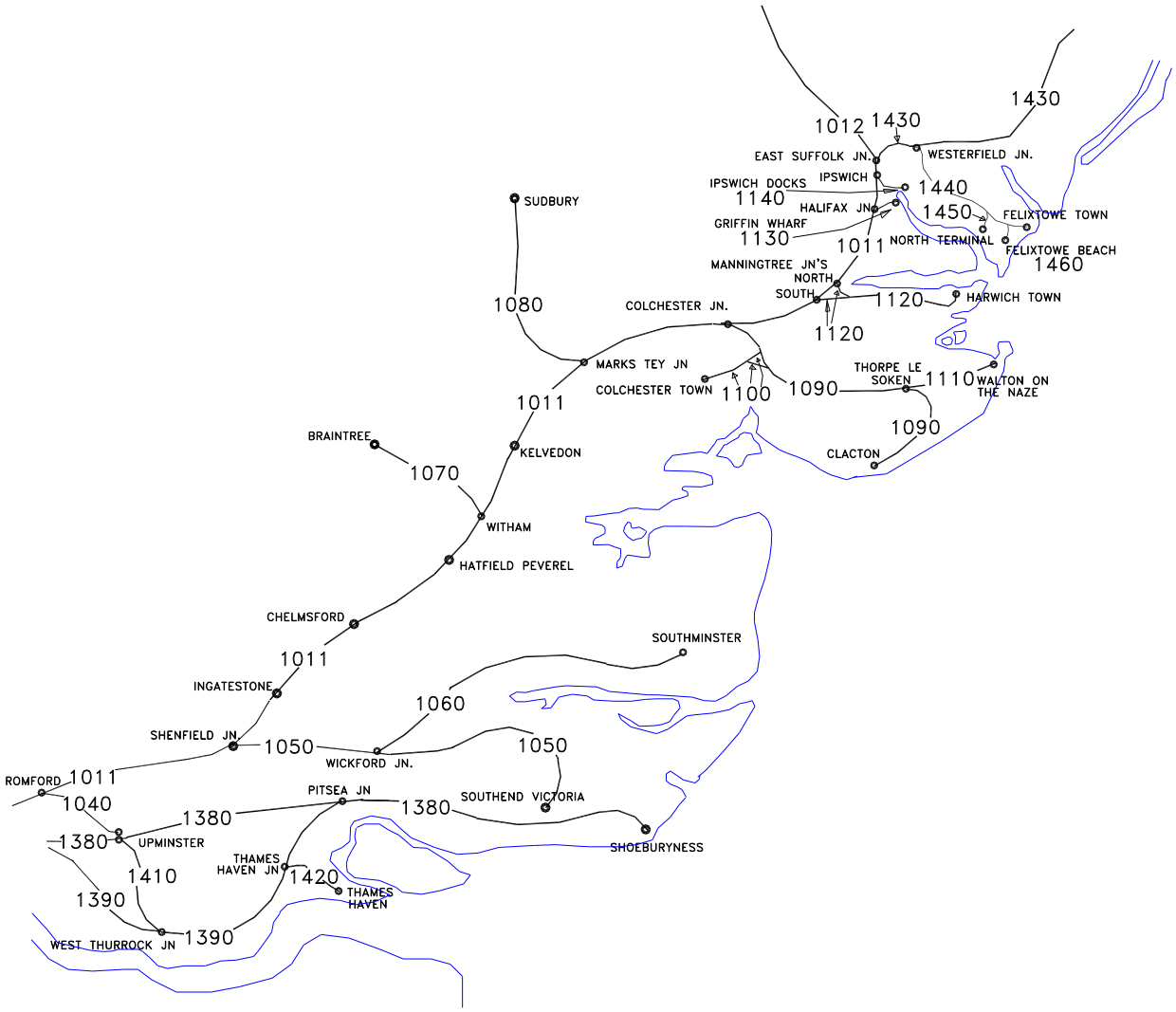
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COLDHAM LANE JN.
1530
SHEPRETH BRANCH JN
1230
TO EAST COAST
MAIN LINE
LNEZ
ROYSTON
1161
HITCHIN
LNE
EAST
COAST
MAIN
LINE
STANSTED JN'S
NORTH
EAST
SOUTH
1220
STANSTED AIRPORT
1220
HERTFORD EAST
1161
1210
BISHOPS STORTFORD
1160
BROXBOURNE JN
1160
CHESHUNT JN
1190
1160
TO HACKNEY DOWNS


SEVEN SISTERS JN
SOUTH TOTTENHAM EAST JN
TOTTENHAM SOUTH JN
SOUTH TOTTENHAM WEST JN
COPPERMILL JN
CLAPTON JN
HACKNEY DOWNS JN
NAVARINO ROAD JN
READING LANE JN
CANONBURY JN
ENFIELD TOWN
BRIMSDOWN
BURY STREET JN
LNEZ
EAST COAST MAIN LINE
TOTTENHAM HALE
TEMPLE MILLS EAST JN
HIGH MEADS JN
LEA JN
CHANNELSEA JN'S
NORTH
SOUTH
STRATFORD CENTRAL JN
EAST
WEST
CARPENTERS RD
NORTH JN
SOUTH JN
CHINGFORD
TO SHENFIELD
ROMFORD
SEVEN KINGS
FOREST GATE JN
WOODGRANGE PARK JN
BARKING
TILBURY LINE
JN. WEST
JN. EAST
TO UPMINSTER
DUDDING HILL JN
LNE
LNW
MIDLAND MAIN LINE
NEASDEN JN
HARRINGAY PARK JN
GOSPEL OAK JN
JUNCTION ROAD JN
CAMDEN ROAD
WEST JN. EAST JN.
BOW JN.
LIVERPOOL ST.
BETHNAL GRN EAST JN
FENCHURCH ST.
GAS FACTORY JN
NORTH WOOLWICH
WEST COAST MAIN LINE
ACTON WELLS JN
Western Territory
SOUTH ACTON JN
KEW EAST JN
LUL
GUNNERSBURY JN
Wessex Route
RICHMOND
SZ


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CROMER
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NORWICH
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1480
TROWSE JN
BRUNDALL JN
1500
WHITLINGHAM JN
YARMOUTH
1500
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1510
1012
REEDHAM JN
1470
OULTON BROAD NORTH JN
LOWESTOFT
1470
TO ELY NORTH JUNCTION
1580
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SAXMUNDHAM JN
SIZEWELL
TO CHIPPENHAM JUNCTION
1530
HAUGHLEY JN
1430
1012
1430
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WESTERFIELD JN.
IPSWICH DOCKS
IPSWICH
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1440
HALIFAX JN
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FELIXTOWE TOWN
GRIFFIN WHARF
1130
1011
NORTH TERMINAL
FELIXTOWE BEACH
1460
MANNINGTREE JN'S
NORTH
SOUTH
1120
HARWICH TOWN
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TO COLCHESTER
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1012
1430
1430
EAST SUFFOLK JN.
WESTERFIELD JN.
IPSWICH DOCKS
IPSWICH
1140
1440
HALIFAX JN
1450
FELIXTOWE TOWN
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MANNINGTREE JN'S
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THORPE LE SOKEN
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WALTON ON THE NAZE
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BRAINTREE
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WITHAM
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CHELMSFORD
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UPMINSTER
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EXCEPTIONALLY POOR RAIL ADHESION

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EA1010 (LIVERPOOL STREET TO SEVEN KINGS)

Location	Line(s) Affected	Mileage (Between)				
Forest Gate Station	Up & Down Elec	04m	71ch	*to*	05m	51Ch

Dated: 29/09/07

EA1011 (SEVEN KINGS TO IPSWICH)

Location	Line(s) Affected	Mileage (Between)				
Brentwood Bank	All	17m	16ch	*to*	19m	56ch
Shenfield	Down	19m	00ch	*to*	20m	20ch
Ingatestone Station	Up	23m	20ch	*to*	24m	00ch
Hatfield Peverel Station	Down	35m	44ch	*to*	35m	74ch
Manningtree	Down	58m	60ch	*to*	59m	40ch
Ipswich Station to Ipswich East Suffolk Jn.	Up & Down	68m	60ch	*to*	69m	40ch

Dated: 30/09/06

EA1012 (IPSWICH TO TROWSE JUNCTION)

Location	Line(s) Affected	Mileage (Between)				
Swainsthorpe to Lakenham	Up	110m	40ch	*to*	113m	60ch

Dated: 30/09/06

EA1040 (ROMFORD TO UPMINSTER)

Location	Line(s) Affected	Mileage (Between)				
Complete Branch	Single	0m	00ch	*to*	3m	30ch

Dated: 05/08/06

EA1050 (SHENFIELD JN TO SOUTHEND VICTORIA)

Location	Line(s) Affected	Mileage (Between)				
Mountnessing	Up & Avoiding Line	21m	00ch	*to*	22m	00ch
Billericay	Up & Down	23m	78ch	*to*	24m	40ch
Wickford	Down	28m	00ch	*to*	29m	52ch
Wickford Station	Up & Down	28m	52ch	*to*	29m	52ch
Rayleigh	Up & Down	32m	59ch	*to*	33m	39ch
Hockley	Up & Down	35m	00ch	*to*	37m	00ch
Rochford	Up & Down	38m	24ch	*to*	39m	04ch
Prittlewell	Up & Down	40m	37ch	*to*	41m	17ch

Dated: 29/09/07

EA1060 (WICKFORD JN TO SOUTHMINSTER)

Location	Line(s) Affected	Mileage (Between)				
Battles Bridge Station	Single	31m	00ch	*to*	32m	00ch
Woodham Ferrers	Single	33m	40ch	*to*	34m	40ch
Fambridge	Single	36m	65ch	*to*	37m	65ch
Althorne	Single	39m	65ch	*to*	40m	65ch
Burnham On Crouch	Single	42m	65ch	*to*	43m	65ch
Southminster	Single	44m	40ch	*to*	45m	40ch

Dated: 29/09/07

EA1070 (WITHAM JN TO BRAINTREE)

Location	Line(s) Affected	Mileage (Between)				
Braintree	Single	18m	30ch	***to***	17m	72ch

Dated: 05/08/06

EA1080 (MARKS TEY JN TO SUDBURY)

Location	Line(s) Affected	Mileage (Between)				
Approaches to all stations	Single	46m	63ch	***to***	58m	36ch

Dated: 05/08/06

EA1090 (COLCHESTER JN TO CLACTON)

Location	Line(s) Affected	Mileage (Between)				
Hythe to Wivenhoe	Down	53m	38ch	***to***	56m	20ch

Dated: 29/09/07

EA1120 (MANNINGTREE (NORTH & SOUTH JNS) TO HARWICH TOWN)

Location	Line(s) Affected	Mileage (Between)				
Manningtree East Jn. to Mistley	Up & Down	59m	67ch	***to***	61m	60ch
Harwich International to Wrabness	Up	65m	00ch	***to***	68m	00ch

Dated: 05/08/06

EA1160 (BETHNAL GREEN EAST JN TO BISHOPS STORTFORD)

Location	Line(s) Affected	Mileage (Between)				
Clapton	Up & Down	03m	66ch	***to***	04m	24ch
Roydon	Up & Down	19m	40ch	***to***	20m	20ch
Sawbridgeworth	Up & Down	26m	25ch	***to***	27m	30ch

Dated: 30/09/06

EA1161 (BISHOPS STORTFORD TO ELY NORTH JN)

Location	Line(s) Affected	Mileage (Between)				
Elsenham Station	Up & Down	35m	25ch	*to*	35m	65ch
Audley End	Up & Down	41m	25ch	*to*	42m	70ch

Dated: 29/09/07

EA1170 (HACKNEY DOWNS NORTH JN TO ENFIELD TOWN)

Location	Line(s) Affected	Mileage (Between)				
Hackney Downs – Bruce Grove	Up & Down	03m	07ch	*to*	06m	60ch
Lower Edmonton – White Hart Lane	Up & Down	06m	70ch	*to*	08m	70ch
Edmonton Green - Enfield	Up & Down	08m	40ch	*to*	10m	33ch

Dated: 30/09/06

EA1190 (BURY STREET JN TO CHESHUNT JN)

Location	Line(s) Affected	Mileage (Between)				
Southbury	Up & Down	10m	12ch	*to*	10m	62ch
Turkey Street	Up & Down	11m	65ch	*to*	12m	45ch
Theobolds Grove	Up & Down	13m	20ch	*to*	14m	15ch

Dated: 30/09/06

EA1200 (CLAPTON JN TO CHINGFORD)

Location	Line(s) Affected	Mileage (Between)				
Clapton Jn - Walthamstow Central	Up & Down	04m	40ch	*to*	06m	45ch
Wood Street Station	Up & Down	06m	62ch	*to*	07m	35ch
Highams Park	Up & Down	08m	10ch	*to*	08m	70ch
Chingford	Up & Down	10m	00ch	*to*	10m	33ch

Dated: 30/09/06

EA1210 (BROXBOURNE JN TO HERTFORD EAST)

Location	Line(s) Affected	Mileage (Between)				
Rye House	Up & Down	18m	37ch	*to*	19m	15ch
St Margarets	Up & Down	20m	00ch	*to*	20m	75ch
Ware	Down	21m	11ch	*to*	22m	32ch
Ware	Up	22m	45ch	*to*	22m	02ch
Hertford East	Up & Down	23m	12ch	*to*	24m	05ch

Dated: 30/09/06

EA1220 (STANSTED SOUTH & NORTH JN S TO STANSTED AIRPORT)

Location	Line(s) Affected	Mileage (Between)				
Stansted Tunnel to Stansted Nth Jn	Single	35 m	15 ch	*to*	00 m	00 ch

Dated: 30/09/06

EA1310 (CAMDEN ROAD WEST JN TO RICHMOND)

Location	Line(s) Affected	Mileage (Between)				
Kentish Town West	Up	00m	20ch	*to*	00m	60ch
Hampstead Heath	Up & Down	01m	20ch	*to*	01m	60ch
West Hampstead	Down	02m	55ch	*to*	03m	00ch
Brondesbury & Brondesbury Park	Up & Down	03m	00ch	*to*	04m	20ch
Acton Central	Up & Down	01m	00ch	*to*	02m	10ch
South Acton	Down	02m	20ch	*to*	02m	48ch
Gunnersbury	Up	10m	18ch	*to*	02m	63ch

Dated: 29/09/07

EA1320 (CAMDEN ROAD WEST JUNCTION TO STRATFORD)

Location	Line(s) Affected	Mileage (Between)				
Highbury & Islington	Up & Down	03m	60ch	*to*	03m	36ch
Canonbury	Up & Down	02m	50ch	*to*	03m	20ch
Dalston Jn	Down No. 2 line	02m	33ch	*to*	02m	38ch
Hackney Central - Homerton	Up & Down	01m	00ch	*to*	02m	07ch

Dated: 29/09//07

EA1370 (GOSPEL OAK TO BARKING TILBURY LINE JN WEST)

Location	Line(s) Affected	Mileage (Between)				
Crouch Hill	Up & Down	3m	28ch	*to*	4m	01Ch
Blackhorse Road	Up & Down	7m	21ch	*to*	7m	40Ch
Walthamstow Queens Rd.	Up & Down	7m	40ch	*to*	8m	40Ch
Leyton Midland Road	Up & Down	9m	22ch	*to*	9m	45Ch

Dated: 30/09/06

EA1380 (FENCHURCH STREET TO SHOEBURYNESS)

Location	Line(s) Affected	Mileage (Between)				
Upminster	Up & Down	14m	00ch	*to*	15m	40ch
West Horndon	Up & Down	18m	50ch	*to*	19m	60ch
Basildon	Up & Down	23m	75ch	*to*	24m	50ch
Laindon	Middle Road	22m	59ch	*to*	22m	79ch
Chalkwell	Up & Down	33m	50ch	*to*	34m	20ch
Westcliff	Up	35m	00ch	*to*	34m	55ch
Southend Central	Up & Down	35m	35ch	*to*	35m	75ch
Southend East	Up & Down	36m	20ch	*to*	37m	00ch
Thorpe Bay	Up & Down	37m	40ch	*to*	38m	20ch
Pitsea	Up & Down	26m	70ch	*to*	26m	35ch
Gardeners LC to Vange LC	Down	30m	60ch	*to*	32m	00ch
Stanford-le-Hope	Up & Down Tilbury	26m	65ch	*to*	27m	35ch
Grays to East Tilbury	Up & Dn Tilbury	19m	20ch	*to*	25m	40ch
Purfleet	Up Tilbury	16m	15ch	*to*	15m	60ch
Ockendon	Down	02m	70ch	*to*	03m	30ch
Chafford 100	Single	05m	20ch	*to*	05m	60ch

Dated: 29/09/07

EA1430 (EAST SUFFOLK JN TO OULTON BROAD NORTH JN)

Location	Line(s) Affected	Mileage (Between)				
Westerfield	Up	75m	65ch	*to*	72m	67ch
Willow Marsh to Darsham	Up	96m	09ch	*to*	95m	35ch
Middleton	Down	94m	27ch	*to*	94m	52ch

Dated: 30/09/06

EA1480 (WHITLINGHAM JN TO CROMER)

Location	Line(s) Affected	Mileage (Between)				
Whitlingham Jn	Up & Down	02m	04ch	*to*	01m	69Ch
Worstead	Up & Down	13m	61ch	*to*	13m	71Ch
Roughton Road	Up & Down	13m	10ch	*to*	11m	54Ch

Dated: 30/09/06

EA1500 (BRUNDALL JN TO YARMOUTH VIA ACLE)

Location	Line(s) Affected	Mileage (Between)				
Brundall Jn. to Lingwood	Single	5m	73ch	*to*	8m	30ch

Dated: 05/08/06

EA1530 (COLDHAM LANE JN TO HAUGHLEY JN)

Location	Line(s) Affected	Mileage (Between)				
Cherryhinton to Fulbourne	Single	02m	67ch	***to***	05m	30ch
Dullingham	Single/Loop	10m	07ch	***to***	11m	20ch
Chippenham Jn.	Up, Down & Single	15m	01ch	***to***	16m	10ch
Kennett	Up	18m	44ch	***to***	19m	50ch
Bury St Edmunds	Up & Down	27m	60ch	***to***	29m	00ch
Thurston	Up & Down	33m	01ch	***to***	32m	21ch
Elmswell	Up & Down	36m	61ch	***to***	37m	41ch
Haughley Jn.	Down	40m	12ch	***to***	40m	42ch

Dated: 29/09/07

EA1540 (CHIPPENHAM JN TO ELY DOCK JN)

Location	Line(s) Affected	Mileage (Between)				
Soham	Single	7m	60ch	***to***	8m	25ch

Dated: 30/09/06

EA1580 (ELY NORTH JN TO TROWSE JN)

Location	Line(s) Affected	Mileage (Between)				
Lakenheath	Down	81m	60ch	***to***	82m	44ch
Thetford	Up & Down	92m	20ch	***to***	94m	00ch
Attleborough	Up	108m	19ch	***to***	108m	49ch
Wymondham	Up	113m	70ch	***to***	114m	20ch

Dated: 30/09/06

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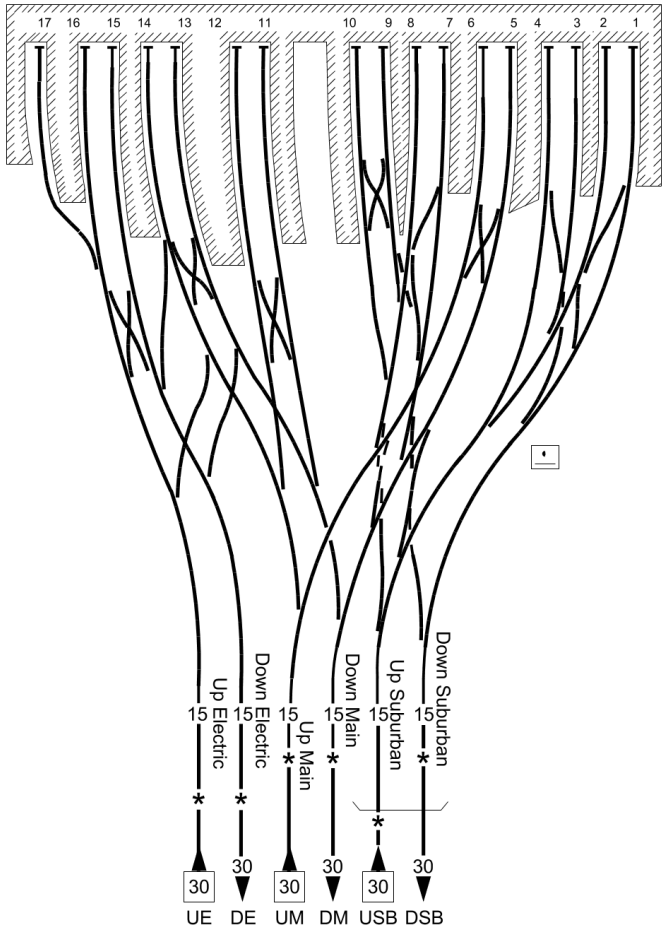
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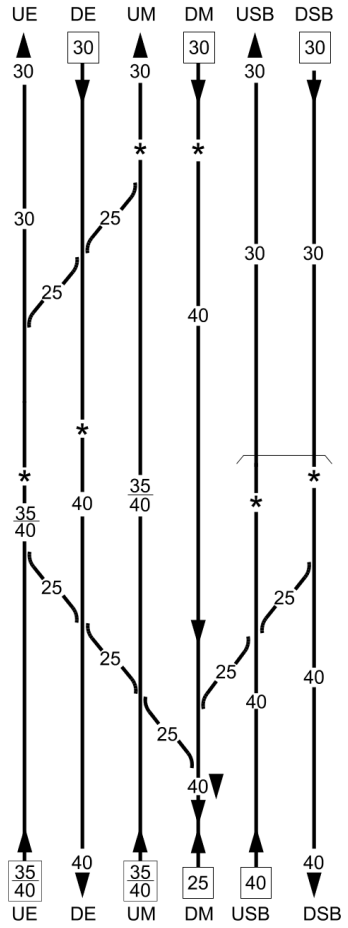
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	001	Liverpool Street to Seven Kings	LTN1 LVS	Anglia	23//07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
LIVERPOOL STREET	0 00		Platform 1 - 242m (264yds) PP Platforms 2 to 8 - 252m (275yds) PP Platform 9 - 288m (314yds) PP Platform 10 - 248m (271yds) PP Platform 11 - 261m (285yds) PP Platform 12 - 246m (269yds) PP Platform 13 - 256m (279yds) PP Platforms 14 & 15 - 246m (269yds) PP Platform 16 & 17 - 205m (224yds) PP
Liverpool St (L) IECC	0 22		Also in the same building as the I.E.C.C. Stratford (North London) (S)
			Maximum permissible speed in station area 15mph as far as 0m 25ch on main and surburban lines and 0m 27ch on electric lines
	0 25 *		AWS not provided between 0m 00ch and 0m 27ch
Bishopsgate Tunnel (573m / 627 yards) (Suburban lines only)	0 27 * 0 30 *		General instruction for broken rails applies at Bishopsgate tunnel.

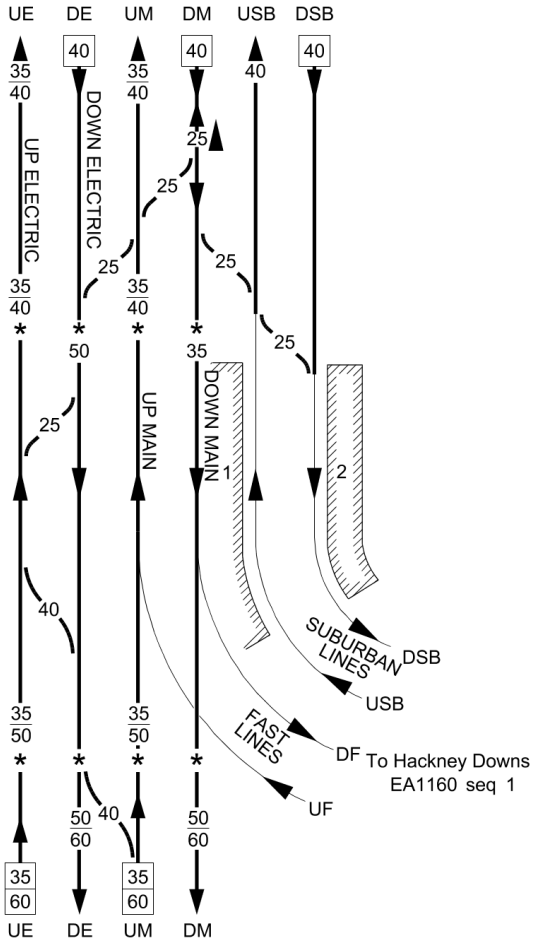
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	002	Liverpool Street to Seven Kings	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Bishopsgate Tunnel (573m / 627yds) (Suburban lines only)	0 40 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford General instruction for broken rails applies at Bishopsgate tunnel
Wheler Street Jn.	0 48		
	0 59 *		
	0 57 *		
	0 61 *		
Bethnal Green West Jn.	0 62		

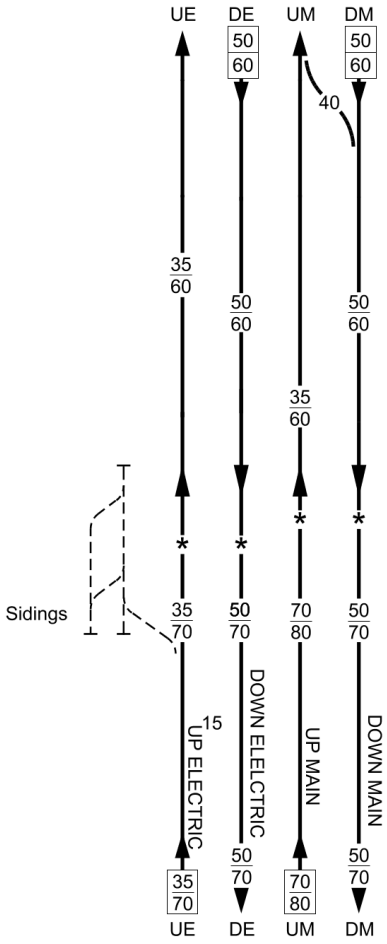
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	003	Liverpool Street to Seven Kings	LTN1 BGK	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
			General instruction applies at the following bridges: Vallance Road (Bridge 21) at 0m 77ch Hemming Street (Bridge 22) at 0m 79ch
	1 05 *		
BETHNAL GREEN	1 10		Up platform - 187m (204yds) Dn platform - 187m (204yds) General instruction applies at the following bridges: Brady Street (Bridge 23) at 1m 10ch Tapp Street (Bridge 25) at 1m 13ch
Bethnal Green East Jn	1 14		Collingwood Street (Bridge 26) at 1m 17ch
	1 18 *		

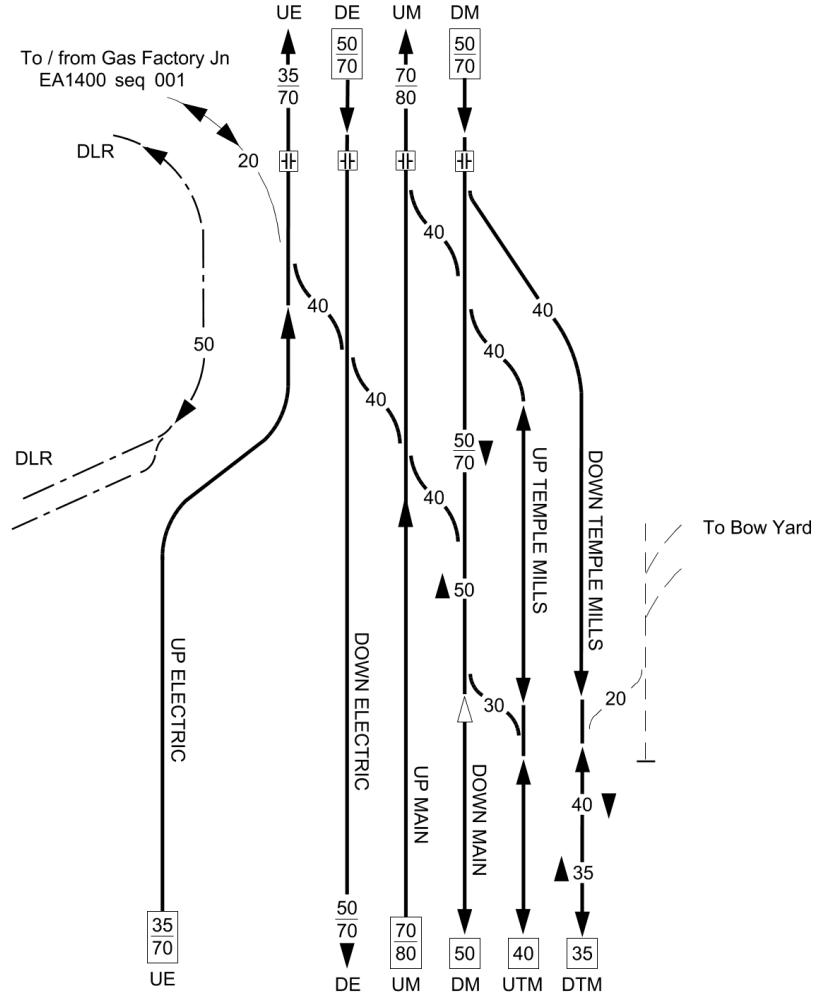
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	004	Liverpool Street to Seven Kings	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Mile End	1 67 * 1 68 * 2 02		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford General instruction applies at the following bridges: Coventry Road (Bridge 27) at 1 m 23ch Malcolm Road (Bridge 30) at 1m 35ch

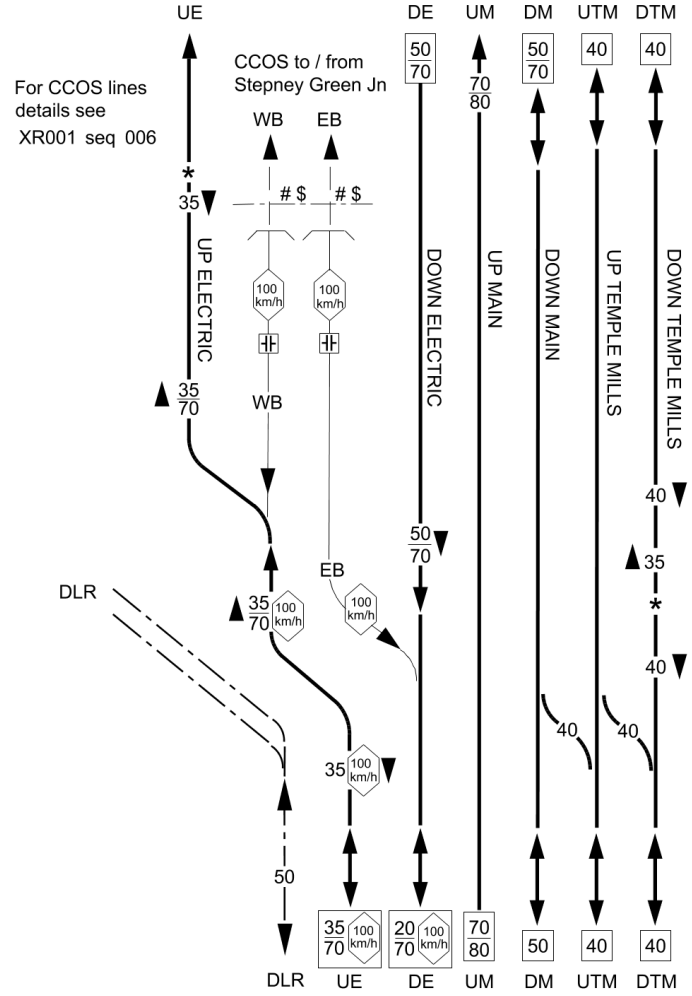
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	005	Liverpool Street to Seven Kings	LTN1 BDM	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
OHNS	2 68		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford General instruction applies at Fairfield Road (Bridge 46) at 2m 68ch UTM - Up Temple Mills DTM - Down Temple Mills DLR - Docklands Light Railway, - Automatic Train Operation (ATO), 650v DC 3th rail electrification, emergency telephone 020 7538 3440. General instruction applies at the following bridges: Pudding Mill Lane (Bridge 49) at 3m 25ch Marshgate Lane (Bridge 51) at 3m 27ch
Bow Jn	2 74		

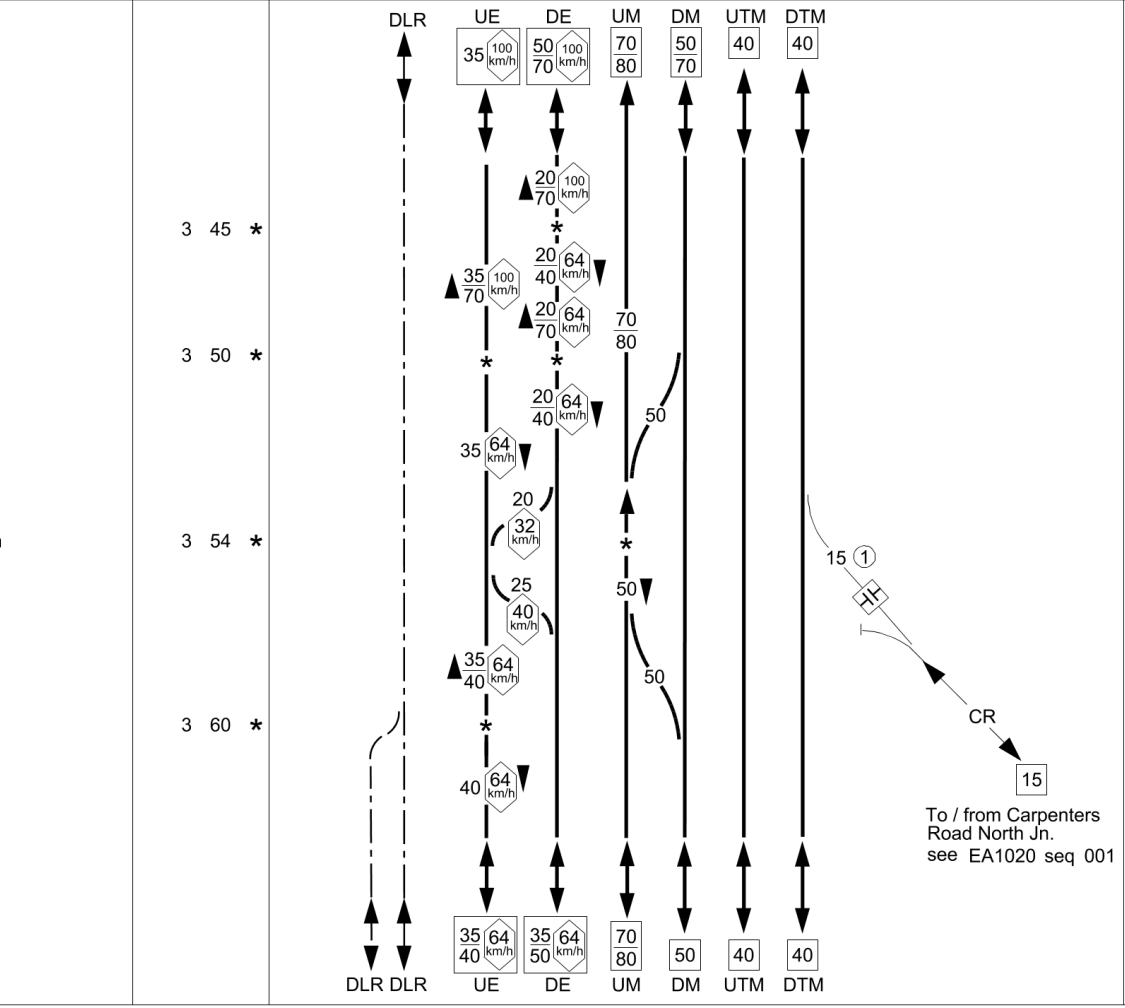
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	006	Liverpool Street to Seven Kings	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Pudding Mill Lane Portal CCOS	3 26 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford CCOS - Crossrail Central Operating Section lines, Operating details CCOS EB & WB lines only : - Communications Based Train Control (CBTC) Rail for London Infrastructure RCC (XR) RA3 AC: ECO RFLI RCC All CCOS lines use COS Rule Book & ELR = XRE Axle Counter area. $ - Railway Group Standard Rule Book boundary: - COS Rule Book / GE/RT8000. EB - CRL Eastbound, WB - CRL Westbound UTM - Up Temple Mills DTM - Down Temple Mills UE - Up Electric DE - Down Electric ⊞ - OHL Neutral Section also indicates boundary between OLE feed / control. Communications Based Train Control (CBTC) UE & DE lines only km/h Speeds in kilometers per hour apply to trains operating in CBTC mode only and may vary from the MPH speed on the same line. [100 KM/h = approximately 64 mph] DLR - Docklands Light Railway, - Automatic Train Operation (ATO), 650v DC 3th rail electrification, emergency telephone 020 7538 3440.
Pudding Mill Lane OHNS	3 27		
	3 30		
	3 40 *		

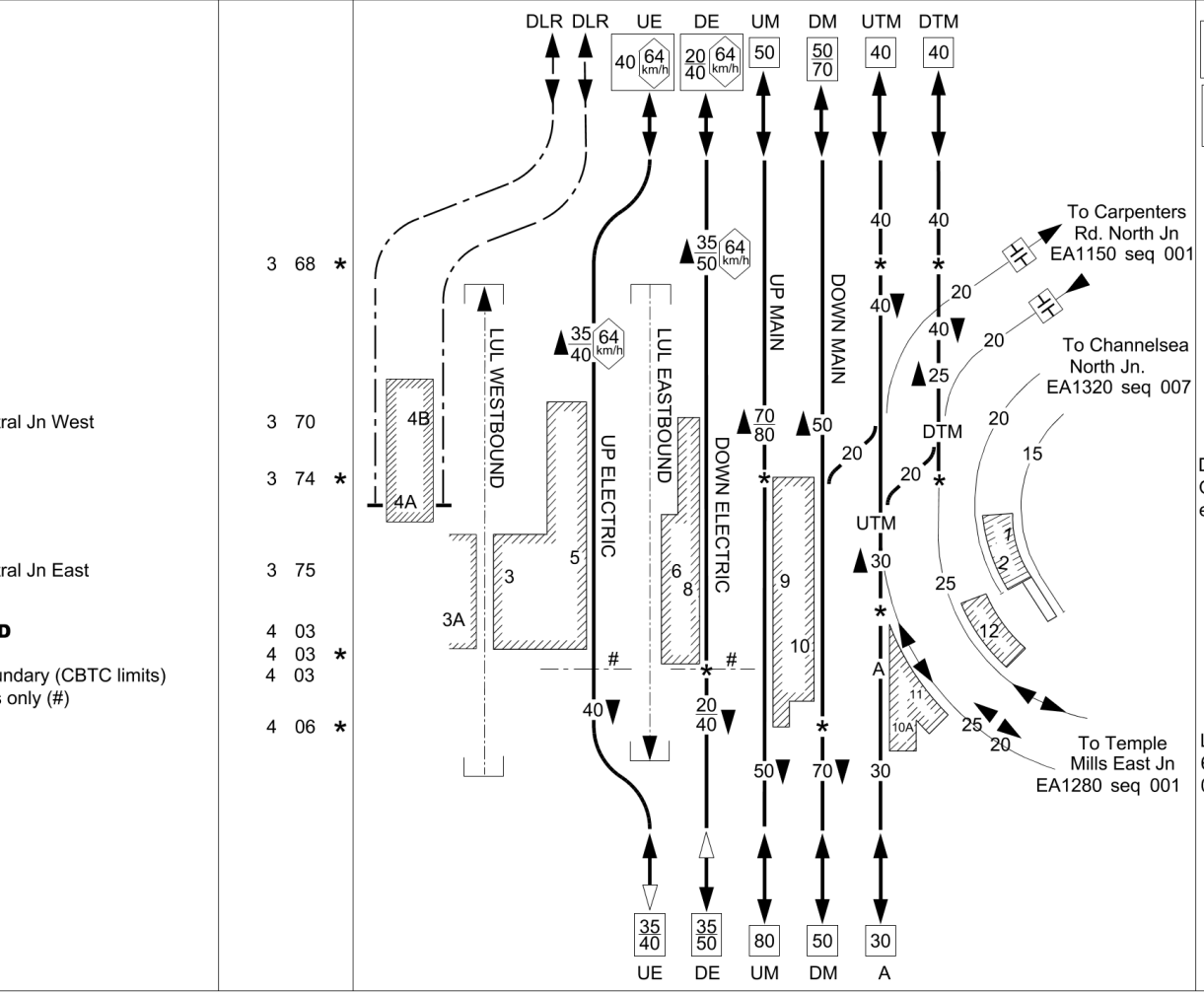
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	007	Liverpool Street to Seven Kings	LTN1 CNS	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Carpenters Rd. South Jn	3 45 * 3 50 * 3 54 * 3 60 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford Communications Based Train Control (CBTC) UE & DE lines only km/h Speeds in kilometers per hour apply to trains operating in CBTC mode only and may vary from the MPH speed on the same line. [100 KM/h = approximately 64 mph] [64 KM/h = approximately 40 mph] UTM - Up Temple Mills DTM - Down Temple Mills UE - Up Electric DE - Down Electric General instruction applies at the following bridges: Warton Road (Bridge 56) at 3m 46ch Carpenters Road (Bridge 57) at 3m 55ch ① Coaching stock (including Multiple Units) must not exceed 10mph CR - Carpenters Road Curve DLR - Docklands Light Railway, - Automatic Train Operation (ATO), 650v DC 3th rail electrification, emergency telephone 020 7538 3440.

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	008	Liverpool Street to Seven Kings	LTN1 CST SDS	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Stratford Central Jn West	3 70		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford Communications Based Train Control (CBTC) UE & DE lines only to Straford Station platforms #
	3 68 *		
	3 74 *		
Stratford Central Jn East	3 75		
STRATFORD	4 03		
	4 03 *		
Signalling Boundary (CBTC limits) UE & DE lines only (#)	4 03		
	4 06 *		

Speeds in kilometers per hour apply to trains operating in CBTC mode only and may vary from the MPH speed on the same line (no trackside signs provided).
[64 KM/h = approximately 40 mph]

UTM - Up Temple Mills
DTM - Down Temple Mills
UE - Up Electric
DE - Down Electric

DLR - Docklands Light Railway, - Automatic Train Operation (ATO), 650v DC 3th rail electrification, emergency telephone 020 7538 3440.

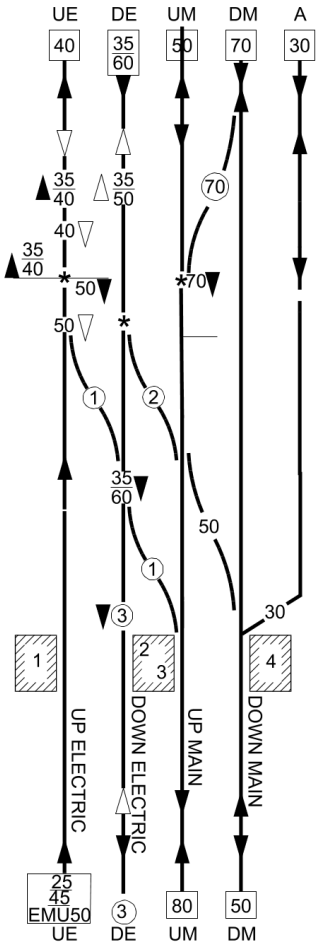
Platform 5 - 253m (271yds) PP-C
Platform 8 - 252m (271yds) PP-C
Platform 9 - 255m (276yds)
Platform 10 - 255m (276yds)
Platform 10A - 215m (233yds)

A - Avoiding line

LUL - London Underground Lines - Central Line, 650v DC 4th rail electrification, emergency telephone 0203 0540020.

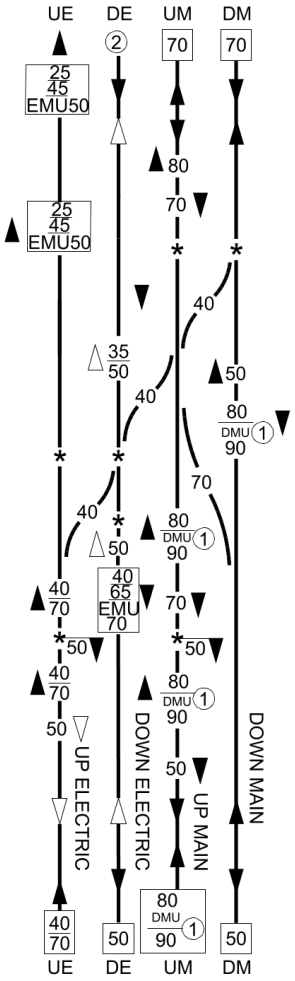
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	009	Liverpool Street to Seven Kings	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
MARYLAND	4 12 * 4 21 * 4 39		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford A - Avoiding line 557m (609yards) ① - These crossover speeds are: 30/50 Up direction & 50 Down direction ② - These crossover speeds are: 50 Up direction & 40 Down direction ③ - The following speeds apply to Down direction movements on the DE 35/60 EMU70 Platform 1 - 168m (182yds) Platform 2 - 169m (183yds) Platform 3 - 169m (183yds) Platform 4 - 168m (182yds)

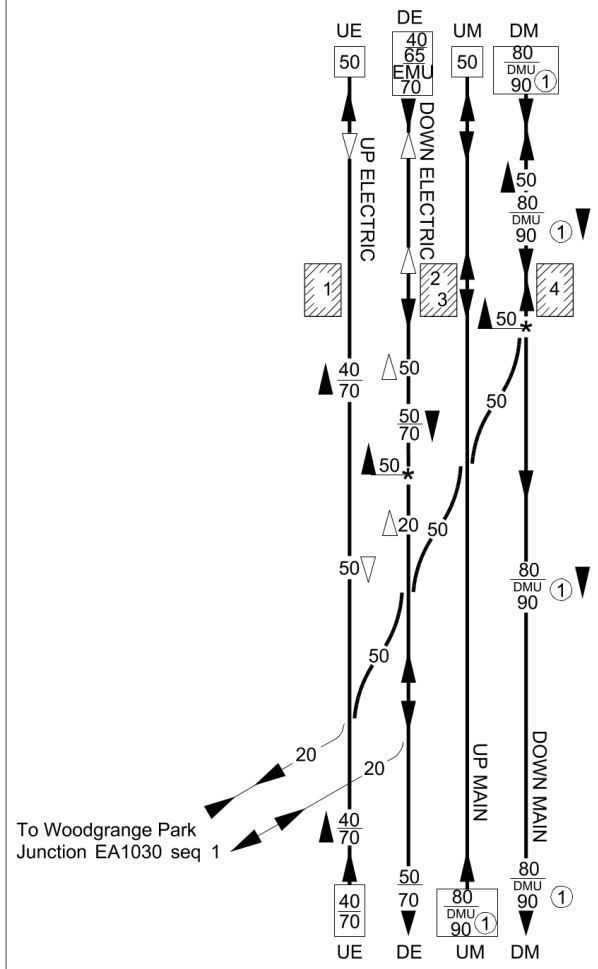
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	010	Liverpool Street to Seven Kings	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Maryland East Crossovers	4 43 * 4 56 * 4 62 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford ① Trains formed of the following classes may travel at the higher speed. Class 321, 322, 345, 360, 720 &745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotive hauling/propelling MK111 coaching stock. ② - The following speeds apply to Down direction movements on the DE 35/60 EMU70

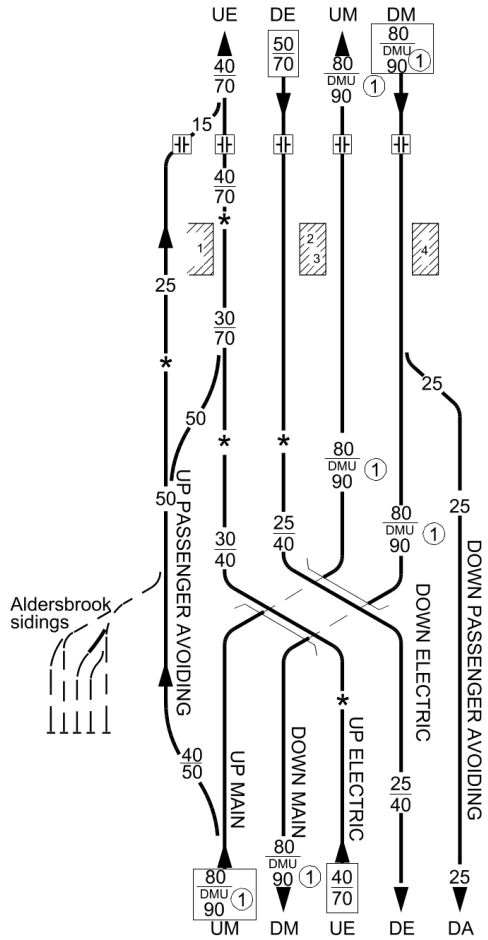
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	011	Liverpool Street to Seven Kings	LTN1 FGW	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
FOREST GATE	5 21 5 37 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford Platform 1 - 173m (187yds) Platform 2 - 178m (192yds) Platform 3 - 175m (189yds) Platform 4 - 198m (214yds) ① Trains formed of the following classes may travel at the higher speed. Class 321, 322, 345, 360, 720 &745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotive hauling/propelling MK111 coaching stock.
	5 48 *		
Forest Gate Jn	5 63		

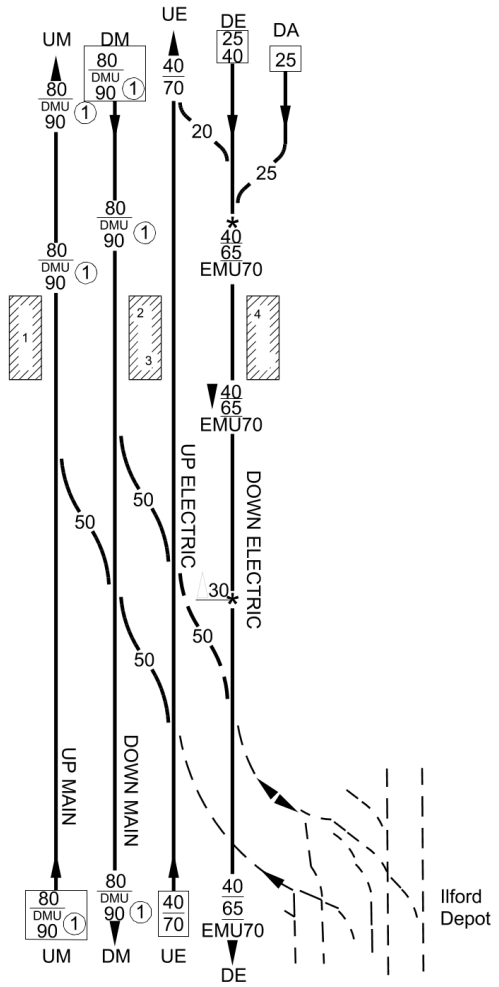
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	012	Liverpool Street to Seven Kings	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
OHNS	5 71		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
MANOR PARK	6 10 * 6 19		Platform 1 - 168m (182yds) Platform 2 - 185m (199yds) Platform 3 - 194m (210yds) Platform 4 - 163m (175yds)
	6 40 *		① Trains formed of the following classes may travel at the higher speed. Class 321, 322, 345, 360, 720 &745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotive hauling/propelling MK111 coaching stock.
	6 67 *		
Aldersbrook sidings			
Ilford Flyover			
	7 09 *		

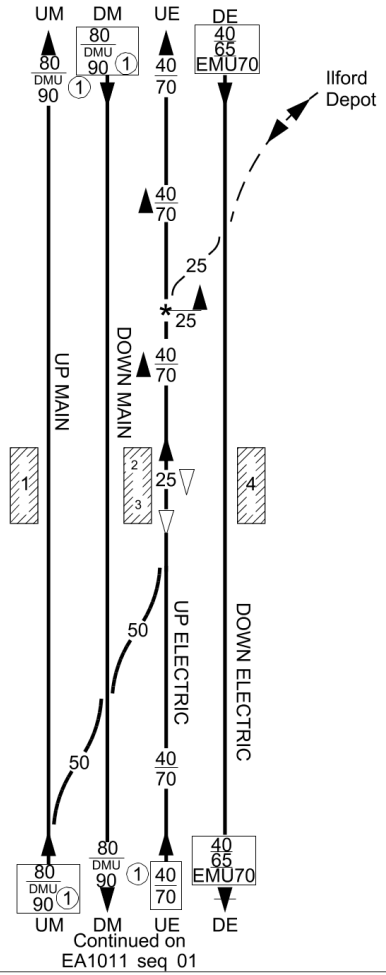
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	013	Liverpool Street to Seven Kings	LTN1 ICS	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
	7 20 *		
ILFORD	7 28		Platform 1 - 197m (212yds) Platform 2 - 191m (206yds) Platform 3 - 182m (197yds) Platform 4 - 180m (194yds)
	7 52 *		① Trains formed of the following classes may travel at the higher speed. Class 321, 322, 345, 360, 720 &745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotive hauling/propelling MK111 coaching stock.
Ilford Depot London End	7 63		

Anglia Route Sectional Appendix Module AR2

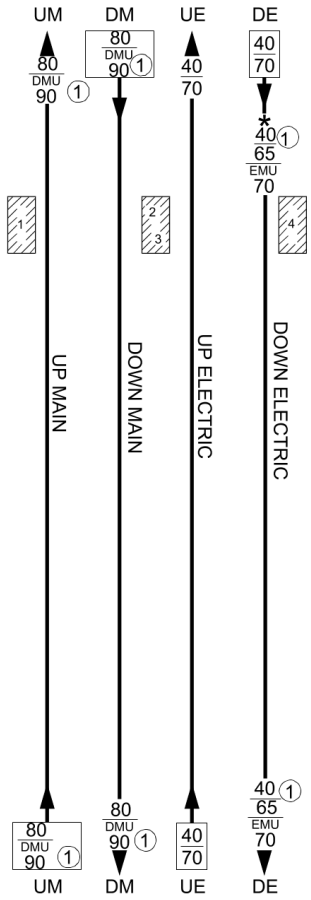
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1010	014	Liverpool Street to Seven Kings	LTN1 ICS	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SEVEN KINGS	8 35 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
	8 45		Platform 1 - 180m (194yds) Platform 2 - 180m (194yds) Platform 3 - 187m (202yds) Platform 4 - 187m (202yds)
			① Trains formed of the following classes may travel at the higher speed. Class 321, 322, 345, 360, 379, 720 &745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotive hauling/propelling MK111 coaching stock.

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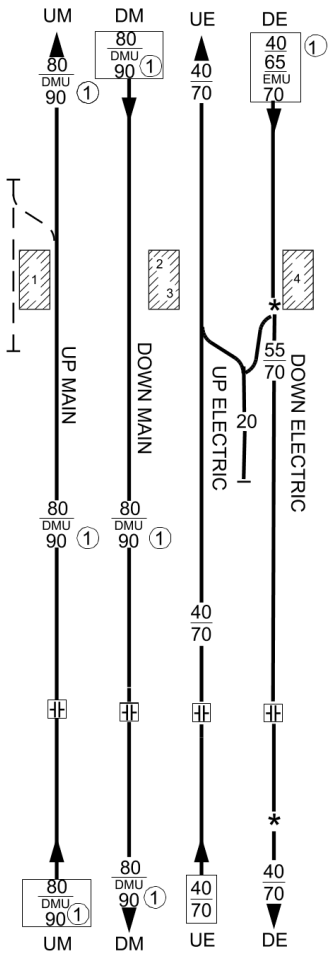
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	001	Seven Kings to Ipswich	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
GOODMAYES	9 16 * 9 23	Continued on EA1010 seq 013 	GSM-R TCB Liverpool St IECC (L) RA8 Ilford workstation AC: Romford (1) Trains formed of the following classes may travel at the higher EMU/DMU speed: Class 321, 322, 345, 360, 379,720 & 745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotives hauling/propelling MK111 coaching stock. Platform 1 - 185m (200yds) Platform 2 - 184m (198yds) Platform 3 - 184m (198yds) Platform 4 - 184m (198yds)

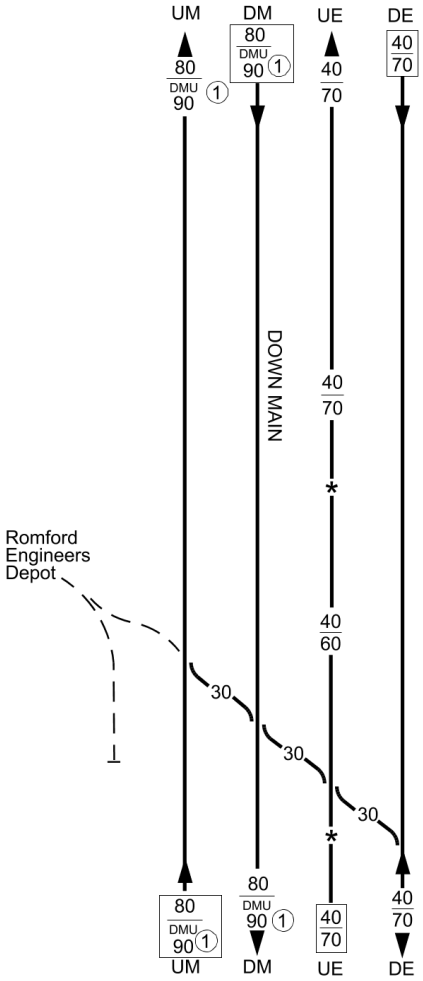
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	002	Seven Kings to Ipswich	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CHADWELL HEATH	9 79 10 08 * 10 14		GSM-R TCB Liverpool St IECC (L) RA8 Ilford workstation AC: Romford Platforms 1 to 4 - 184m (199yds) Chadwell Heath Turn Back LIne 205m (224.19yds) ① Trains formed of the following classes may travel at the higher speed: Class 321, 322, 345, 360, 379, 720 & 745 Electric Multiple Units, and Class 755 Bi-mode Multiple Unit. Class 90 electric locomotives hauling/propelling MK111 coaching stock.
OHNS	11 24		General instruction applies Jutsums Lane (Bridge 95) at 11m 32ch
	11 41 *		

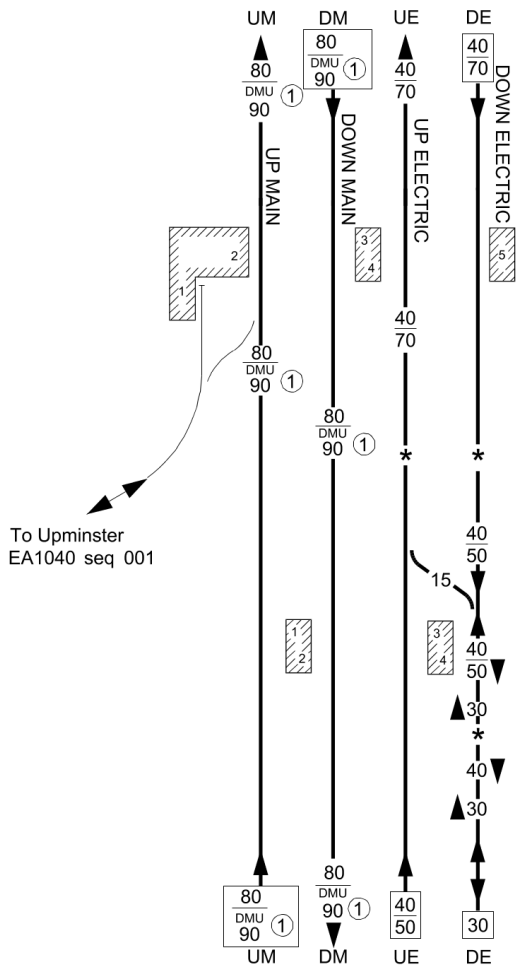
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	003	Seven Kings to Ipswich	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	11 78 *		GSM-R TCB Liverpool St IECC (L) RA8 Ilford workstation AC: Romford ① Trains formed of the following classes may travel at the higher speed: Class 321, 322, 345, 360, 720 & 745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotives hauling/propelling MK111 coaching stock.
	12 15 *		

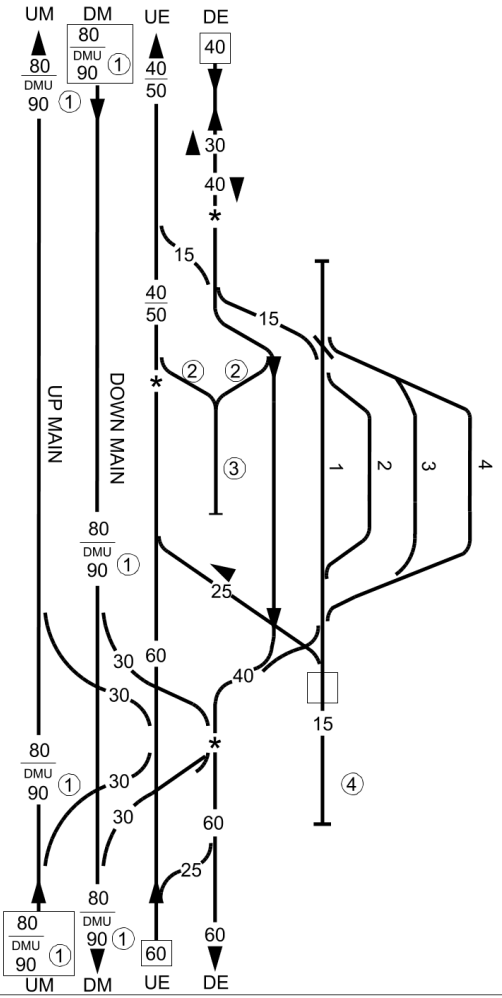
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	004	Seven Kings to Ipswich	LTN1 ROU	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
ROMFORD	12 30		GSM-R TCB Liverpool St IECC (L) RA8 Ilford workstation AC: Romford ① Trains formed of the following classes may travel at the higher speed: Class 321, 322, 345, 360,720 & 745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotive haulin/propelling MK111 coaching stock. Platform 2 - 179m (194yds) Platform 3 - 181m (195yds) Platform 4 - 181m (195yds) Platform 5 - 182m (197yds)
Romford Jn.	12 39		
	13 28 *		
GIDEA PARK	13 41		Platform 1 - 185m (200yds) Platform 2 - 184m (199yds) Platform 3 - 184m (199yds) Platform 4 - 185m (200yds)
	13 54 *		

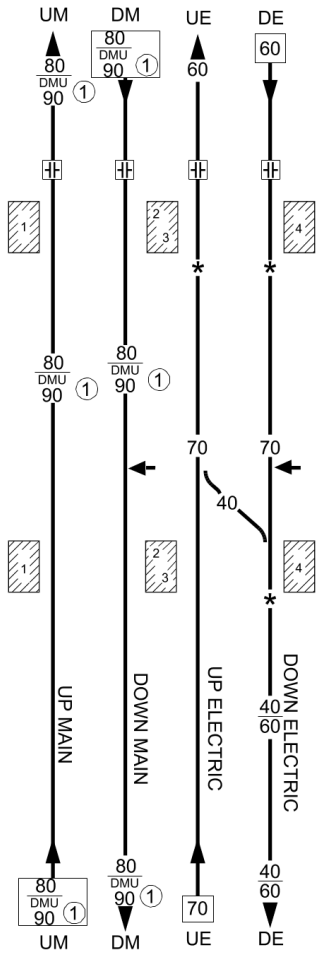
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	005	Seven Kings to Ipswich	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Gidea Park Stabling Lines 1 to 4	13 55 *		GSM-R TCB Liverpool St IECC (L) RA8 Ilford workstation AC: Romford ① Trains formed of the following classes may travel at the higher speed. Class 321, 322, 345, 360, 720 & 745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotives hauling/propelling MK111 coaching stock. ② Speeds over these connections are:- 25 Up direction 25 Down direction ③ Speeds within the Turnback Line are:- 25 Up direction 15 Down direction ④ Speeds within Shunt Spur, Up direction, 15 towards Stabling Lines, Down direction 5. Temporary Carriage Washer situated on the Country End Headshunt (London End).
	13 68 *		
	14 03		
	14 15 *		

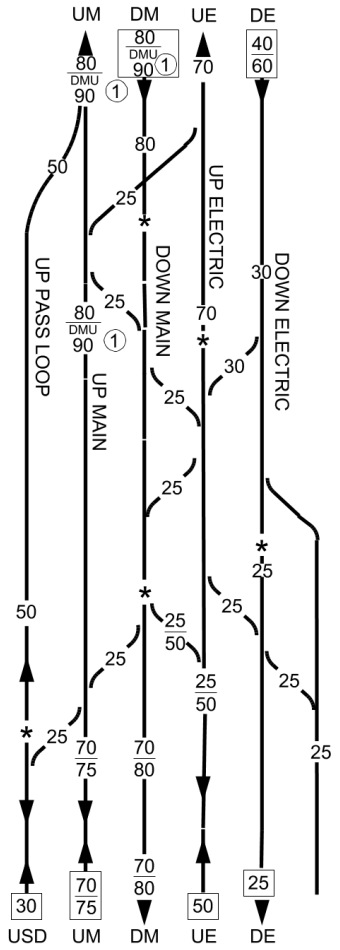
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	006	Seven Kings to Ipswich	LTN1	Anglia	23/072022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
OHNS	14 45		GSM-R TCB Liverpool St IECC (L) RA8 Shenfield workstation AC: Romford ① Trains formed of the following classes may travel at the higher speed: Class 321, 322,345, 360, 720 & 745 Electric Multiple Units, and 755 Bi-mode Multiple Unit. Class 90 electric locomotives hauling/propelling MK111 coaching stock. Platform 1 - 169m (183yds) Platform 2 - 236m (258yds) Platform 3 - 214m (234yds) Platform 4 - 170m (184yds) General instruction applies at the following bridges: Nags Head Lane (Bridge 116) at 16m 62ch Kavanaghs Road (Bridge 119) at 17m 59ch HABD near signal L469 (DM) HABD near signal L467 (DE)
HAROLD WOOD	14 76		
	15 07 *		
BRENTWOOD	18 16		Platform 1 - 187m (202yds) Platform 2 - 188m (203yds) Platform 3 - 186m (201yds) Platform 4 - 184m (199yds)
	18 24 *		

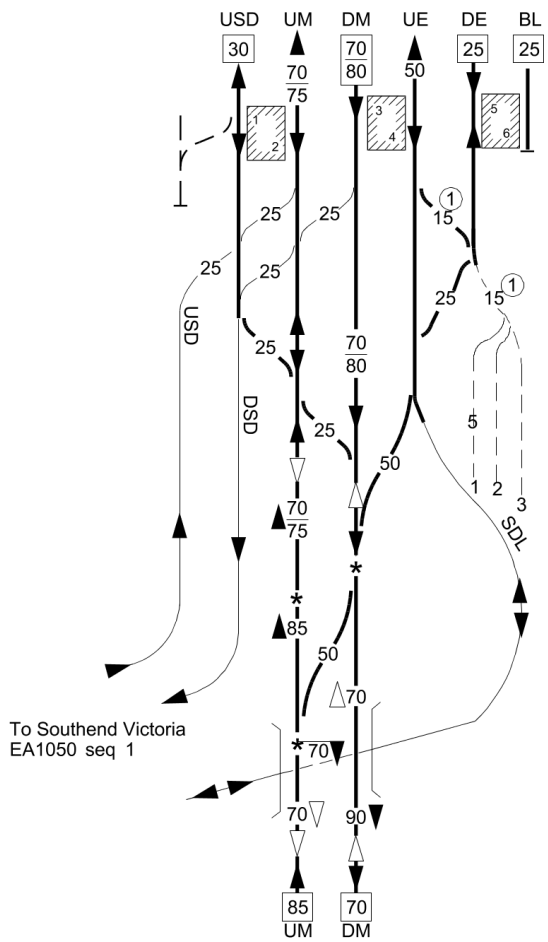
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	007	Seven Kings to Ipswich	LTN1	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	19 45 19 57 * 19 73 * 20 00 * 20 03 * 20 05 *		GSM-R TCB Liverpool St IECC (L) RA8 Shenfield workstation AC: Romford ① Trains formed of the following classes may travel at the higher speed: Class 321, 322, 345, 360, 720 & 745 Electric Multiple Units and 755 Bi-mode Multiple Unit. Class 90 electric locomotives hauling/propelling MK111 coaching stock. UPL 384m (420yds) USD - Up Southend

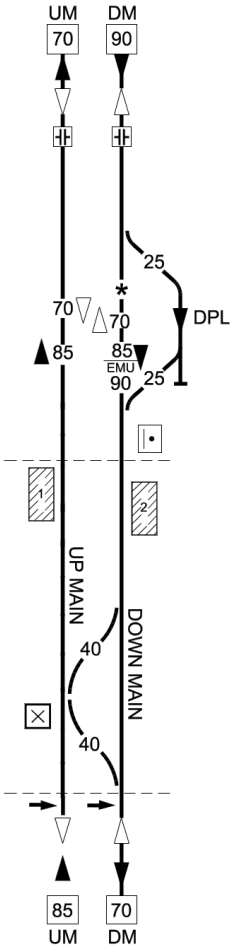
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	008	Seven Kings to Ipswich	LTN1 SSV	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SHENFIELD	20 16		GSM-R TCB Liverpool St IECC (L) RA8 Shenfield workstation AC: Romford Platform 1 - 249m (270yds) Platform 2 - 249m (270yds) Platform 3 - 256m (277yds) Platform 4 - 249m (269yds) Platform 5 -245m (268yds) Platform 6 -209m (229yds)
Shenfield Jn	20 22		(1) - Traffic leaving Sidings 1, 2 & 3 can run at 25mph USD - Up Southend DSD - Down Southend
Shenfield Stabling Sidings	20 30		SDL - Southend loop
	20 40 *		
	20 47 *		
	20 50 *	To Southend Victoria EA1050 seq 1	General instruction applies at Alexander Lane (Bridge 128) at 20m 47ch

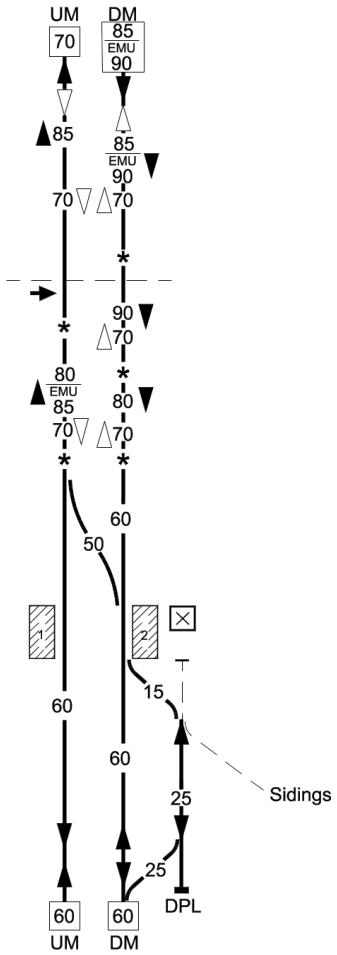
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	009	Seven Kings to Ipswich	LTN1	Anglia	30/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 Shenfield workstation AC: Romford
OHNS	20 71		General instruction applies at the following bridges: Lower Road - also known as Hutton Lane (Bridge 130) at 21m 44ch Burnthouse Lane (Bridge 133) at 22m 58ch
	23 10 *		DPL - 436m (476yds)
Ingatestone LC (MCB) (supervised by Ingatestone Gate Box.)	23 39		Ingatestone gate box not a block post
INGATESTONE	23 50		Up Platform 1 - 248m (268yds) Down Platform 2 - 250m (271yds) Liverpool St IECC (L) Witham workstation
	24 60		FWS (SATWAS) Provided between 24m 41ch & 24m 78ch LOD(P) (Church Lane Crossovers / Shenfield at 24m 60ch
Church Lane LC (CCTV) (supervised by Ingatestone Gate Box.)	24 68		
Ingatestone WILD	24 79		

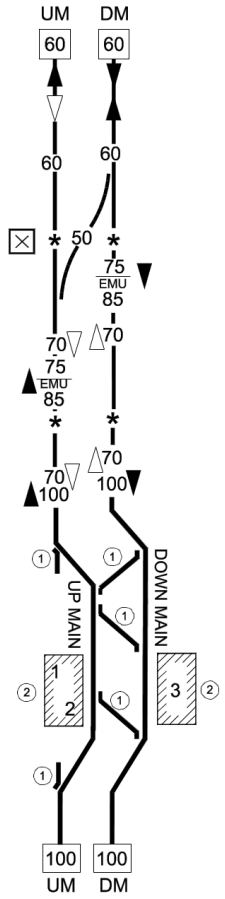
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	010	Seven Kings to Ipswich	LTN1 CDY	Anglia	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 Witham workstation AC: Romford
	25 30 *		
Margaretting (UWC) LC (R/G)	25 39		UM, HABD in rear of signal L726 at 25m 41ch
	26 40 *		Instruction in section 1 applies at Maldon Road (Bridge 143) at 25m 78ch
	28 00 *		
	29 27 *		
			General instruction applies at Duke St. (Bridge 151) at 29m 53ch
CHELMSFORD	29 60		LOD(P) (Chelmsford/Church Lane Crossovers) at 29m 56ch Up Platform - 248m (268yds) Down Platform - 248m (268yds)
			DPL 256m (280yds) PF
	30 20		

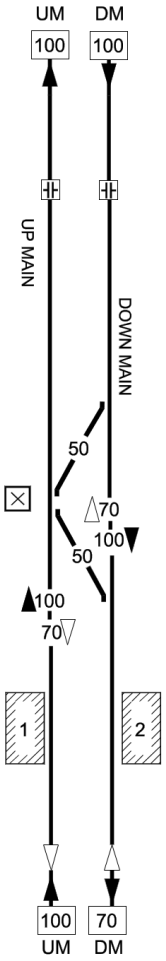
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	011	Seven Kings to Ipswich	LTN1	Anglia	02/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St SDC (L) RA8 Witham workstation AC: Romford UM - Up Main DM - Down Main
Arbour Lane Crossover	30 30 30 32 *		LOD(P) Up line only (Arbour Lane/ Chelmsford) at 30m 30ch
	30 50 *		
Beaulieu South Junction	32 21		① S&C Equipment Clipped & Scotched Out of Use until May 2024 with temporary instruction on Witham Workstation
BEAULIEU PARK	32 30		② Beaulieu Park Station still under construction
Beaulieu North Junction	32 73		

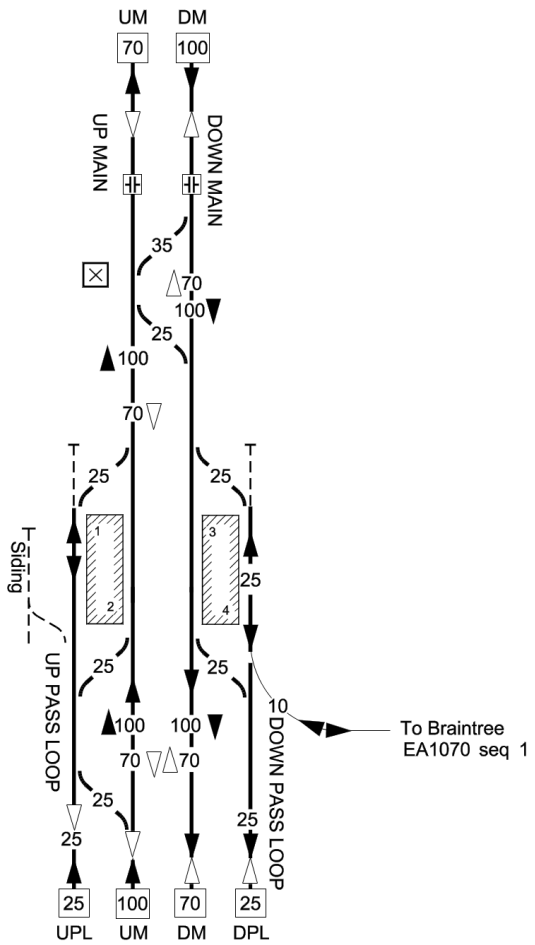
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	012	Seven Kings to Ipswich	LTN1	Anglia	02/01/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St SDC (L) RA8 Witham workstation AC: Romford UM - Up Main DM - Down Main
OHNS	33 06		
Brick House Crossovers	33 24		LOD(P) Up line only (Brick House Crossovers/ Arbour Lane) at 33m 24ch FWS Down and Up Lines 33m 24ch & 34m 23ch 34m 23ch & 35m 01ch
HATFIELD PEVEREL	35 74		Up Platform - 250m (271yds) Down Platofrm - 250m (271yds)

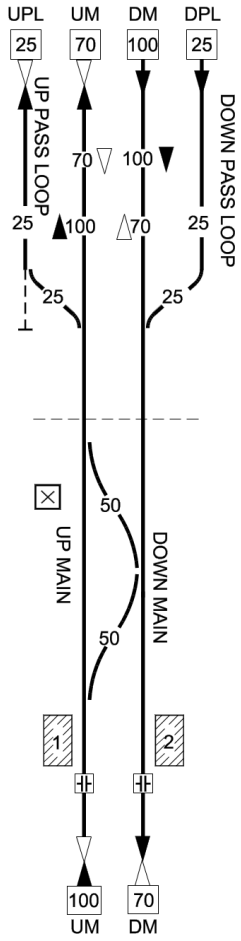
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	013	Seven Kings to Ipswich	LTN1 BRA	Anglia	02/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St SDC (L) RA8 Witham workstation AC: Romford DM - Down Main UM - Up Main DPL - Down Passenger Loop UPL - Up Passenger Loop General instruction applies at Blunts Hall Road (Bridge 174) at 37m 65ch
OHNS	38 12		
	38 34		LOD(P) (Witham/Brick House crossovers) at 38m 30ch
WITHAM	38 47		Platform 1 - 250m (271yds) PP-A Platform 2 - 249m (270yds) Platform 3 - 252m (274yds) Platform 4 - 250m (272yds) PP-A
Witham Jn	38 55		UPL 263m (287yds) DPL 269m (294yds)

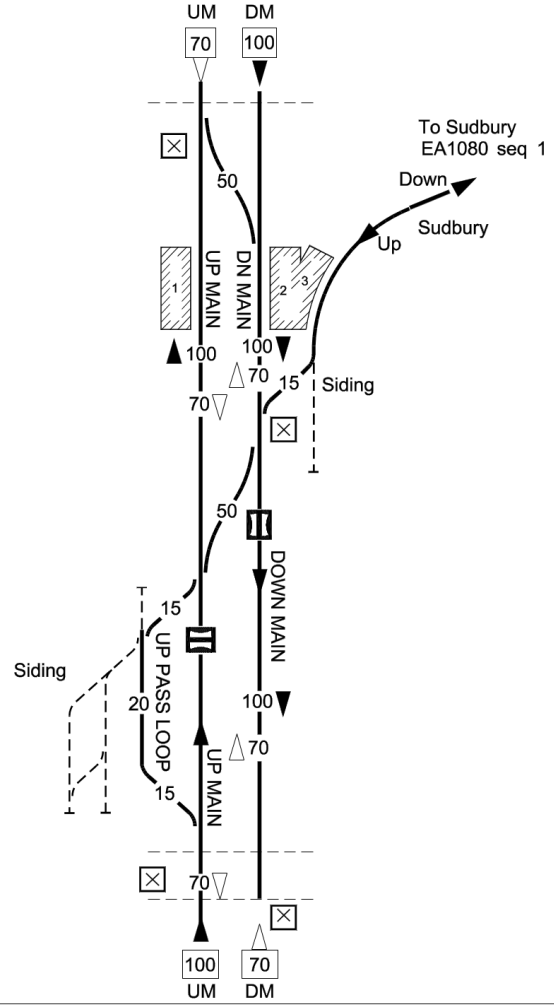
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	014	Seven Kings to Ipswich	LTN1	Anglia	02/01/2024

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Liverpool St SDC (L) RA8 Witham workstation AC: Romford UM - Up Main DM - Down Main UPL - Up Passenger Loop DPL - Down Passenger Loop
				General instruction applies at Oak Road, (Rivenhall) (Bridge 187) at 39m 77ch
Church Street LC (AHBC-X)	41	57		LOD (P) (Kelvedon/Witham) at 41m 73ch
				General instruction applies at the following bridges: Station Road, Kelvedon (Bridge 187) at 42m 22ch Feering Road, (Bridge 189) at 43m 00ch
KELVEDON	42	21		Up Platform - 249m (270yds) Down Platform - 257m (277yds)
OHNS	43	50		

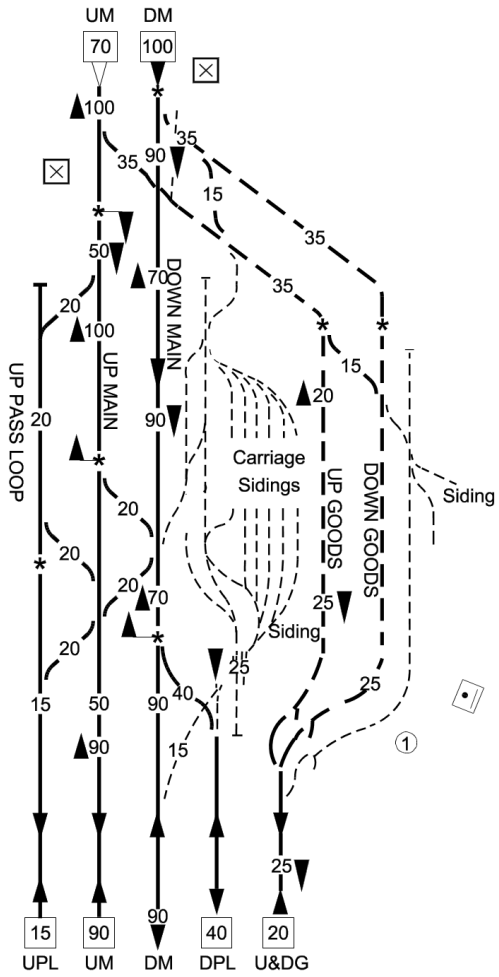
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	015	Seven Kings to Ipswich	LTN1 SUD	Anglia	02/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St SDC (L) RA8 Witham workstation AC: Romford UM - Up Main DM - Down Main
Church 1 LC (FPS)	46 06		LOD (P) (Marks Tey/Kelvedon) at 46m 32ch
MARKS TEY	46 49		Up platform - 177m (191yds) Down platform - 228m (246yds) Sudbury platform - 50m (55yds)
Marks Tey Jn	46 56		LOD(P) Down and Up Mains, Up Goods (Marks Tey/Colchester) at 46m 57ch
MPCO Zone Commencement DM	46 75		MPCO (See General Instructions)
MPCO Zone Commencement DM	47 59		UPL 468m (511yds) Marks Tey Up Passenger Loop PP-A (Class 5 empty coaching stock only), Down direction only LOD(P) Down and Up Mains, Up Goods (Marks Tey/Colchester) at 47m 63ch
Church 2 LC (FPS)	47 43		Colchester SB (CO) Colchester workstation
Chitts Hill LC (CCTV)	49 41		LOD(P) Down and Up Mains, Up Goods (Marks Tey/Colchester) at 49m 42ch

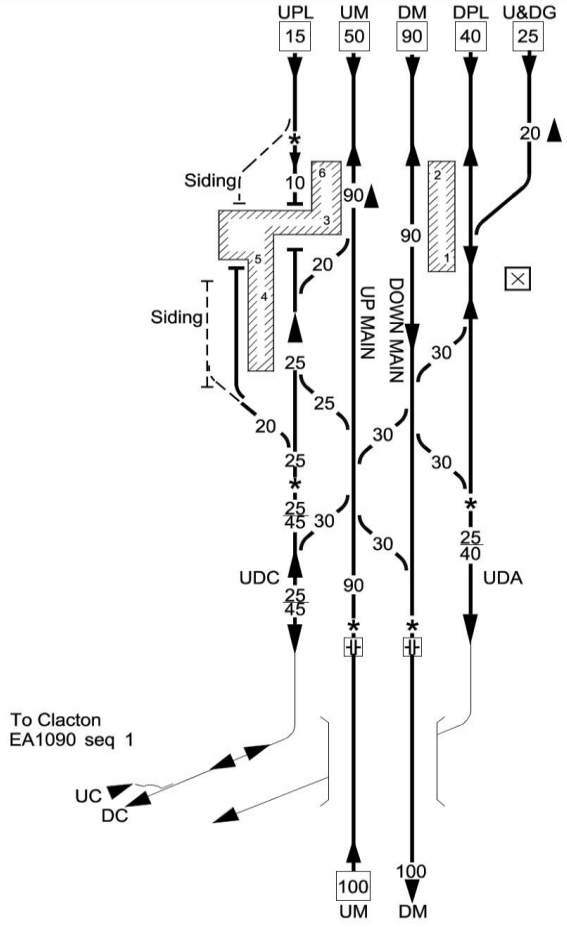
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	016	Seven Kings to Ipswich	LTN1	Anglia	02/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Colchester (CO) SB	50 60 * 50 72 50 78 * 51 00 51 16 * 51 22 * 51 26 * 51 32 * 51 37		GSM-R TCB Colchester SB (CO) RA8 Colchester workstation AC: Romford UM - Up Main DM - Down Main LOD(P) Up and Down Mains, Up Goods (Marks Tey/Colchester) at 50m 40ch LOD(P) Up and Down Mains, Up Goods (Marks Tey/Colchester) at 50m 73ch UPL 384m (420yds) ①CW present on all lines

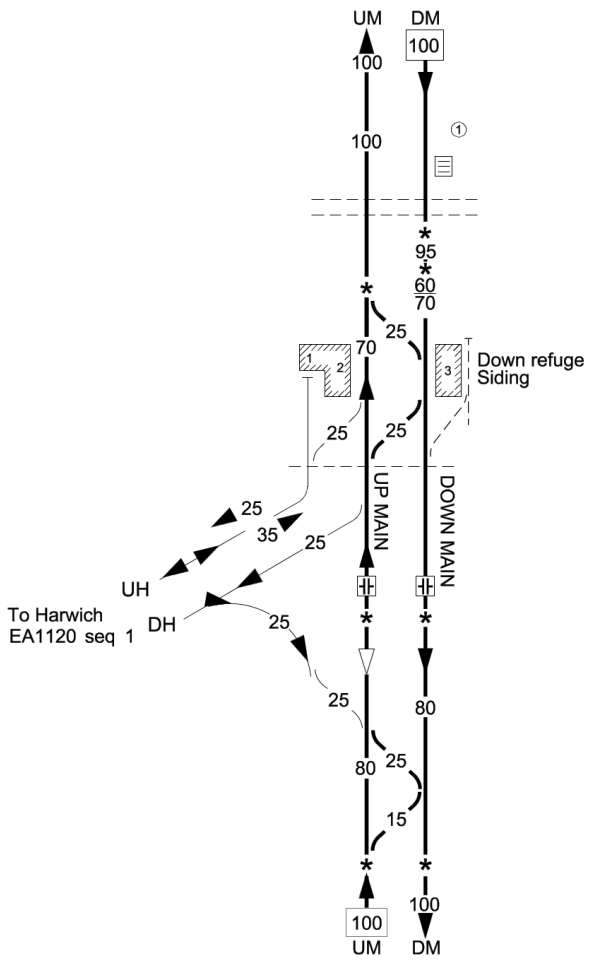
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	017	Seven Kings to Ipswich	LTN1 COC	Anglia	02/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	51 36 *		GSM-R TCB Colchester SB (CO) RA8 Colchester workstation AC: Romford UM - Up Main DM - Down Main UPL - Up Passenger Loop DPL - Down Passenger Loop U&DG - Up and Down Goods Loop Platform 1 - 251m (272yds) PP-A Platform 2 - 260m (281yds) PP-A Platform 3 - 248m (268yds) PP-A Platform 4 - 318m (344yds) PP-A Platform 5 - 220m (238yds) PP Platform 6 - 223m (241yds) PP LOD(P) Up and Down Avoiding line / Down Clacton (Marks Tey/Colchester) at 51m 63ch
COLCHESTER	51 52		
Colchester Jn	51 65		
	51 75 * 51 77 *		UDC - Up and Down Clacton UDA - Up and Down Avoiding
OHNS	52 20 * 52 21		UC - Up Clacton DC - Down Clacton

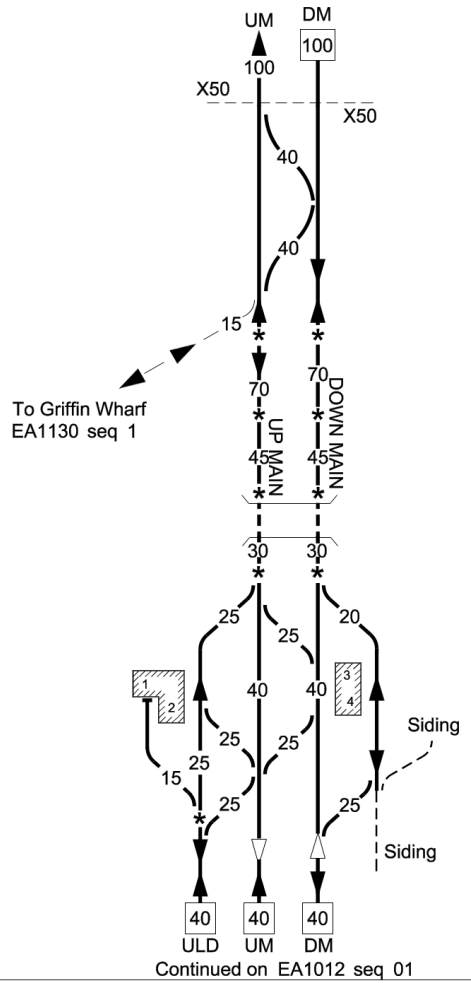
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	018	Seven Kings to Ipswich	LTN1 MAH NTE	Anglia	02/01/2024

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
Ardleigh GSP	56	00			GSM-R
Ardleigh LC (CCTV)	56	04			TCB Colchester SB (CO) RA8 Colchester workstation AC: Romford
Abbotts FP LC	56	17			UM - Up Main DM - Down Main UH - Up Harwich DH - Down Harwich
	57	46	*		① S&C Removed & GSP signed Out of Use
	58	74	*		General instruction applies at Dedham Road (Bridge 223) at 58m 27ch
	59	20	*		
MANNINGTREE	59	35			Platform 1 - 108m (117yds) Platform 2 - 245m (265yds) Platform 3 - 245m (265yds)
Manningtree South Jn. LC (CCTV)	59	46			General instruction applies at Ipswich Road (Bridge 226) at 59m 42ch
OHNS	59	47			
	59	60	*		
Manningtree North Jn	59	69			
	60	30	*		

Anglia Route Sectional Appendix Module AR2

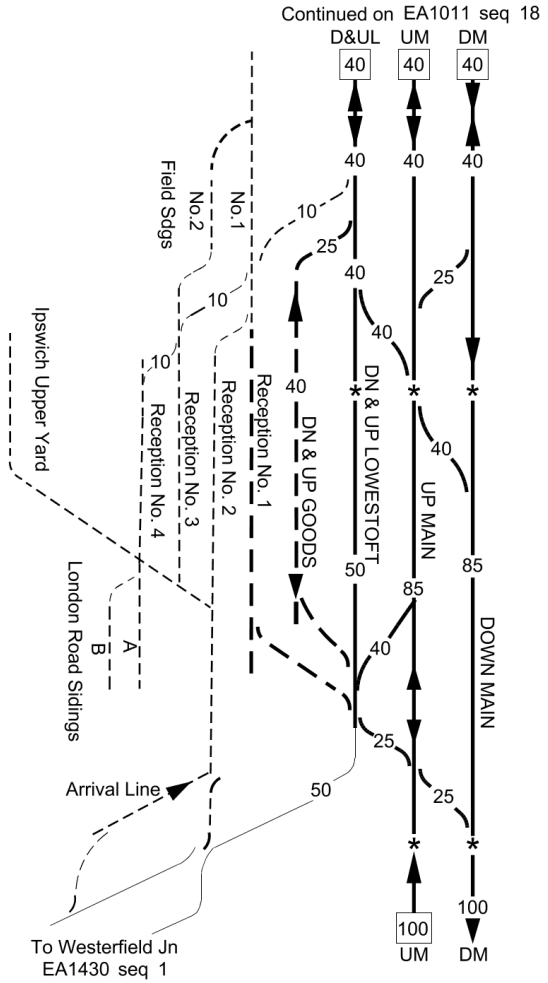
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1011	019	Seven Kings to Ipswich	LTN1 GRW	Anglia	02/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Bentley LC (AHBC-X)	63 07		GSM-R TCB Colchester SB (CO) RA8 Colchester workstation AC: Romford Colchester SB (CO) Ipswich panel UM - Up Main DM - Down Main ULD - Up Lowestoft Down
Halifax Jn	67 67		
	67 74 *		
Ipswich Tunnel (361 yards)	68 17 *		
	68 31 * to 68 47		FWS on both lines through tunnel
	68 48 *		General instruction for broken rails applies at Ipswich tunnel
IPSWICH	68 59		Platform 1 - 95m (103yds) PP Platform 2 - 245m (265yds) PP Platform 3 - 245m (265yds) PP Platform 4 - 245m (265yds) PP
	68 70 *		

Continued on EA1012 seq 01

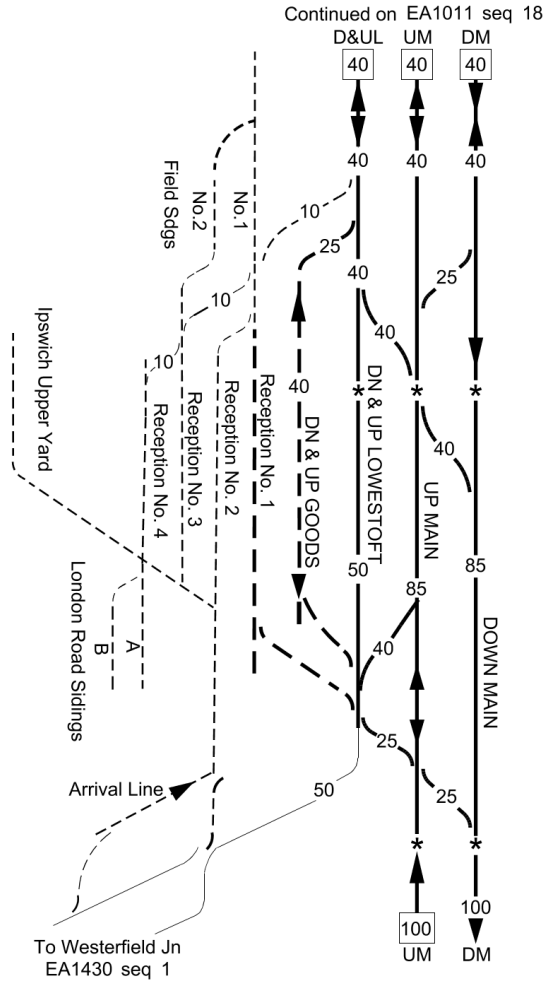
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	001	Ipswich to Trowse Junction	LTN1 ESK	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ipswich Goods Jn	68 72		GSM-R TCB Colchester SB (CO) RA8 Ipswich panel AC: Romford D & UL - Down & Up Lowestoft
Ipswich Upper Yard	69 04 *		
	69 26		
East Suffolk Jn	69 41		
	69 60 *		

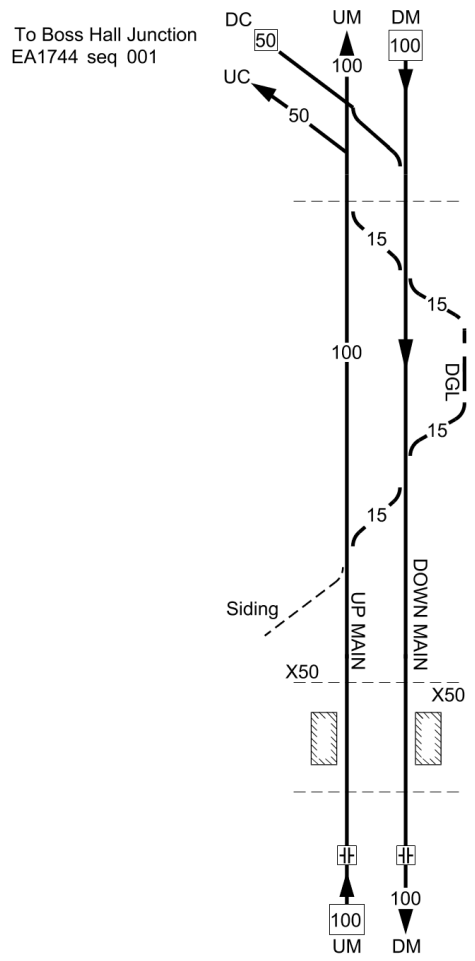
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	001	Ipswich to Trowse Junction	LTN1 ESK	Anglia	23/07/2022

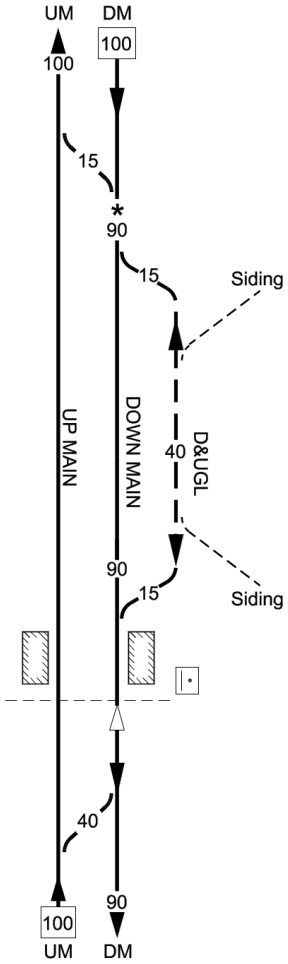
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ipswich Goods Jn	68 72		GSM-R TCB Colchester SB (CO) RA8 Ipswich panel AC: Romford D & UL - Down & Up Lowestoft
Ipswich Upper Yard	69 04 *		
	69 26		
East Suffolk Jn	69 41		
	69 60 *		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	002	Ipswich to Trowse Junction	LTN1 BFC	Anglia	23/07/2022

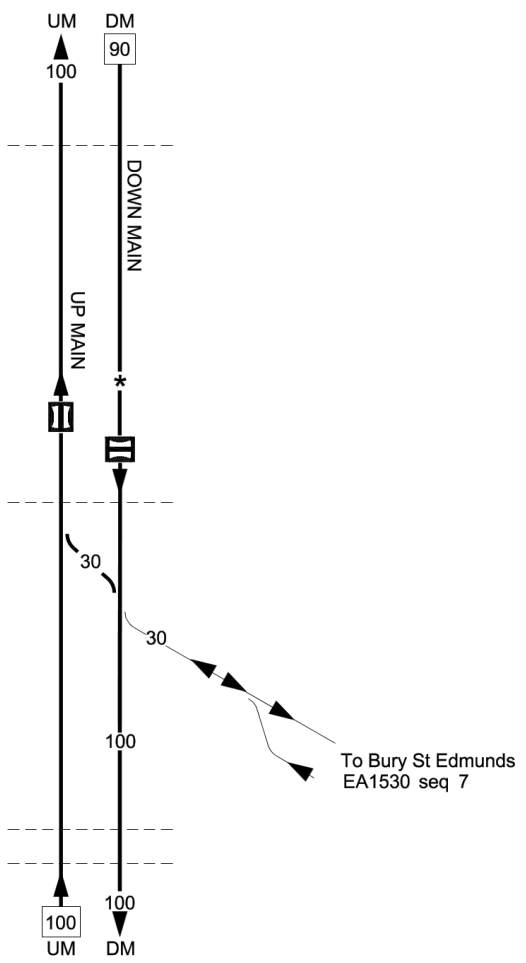
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA8 Ipswich panel AC: Romford
			General instruction applies at Ship Lane (Bridge 255) at 71m 17ch
Europa Jn	70 37		
Claydon LC (CCTV)	73 47		DC - Down Bacon Factory Curve UC - Up Bacon Factory Curve
			DGL 269 metres (294 yards)
Claydon GF	73 70		
Barham sidings	74 12		
Baylam LC (AHBC-X)	75 17		
NEEDHAM MARKET	77 07		Up Platform - 71 metres (72 yards) Down Platform - 84 metres (90 yards)
Gypsy Lane LC (FPW)	77 64		FPW - Footpath with wicket gates
OHNS	79 10		UM = Up Main DM = Down Main

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	003	Ipswich to Trowse Junction	LTN1	Anglia	11/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA8 Ipswich panel AC: Romford
	80 00 *		
			D&UGL 538m (588yds) PF
	80 35		
STOWMARKET	80 46		Up Platform - 250m (270yds) Down Platform - 250m (270yds)
Stowmarket (MCB) LC (Supervised by Stowmarket Gate Box)	80 54		Stowmarket gate box not a block post Colchester SB (CO) Norwich panel

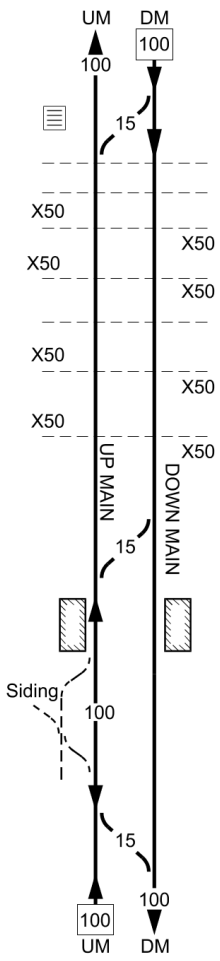
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	004	Ipswich to Trowse Junction	LTN1 CCH	Anglia	08/01/2024

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Colchester SB (CO) RA8 Norwich panel AC: Romford
Regent Street LC (CCTV)	80	68			
	81	52	*		MPCO (See General Instructions)
MPCO Zone Commencement DM	82	55			FWS (SATWS) provided from LTN1 Dn 82m 13ch & Up 83m 76ch and EA1530 (CCH)
MPCO Zone Commencement DM	82	60			
Haughley LC (AHBC)	82	70			
Haughley Jn	82	79			Telephone to Colchester signal box provided at all two aspect distant signals between 82m 20ch and 90mp
Wassicks LC (AHBC-X)	83	79			
Gooderhams LC (UWC)	84	77	T		

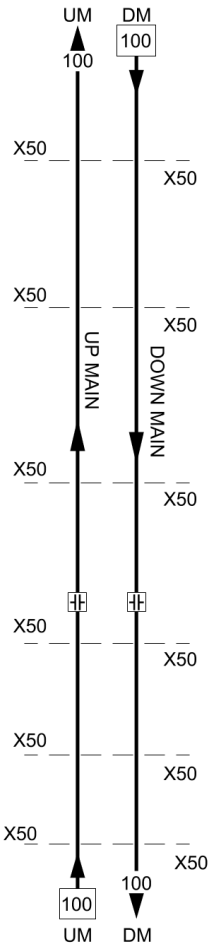
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	005	Ipswich to Trowse Junction	LTN1	Anglia	23/07/2022

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Colchester SB (CO) RA8 Norwich panel AC: Romford
Cow Green GSP	85	20		
Cow Creek LC	85	24	T	General instruction applies at Thornham Road (Bridge 302) at 89m 31ch
Gislingham LC	88	14	T	
Cow Pasture Lane LC (FP-R/G)	90	60		
Rectory Rd LC (AHBC-X)	91	05		Telephone to Colchester signal box at 92m 77ch (signal CO.424R)
Beecroft (Wright's) LC (UWC)	91	16		General instruction applies at the following bridges
Mellis LC (AHBC-X)	91	34		Thrandeston Marsh (Bridge 307) at 93m 05ch
Palgrave LC (AHBC-X)	94	04	T	Sandy Lane (1) (Bridge 315) at 95m 30ch
DISS	94	79		Up Platform - 250m (270yds) Down Platform - 250m (270yds)

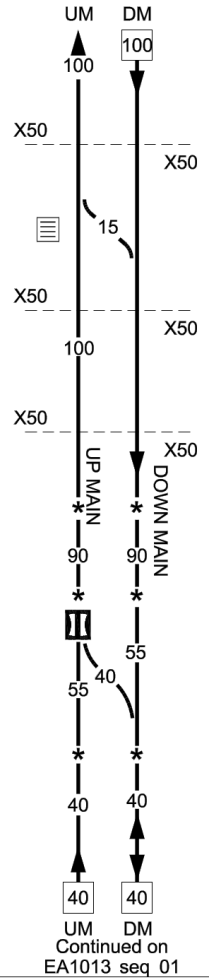
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	006	Ipswich to Trowse Junction	LTN1	Anglia	23/07/2022

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Colchester SB (CO) RA8 Norwich panel AC: Romford
Audley End (Norfolk) LC (AHBC-X)	97	04		
Burston LC (AHBC-X)	97	47		
Gissing No 2 LC (AHBC-X)	98	57		
OHNS	98	76		
Hales Street LC (AHBC-X)	100	26		
Tivetshall LC (AHBC-X)	100	43		
Black Mill LC (UWC R/G) #	101	01	T	# R/G operated by VaMoS system

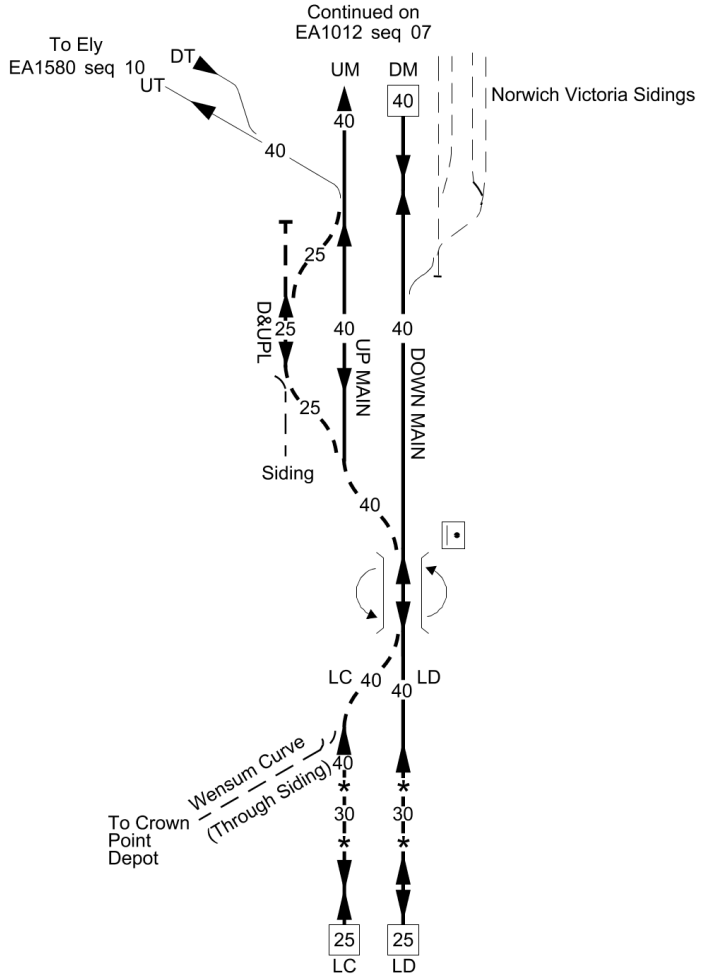
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1012	007	Ipswich to Trowse Junction	LTN1	Anglia	04/11/2023

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Colchester SB (CO) RA8 Norwich panel AC: Romford
Moulton LC (AHBC-X)	101	51			Telephones to Colchester signal box at 104m 41ch (signal CO448R) and at 105m 19ch (signal CO453R)
Flordon GSP	106	63			General instruction applies at the following bridges: Wash Lane (Bridge 327) at 102m 74ch
Newton Flotman LC (AHBC-X)	108	19			Station Road (Bridge 330) at 103m 78ch
					Tharston Mill (Bridge 333) at 105m 57ch
Swainsthorpe LC (AHBC-X)	109	54			Turners (Mulbarton Lane) (Bridge 342) at 108m 44ch
					Brick Kiln Lane (Bridge 343) at 108m 71ch
	111	36	*		Telephones to Colchester signal box at 110m 16ch (signal CO541R) and at 111m 07ch (signal CO460R)
	112	63	*		
MPCO Zone Commencement UM	112	66			
Lakenham	113	32			General instruction applies at the following bridges: Sandy Lane (2) (Bridge 349B) at 112m 70ch
	113	62	*		Martineau Lane (Bridge 352) at 113m 35ch
					MPCO (See General Instructions)

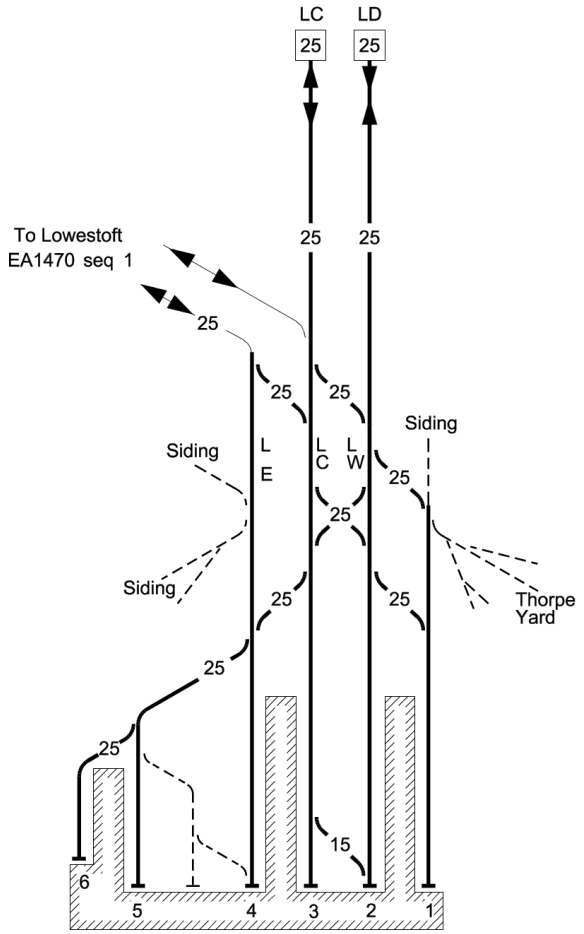
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1013	001	Trowse Jn to Norwich	LTN1 LTN2 ETN NCW	Anglia	23/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA8 Norwich panel AC: Romford UT - Up Thetford DT - Down Thetford
Trowse Jn	113 68		
Change of mileage	123 00		
Trowse Swing Bridge SB (TB)	123 37		Trowse Swing Bridge signal box controls Whitlingham Jn. and the line to Cromer / Sheringham.
Trowse Swing Bridge	123 37		
	123 47 *		
	123 56 *		LC - Line C LD - Line D

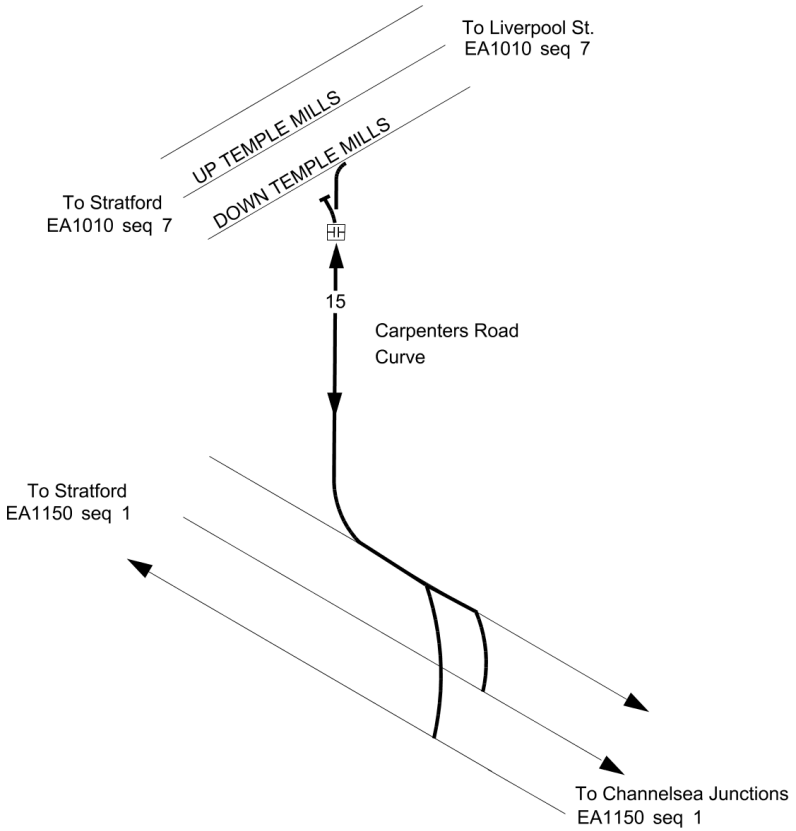
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1013	002	Trowse Jn to Norwich	LTN2 NOL THG	Anglia	04/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA8 Norwich panel AC: Romford LC - Line C LD - Line D
Thorpe Jn.	123 60		LE - Line E LW - Line W
NORWICH	124 09		Platform 1 - 298m (318yds) PP Platform 2 - 296m (320yds) PP Platform 3 - 250m (270yds) PP Platform 4 - 255m (275yds) PP Platform 5 - 198m (214yds) PP Platform 6 - 132m (142yds) PP

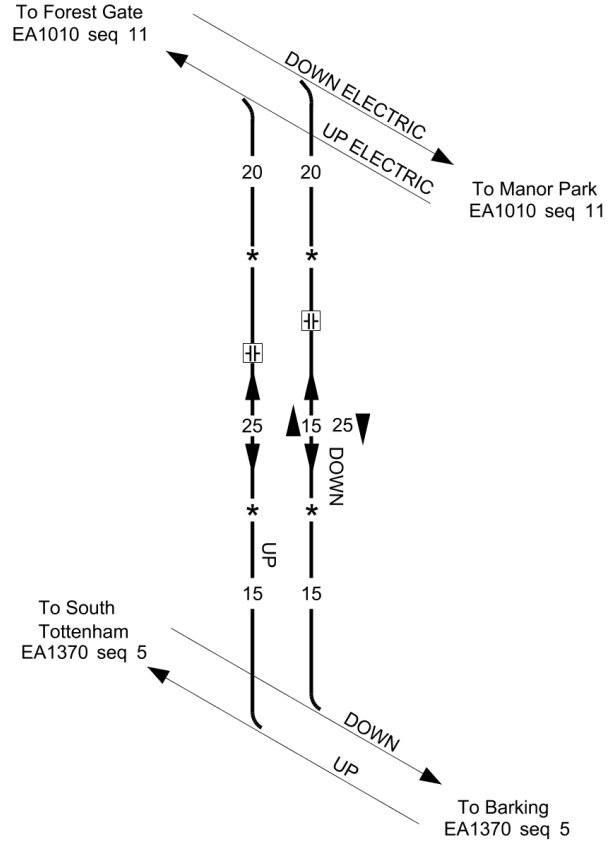
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1020	001	Carpenters Rd South Jn to Carpenters Rd North Jn	CNS	Anglia	08/05/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Carpenters Rd. South Jn	(3 54) 1 12		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford Coaching stock (including multiple Units) must not exceed 10mph in down direction
OHNS	1 08		
Carpenters Rd North Jn	0 70 (0 25) 0 25		

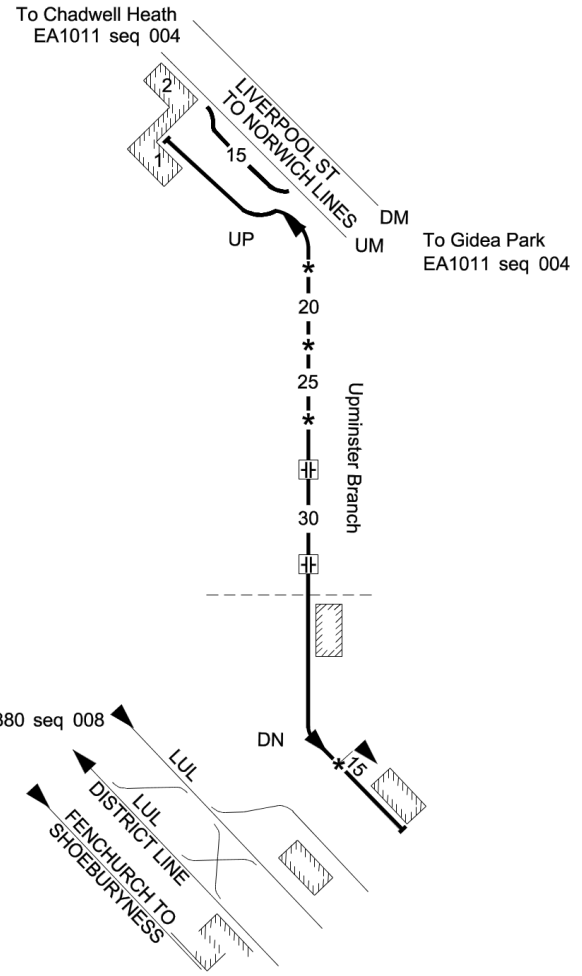
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1030	001	Forest Gate Jn to Woodgrange Park Jn	FGW LTN1 TAH3	Anglia	30/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Forest Gate Jn	0 00		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
	0 03 *		
OHNS	0 12		
OHNS	0 14		
	0 20 *		
Woodgrange Park Jn	0 31		
	(11 79)		

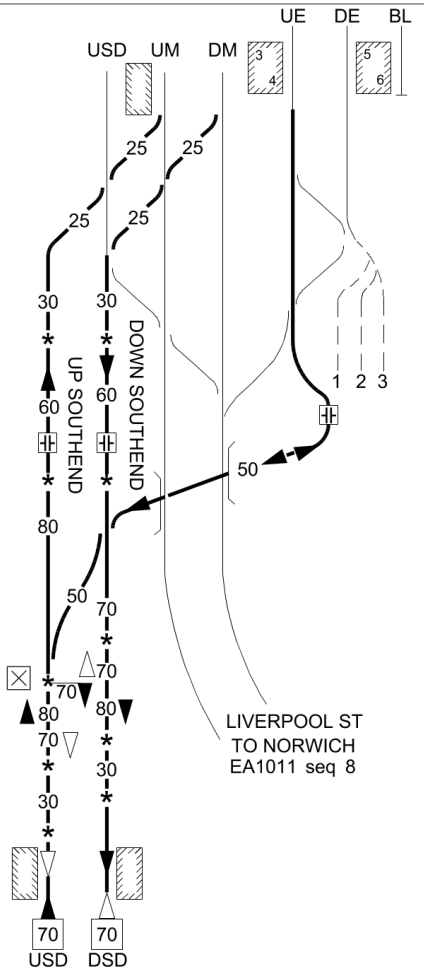
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1040	001	Romford to Upminster	ROU LTN1 FSS2	Anglia	24/03/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R OTNS Liverpool St IECC (L) RA8 Ilford workstation AC: Romford
ROMFORD	0 00		Platform 1 63m (69 yd)
	0 13 *		
	0 18 *		
	0 35 *		
OHNS	0 42		
OHNS	0 70		
Osbourne Road LC (FPS)	1 19		
EMERSON PARK	1 64		Platform 86m (94 yds)
	3 25 *		Platform 143m (156 yds)
UPMINSTER	3 30		

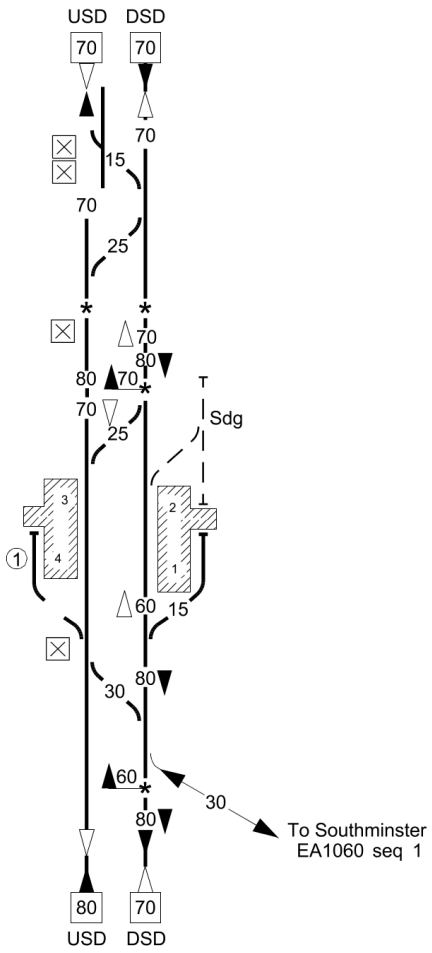
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1050	001	Shenfield Jn to Southend Victoria	SSV LTN1	Anglia	27/08/2022

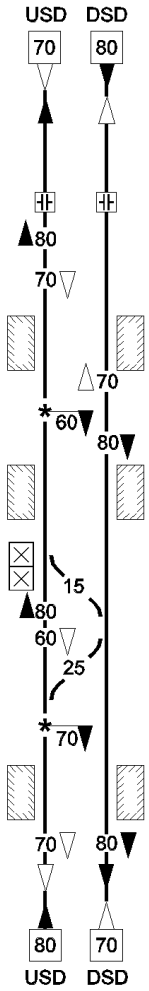
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
SHENFIELD	20 16		GSM-R
Shenfield Jn	20 22		TCB Liverpool St IECC (L) RA7 Shenfield workstation AC: Romford
			USD - Up Southend DSD - Down Southend
	20 32 *		
OHNS	20 65		
OHNS	20 72		
	21 10 *		
Mountnessing Jn	21 32		
	21 35 *		
	21 40 *		LOD(P) (Mountnessing Jn/Billericay) at 21m 40ch
	23 75 *		
	24 00 *		
	24 10 *		
	24 13 *		
BILLERICAY	24 28		Up platform - 248m (269yd) Down platform - 249m (270yd)

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1050	002	Shenfield Jn to Southend Victoria	SSV WIS	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA7 Shenfield workstation AC: Romford USD - Up Southend DSD - Down Southend
	24 33		LOD (P)s (Mountnessing Jn/Billericay & Billericay/Wickford) at 24m 33ch
	26 60 *		General instruction applies at Church Road bridge (No 763) at 27m 14ch
	28 64 *		LOD (P) (Billericay/Wickford) at 28m 60ch
WICKFORD	29 02		Platform 1 - 122.1m (133.5yd) Platform 2 - 248m (268yd) Platform 3 - 252m (273yd) Platform 4 - 106m (113yd)
			LOD (P) (Wickford/Hockley) at 29m 12ch
			① See Local Instruction
Wickford Jn	29 13		
	30 05 *		

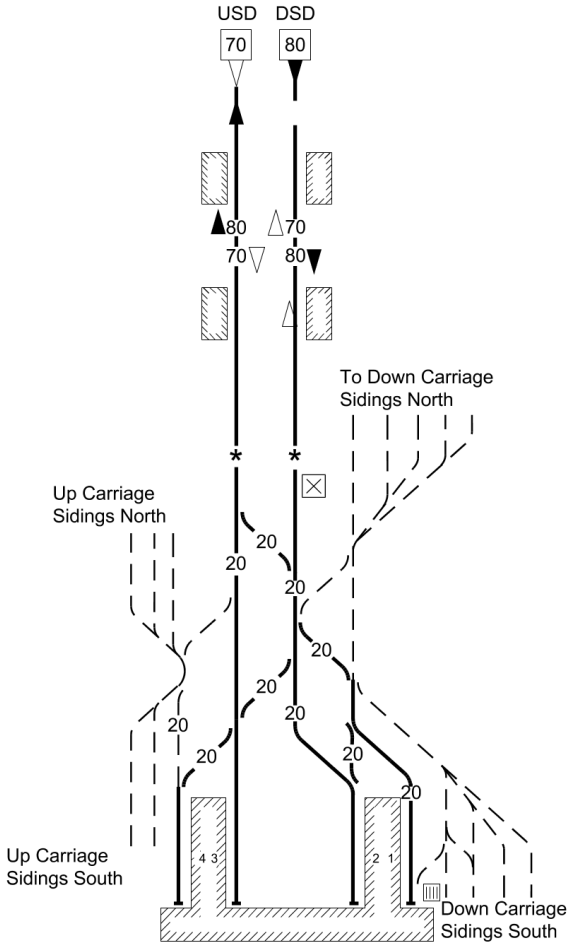
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1050	003	Shenfield Jn to Southend Victoria	SSV	Anglia	06/06/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA7 Shenfield workstation AC: Romford USD - Up Southend DSD - Down Southend
OHNS	32 79		
RAYLEIGH	33 09		Up platform - 249m (269yds) Down platform - 250m (270yds) General instruction applies at Hambro Hill Bridge (No777) at 33m 76ch
	35 20 *		
HOCKLEY	36 10		Up platform - 250m (270yds) Down platform - 250m (270yds) LOD (P)s (Wickford/Hockley & Hockley/Southend Vic.) at 36m 3ch
	36 29 *		
ROCHFORD	38 54		Up platform - 249m (269yds) Down platform - 249m (269yds)

Anglia Route Sectional Appendix Module AR2

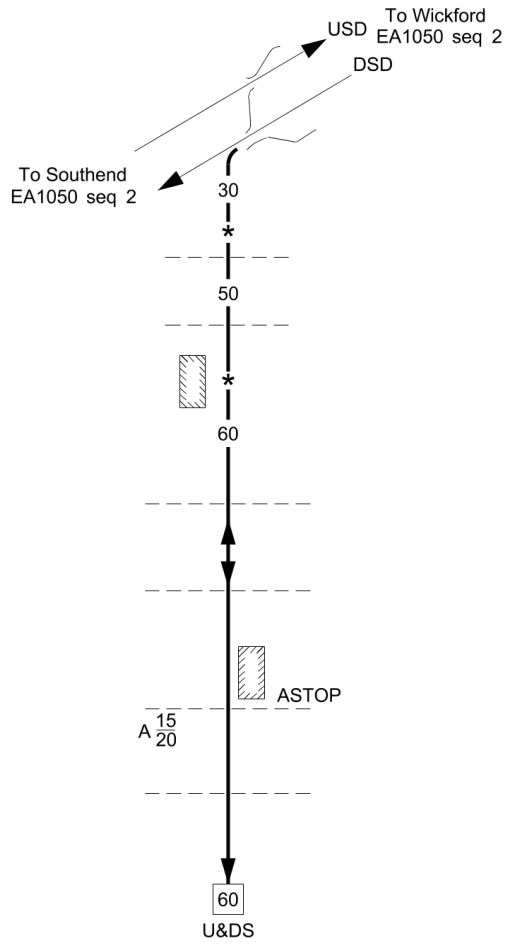
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1050	004	Shenfield Jn to Southend Victoria	SSV	Anglia	09/05/2021

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Liverpool St IECC (L) RA7 Shenfield workstation AC: Romford
				USD - Up Southend DSD - Down Southend
SOUTHEND AIRPORT	39	44		Up platform - 250m (273yd) Down platform - 250m (273yd)
PRITTLEWELL	40	67		Up platform - 248m (269yd) Down platform - 249m (269yd)
	41	11 *		LOD (P)s (Hockley/Southend Vic.) at 41m 17ch
Southend GF	41	41		Platform 1 - 247.7m (270.8yd) PP Platform 2 - 254.8m (278.8yd) PP Platform 3 - 254.8m (278.8yd) PP Platform 4 - 249.5m (272.8yd) PP
SOUTHEND VICTORIA	41	42		



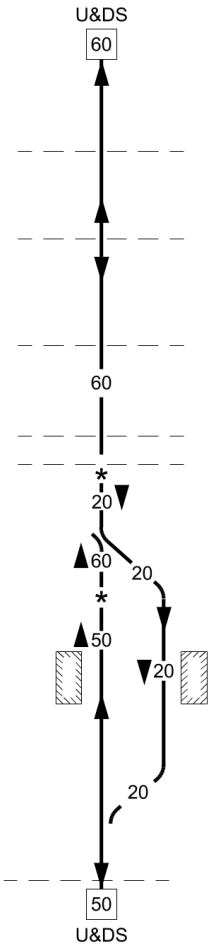
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1060	001	Wickford Jn to Southminster	WIS SSV	Anglia	27/08/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Liverpool St IECC (L) RA7 Shenfield workstation AC: Romford USD - Up Southend DSD - Down Southend
Wickford Jn	29 13			
	29 19	*		
Beauchamps LC (FPK)	30 29			
Battlesbridge LC (FPW)	31 20			
BATTLESBRIDGE	31 40	*		Platform - 85m (92yd)
Tabrums Cross LC (UWC)	33 38		T	
Woodham Fenn LC (UWC)	33 56		T	
SOUTH WOODHAM FERRERS	34 00			Platform - 264m (286yd)
Woodham Ferrers LC (ABCL)	34 08			
Stowmaries No.1 LC (UWC)	34 77		T	
				U&DS - Up & Down Southminster

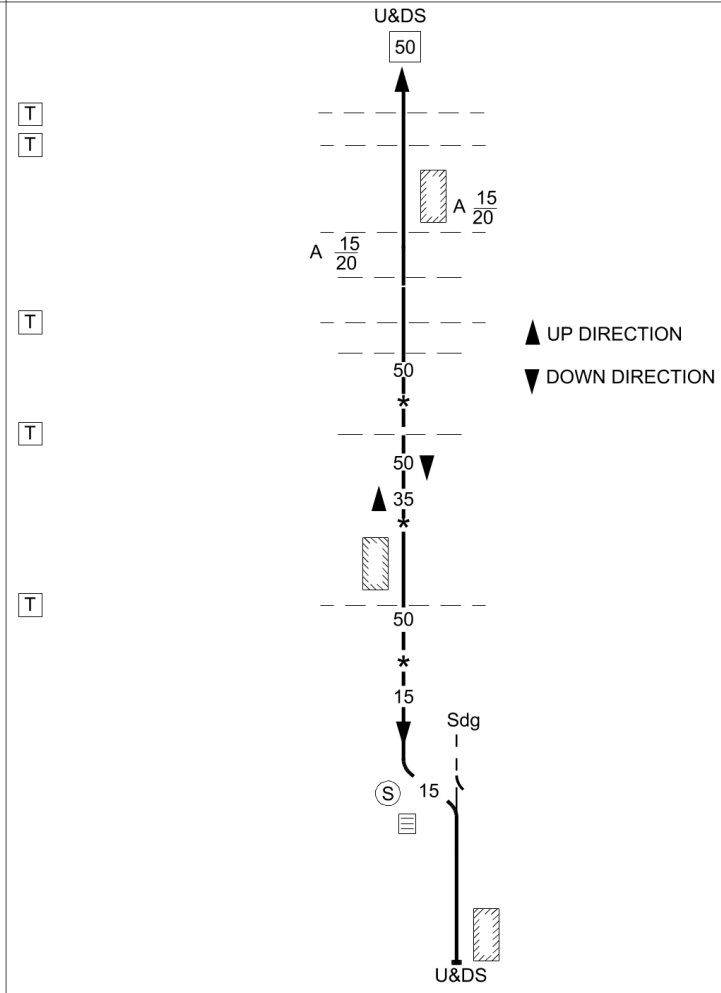
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1060	002	Wickford Jn to Southminster	WIS	Anglia	09/03/2021

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Liverpool St IECC (L) RA7 Shenfield workstation AC: Romford
Hogwell LC (UWC R/G)	35	32	T		
Little Hayes LC (UWC R/G)	35	66	T		
Grooms Farm (UWC)	36	33			
Rookery No1 LC (UWC R/G)	36	55	T		
Stevens LC (FPW)	36	72			
	37	03	*		CL Down 38 CL Up 37
	37	20	*		Up platform - 165m (178yd)
NORTH FAMBRIDGE	37	23			OTNS Down platform - 189m (206yd)
Big Hill LC (UWC - R/G)	38	20	T		

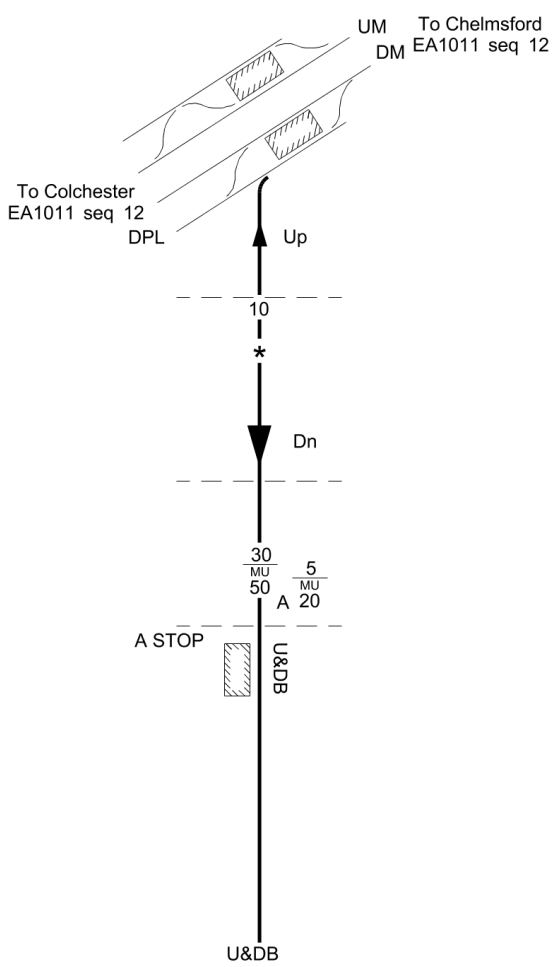
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1060	003	Wickford Jn to Southminster	WIS	Anglia	17/03/2022

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R OTNS Liverpool St IECC (L) RA7 Shenfield workstation AC: Romford U & DS - UP & DOWN SOUTHMINSTER
Standford's Farm (R/G)	39	27	T		
Tyle Hall LC (R/G)	39	58	T		
ALTHORNE	40	27			Platform - 162m (176yd)
Althorne LC (AOCL+B)	40	31			
Cliffords Farm LC (FPW)	40	63			
Stokes Hall LC (R/G)	41	18	T		
Creaksea Place 1 LC (FPW)	42	42			
	43	03	*		
Chestnut Close LC (FPG-R/G)	43	03	T		Platform - 169m (183yd)
	43	19	*		
BURNHAM-ON-CROUCH	43	24			
Newmans LC (R/G)	44	25	T		
	45	23	*		
Southminster GF	45	30			
SOUTHMINSTER	45	42			Platform - 171m (185yd)

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1070	001	Witham Jn to Braintree	BRA LTN1	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA6 Witham workstation AC: Romford
Witham Jn	(38 55) 24 15		Note: Miles and chains are distances from Bishop's Stortford
Cut Throat Lane LC (R/G)	24 05		U&DB - Up & Down Braintree UM - Up Main DM - Down Main DPL - Down Passenger Loop
	23 75 *		
Essex Way LC (FP)	21 49		
White Notley LC (ABCL)	21 11		
WHITE NOTLEY	21 10		Platform - 249m (272yds)

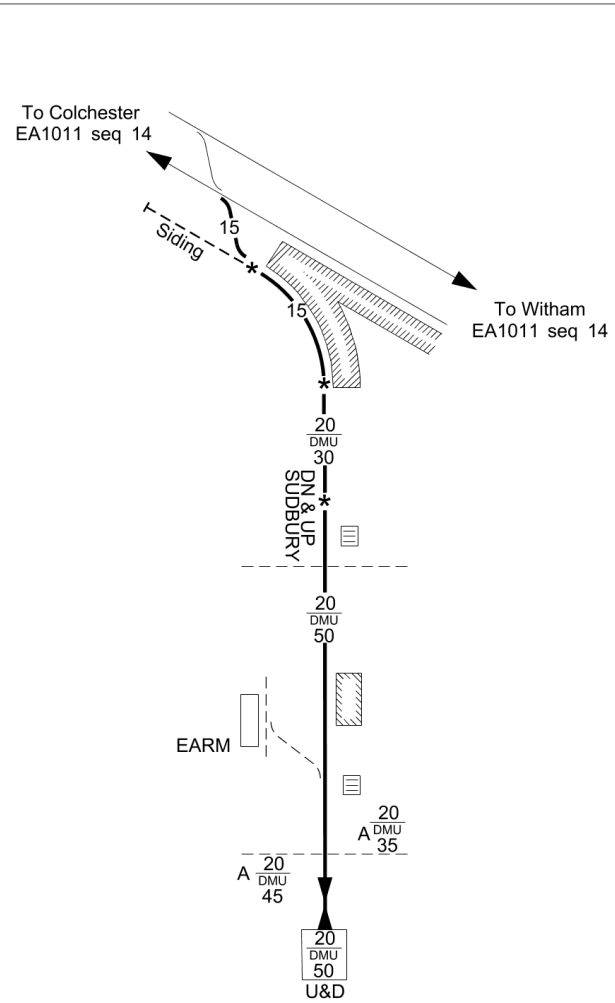
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1070	002	Witham Jn to Braintree	BRA	Anglia	31/03/2023

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
			U&DB	GSM-R TCB Liverpool St IECC (L) RA6 Witham workstation AC: Romford U&DB - Up & Down Braintree
Craines No1 LC (FPS)	20	12		
CRESSING	20	00		Platform - 178m (192yds)
Cressing LC (ABCL)	19	75	A STOP A 5 MU 20	
Raffels LC (FPS)	19	54		
Cousins No.2 LC (UWC R/G)	19	18	T	
Cousins No1 LC (FPS)	19	07		
BRAINTREE FREEPORT	18	54		Platform - 166m (181yds)
	18	27 *	* 30 MU 35	
	18	12 *	* 15	
BRAINTREE	17	71		Platform - 247m (270yds)

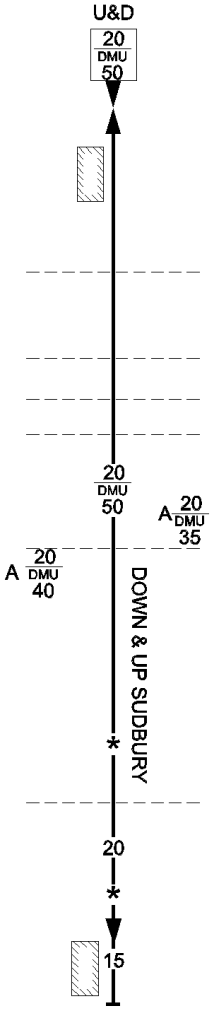
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1080	001	Marks Tey Jn to Sudbury	SUD LTN1	Anglia	27/08/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Liverpool St IECC (L) RA6 Witham workstation
Marks Tey Jn Mainline points	46	56		
Marks Tey Jn	46	53		
	46	57 *		
MARKS TEY	46	59		Platform - 50m (55yds)
	46	62 *		OTNS Marks Tey (L868 Signal at 46m 61ch) to Sudbury
	46	66 *		
Marks Tey GF	47	43		
Church House Farm LC	47	50	T	
CHAPPEL & WAKES COLNE	50	18		Platform - 107m (116yds) EARM-East Anglia Railway Musuem
Museum GF	50	26		
Mount Bures LC (ABCL)	52	61		

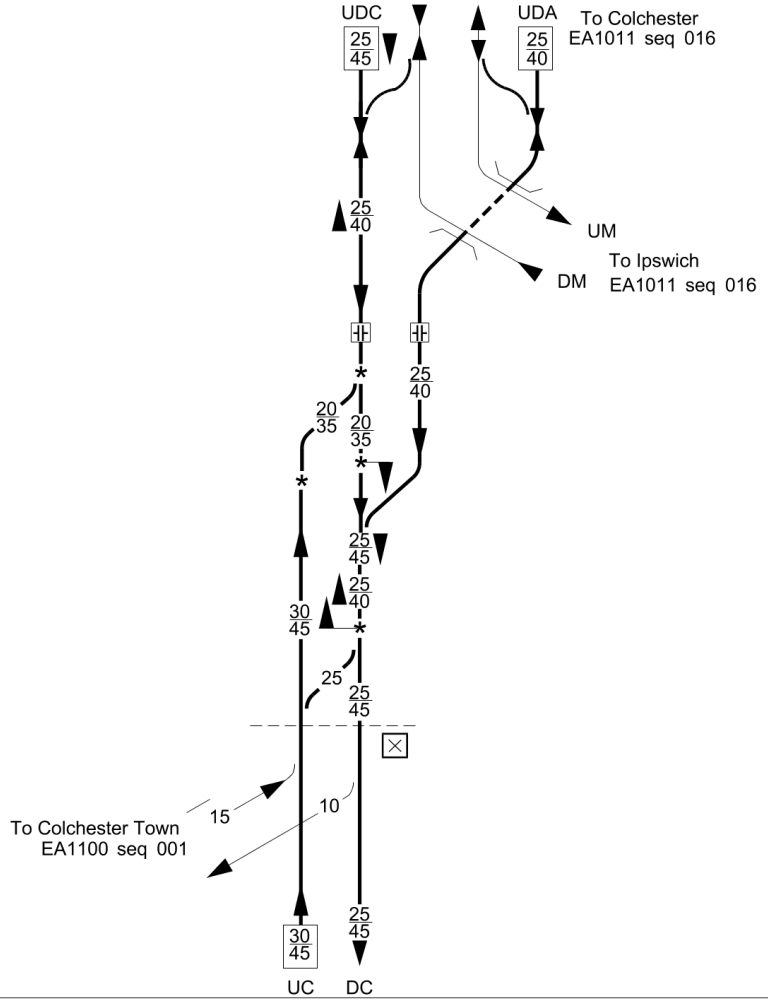
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1080	002	Marks Tey Jn to Sudbury	SUD	Anglia	06/06/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R OTNS Liverpool St IECC (L) RA6 Witham workstation
BURES	53 45		Platform - 82m (89yds) General instruction applies at Colne Road (Bridge 891) at 53m 47ch
Lamarsh School Lane (UWC)	54 77	T	
Casefield LC (UWC)	56 36	T	
Sewage Works Lane LC (UWC)	56 62	T	
Shalfords LC (UWC)	56 73	T	
Cornard LC (ABCL)	57 42		
	58 22 *		
Sudbury Ladysbridge LC (UWC)	58 25	T	
	58 29 *		
SUDBURY	58 32		Platform - 52m (57yds)

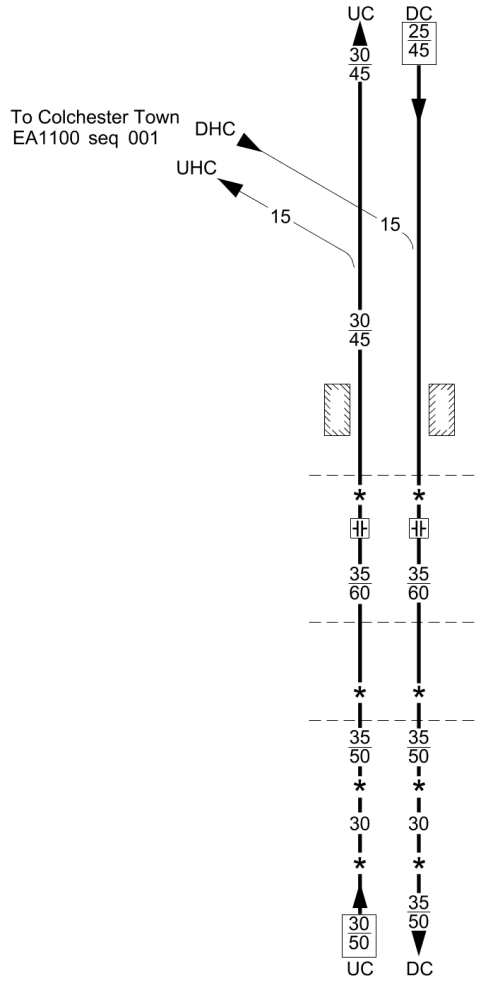
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1090	001	Colchester Jn to Clacton	COC LTN1 STB CTH	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA7 Colchester workstation AC: Romford UDC - Up and Down Clacton UDA - Up and Down Avoiding line DC - Down Clacton UC - Up Clacton UM - Up Main DM - Down Main
OHNS	52 28		
	52 33 *		
	52 56 * 52 61 *		
Hunwick Jn	52 65		Colchester SB (CO) East Gate workstation
	53 06 *		
East Gate LC (CCTV)	53 12		LOD(P) Down Clacton, Up and Down Avoiding line (East Gate/Colchester) at 53m 13ch
East Gate Jn	53 14		

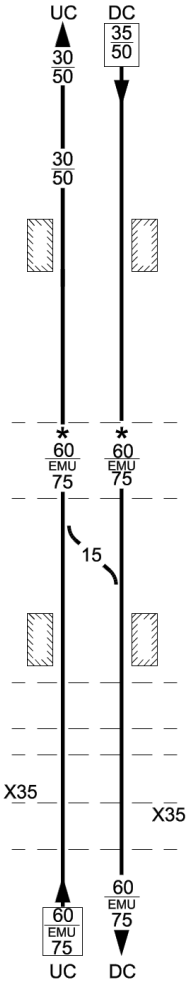
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1090	002	Colchester Jn to Clacton	COC STB CTH	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA7 East Gate workstation AC: Romford UC - Up Clacton DC - Down Clacton UHC - Up Hythe Curve DHC - Down Hythe Curve
Hythe Jn	53 36		
HYTHE	53 49		Up platform - 250m (273 yds) Down platform - 272m (297 yds)
Hythe Station LC (CCTV)	53 54		
	53 55 *		
OHNS	54 15		
Wivenhoe Park LC (UWC)	54 61	T	
	55 25 *		
Spring Lane LC (FPS)	55 34		
	55 45 *		
	55 55 *		

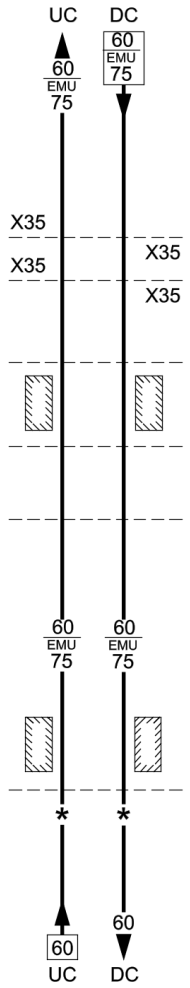
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1090	003	Colchester Jn to Clacton	COC	Anglia	12/11/2022

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Colchester SB (CO) RA7 East Gate workstation AC: Romford DC - Down Clacton UC - Up Clacton
WIVENHOE	56	00			Up platform - 249m (272 yd) Down platform - 248m (271 yd)
Paget LC (FPW)	56	27			
	56	60	*		
Sand Pit LC (FPS)	57	40			
ALRESFORD	57	63			Up platform - 176m (192 yd) Down platform -176m (192 yd)
Alresford LC (CCTV)	57	68			
Coach Road LC (CCTV)	58	02			
High Elm LC (FPS)	58	32			
Hockley LC (FP) (R/G-X)	58	63		T	
Thorrington LC (CCTV)	59	41			Colchester SB (CO) Thorpe le Soken workstation

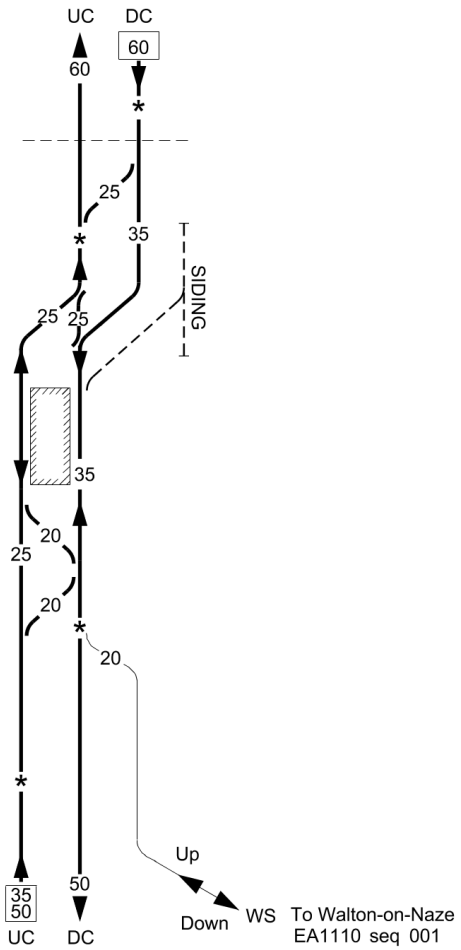
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1090	004	Colchester Jn to Clacton	COC	Anglia	02/04/2017

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Colchester SB (CO) RA7 Thorpe le Soken workstation AC: Romford DC - Down Clacton UC - Up Clacton
Frating LC (AHBC-X)	59	74			
Frating Abbey FP LC (R/G-X)	60	18	T		
Great Bentley LC (CCTV)	60	62			
GREAT BENTLEY	60	66			Up platform - 176m (192 yd) Down platform - 176m (192 yd)
Great Bently Station LC (FPS)	60	75			
Lords No 1 LC (FPS)	61	07			
WEELEY	62	78			Up platform - 175m (191 yd) Down platform - 175m (191 yd)
Church lane LC (FPW)	63	25			
	63	35	*		

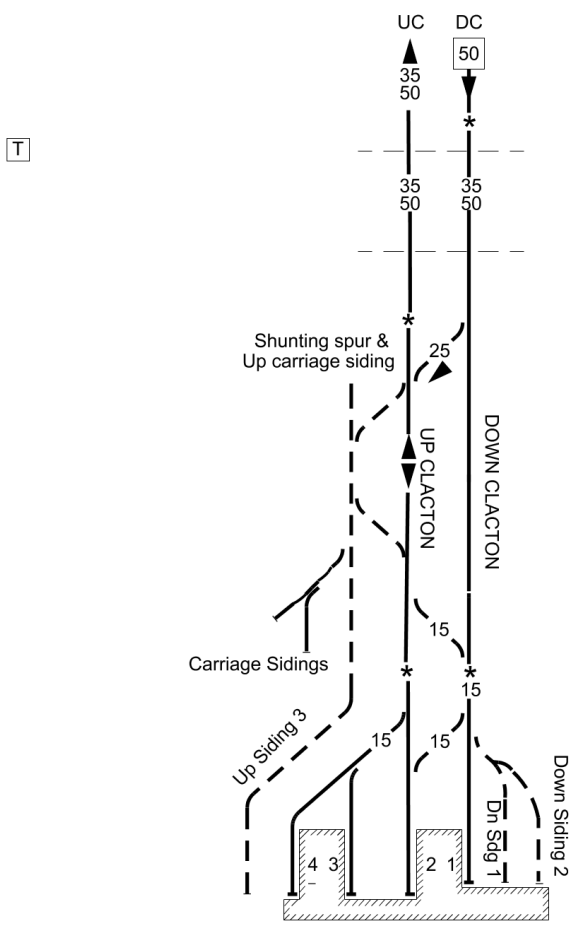
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1090	005	Colchester Jn to Clacton	COC TWN	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (C RA7 Thorpe le Soken workstation AC: Romford DC - Down Clacton UC - Up Clacton
	64 54 *		
Church Path LC (FPS)	64 55		
	64 68 *		
THORPE-LE-SOKEN	65 07		Up Platform - 249m (272yd) PP Down Platform - 248m (271yd) PP
Thorpe-le-Soken Jn	65 19 *		
	65 24 *		
			WS - Walton Single

Anglia Route Sectional Appendix Module AR2

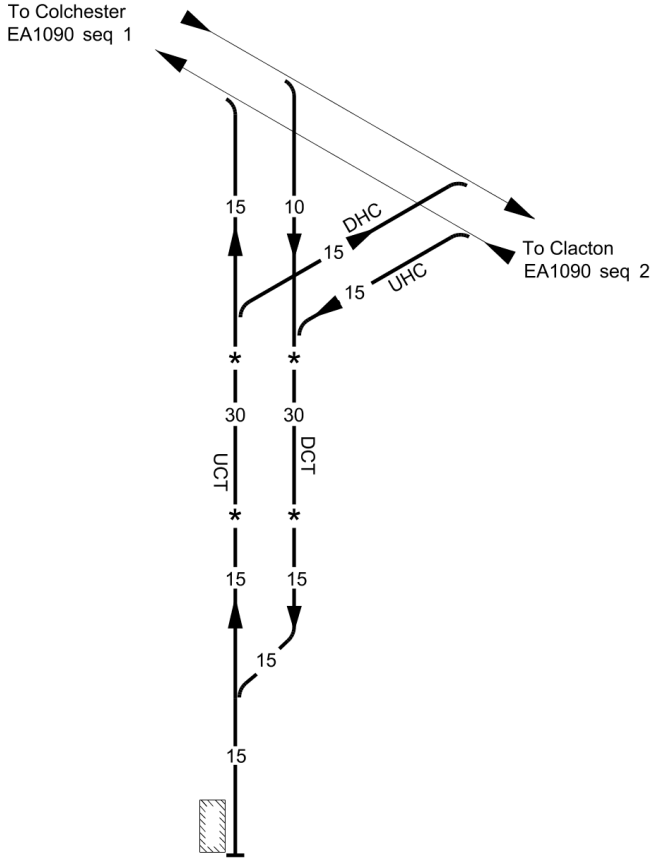
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1090	006	Colchester Jn to Clacton	COC	Anglia	12/06/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA7 Thorpe le Soken workstation AC: Romford DC - Down Clacton UC - Up Clacton
	67 22 *		
Giles LC (UWC)	67 45 T		
Burrs Road LC (CCTV)	68 04		
	69 22 *		
	69 38 *		
CLACTON-ON-SEA	69 56		Platform 1 - 213m Platform 2 - 259m PP Platform 3 - 197m Platform 4 - 245m PP

Anglia Route Sectional Appendix Module AR2

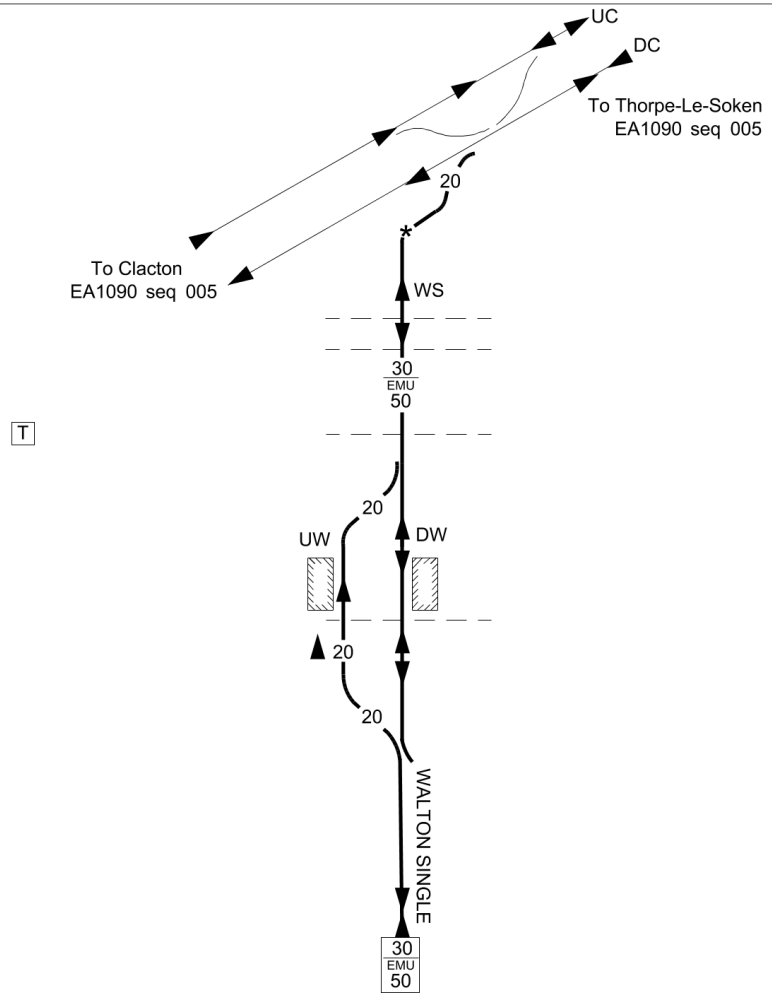
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1100	001	East Gate Jn & Hythe Jn to Colchester Town	STB CTH COC	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
East Gate Jn	53 14		GSM-R TCB Colchester SB (CO) RA7 East Gate workstation AC: Romford DHC - Down Hythe Curve UHC - Up Hythe Curve DCT - Down Colchester Town UCT - Up Colchester Town
Hythe Jn	0 22		
Colne Jn	53 30 * / 0 00 *		
	53 59 *		
	53 63		
COLCHESTER TOWN	53 76		Platform - 256m (280 yd)

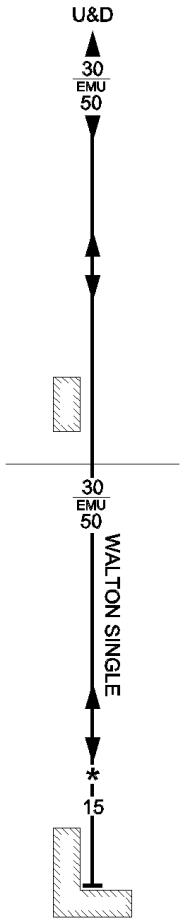


Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1110	001	Thorpe-Le-Soken Jn to Walton-On-Naze	TWN COC	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Thorpe-Le-Soken Jn	65 19		GSM-R TCB Colchester SB (CO) RA7 Thorpe le Soken workstation AC: Romford UC - Up Clacton DC - Down Clacton WS - Walton Single DW - Down Walton UW - Up Walton Platforms - 171m (187yrd) (Down Platform Down direction - 167m (182yrd) due to Signal location on platform)
	65 20 *	
Pork Lane LC (AHBC)	66 65	
Bluehouse LC (FPS)	66 78	
Nursery LC (UWC)	67 32	T
KIRBY CROSS	67 55	
Kirby Cross Statin LC (FPW)	67 56	

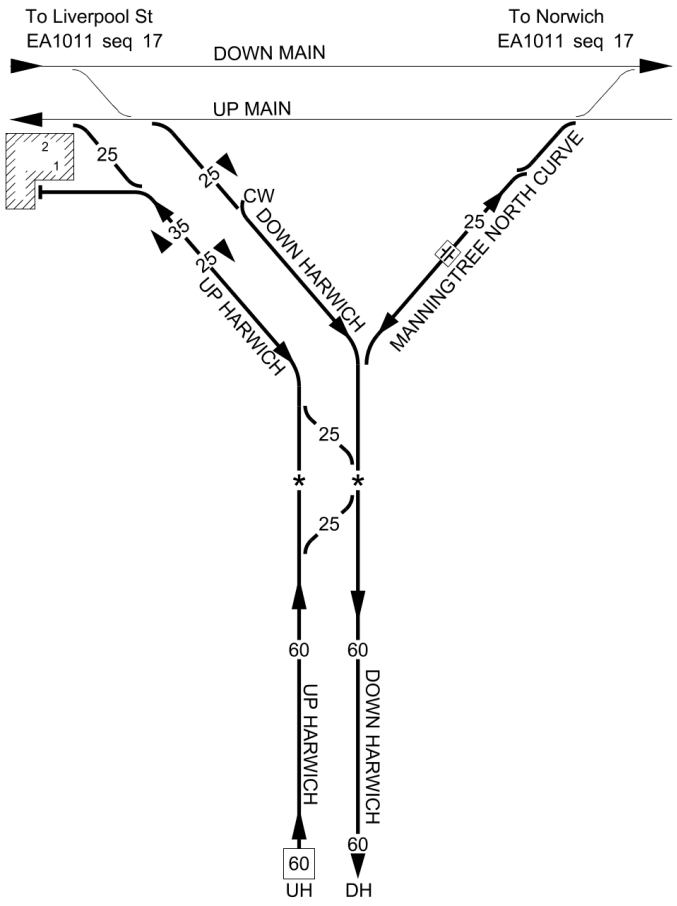
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1110	002	Thorpe-Le-Soken Jn to Walton-On-Naze	TWN	Anglia	06/06/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA7 Thorpe le Soken workstation AC: Romford
FRINTON-ON-SEA	68 66		Platform - 178m (194 yd)
Frinton LC (CCTV)	68 76		
	70 05 *		
WALTON-ON-THE-NAZE	70 15		Platform - 177m (193yd)

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1120	001	Manningtree to Harwich Town	MAH NTE LTN1	Anglia	27/08/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
	HL	MNC		
Manningtree North Jn		0 00		
MANNINGTREE	59 35			Manningtree Platform 1 - 108m (177yds) PP
Manningtree South Jn	59 45			
CW	59 47			CW. 326 yards before reaching signal CO209
OHNS		0 06		
Manningtree East Jn	59 67	0 24		
	59 74 *			General instruction applies at Station Road (Bridge 1043) at 59m 67ch



GSM-R

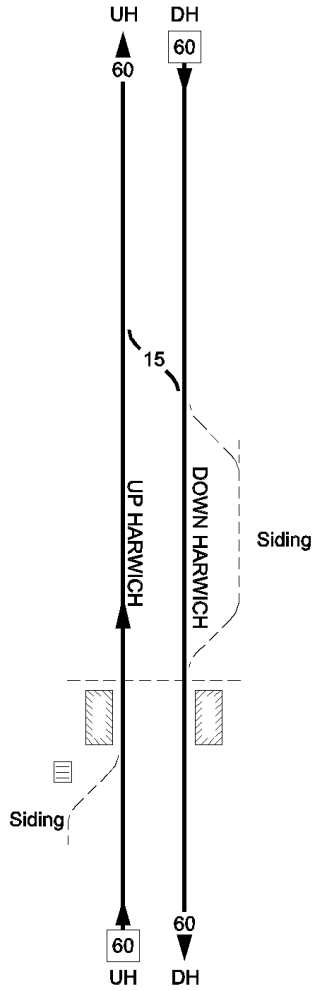
TCB	Colchester SB (CO)
RA8	Colchester workstation
	AC: Romford

HL - Harwich Lines
MNC - Manningtree North Curve

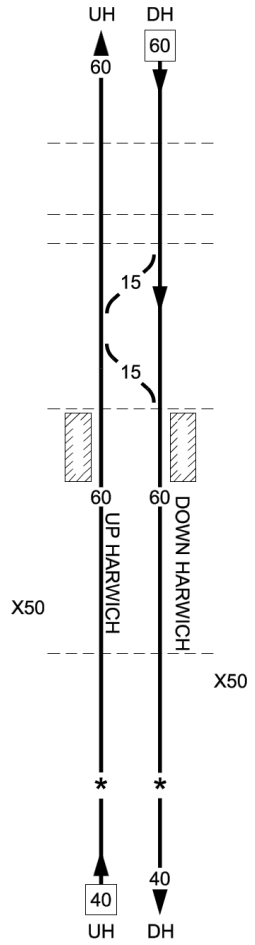
DH - Down Harwich
UH - Up Harwich

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1120	002	Manningtree to Harwich Town	MAH	Anglia	06/06/2015

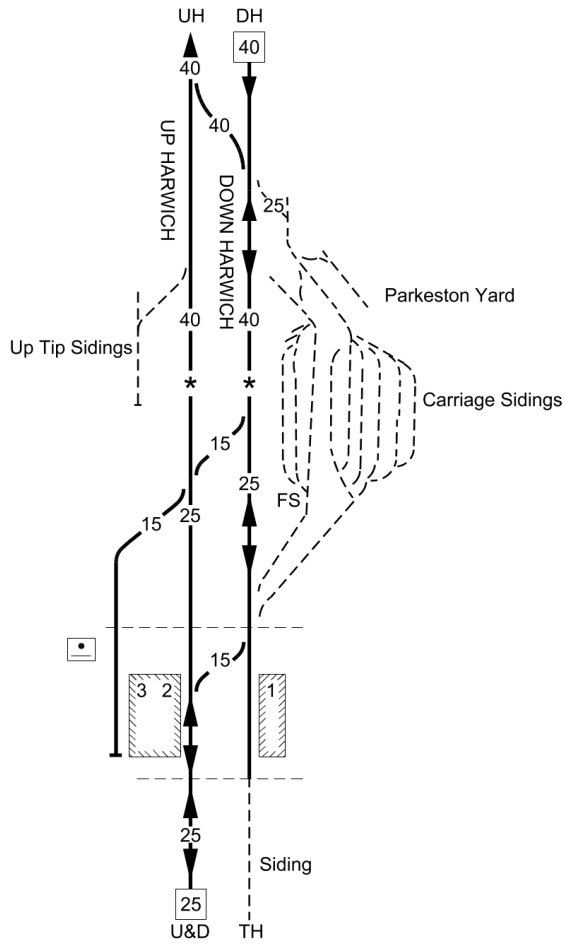
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Colchester SB (CO) RA8 Colchester workstation AC: Romford DH - Down Harwich UH - Up Harwich
Mistley Footpath LC (R/G)	61	10		
MISTLEY	61	14		Up Platform - 91m (99 yd) Down Platform - 89m (97 yd)
Mistley Up Sidings G/F	61	19		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1120	003	Manningtree to Harwich Town	MAH	Anglia	14/03/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Parkeston SB (P) RA8 AC: Romford DH - Down Harwich UH - Up Harwich
Bradfield LC (UWC) (R/G)	62 37		
Jaques Hall LC (UWC)	63 31	T	
Wheatsheaf LC (FPO)	64 50		
Wrabness Footpath LC (R/G)	65 04		
WRABNESS	65 06		Down Platform - 83m (90 yd) Up Platform - 85m (93 yd)
Copperas Wood LC (UWC) (R/G)	66 49	T	
	67 33 *		

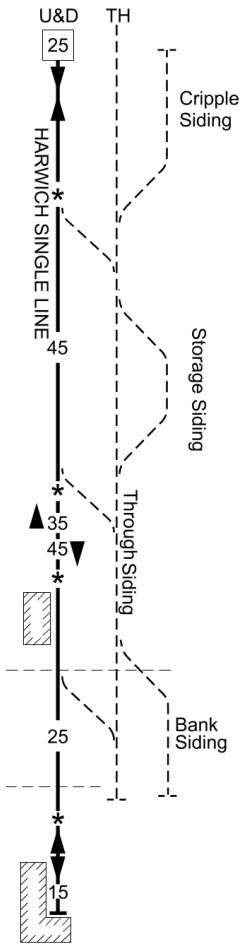
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1120	004	Manningtree to Harwich Town	MAH	Anglia	16/01/2022

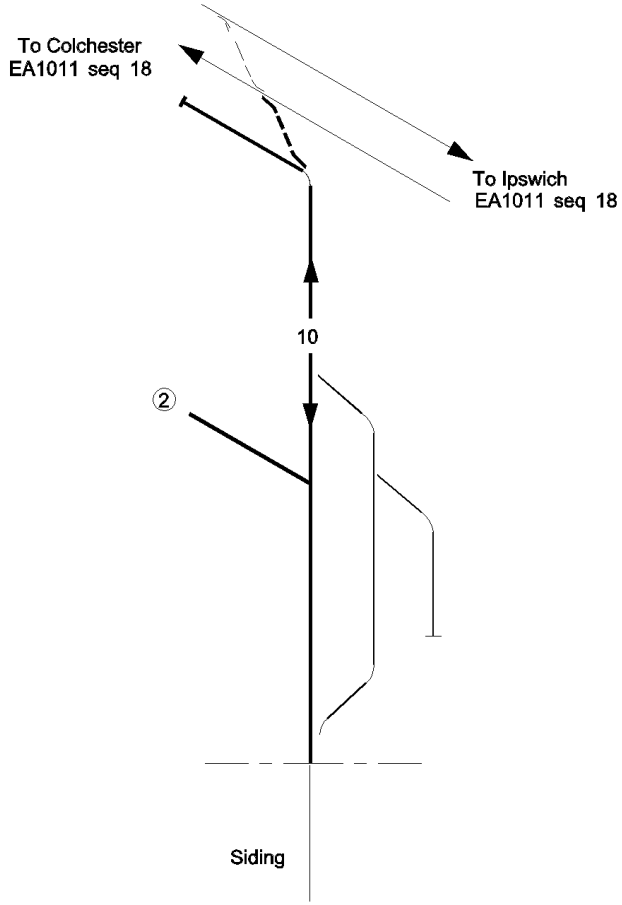
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
Parkeston Goods Jn	68	02			GSM-R TCB Parkeston SB (P) RA8 AC: Romford DH - Down Harwich UH - Up Harwich
Parkeston Yard	68	51	*		FS - Freight Siding
Parkeston West (MCB) LC	68	61			
Parkeston SB (P)	68	62			
HARWICH INTERNATIONAL PORT	68	72			Platform 1 - 262m (286 yds) Platform 2 - 264m (289 yds) Platform 3 - 259m (283 yds) PP PP-C Down direction only (Plat 2)
Parkeston East LC (CCTV)	68	79			TH - Through Siding

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1120	005	Manningtree to Harwich Town	MAH	Anglia	10/11/2020

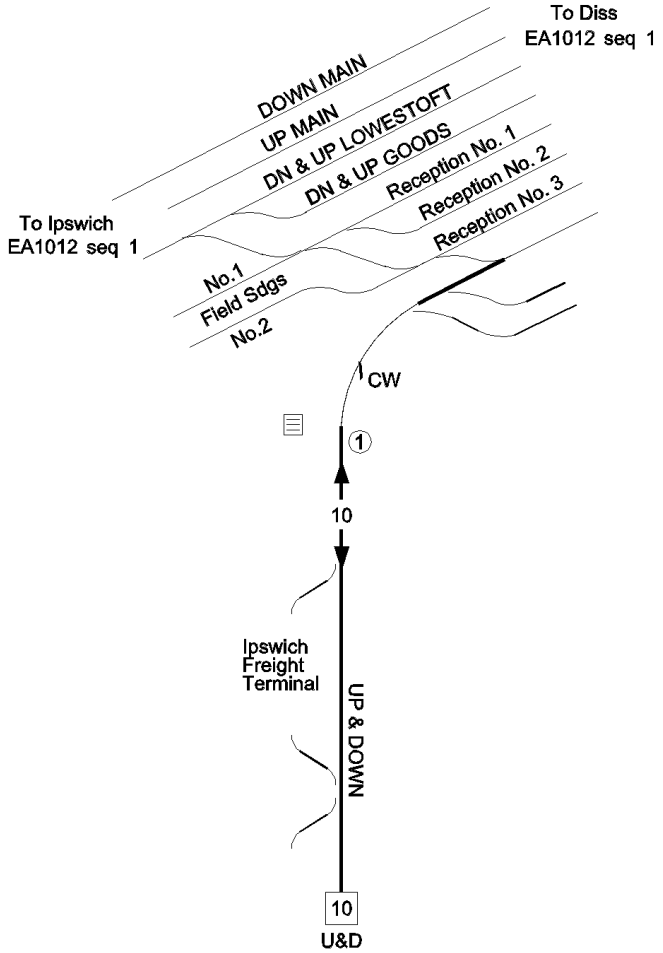
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Parkeston SB (P) RA8 AC: Romford
			TH - Through Siding
			TCB Applies on Harwich single line
	69 15 *		
			Length between P248 & P259 GPL on Through Siding is 69.7ch (1533.4 Yds)
	69 54 *		
	70 02 *		
DOVERCOURT	70 19		Platform - 167m (180 yds)
Alexandra Road LC (CCTV)	70 37		
Maria Street LC (FPW)	70 47		
	70 49 *		
HARWICH TOWN	70 61		Platform - 169m (183 yds)

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1130	001	Griffin Wharf Branch	GRW	Anglia	19/01/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Halifax Jn	(67 72) 0 00		GSM-R OTS ① Colchester SB (CO) RA8 AC: Romford TPWS at Halifax Jn only AWS not provided ① The Signaller at Parkeston is authorised to receive and deliver the train staff
West Bank Terminal ②	0 38		
Griffin Wharf Boundary	0 47		

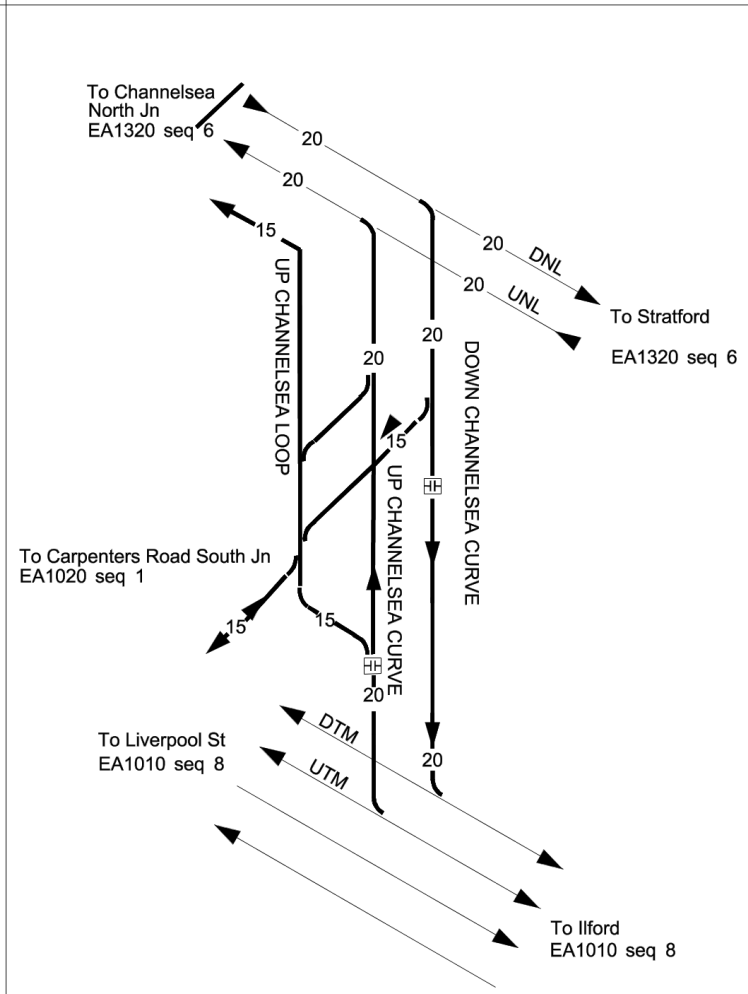
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1140	001	Ipswich Docks Branch	IPD	Anglia	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ipswich Goods Jn	68 72		RA1 GSM-R TPWS is not provided on this route
	0 56		Down: End of GSM-R area at 0m 56ch Up: Start of GSM-R area at 0m 56ch GSM-R CW - Catch point worked from Ranelagh Rd GF ① Branch Permanently out of use from 0m 56ch
Network Rail Boundary			The area within the Ipswich Freight Terminal is not part of the Network Rail Infrastructure.

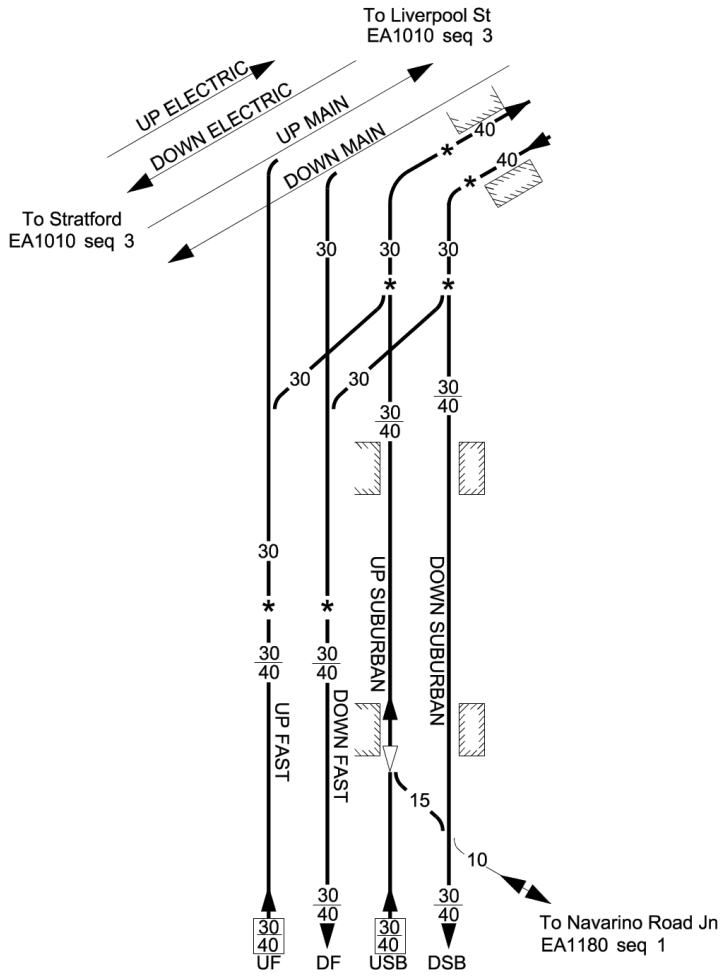
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1150	001	Channelsea South Jn to Stratford Central Jn West	CST LTN1 DWW2	Anglia	09/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Channelsea South Jn	0 29		GSM-R TCB Upminster SCC (NL) RA8 NLL Eastern Workstation AC: Romford
	0 29 *		DNL - Down North London Line UNL - Up North London Line
Carpenters Rd North Jn	0 25		
	0 22		Channel change
OHNS	0 18		
			Liverpool St IECC (L)
OHNS	0 05		
Stratford Central Jn West	0 00		DTM - Down Temple Mills UTM - Up Temple Mills

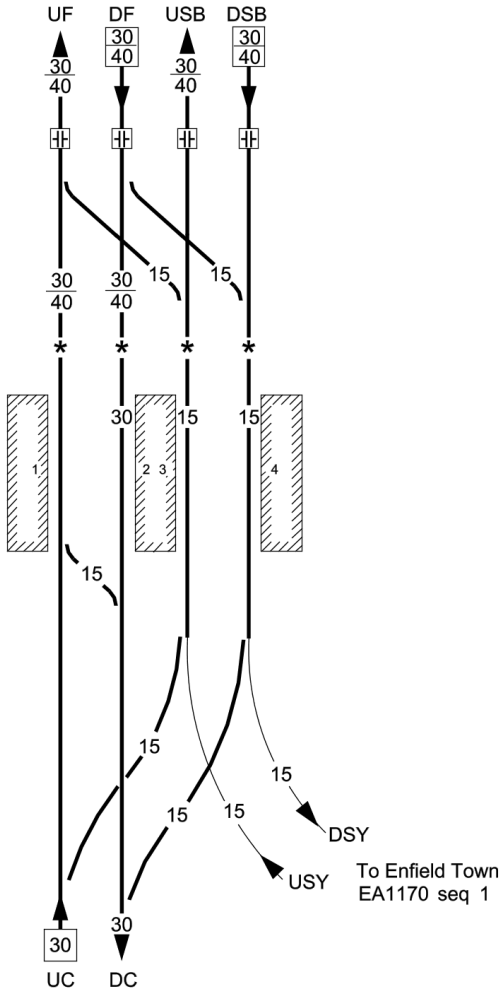
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	001	Bethnal Green East Jn to Bishops Stortford	BGK LTN1 GRE	Anglia	20/08/2022

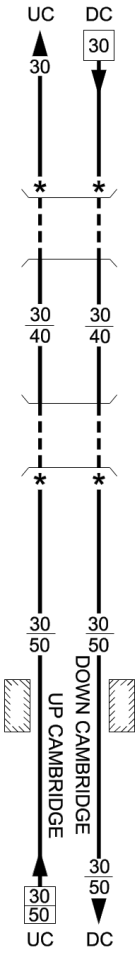
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BETHNAL GREEN	1 10		TCB Liverpool St IECC (L) RA4 AC: Romford GSM-R
Bethnal Green East Jn	1 14		
	1 16 *		General instruction applies at the following bridges:
			Collingwood Street (Bridge 26) at 1m 17ch
			Witan Street (Bridge 1339) at 1m 27ch
	1 30 *		Birbeck Street (Bridge 1340) at 1m 29ch
Bethnal Green North Jn			West Street (Bridge 1345) at 1m 59ch
			Hare Row (Bridge 1349) at 1m 70ch
CAMBRIDGE HEATH	1 61		Up Platform - 185m (200yds) Down Platform - 189m (204yds)
	1 72 *		General instruction applies at the following bridges: Beck Road (Bridge 1352) at 2m 10ch
			Helmsley Place (Bridges 1357) at 2m 24ch
LONDON FIELDS	2 35		Up Platform - 196m (212yd) Down Platform - 197m (213yd)
			Instructions in Section 1 applies at
Reading Lane Jn	2 55		Reading Lane (Bridge 1365) at 2m 52ch

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	002	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	02/04/2017

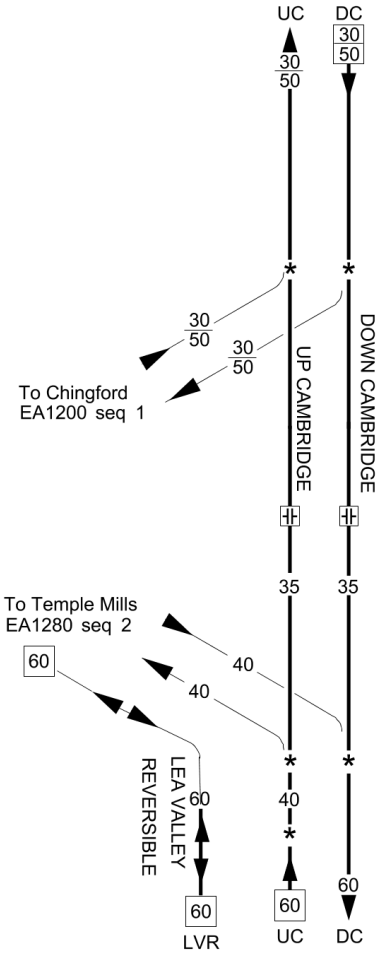
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA4 AC: Romford
OHNS	2 65		UF - Up Fast DF - Down Fast USB - Up Suburban DSB - Down Suburban
Hackney Downs South Jn			
	2 72 *		
HACKNEY DOWNS	2 78		Up Platform 1 - 214m (215yd) Down Platform 2 - 192m (208yd) Up Platform 3 - 192m (208yd) Down Platform 4 - 186m (201yd)
			RA8 All lines
Hackney Downs North Jn	3 04		
			USY - Up Southbury DSY - Down Southbury UC - Up Cambridge DC - Down Cambridge

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	003	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	25/11/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford DC - Down Cambridge UC - Up Cambridge General instruction for broken rails applies at Queens Road & Clapton tunnels
Queens Road Tunnel (445 yards)	3 19 * to 3 39		
Clapton Tunnel (284 yards)	3 53 to 3 66 *		
CLAPTON	3 78		Up Platform - 186m (201yd) Down Platform - 186m (201yd)

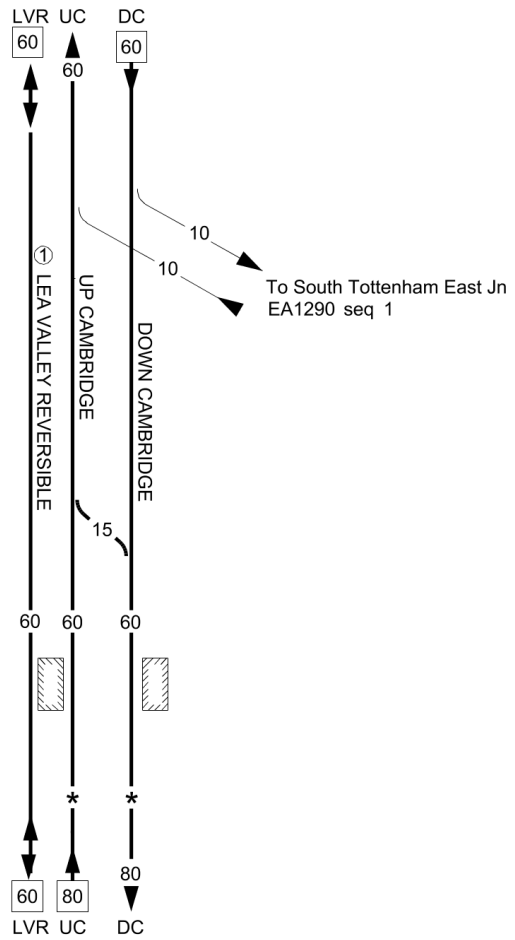
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	004	Bethnal Green East Jn to Bishops Stortford	BGK CJC SDC	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Clapton Jn.	4 38 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford DC - Down Cambridge UC - Up Cambridge LVR - Lea Valley Reversible
OHNS	4 66		
Coppermill Jn	4 74 *		
	4 79 *		

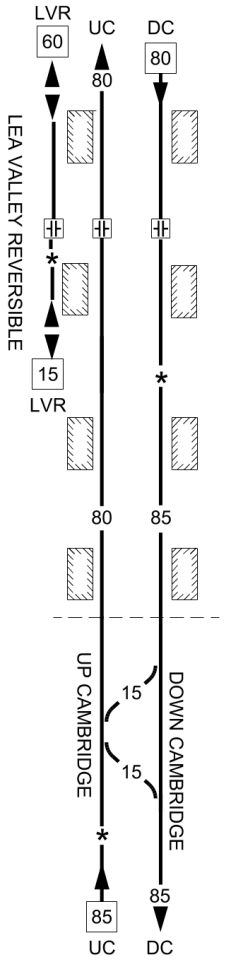
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	005	Bethnal Green East Jn to Bishops Stortford	BGK TSE	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Tottenham South Jn	5 41		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford DC - Down Cambridge UC - Up Cambridge LVR - Lea Valley Reversible ①
TOTTENHAM HALE	6 00		Up platform - 254m (275 yd) Down platform - 249m (296 yd) Lea Valley Reversible - 180m (197yd)
	6 12 *		① Out Of Use

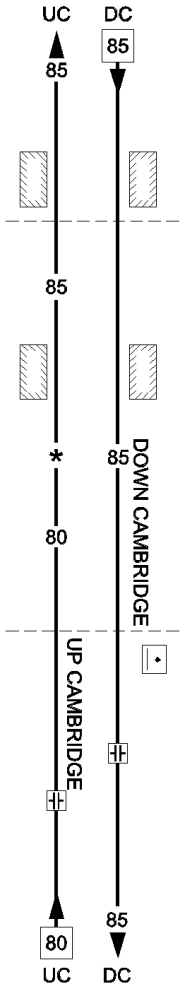
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	006	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	19/05/2019

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
NORTHUMBERLAND PARK	6	73			Up Platform - 172m (186 yd) Down Platform - 173m (187 yd) Lea Valley Reversible - 193m (211 yd)
OHNS	7	15			
	7	37	*		
MERIDIAN WATER	7	47			
ANGEL ROAD ①	7	57			Up Platform - 160m (175 yd) Down Platform - 160m (175 yd) Lea Valley Reversible - 160m (175 yd)
	8	00	*		① Angel Road Station is Out Of Use.
PONDERS END	9	71			Up Platform - 167m (182 yds) Down Platform - 166m (181 yds)
BRIMSDOWN	10	61			Up Platform - 162.5m (178 yds) Down Platform - 181.5m (198 yds)
Brimsdown LC (CCTV)	10	65			
	11	00	*		DC - Down Cambridge UC - Up Cambridge LVR - Lea Valley Reversible

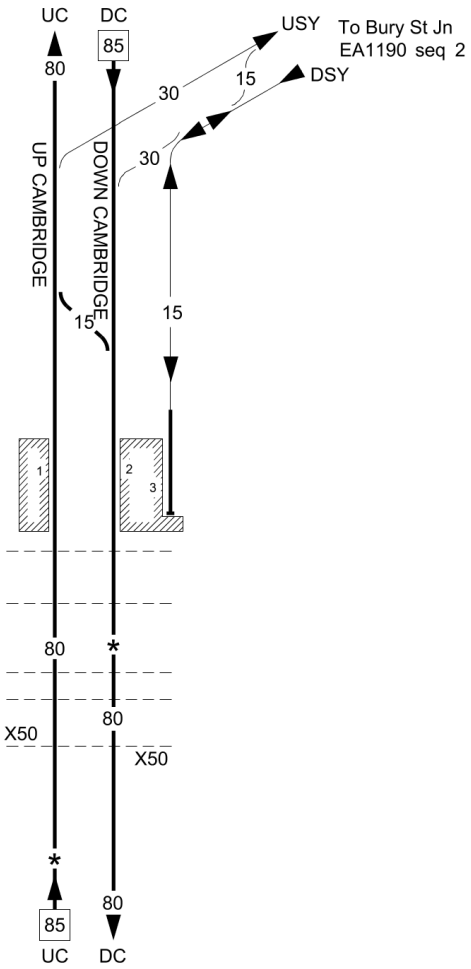
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	007	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	06/06/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Liverpool St IECC (L) RA8 AC: Romford GSM-R
ENFIELD LOCK	11 65		Up Platform - 167m (182 yds) Down Platform - 165m (180 yds)
Enfield Lock LC (CCTV)	11 70		
WALTHAM CROSS	12 63		Up Platform - 170m (184 yd) Down Platform - 184m (199 yd)
	13 00 *		DC - Down Cambridge UC - Up Cambridge
Trinity Lane LC (MCG)	13 22		Trinity Lane Gate Box not a block post
OHNS	13 50		
OHNS	13 67		

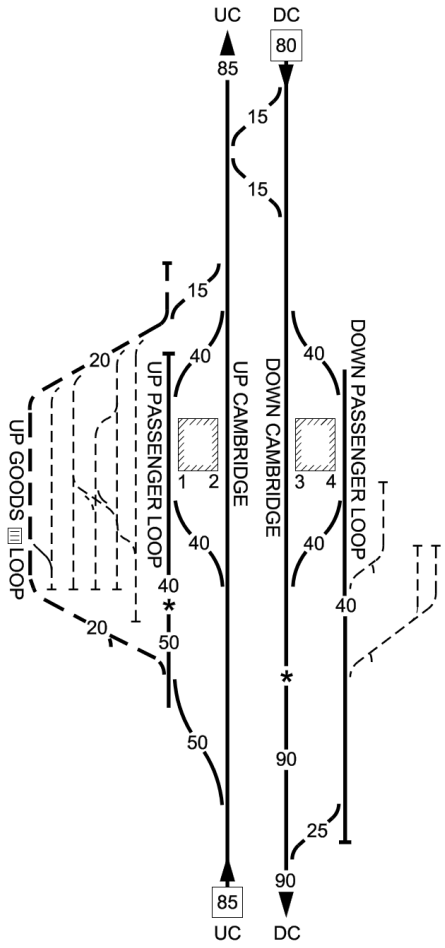
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	008	Bethnal Green East Jn to Bishops Stortford	BGK HDT	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Cheshunt Jn	13 71		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford DC - Down Cambridge UC - Up Cambridge USY -Up Southbury DSY - Down Southbury
	13 75		
CHESHUNT	14 01		Up Platform - 248m (271 yds) Down Platform - 248m (271 yds) Bay Platform - 168m (178 yds)
Windmill Lane LC (CCTV)	14 07		
Cadmore Lane LC (UWC)	14 32	T	
	15 00 *		
Government LC (UWC)	15 02		
Slipe Lane LC (UWC)	15 65	T	
Wharf Road LC (AHBC-X)	16 05		
	16 65 *		

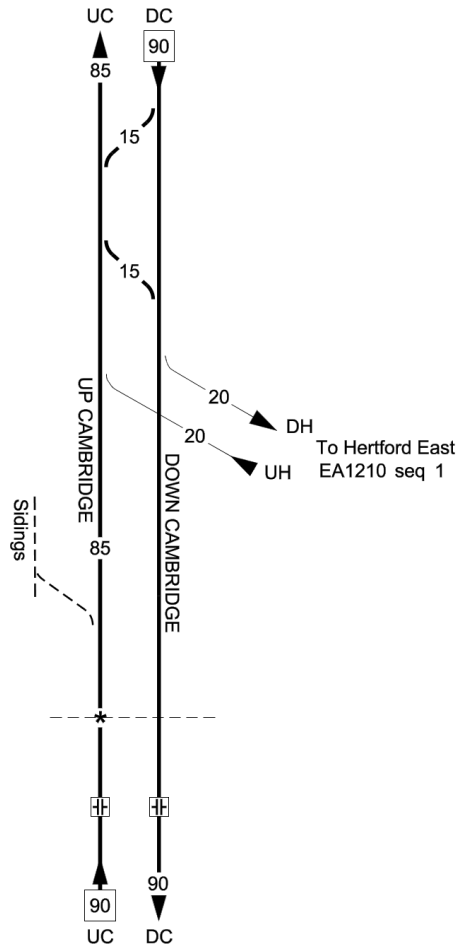
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	009	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	30/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BROXBOURNE	17 03 17 04 17 17		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford DC - Down Cambridge UC - Up Cambridge Cross Track Walkway, Platforms 1-4 17m (516 yds) Platform 1 - 244m (266 yds) Platform 2 - 245m (268 yds) Platform 3 - 247m (271 yds) Platform 4 - 244m (266 yds)
Broxbourne GF	17 24 17 30 * 17 40 * 17 54		DPL 416m (455 yds) UPL 224m (245yds) UGL 416m (455 yds) PF

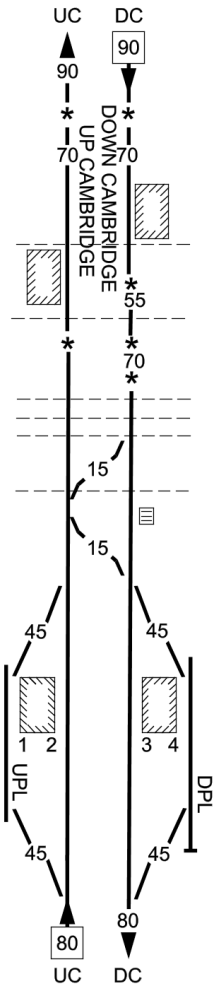
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	010	Bethnal Green East Jn to Bishops Stortford	BGK HEB	Anglia	18/09/2022

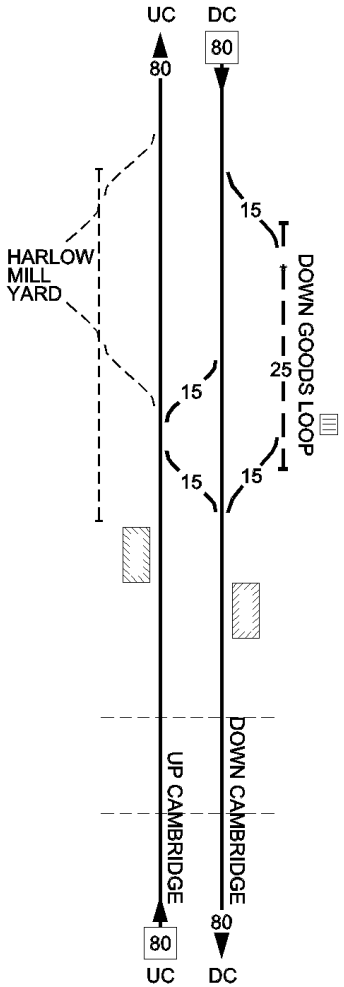
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford DC - Down Cambridge UC - Up Cambridge UH - Up Hertford DH - Down Hertford
Broxbourne Jn	18 38		
Broxbourne CEGB sidings	18 65		
Creasey's LC (UWC)	19 05 *	T	
OHNS	19 13		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	011	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	31/08/2016

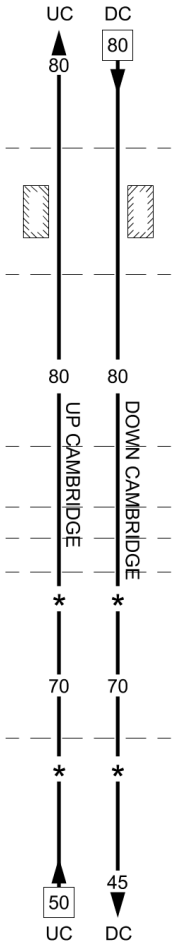
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
	19	40 *		DC - Down Cambridge UC - Up Cambridge
ROYDON	20	09		Down platform - 170m (184 yd)
Roydon Station LC (CCTV)	20	10		
	20	28 *		Up platform - 172m (185 yd)
Roydon Lock LC (UWC)	20	30	T	
	20	32 *		
	20	45 *		
Wildes LC (FPS)	21	02		
Camps LC (UWC)	21	23	T	
Sadlers LC (FPS)	21	45		
Pardon Mill LC (FP)	22	09		
Harlow Town GF	22	40		
	22	45		
HARLOW TOWN	22	59		Platform 1 - 251m (271 yd) Platform 2 - 251m (271 yd) Platform 3 - 251m (271 yd) Platform 4 - 251m (271 yd) DPL 416m (455yds) UPL 416m (455yds)
	22	79		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	012	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	06/06/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
	23 75		DC - Down Cambridge UC - Up Cambridge
			DGL 564m (616yds) PF
Harlow Mill GF	24 20		
HARLOW MILL	24 36		Up platform - 168m (182 yd) Down platform - 168m (182 yd)
Robarts I LC (UWG)	25 20	T	
Robarts III LC (UWG)	25 63	T	

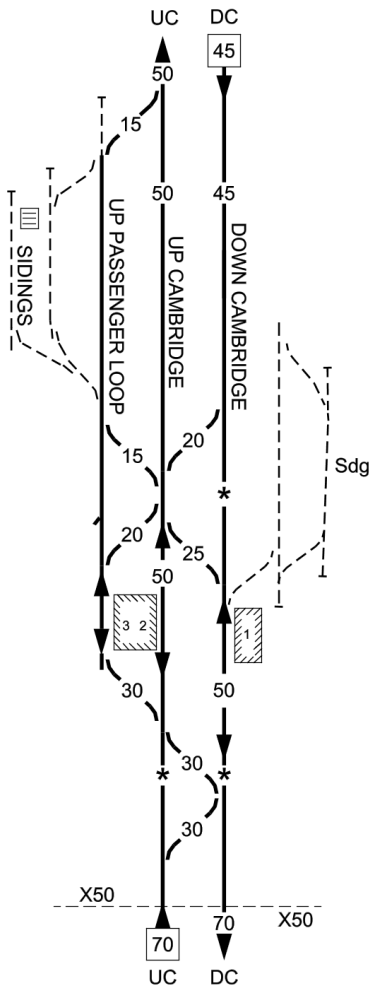
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	013	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	18/09/2021

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
Sawbridgeworth LC (CCTV)	26	53			
SAWBRIDGEWORTH	26	57			Up platform - 281m (308yds) Down platform - 249m (273yds)
Tednambury LC (FP)	27	72			
					DC - Down Cambridge UC - Up Cambridge
Spellbrook LC (CCTV)	28	17			
Pattens LC (FP)	28	52			
Fowlers LC (UWC)	28	73		T	
Gilston LC (FP)	28	79			
	29	17	*		
Twyford Road LC (FP)	29	61			
	29	66	*		

Anglia Route Sectional Appendix Module AR2

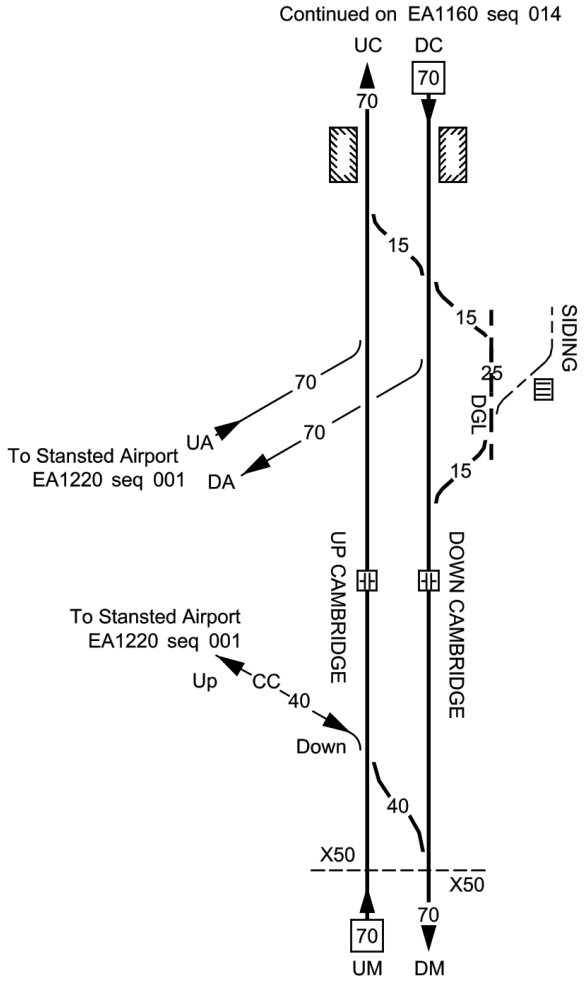
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1160	014	Bethnal Green East Jn to Bishops Stortford	BGK	Anglia	02/04/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
GF	29 71		DC - Down Cambridge UC - Up Cambridge
	30 12 *		
BISHOPS STORTFORD	30 27		Platform 1 - 251m (271 yds) PP-A (Down) Platform 2 - 251m (271 yds) PP-A Platform 3 - 251m (271 yds) PP
	30 41 *		
Cannons Mill Lane Footpath LC (R/G-X)	31 31		

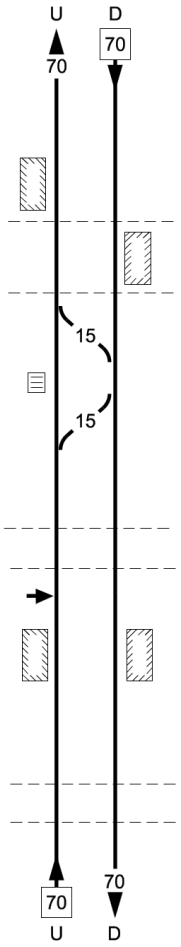
Continued on EA1161 seq 01

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	001	Bishops Stortford to Ely North Jn	BGK	Anglia	26/03/2017

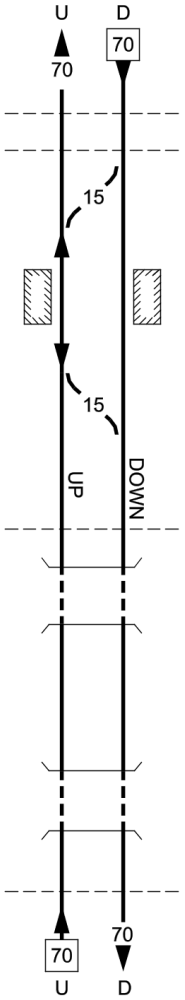
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
STANSTED MOUNTFITCHET	33 28		Up platform - 255m (279yds) Down platform - 255m (279yds)
			DC - Down Cambridge UC - Up Cambridge UA - Up Airport DA - Down Airport CC - Cambridge Cord
Stansted South Jn	33 54		DGL 429m (469yds) PF
OHNS	34 10		
Stansted North Jn	34 30		
Fullers End Footpath LC (R/G-X)	34 67		Down Cambridge and Up Cambridge as far as 35 M.P. Down Main and Up Main from 35 M.P.

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	002	Bishops Stortford to Ely North Jn	BGK	Anglia	31/03/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
ELSENHAM	35 45		Up platform -165m (179 yd)
Elsenham LC (MCG)	35 45		
			Down platform -167m (181 yd)
Elsenham Emergency Hut LC (FPW)	35 63		
Elsenham GSP	35 64		
Henham LC (FPW)	37 72		
Hogs Croft LC (UWC)	38 73	T	HABD Up main line, near signal CA34 at 39m 48ch
NEWPORT	39 72		Up platform - 168m (182yd) Down platform - 167m (181yd)
Elephants LC (FPS)	40 13		General instruction applies at the following bridges: Newport Viaduct (Bridge 1514) at 40m 36ch.
Dixies LC (FPS)	40 59		London Road (Bridge 1515) at 40m 42ch.

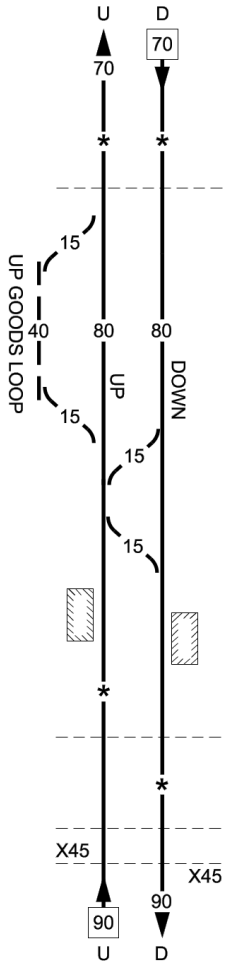
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	003	Bishops Stortford to Ely North Jn	BGK	Anglia	26/03/2017

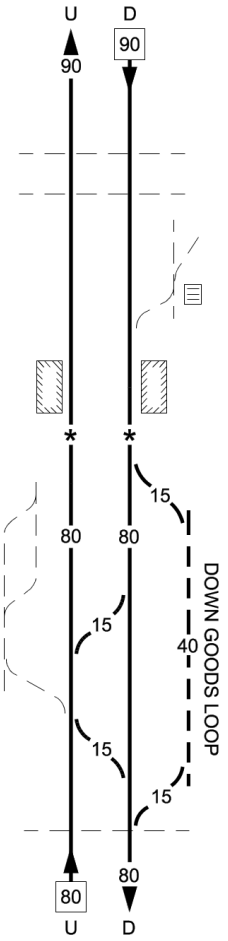
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
Windmills LC (FPS)	41 26		
Trees LC (CCTV)	41 31		
AUDLEY END	41 55		Up platform - 248m (268yd) Down platform - 248m (268yd)
Wallaces LC (FPW)	42 38		
Audley End Tunnel (456 yards)	42 70 to 43 11		General instruction for broken rails applies at Audley End & Littlebury Tunnels
Littlebury Tunnel (407 yards)	43 27 to 43 46		
Littlebury Gate House LC (FPW)	43 60		

Anglia Route Sectional Appendix Module AR2

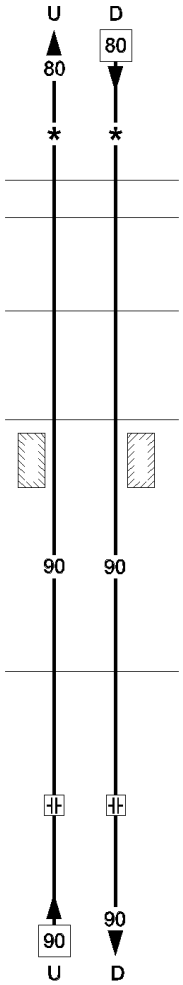
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	004	Bishops Stortford to Ely North Jn	BGK	Anglia	07/02/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
	43 50 *		
Fairheads LC (R/G) (UWC)	45 06		
			UGL 512m (560yds) PF
GREAT CHESTERFORD	45 56		Up platform - 167m (180yd) Down platform - 167m (180yd)
	45 60 *		
Ickleton Rd LC (CCTV)	45 75		General instruction applies at Ickleton Rd bridge (1530) at 45m 76ch
	46 20 *		
Kings LC (UWC)	46 36	T	
Ickleton Mill Lane LC (FPW) (R/G)	46 65		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	005	Bishops Stortford to Ely North Jn	BGK	Anglia	07/02/2023

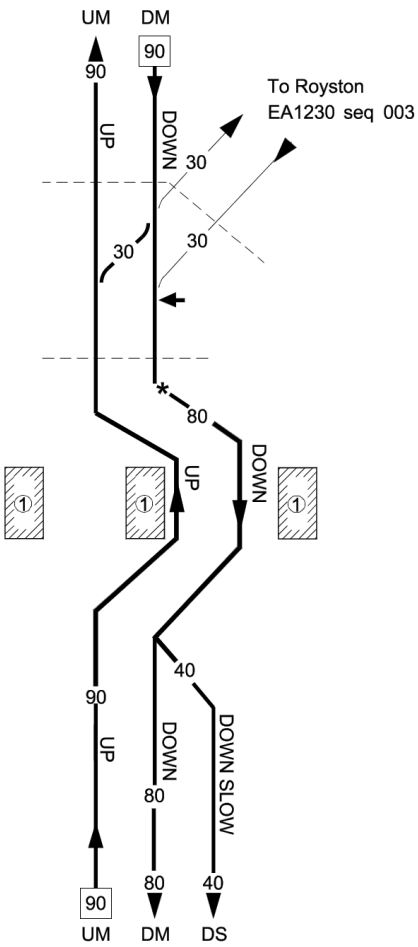
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
Hinxton LC (MCB-OD)	47 11		
Duxford LC (AHBC)	47 62		
Duxford CIBA Geigy sidings	48 00		
WHITTLESFORD PARKWAY	49 01		Up platform -254m (275 yd) Down platform -254m (275 yd)
	49 04 *		
Crossover	49 46		DGL 512m (560yds) PF
Della LC (UWC)	49 54	T	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	006	Bishops Stortford to Ely North Jn	BGK	Anglia	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Cambridge SB (CA) RA8 AC: Romford GSM-R CSR 49
	49 60 *		
Sawston LC (UWC)	49 75	T	
Sawston LC (CCTV)	50 46		
Dernford LC (R/G) (UWC)	51 36		
Shelford LC (CCTV)	52 32		
SHELFORD	52 36		Up platform - 180m (195 yd) Down platform - 180m (195 yd)
Granhams LC (CCTV)	52 64		
OHNS	52 69		

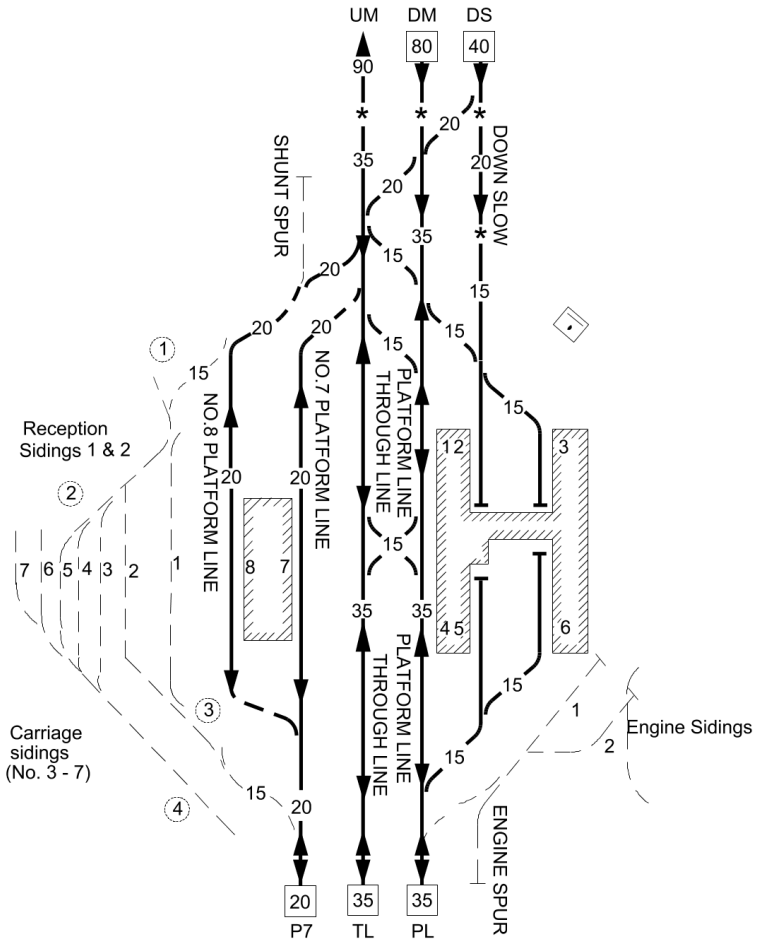
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	007	Bishops Stortford to Ely North Jn	BGK	Anglia	02/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
Websters LC (UWC)	53 00	T	
Shepreth Branch Jn	53 06		HABD Down Main line, near signal CA141 at 53m 10ch
Dukes No. 2 LC (UWC)	53 34	T	
	53 63 *		
	54 12		① New Cambridge South Station platforms under construction
			Down Slow Loop 729m (798yds)

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	008	Bishops Stortford to Ely North Jn	BGK	Anglia	31/05/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Cambridge (CA) SB	55 20 *		GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
	55 30 *		
	55 35		
CAMBRIDGE	55 52		Platform 1 - 255m (278 yd) PP-A Platform 2 - 207m (224 yd) PP Platform 3 - 166m (179 yd) PP Platform 4 - 220m (237 yd) PP-A Platform 5 - 121m (132 yd) PP Platform 6 - 145m (157 yd) PP Platform 7 - 270m (295 yd) PP-A Platform 8 - 270m (295 yd) PP-A

1 Reception South

2 Post Office Ladder

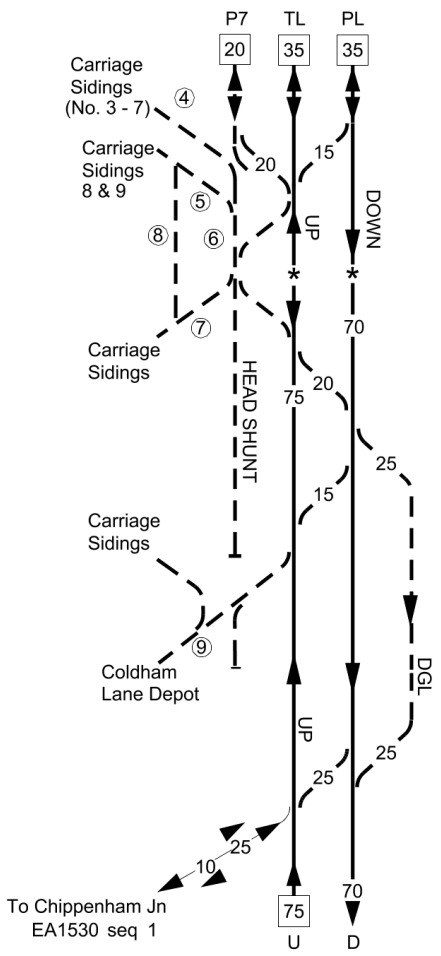
3 Reception North

4 Fletchers Terrace Ladder

P7 - Platform 7 line

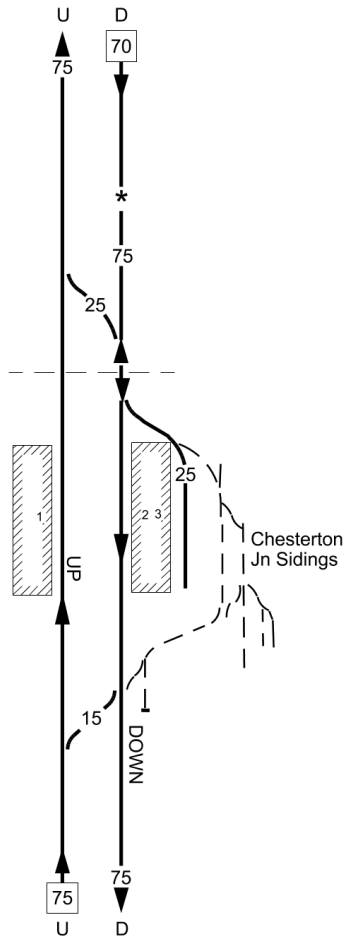
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	009	Bishops Stortford to Ely North Jn	BGK	Anglia	13/12/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8 AC: Romford P7 - Platform 7 line ④ Fletchers Terrace Ladder ⑤ Chisholm Line ⑥ Bypass Road ⑦ Cavendish Road Ladder ⑧ Wash Road
	56 03 *		
Coldham Lane Jn	56 51		⑨ Coldham Lane Ladder DGL 570m (623yds) PF

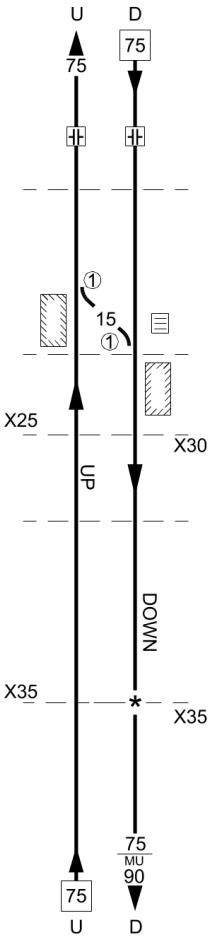
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	010	Bishops Stortford to Ely North Jn	BGK	Anglia	06/09/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
	57 10 *		
Chesterton LC (CCTV)	57 54		
Chesterton Jn	57 56		
CAMBRIDGE NORTH	57 75		Platform 1 - 254m (278 yd) Platform 2 - 254m (278yd) Platform 3 - 254m (278 yd) PP

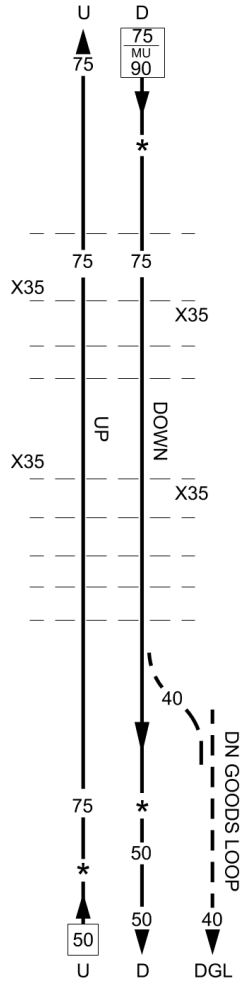
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	011	Bishops Stortford to Ely North Jn	BGK	Anglia	08/11/2020

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Cambridge SB (CA) RA8 AC: Romford ① All movements proceeding from the Up Main to the Down Main through the Waterbeach GSP crossover must not proceed at more than 15 m.p.h. until clear of Burgess Drove LC (R/G-X)
OHNS	58	71			
Milton Fen LC (AHBC)	59	10			
Waterbeach GSP	60	78			Up platform - 167m (183 yds)
Waterbeach LC (AHBC)	61	00			Down platform - 167m (183 yds)
WATERBEACH	61	01			
Burgess Drove LC (R/G-X)	61	20	T		
Bottisham Road LC (AHBC)	61	48			
Bannolds LC (AHBC-X)	62	70	*		

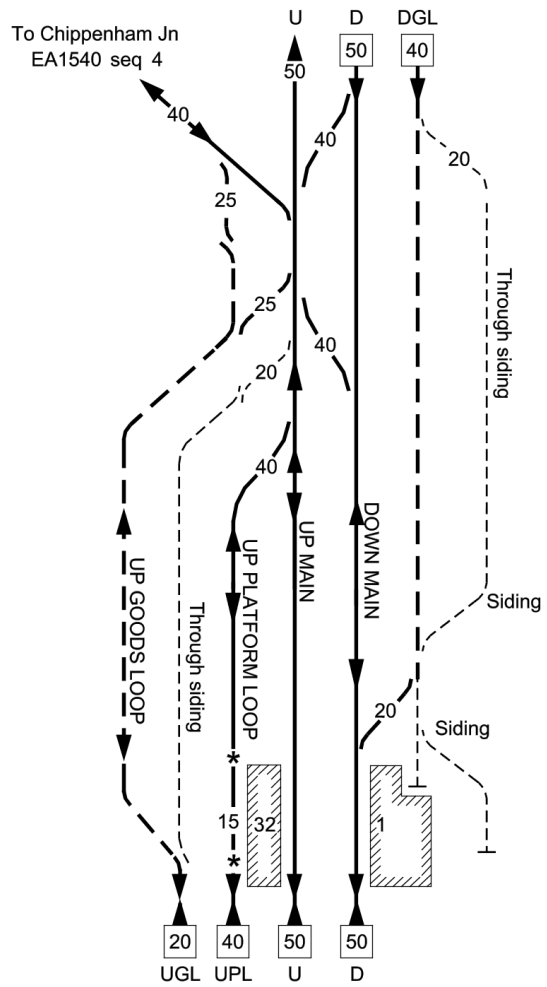
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	012	Bishops Stortford to Ely North Jn	BGK	Anglia	02/02/2019

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
	65	40 *		
Nairns (No.117) LC (UWC)	65	46 T		
Dimmocks Cote LC (AHBC-X)	66	25		
Hopkins Celery LC (FPO)	66	55		
West River Bridge LC (FPS)	67	22		
Ely West River Bridge LC (R/G-X)(UWC)	68	13		
Kisby LC (UWC)	68	65		
Bedford (No.124) LC (UWC)	69	08 T		
Braham Farm LC (FPS)	69	16		
Bedford (No.125) LC (UWC)	69	20 T		
	69	33		
	69	67 *		Down Goods Loop - PF
	69	70 *		

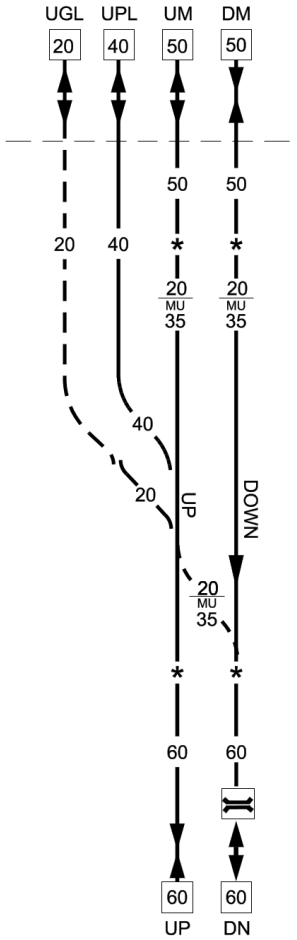
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	013	Bishops Stortford to Ely North Jn	BGK	Anglia	13/05/2017

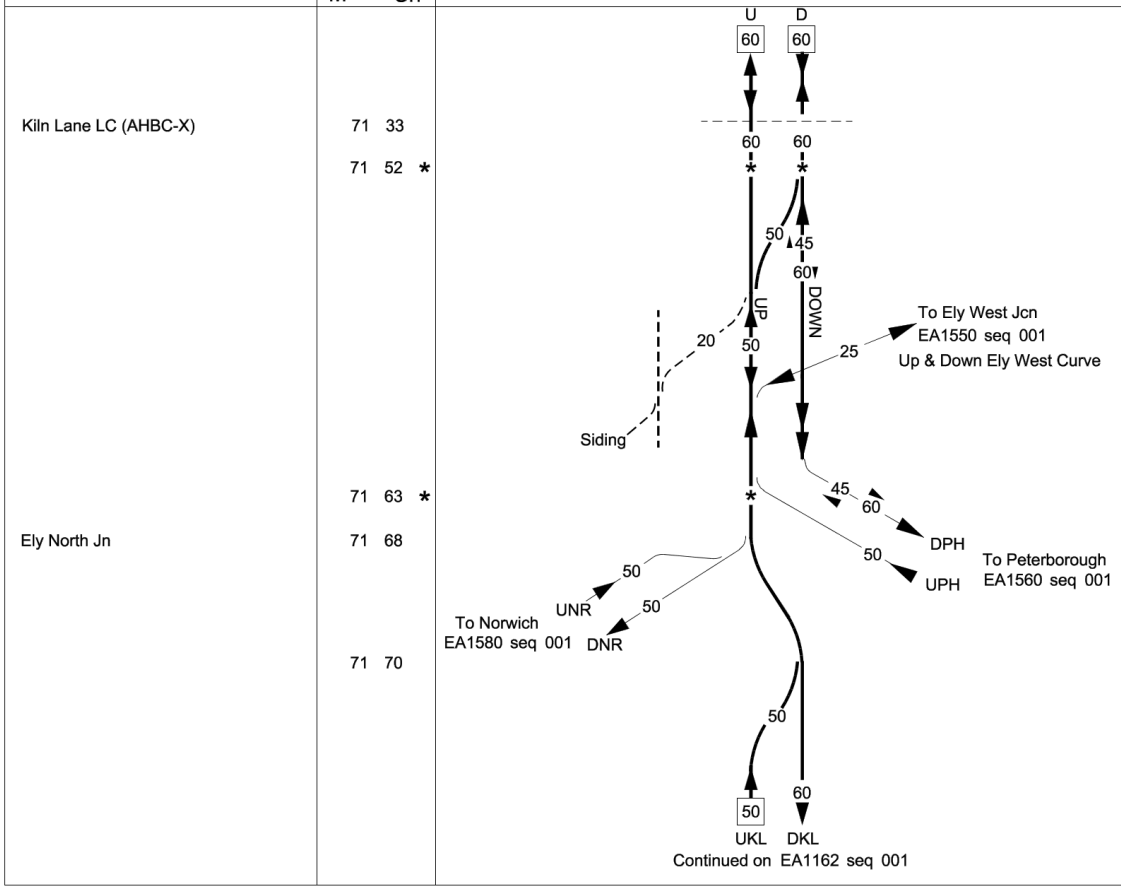
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ely Dock Jn	69 79		GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
	70 20 *		
ELY	70 30		Platform 1 - 256m (277 yd) PP Platform 2 - 256m (277 yd) PP Platform 3 - 256m (277 yd) PP
	70 35 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	014	Bishops Stortford to Ely North Jn	BGK	Anglia	21/01/2024

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Cambridge SB (CA) RA8 AC: Romford
Ely station North LC (CCTV) ①	70	38		General instruction applies at Stuntney Road, Ely Station (1568) at 70m 36ch
	70	40 *		① Out of use
	70	70 *		
MPCO Zone Commencement DM	71	09		MPCO (See General Instructions)



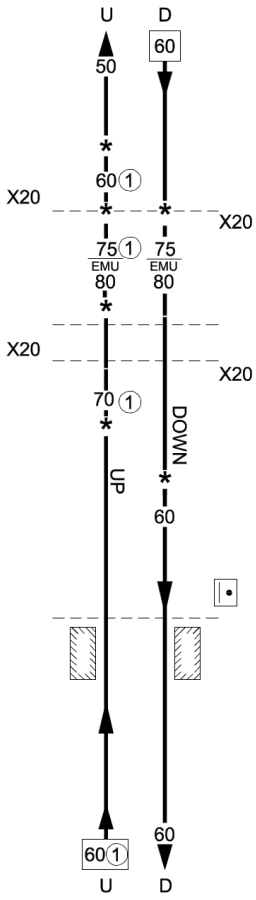
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1161	015	Bishops Stortford to Ely North Jn	BGK	Anglia	08/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Kiln Lane LC (AHBC-X)	71 33		GSM-R TCB Cambridge SB (CA) RA8 AC: Romford UPH - Up Peterborough DPH - Down Peterborough UNR - Up Norwich DNR - Down Norwich UKL - Up Kings Lynn DKL - Down Kings Lynn FWS (SATWS) provided between BGK 71m 10ch and EA1550 EWC EA1560 EMP EA1580 ETN EA1162 BGK
	71 52 *		
	71 63 *		
Ely North Jn	71 68		
	71 70		

Anglia Route Sectional Appendix Module AR2

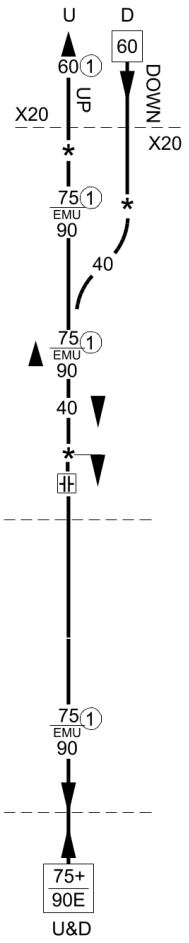
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1162	001	Ely North Jn to Kings Lynn	BGK	Anglia	08/01/2024

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
				Continued on EA1161 seq 15	TCB Cambridge SB (CA) RA8 AC: Romford GSM-R
	71	75	*		FWS (SATWS) provided from BGK (UP) 72m 66ch and EA1550 EWC EA1560 EMP EA1580 ETN EA1161 BGK
Queen Adelaide LC (AHBC-X)	72	18	*		
	75	23	*		① Up trains conveying vehicles with 15 feet wheelbase or less not to exceed 35 m.p.h.
Clayway (FP)	75	25			Littleport SB (L)
Sandhill LC (AHBC-X)	75	35			
	75	70	*		
	75	71	*		
Littleport (L) SB	75	79			
Littleport LC (MCG)	76	00			
LITTLEPORT	76	00			Up platform - 86m (93 yd) Down platform - 167m (183 yd)



Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1162	002	Ely North Jn to Kings Lynn	BGK	Anglia	01/01/2022

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Littleport SB (L) RA8 AC: Romford
Littleport Bypass LC (AHBC-X)	76	27		
	76	28 *		
	76	30 *		
				① Up trains conveying vehicles with 15 feet wheelbase or less not to exceed 35 m.p.h.
Single Line	76	36		
	76	40 *		
OHNS	76	52		
Poplar Drove LC	76	71	T	
Black Horse Drove LC (R/G)	79	19	T	Downham Market SB (DM)

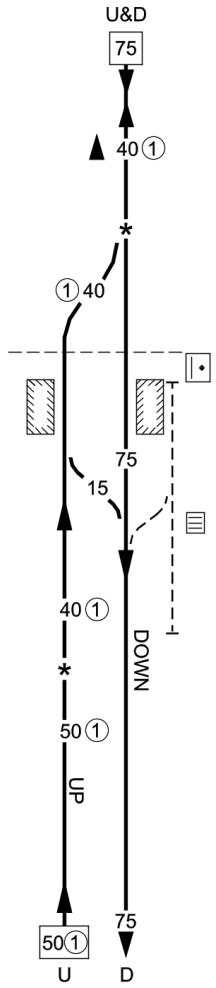
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1162	003	Ely North Jn to Kings Lynn	BGK	Anglia	12/11/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		U&D 75 EMU 90	GSM-R TCB Downham Market SB (DM) RA8 AC: Romford
		75 EMU 90 ①	
Hilgay LC (AHBC)	81 38		① Up trains conveying vehicles with 15 feet wheelbase or less not to exceed 35 m.p.h.
Pleasants LC (R/G) (UWC)	81 57		
Concrete Road LC (UWC)	82 29	T	
Martins LC	82 48	T	
	82 67 *	* UP & DOWN	
		75 ①	
Denver LC (AHBC)	84 38		
	85 56 *	*	
Downham Bypass LC (AHBC)	85 57		
		75	
		40 ① U&D	

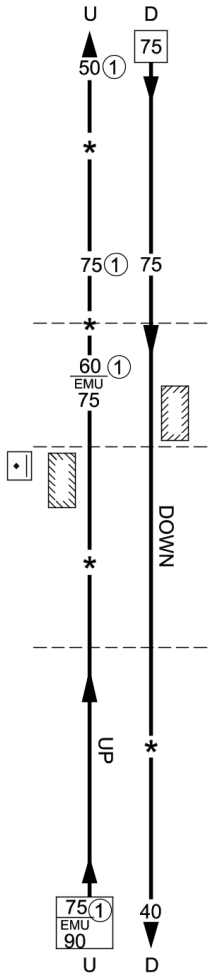
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1162	004	Ely North Jn to Kings Lynn	BGK	Anglia	12/11/2016

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Downham Market SB (DM) RA8 AC: Romford
	85	73 *		① Up trains conveying vehicles with 15 feet wheelbase or less not to exceed 35 m.p.h.
Downham Market Station LC (MCB) Downham Market (DM) SB	86	04		
DOWNHAM MARKET	86	08		Up platform - 183m (198 yd) Down platform - 181m (196 yd)
Downham Market GF	86	15		
	86	16 *		
Fairfields LC	86	31	T	

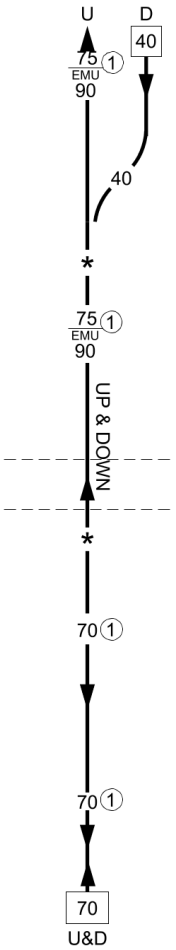
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1162	005	Ely North Jn to Kings Lynn	BGK	Anglia	12/11/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Magdalen Road SB (MR) RA8 AC: Romford
	87 00 *		
Stow Bardolph LC (CCTV)	88 31		① Up trains conveying vehicles with 15 feet wheelbase or less not to exceed 35 m.p.h.
Holme Road LC	89 63 *	T	
WATLINGTON	90 70		
Magdalen Road LC (MCB)	90 73		Down platform - 90m (97 yd)
Magdalen Road (MR) SB	90 73		
	91 00 *		Up platform - 106m (114 yd)
Watlington Road LC (CCTV)	91 13		
	91 15 *		

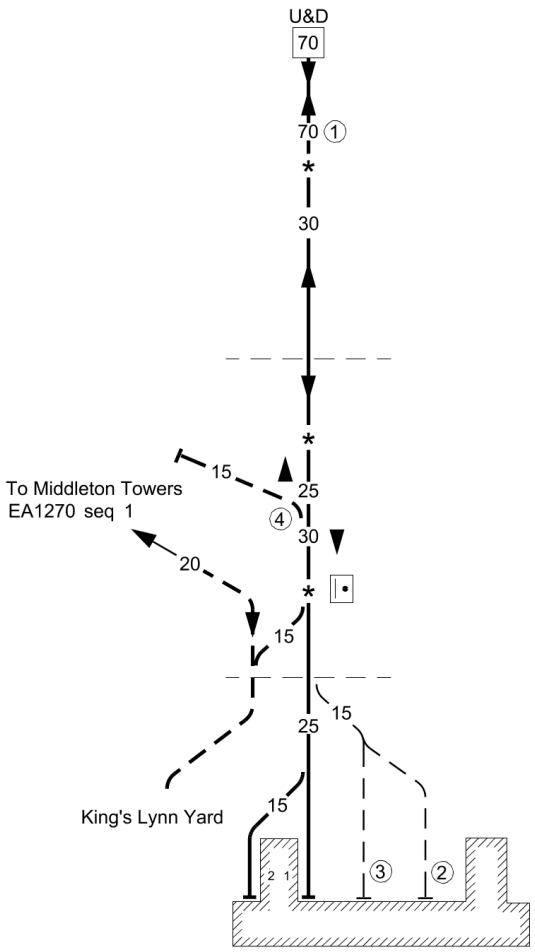
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1162	006	Ely North Jn to Kings Lynn	BGK	Anglia	07/11/2020

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Magdalen Road SB (MR) RA8 AC: Romford
	91	20	*		
					① Up trains conveying vehicles with 15 feet wheelbase or less not to exceed 35 m.p.h.
St Germans LC (AHBC)	92	53			
					Kings Lynn Jn SB (KL)
Hatson LC	94	57	T		
	95	15	*		

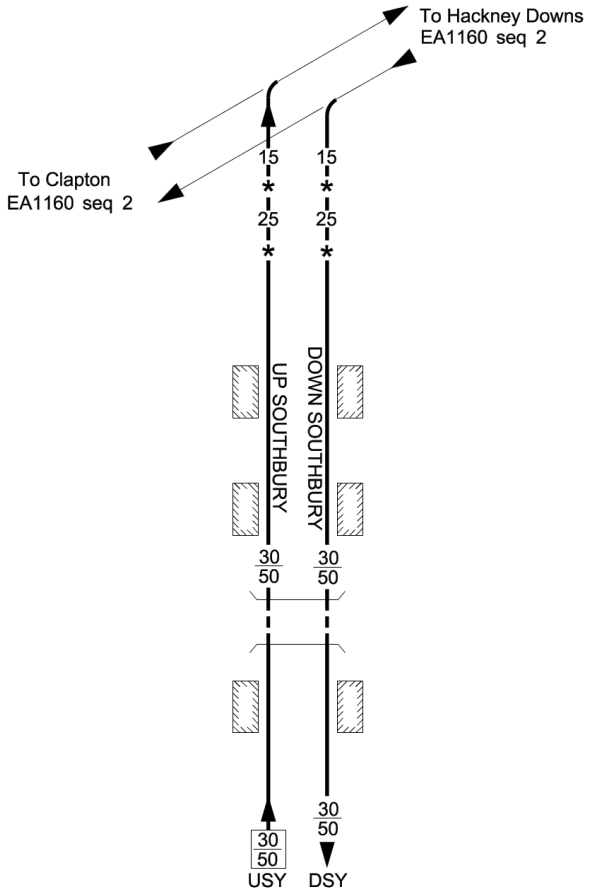
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1162	007	Ely North Jn to Kings Lynn	BGK	Anglia	01/09/2020

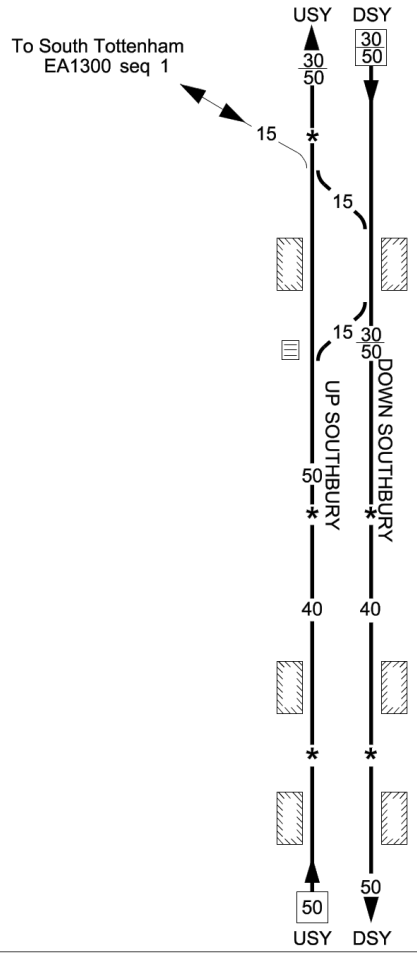
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Kings Lynn Jn SB (KL) RA8 AC: Romford
	96 02 *		① Up trains conveying vehicles with 15 feet wheelbase or less not to exceed 35 m.p.h.
Extons Road LC (CCTV)	96 24		
	96 44 *		
			④ Stabling Siding 188m (205 yds)
King's Lynn Jn (KL) SB	96 50 *		
Tennyson Avenue LC (MCB)	96 54		
			② Carriage Siding No.1 137m (149 yds) ③ Carriage Siding No.2 190m (207 yds)
Kings Lynn Yard			
			Platform 1 - 227m (248 yds) PP Platform 2 - 183m (200 yds) PP
KING'S LYNN	96 75		

Anglia Route Sectional Appendix Module AR2

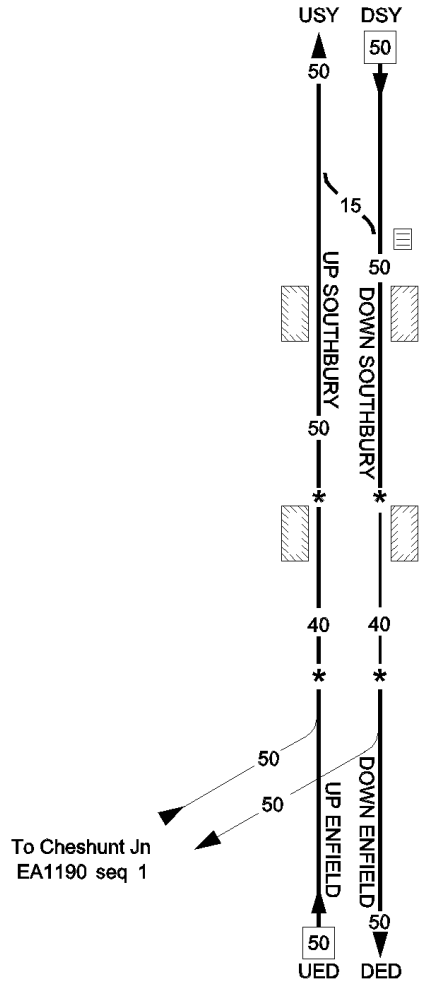
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1170	001	Hackney Downs North Jn to Enfield Town	HDT BGK	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
Hackney Downs North Jn	3 04		
	3 07 *		
	3 13 *		General instruction applies at Downs Road (Bridge 1918) at 3m 42ch
RECTORY ROAD	3 64		Up platform - 186m (201 yd) Down platform - 187m (202 yd)
STOKE NEWINGTON	4 16		Up platform - 151m (163 yd) Down platform - 152m (165 yd)
Stoke Newington Tunnel (60 yards)	4 19 to 4 22		General instruction for broken rails applies at Stoke Newington tunnel.
STAMFORD HILL	5 03		Up platform - 187m (202 yd) Down platform - 186m (201 yd)
			General instruction applies at St. Ann's Road (Bridge 1927) at 5m 16ch
			USY - Up Southbury DSY - Down Southbury

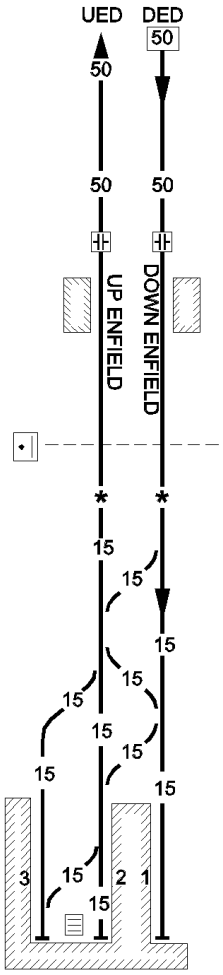
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1170	002	Hackney Downs North Jn to Enfield Town	HDT SSL	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
Seven Sisters Jn	5 39 * 5 40		USY - Up Southbury DSY - Down Southbury
SEVEN SISTERS	5 48		Up platform - 188m (203 yd) Down platform - 184m (200 yd)
Seven Sisters GF	5 52		
	5 75 *		General instruction applies at the following bridges: West Green Road (Bridge 1934) at 5m 54ch Forster Rd Bridge (1937) at 6m 19ch St. Loys Road (Bridge 1939) at 6m 24ch Lordship Lane (Bridge 1943) at 6m 59ch Ruskin Road (Bridge 1944) at 6m 70ch
BRUCE GROVE	6 28		Up platform - 190m (206 yd) Down platform - 190m (206 yd)
WHITE HART LANE	6 43 * 7 11		Up platform - 186m (201 yd) Down platform - 189m (205 yd) General instruction applies at White Hart Lane Bridge (1950) at 7m 16ch

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1170	003	Hackney Downs North Jn to Enfield Town	HDT	Anglia	06/06/2015

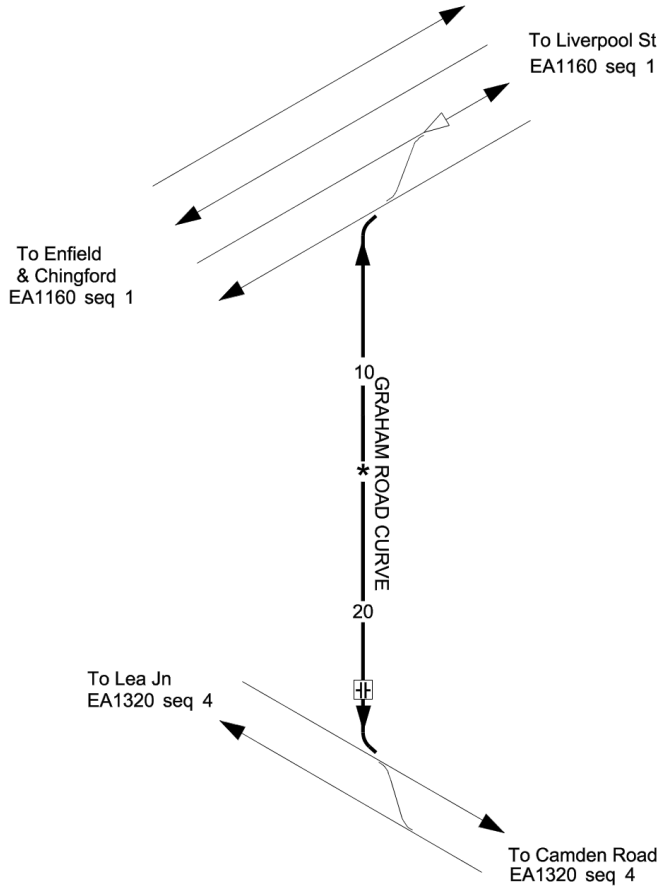
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
			USY - Up Southbury DSY - Down Southbury
White Hart Lane GF	7 36		
SILVER STREET	7 75		Up platform - 188m (204 yd) Down platform - 188m (205 yd) Instruction in Section 1 applies at Park Road (Bridge 1956) at 8m 07ch
	8 40 *		
EDMONTON GREEN	8 45		Up platform - 186m (202 yd) Down platform - 185m (200 yd) General instruction applies at Church Street (Bridge 1960) at 8m 51ch
	8 65 *		
Bury Street Jn	9 20		
			UED - Up Enfield DED - Down Enfield

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1170	004	Hackney Downs North Jn to Enfield Town	ENT	Anglia	06/06/2015

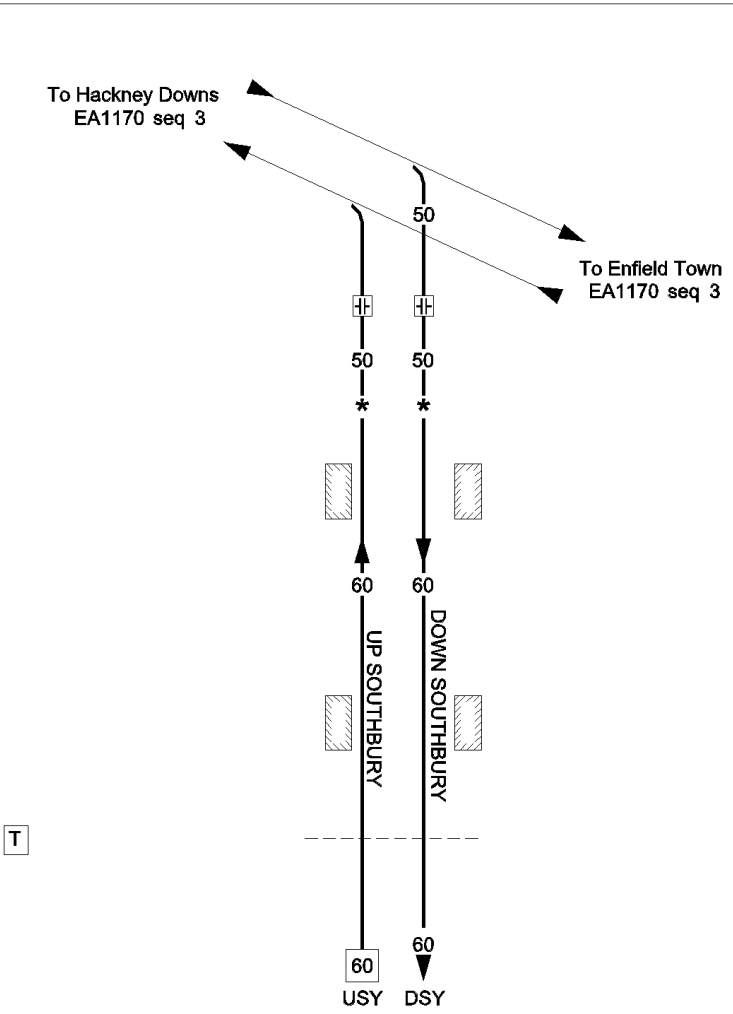
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
			UED - Up Enfield DED - Down Enfield
OHNS	9 30		
BUSH HILL PARK	9 69		Up platform - 187m (202 yd) Down platform - 187m (202 yd)
			Lincoln Road Gate Box not a block post.
Lincoln Road LC (MCG)	10 25		
	10 33 *		
			Permissive working on Nos. 1, 2 and 3 Platform Lines is authorised only for empty coaching stock trains.
ENFIELD TOWN Enfield Town Platform GF	10 55		Platform 1 - 185m (201 yd) Platform 2 - 184m (199 yd) Platform 3 - 186m (201 yd)

Anglia Route Sectional Appendix Module AR2

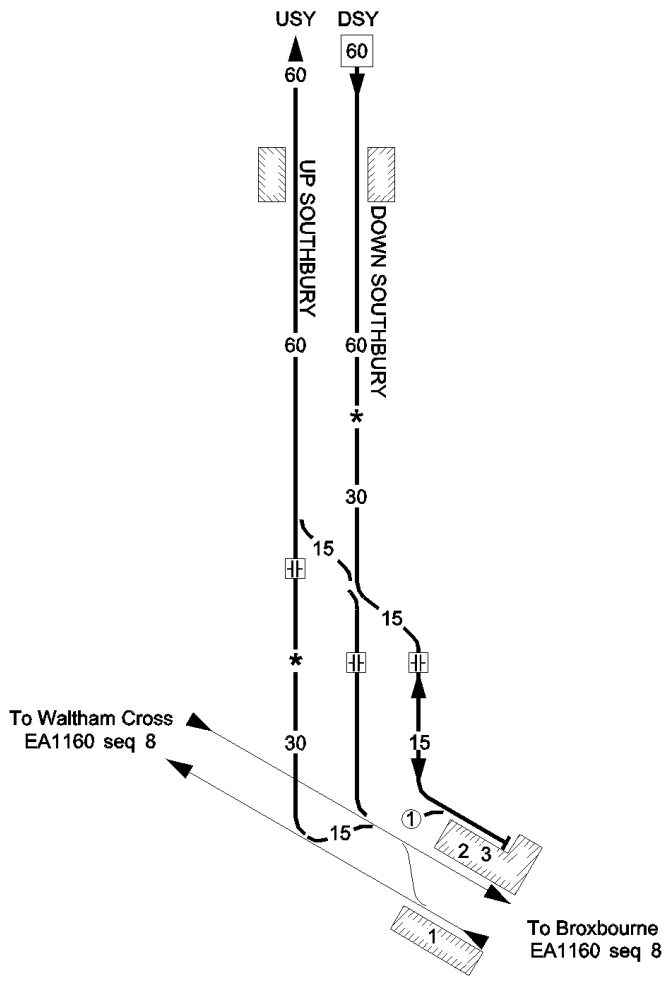
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1180	001	Reading Lane to Navarino Road Jn (Graham Road Curve)	GRE BGK BOK1 DWW1	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Reading Lane Jn	2 55		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford Axle Counter Area
	2 70		
	2 71 *		
OHNS	2 78		Upminster SCC (NL) NLL Eastern Workstation
Navarino Road Jn	2 79		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1190	001	Bury Street Jn to Cheshunt Jn	HDT	Anglia	06/06/2015

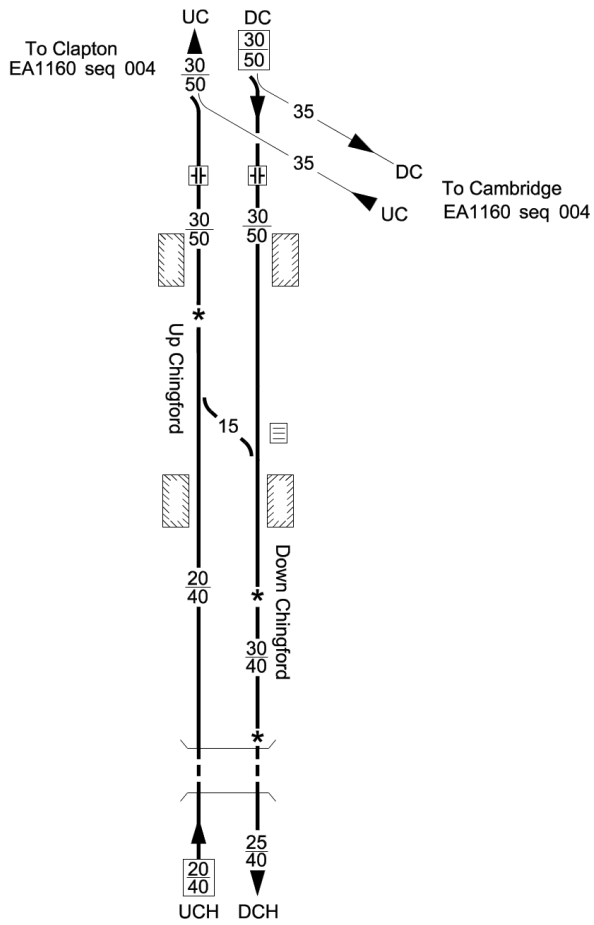
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
Bury Street Jn	9 20		USY - Up Southbury DSY - Down Southbury
OHNS	9 30		
	9 48 *		
SOUTHBURY	10 32		Up platform - 186m (202 yd) Down platform - 186m (202 yd)
			General instruction applies at Turkey Street Bridge (1997) at 12m 09ch
TURKEY STREET	12 16		Up platform - 188m (204 yd) Down platform - 188m (204 yd)
Park Lane LC (BW)	13 15	T	

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1190	002	Bury Street Jn to Cheshunt Jn	HDT	Anglia	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Liverpool St IECC (L) RA8 AC: Romford GSM-R CSR 96
THEOBALDS GROVE	13 45		Up platform - 189m (205 yd) Down platform - 191m (207 yd)
	14 19 *		USY - Up Southbury DSY - Down Southbury
OHNS	14 25		
OHNS	14 27 *		
Cheshunt Jn	14 28		① Out of use
	(13 71)		
CHESHUNT			

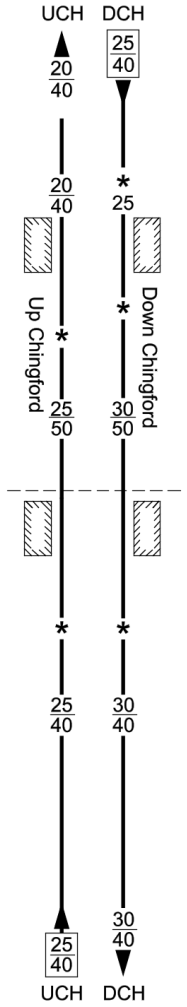
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1200	001	Clapton Junction to Chingford	CJC BGK	Anglia	20/08/2022

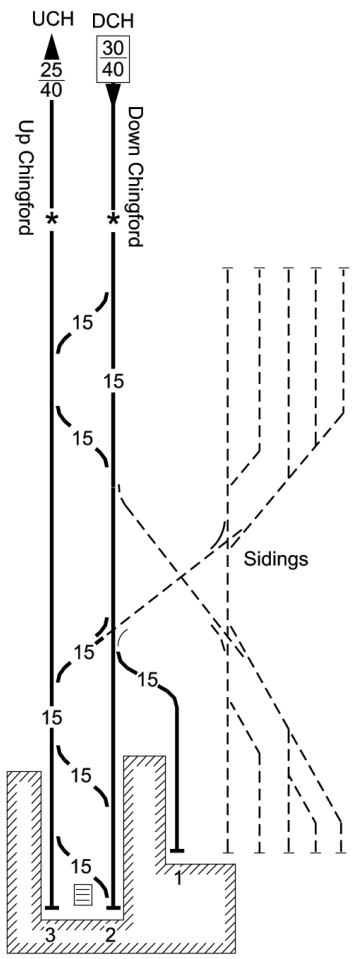
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA7 AC: Romford
Clapton Jn.	4 37		UC = Up Cambridge DC = Down Cambridge
OHNS	4 46		
ST. JAMES STREET	5 55		Up platform - 187m (204yd) Down platform - 188m (205yd)
	5 67 *		
Walthamstow GF	6 12		
WALTHAMSTOW CENTRAL	6 16		Up platform - 188m (205yd) Down platform - 184m (201yd)
	6 44 *		
Hoe Street Tunnel (71 yards)	6 49 * to 6 52		General instruction for broken rails applies at Hoe Street tunnel.
			UCH = Up Chingford DHC = Down Chingford

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1200	002	Clapton Junction to Chingford	CJC	Anglia	02/04/2017

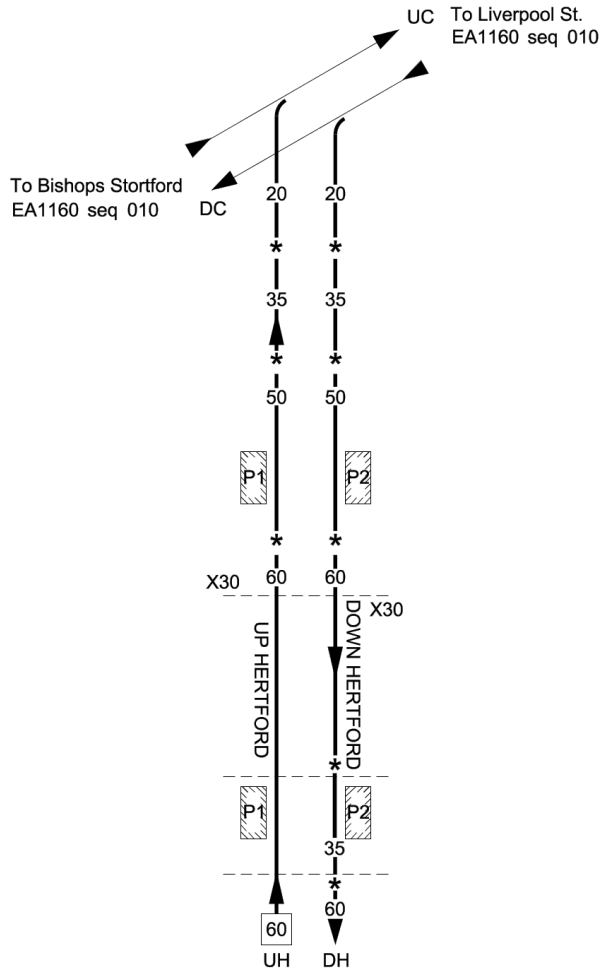
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA7 AC: Romford UCH = Up Chingford DCH = Down Chingford
	7 01 *		
WOOD STREET	7 07		Up Platform - 186m (203yd) Down Platform - 186m (203yd)
	7 25 *		
	7 30 *		
Highams Park LC (CCTV)	8 45		
HIGHAMS PARK	8 52		Up Platform - 180m (196yd) Down Platform - 186m (203yd)
	9 60 *		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1200	003	Clapton Junction to Chingford	CJC	Anglia	02/04/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	10 07 *		TCB Liverpool St IECC (L) RA7 AC: Romford GSM-R
CHINGFORD Chingford Platform GF	10 33		Platform 1 - 167m (183yd) PP Platform 2 - 193m (211yd) PP Platform 3 - 186m (203yd) PP

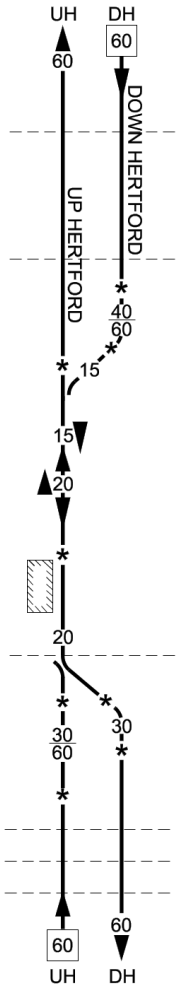
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1210	001	Broxbourne Jcn to Hertford East	HEB	Anglia	30/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA9 AC: Romford UC = Up Cambridge DC = Down Cambridge
Broxbourne Jn	18 35		
	18 40 *		
	18 50 *		
RYE HOUSE	18 71		Up Platform 1 - 186m (202 yds) Down Platform 2 - 170m (184 yds)
	19 20 *		
Cranbourne LC (R/G-X)	19 42	T	
	20 22 *		
St Margarets LC (CCTV)	20 23		
ST MARGARETS	20 25		Up Platform 1 - 199m (217 yds) Down Platform 2 - 167m (182 yds)
Maltings LC (UWC)	20 39	T	
	20 40 *		

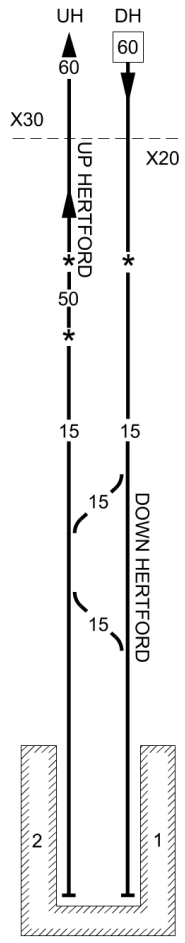
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1210	002	Broxbourne Jcn to Hertford East	HEB	Anglia	30/08/2022

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Liverpool St IECC (L) RA9 AC: Romford UH - Up Hertford DH - Down Hertford
Amwell Marsh LC (UWC)	20	75	T	
Hardmead LC (UWC)	21	36	T	
	21	43 *		
	21	78 *		
	22	00 *		
Single Line	22	04		
	22	06 *		
WARE	22	16		Platform - 276m (301 yds)
Ware LC (CCTV)	22	21		
	22	22 *		
	22	26 *		
	22	54 *		
Kings Mead LC (FPK)	22	58		
New River LC (FPS)	22	73		
Viaduct Maintenance LC (UWC)	23	13	T	

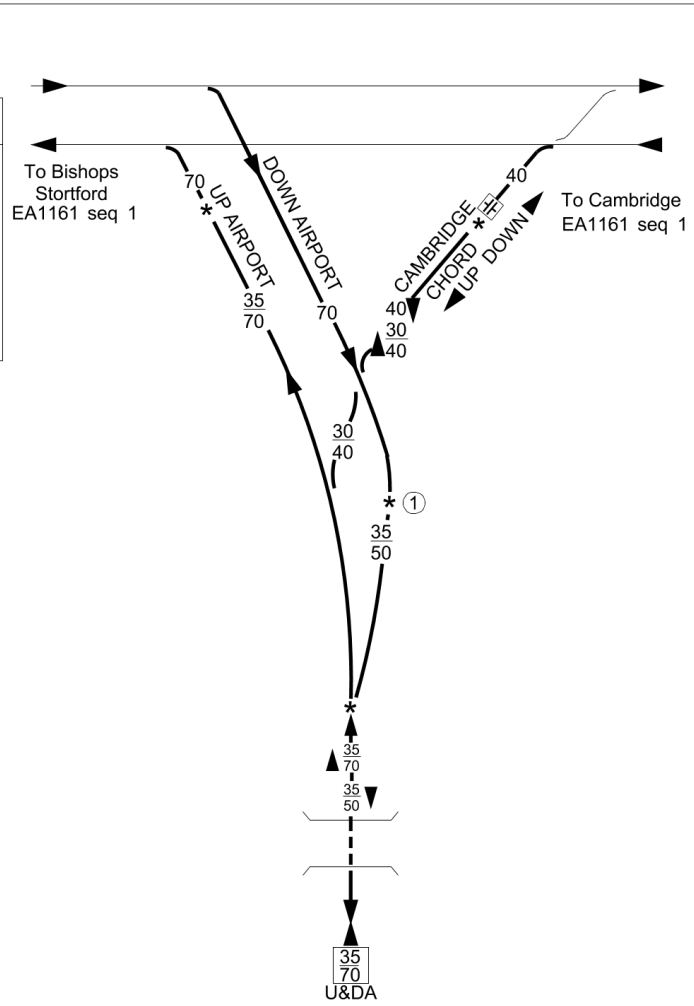
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1210	003	Broxbourne Jcn to Hertford East	HEB	Anglia	30/08/2022

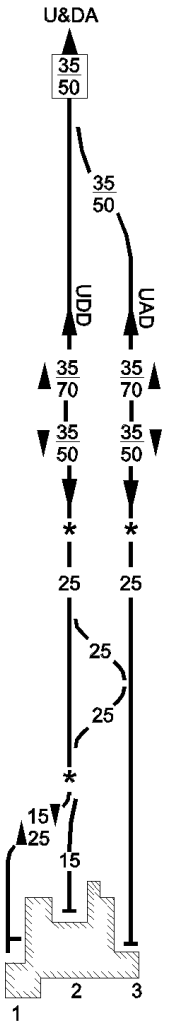
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA9 AC: Romford UH - Up Hertford DH - Down Hertford
Mead Lane FP (R/G-X)	23 57		
	23 73 *		
	23 78 *		
HERTFORD EAST	24 19		Platform 1 - 249m (272 yd) PP Platform 2 - 249m (272 yd) PP

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1220	001	Stansted South & North Jn's to Stansted Airport	TLA BGK TEN	Anglia	27/08/2022

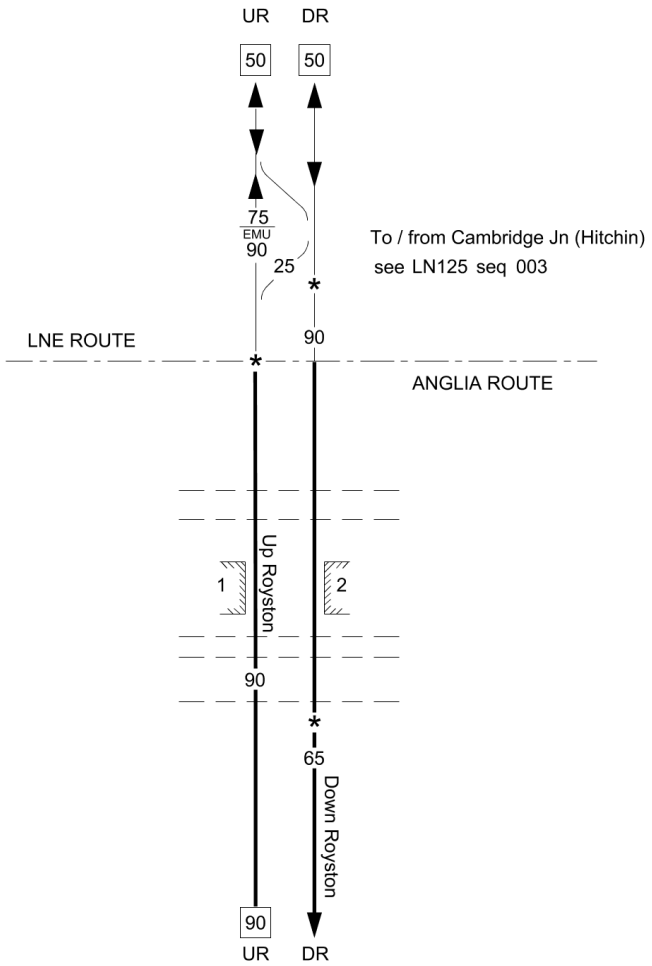
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
	Airport Lines / Cambridge Chord		
Stansted South Jn	33 54		
Stansted North Jn	0 00		
OHNS	33 66 * / 0 10 *		
Stansted East Jn	34 26 / 0 49		
	34 45 *		① AWS magnet not provided at the permissible speed change warning indicator
Tye Green Jn	35 06 *		
Stansted Airport Tunnel (1944 yds)	35 15 to 36 23		General instruction for broken rails applies at Stansted Airport tunnel.
			U&DA - Up & Down Airport

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1220	002	Stansted South & North Jn's to Stansted Airport	TLA	Anglia	06/06/2015

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Coopers Lane Jn	36 57 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford U&DA - Up & Down Airport UAD - Up Arrival Down UDD - Up Departure Down
	36 62 *		
STANSTED AIRPORT	36 67	Platform 1 Buffer Stop position 37m 04ch (101yds)	Platform 1 - 359 metres (393yds) PP Platform 2 - 106 metres (117yds) PP Platform 3 - 291 metres (315yds) PP

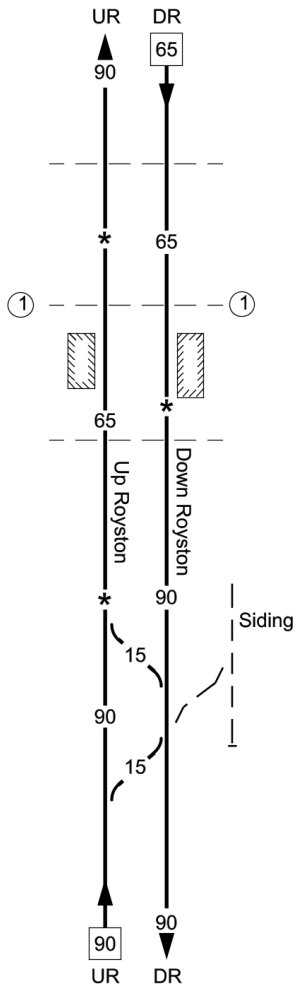
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1230	001	Royston to Shepreth Branch Jn	SBR	Anglia	26/08/2019

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB York ROC (KX) RA9 Hitchin Workstation AC: York UR = Up Royston DR = Down Royston Cambridge SB (CA)
	45 26	*		
TERRITORY BOUNDARY	45 60			
	45 60	*		
No Name 20 LC (FPS)	47 51			
MELDRETH	47 75			Up platform - 128m (138yds) Down platform - 128m (138yds)
Flambards LC (FP)	48 12			
College Farm LC (UWCT)	48 53	T		
Cam Farm LC (UWCT)	48 70	T		
	49 22	*		

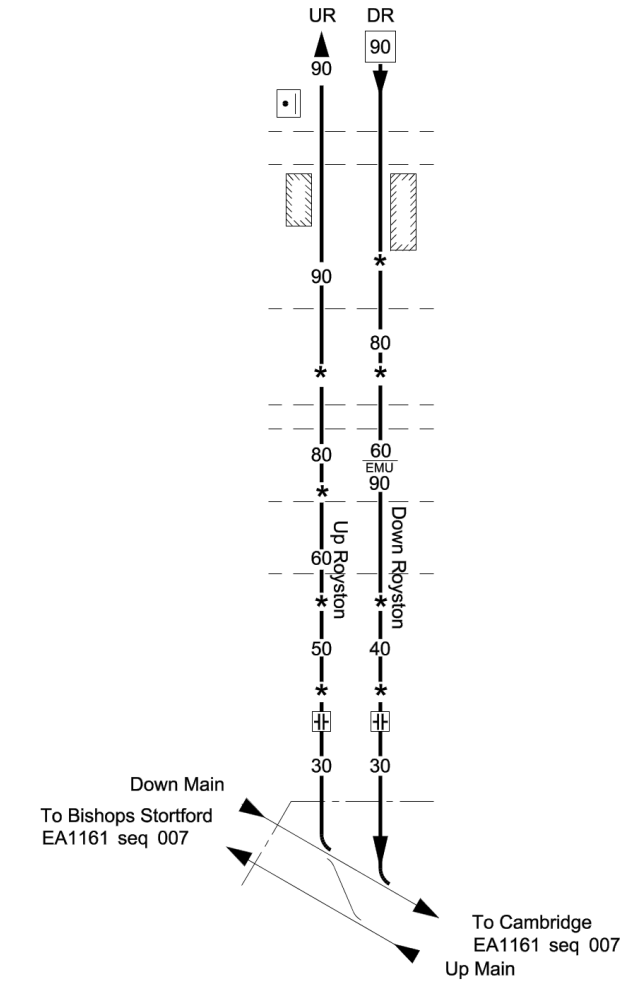
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1230	002	Royston to Shepreth Branch Jn	SBR	Anglia	14/05/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA9 AC: York
Meldreth Road LC (AHBC)	49 37		
	49 40 *		
Shepreth LC (CCTV)	49 63		① Supervised from Foxton Gate Box
SHEPRETH	49 67		Up platform - 97m (105yds) Down platform - 171m (187yds)
	50 00 *		
Angel Lane LC (R/G)	50 05		
	50 15 *		

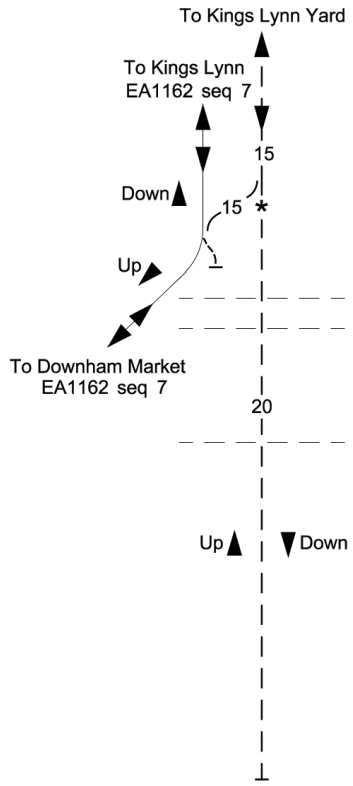
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1230	003	Royston to Shepreth Branch Jn	SBR BGK	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA9 AC: York
Foxton Gate Box	50 73		
Barrington LC (FPW)	50 73		
Foxton LC (MCB)	50 74		Foxton Gate Box not a Block Post
FOXTON	50 77		Up platform - 105m (113yds) Down platform - 174m (190yds)
	51 60 *		
Hayes LC (UWC)	52 02	T	
	52 40 *		
Harston LC (AHBC)	52 46		
No Name 37 LC (FPW)	52 75		
	53 78 *		
Hauxton LC (AHBC)	54 01		
Rectory Farm LC (UWC)	54 45	T	
	54 72 *		
	55 18 *		
OHNS	55 20		
Websters LC (UWC)	55 23	T	
	(53 03)		
Shepreth Branch Jn.	55 26		AC: Romford
	53 06		

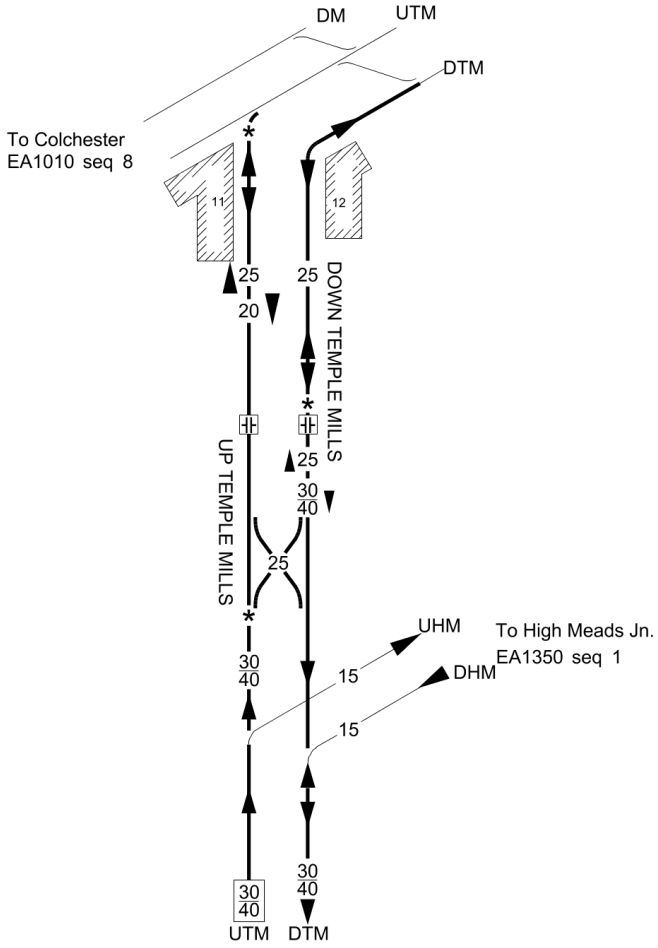
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1270	001	Kings Lynn Jn to Middleton Towers	MIT BGK	Anglia	30/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R OTS RA8 Klngs Lynn Jn SB (KL) TPWS is not provided on this route AWS not provided
Kings Lynn Jn.	96 50		
	0 22 *		
Seamans No.3 LC (UWC)	1 74		Stabling Siding 188m (205yds)
Seamans No.4 LC (UWC)	2 24		
Middleton Towers LC No.6 (TMO)	3 11		
(Network Rail boundary)			
Middleton Towers	3 44		

Anglia Route Sectional Appendix Module AR2

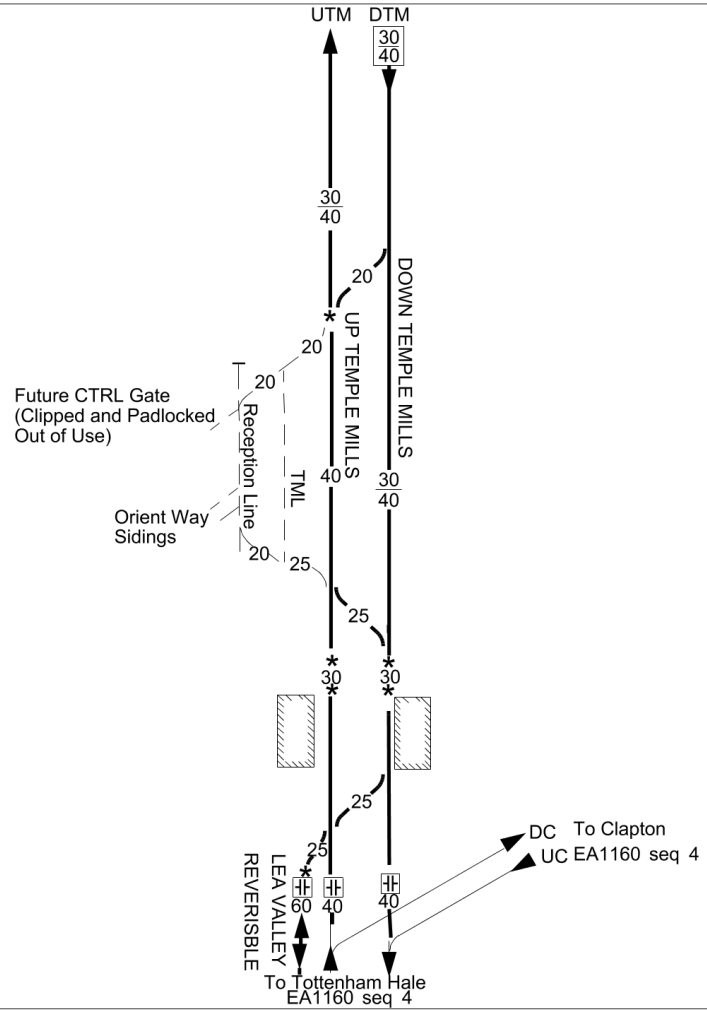
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1280	001	Stratford Central Jn to Coppermill Jn	SDC LTN1 SDC	Anglia	30/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	3 78 *		GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
STRATFORD	4 00		Platform 11 - 264m (288yds) Platform 12 - 182m (199yds)
			Liverpool St IECC (S)
OHNS	4 14 * 4 17		
Olympic Park Jn	4 21		
	4 24 *		
Temple Mills East Jn	4 45		

DM - Down Main
UTM - Up Temple Mills
DTM - Down Temple Mills
UHM - Up High Meads
DHM - Down High Meads

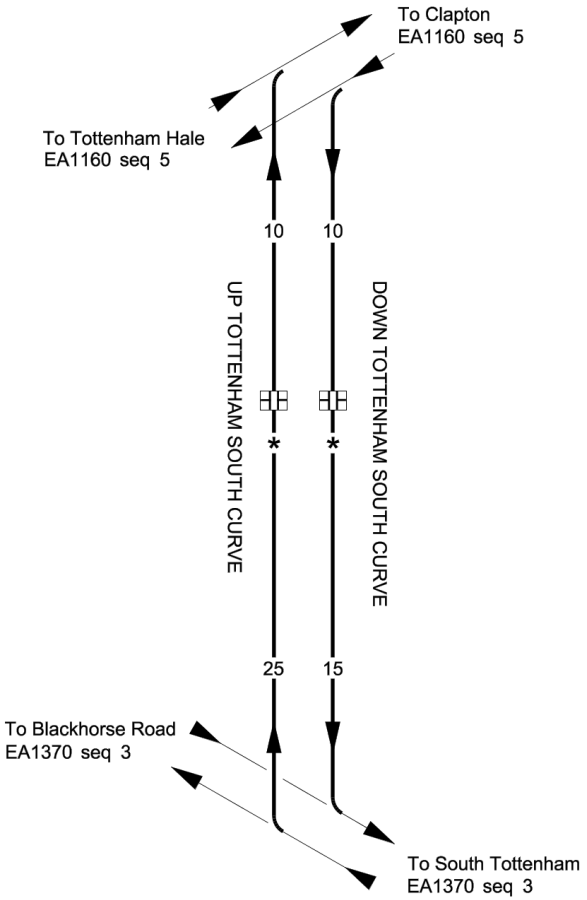
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1280	002	Stratford Central Jn to Coppermill Jn	SDC BGK	Anglia	30/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ruckholt Rd Jn	5 16 * 5 17		TCB Liverpool St IECC (S) RA8 AC: Romford GSM-R
Orient Way Sidings	5 58		TML - Temple Mills Loop TML - 887m (970yds)
Temple Mills West Jn	5 78		UTM - Up Temple Mills DTM - Down Temple Mills DC - Down Cambridge UC - Up Cambridge
	6 01 * 6 15 *		
LEA BRIDGE	6 30		Down Platform - 164m (179yds) Up Platform - 164m (179yds)
Lea Bridge Jn	6 44		
OHNS Coppermill Jn.	6 50 * 7 04 7 14		Liverpool St IECC (L)
	(4 74)		

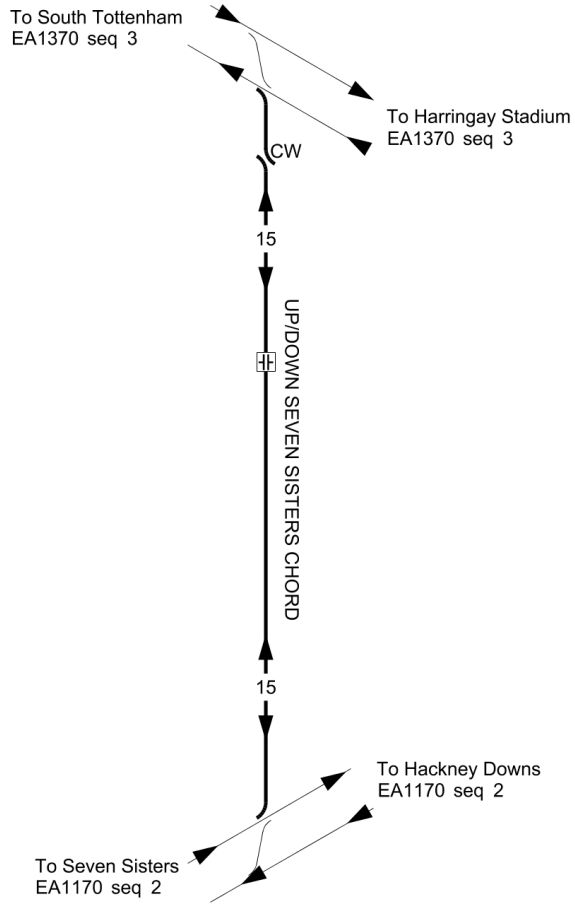
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1290	001	Tottenham South Jn South Tottenham East Jn	TSE1 BGK TAH1 TAH2	Anglia	15/10/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
Tottenham South Jn.	5 41		
OHNS	5 49		South Tottenham St Jn SB (S) AC: Rugby
Change of mileage	5 54 *		
	6 22		
South Tottenham East Jn	5 73		

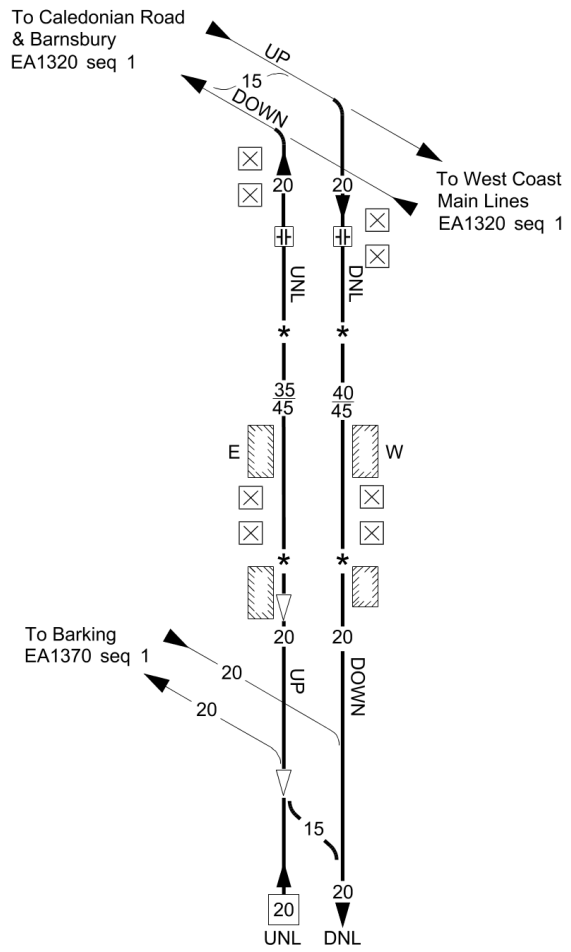
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1300	001	South Tottenham West Jn to Seven Sisters Jn	SSLTAH1TAH2HDT	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
South Tottenham West Jn	(5 65) 0 13		GSM-R TCB South Tottenham St Jn SB (S) RA8 AC: Rugby CW - 69.5m (77 yds) before reaching L1327 signal
OHNS	0 11		
			Liverpool St IECC (L) AC: Romford
Seven Sisters Jn	0 00 (5 40)		

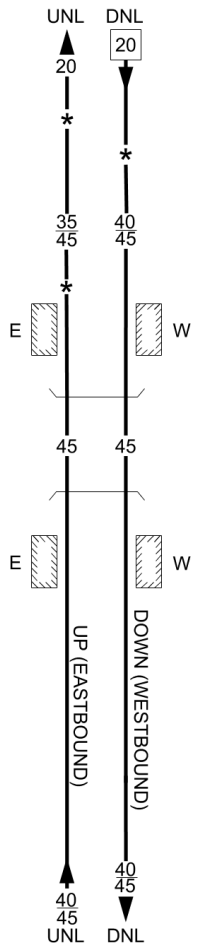
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	001	Camden Road West Junction to Richmond	BOK2	Anglia	17/04/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Camden Road West Jn	(5 10)		GSM-R
	0 00		TCB Upminster SCC (NL) RA8 NLL Central Workstation AC: Rugby
OHNS	0 03		General instruction applies at the following bridges: Prince of Wales Road (Bridge 1 Span 51) at 0m30ch Wilkin Street (Bridge 1 Span 67) at 0m38ch Athlone Street (Bridge 1 Span 72) at 0m42ch Grafton Road (Bridge 1 Span 75) at 0m44ch
	0 14 *		Limit of LOD(T) area NL2101 Down and Up North London line (Camden Road Central Jn/Camden Road West Jn) at 0m 04ch Limit of LOD(T) areas NL2103 and NL2104 Down and Up North London line (Camden Road West Jn/Gospel Oak) at 0m 04ch
KENTISH TOWN WEST	0 34		Up Platform (E) - 109m (119yds) Down Platform (W) - 108m (118yds)
	0 42		Limit of LOD(T) area NL2103 Down North London line (Camden Road West Jn/Gospel Oak) at 0m 66ch Limit of LOD(T) area NL2104 Up North London lines (Camden Road West Jn/Gospel Oak) at 0m 72ch
	1 00 *		
GOSPEL OAK	1 01		
Gospel Oak Jn	1 10		Up Platform - 113m (122yds) Down Platform - 104m (114yds) General instruction applies at Gordon House Road (Bridge 3) at 01m01ch UNL: Up North London DNL: Down North London

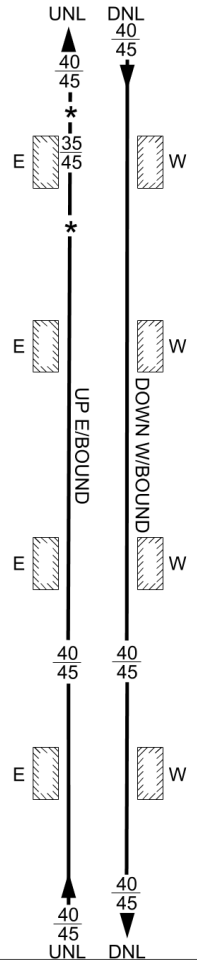
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	002	Camden Road West Junction to Richmond	BOK2	Anglia	17/04/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster SCC(NL) RA8 NLL Central Workstation AC: Rugby
	1 19 *		
	1 25 *		
	1 51 *		
HAMPSTEAD HEATH	1 53		Up Platform (E) - 104m (114yds) Down Platform (W) - 110m (120yds)
Hampstead Heath Tunnel (1166 yards)	1 63 to 2 36		General instruction for broken rails applies at Hampstead Heath tunnel.
FINCHLEY ROAD AND FROGNAL	2 44		Up Platform (E) - 124m (136yds) Down Platform (W) - 106m (116yds)
			UNL: Up North London DNL: Down North London

Anglia Route Sectional Appendix Module AR2

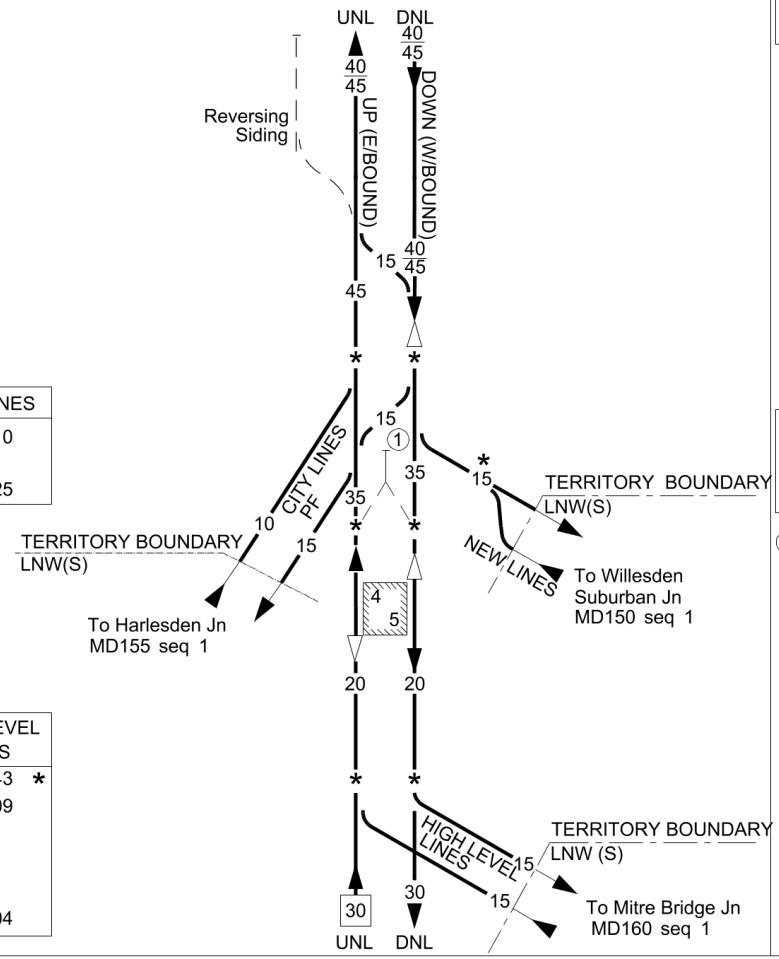
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	003	Camden Road West Junction to Richmond	BOK2	Anglia	17/04/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster SCC (NL) RA8 NLL Central Workstation AC: Rugby Up Line
	2 69 *		
WEST HAMPSTEAD	2 75		Up Platform (E) - 114m (125yds) Down Platform (W) - 104m (114yds)
	3 03 *		
BRONDESBURY	3 36		Up Platform (E) - 108m (118ds) Down Platform (W) - 103m (113yds)
BRONDESBURY PARK	3 71		Up Platform (E) - 102m (112yds) Down Platform (W) -122m (133yds)
KENSAL RISE	4 41		Up Platform (E) - 119m (130yds) Down Platform (W) - 100m (109yds)
			UNL: Up North London DNL: Down North London

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	004	Camden Road West Junction to Richmond	BOK2 BOK3	Anglia	17/04/2021

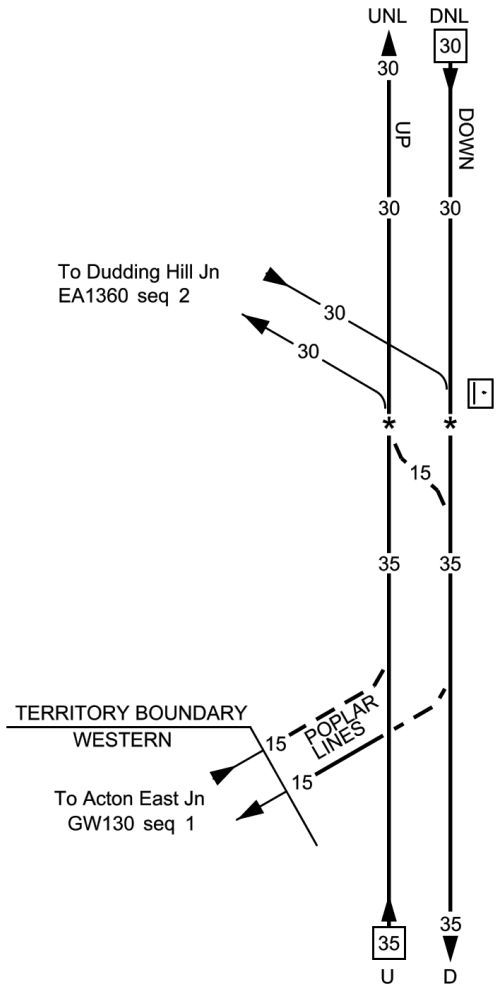
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Kensal Green Junction	5 08 *	CITY LINES / NEW LINES	GSM-R
	0 00 / 5 10		TCB Upminster SCC (NL)
	0 21 / 5 25		RA8 NLL Central Workstation
	5 29 *		AC: Rugby
WILLESDEN JUNCTION HIGH LEVEL	5 39		U + D New Lines DC (3): Rugby
		HIGH LEVEL LINES	U + D City Lines AC: Rugby
	5 48 * / 0 00	0 43 * / 0 09	① Willesden Turnback Siding - 20 mph
		0 04	Up Platform 4 - 102m (111yds)
			Down Platform 5 - 126m (138yds)
			UNL: Up North London
			DNL: Down North London
			Axle Counter Area



Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	005	Camden Road West Junction to Richmond	BOK4 BOK5	Anglia	18/08/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Former Old Oak Jn	0 34		
Change of Mileage	0 43		
Acton Wells Jn (AW) SB	0 64		
Acton Wells Jn	0 66 *		
Acton Wells Jn	0 72	POPLAR LINES 0 49 / 0 39	



GSM-R

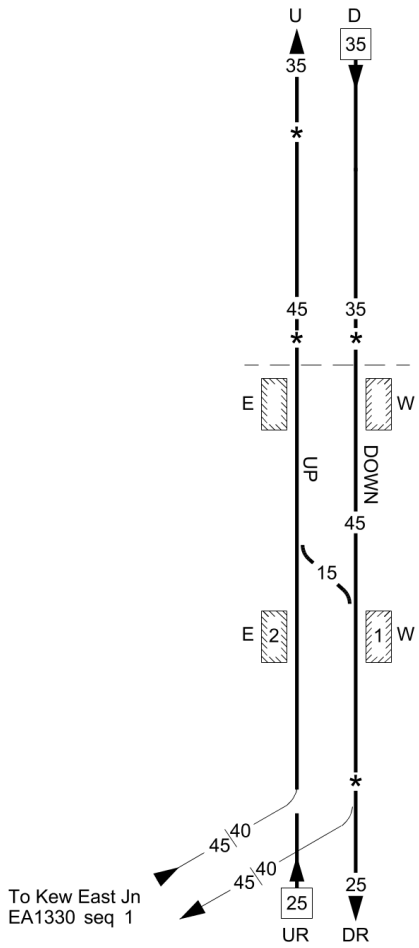
TCB Acton Wells Jn SB (AW)
RA8 AC: Rugby

Change of line designation from Acton Wells Junction
UNL: Up North London
DNL: Down North London

The Down Poplar line - PF ONLY for one light locomotive movement (including locos coupled together described as a light engine) or one DMU movement not converying passengers (including DMUs coupled together) to FOLLOW a train of class 3 - 8 or 0.

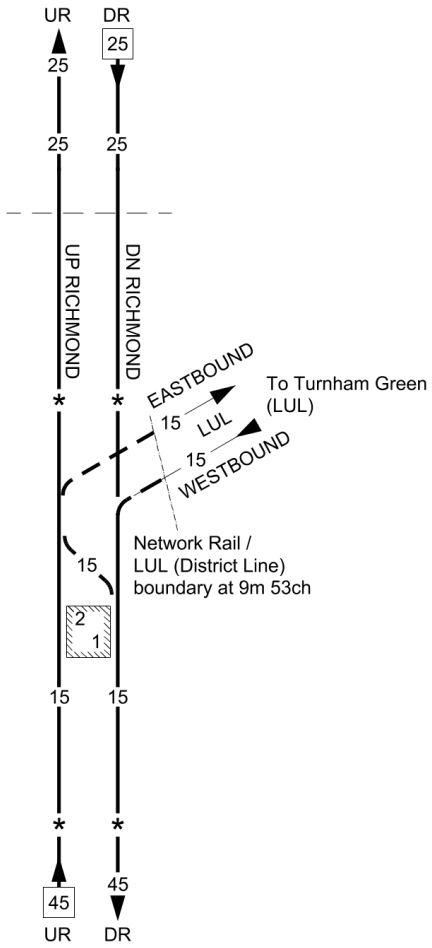
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	006	Camden Road West Junction to Richmond	BOK5	Anglia	17/04/2021

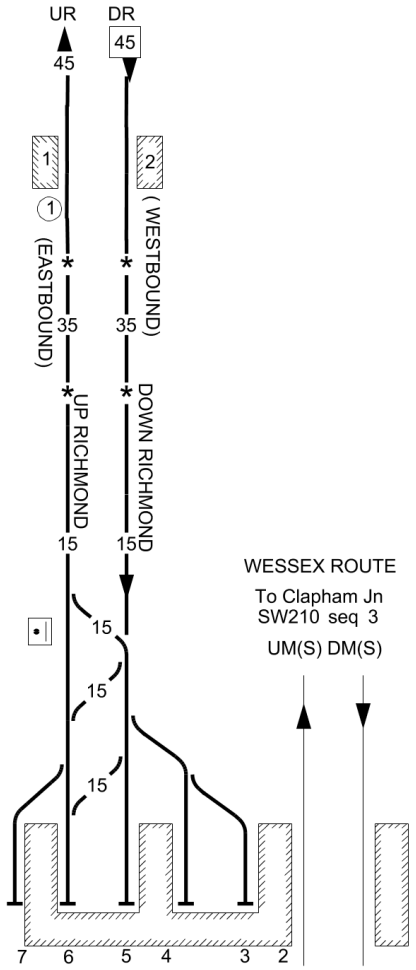
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Acton Wells Jn SB (AW) RA8 AC: Rugby
	0 75 *		
	1 66 *		
Acton Central LC (CCTV)	1 70		Up Platform (E) -135m (148yds)
ACTON CENTRAL	1 73		DC(3): Rugby Down Platform (W) - 120m (131yds)
SOUTH ACTON	2 48		Up Platform (2) - 104m (114yds) Down Platform (1) - 120m (131yds)
South Acton Jn	2 52 *		Change of line designation from South Acton Jn UR - Up Richmond Line DR - Down Richmond Line

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	007	Camden Road West Junction to Richmond	SAR1 SAR2	Anglia	17/04/2021

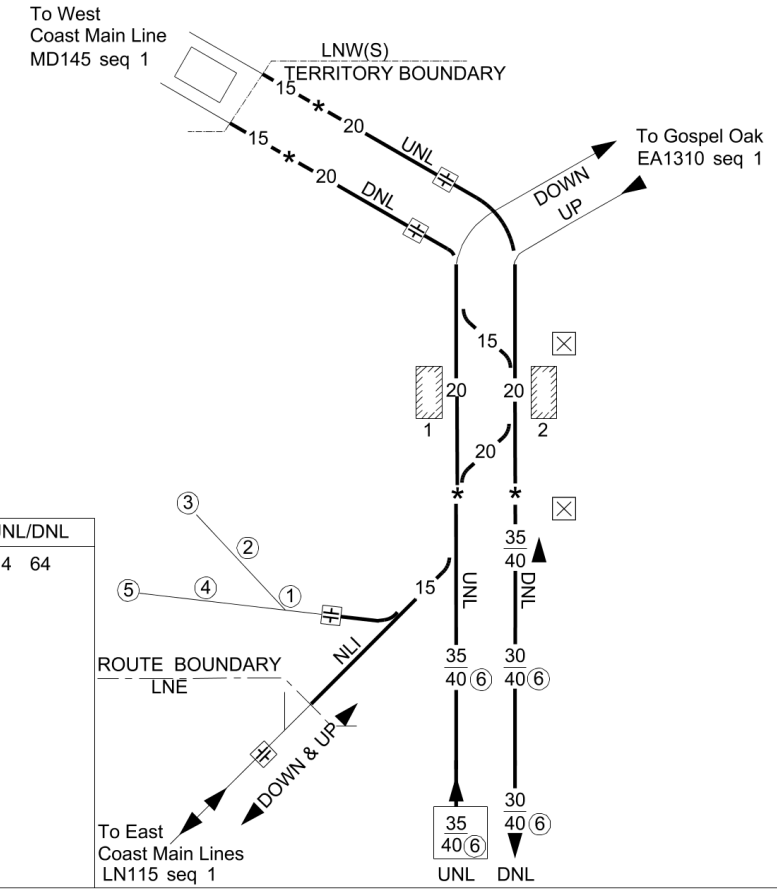
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Bollo Lane (Richmond Line) LC (CCTV)	2 63		GSM-R TCB Acton Wells Jn SB (AW) RA8 DC(3): Rugby
	3 09 *		Richmond SB (GB) DC(4): Raynes Park
Gunnersbury Jn	3 12		AWS not provided for TSR's
	9 76		
GUNNERSBURY	10 05		Up Platform - 130m (140yds) Down Platform - 118m (129yds)
	10 10 *		RA4

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1310	008	Camden Road West Junction to Richmond	SAR2	Anglia	17/04/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Richmond SB (GB) RA4 DC(4): Raynes Park
KEW GARDENS	11 10		Up Platform - 154m (168yds) Down Platform - 112m (122yds) ① **LUL"S7" Stock not to exceed 20mph through Kew Gardens station.**
	11 76 *		
	12 10 *		
Richmond (GB) SB	12 22		UM(S) Up Main (Wessex Route) DM(S) Down Main (Wessex Route)
RICHMOND	12 39		Platform 3 - 137m (150yd) PP Platform 4 - 137m (150yd) Platform 5 - 137m (150yd) Platform 6 - 137m (150yd) Platform 7 - 137m (150yd) Contingency use only for Class 3 ECS and Class 5.

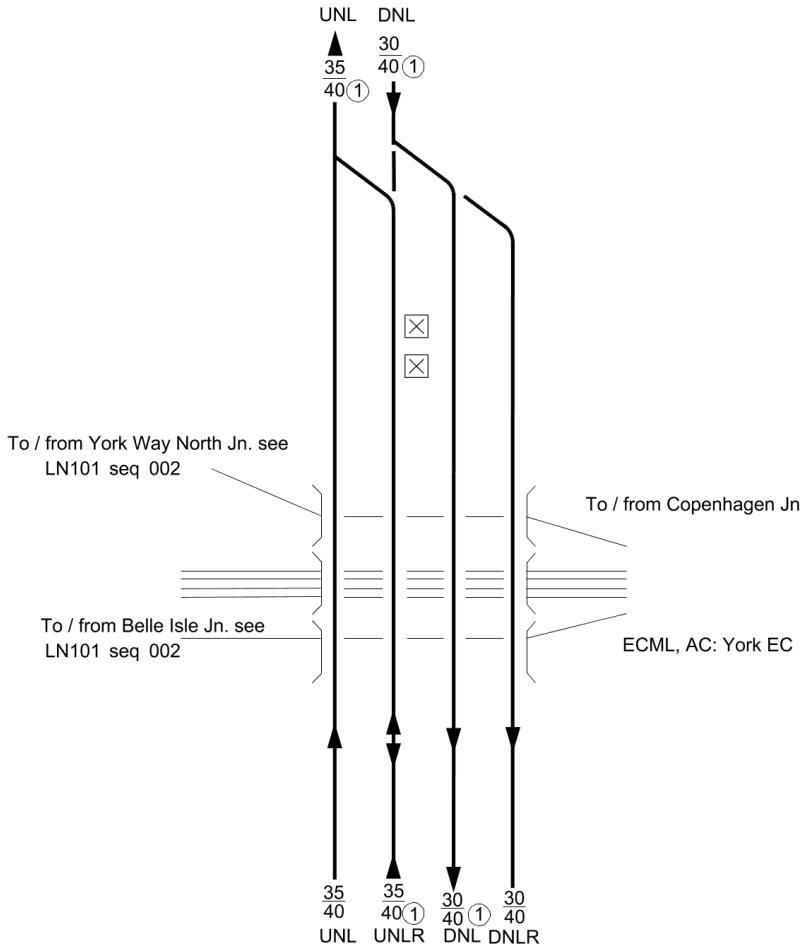
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1320	001	Camden Road West Junction to Stratford	BOK1 BOK2 CRC2 CRF1 CRF2	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
PRIMROSE HILL (CLOSED)	5 49		TCB Upminster SCC (NL) RA8 NLL Central Workstation AC: Rugby DC(3): Rugby AC: Romford GSM-R Axle Counter Area
TERRITORY BOUNDARY	5 42		
	5 18 *		
OHNS	5 12		General instruction applies at Kentish Town Road (Bridge 25) at 05m08ch
Camden Road West Jn	5 10		Change of line direction designation
CAMDEN ROAD	5 01		Up Platform 1 - 104m (114yds) Down Platform 2 - 122m (133yds)
	4 71 *		Limit of LOD(T) area NL2101 Down and Up North London line (CamdenRoad Central Jn/Camden Road West Jn) at 4m 67ch Limit of LOD(T) area NL2001 Down North London line (Camden Road Central Jn/Camden Road East Jn) at 4m 67ch
	NLI / UNL/DNL		
Camden Road Central Jn	0 51 / 4 64		
Camden Road incline Jn	0 44		DNL - Down North London UNL - Up North London NLI - North London Incline
TERRITORY BOUNDARY	0 20		
York Way North Jn	0 13		① Cedar Junction ② Silo Curve ③ To St Pancras (CTRL) ④ CTRL / NLL Connection line ⑤ To Paris ⑥ Class 3,4 &0 trains must observe lower speed
OHNS	0 03		

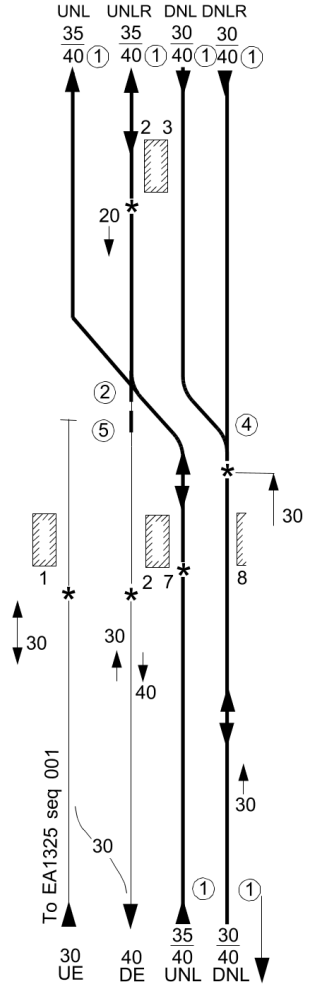
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1320	002	Camden Road West Junction to Stratford	BOK1 BOK1	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Camden Road East Jn	4 52 4 21		TCB Upminster SCC (NL) RA8 NLL Central Workstation AC: Romford GSM-R Axle Counter Area General instruction applies at Camley Street (Bridge 97) at 4m 53ch DNL - Down North London (AC) UNL - Up North London (AC) UNLR - Up North London Reversible (AC) DNLR - Down North London Relief (AC) Limit of LOD(T) area NL2001 Down North London (Camden Road Central Jn/Camden Road East Jn) at 4m 24ch Limit of LOD(T) area NL2012 Up North London Reversible (Camden Road East Jn/Caledonian Road & Barnsbury) at 4m 24ch (1) Class 3,4, and 0 trains must observe lower speed

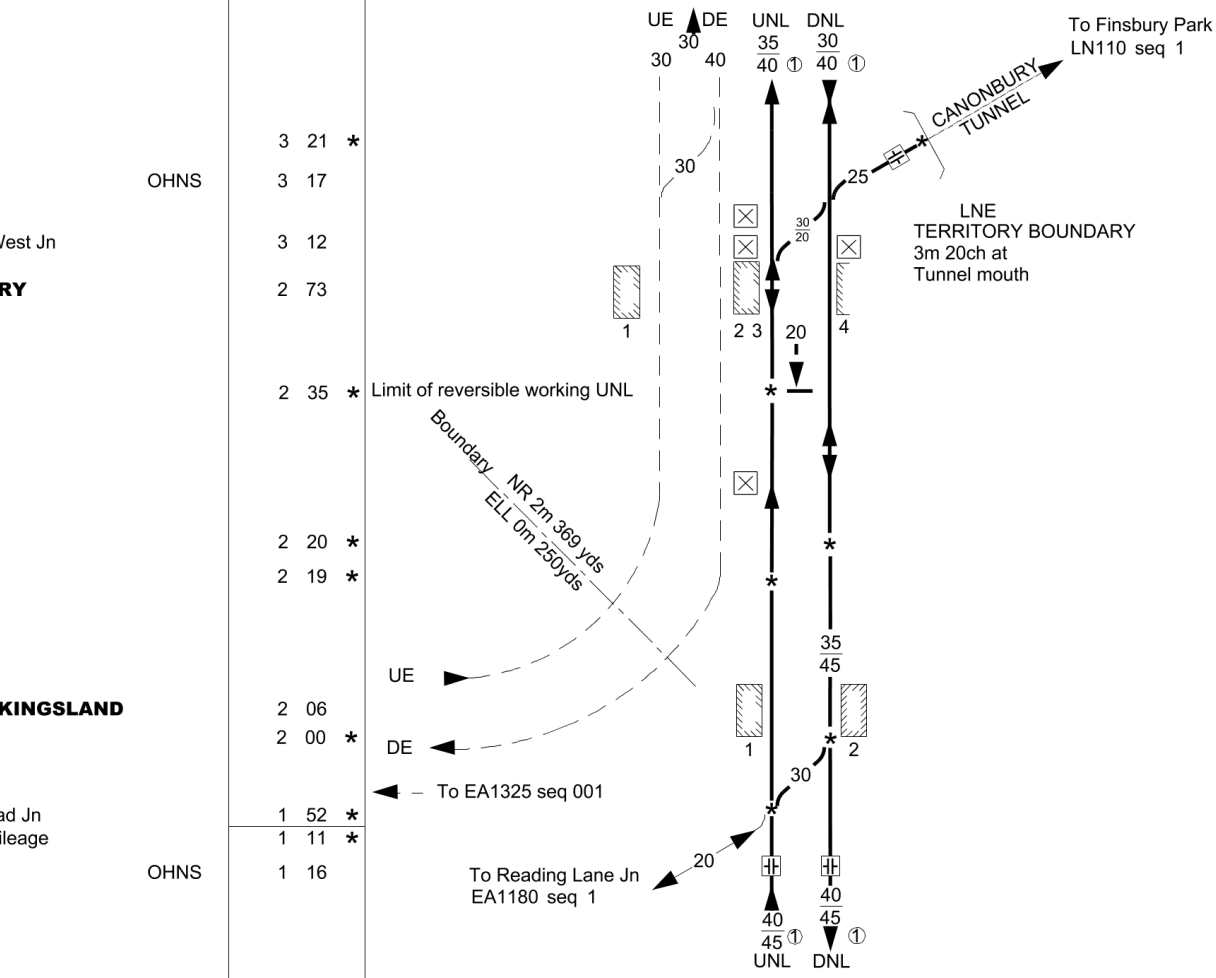
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1320	003	Camden Road West Junction to Stratford	BOK1 ELL5	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CALEDONIAN ROAD & BARNSBURY	3 74 3 63 *		TCB Upminster SCC (NL) RA8 NLL Central Workstation AC:Romford GSM-R (AC only) Axle Counter Area ① Class 3,4, and 0 trains must observe lower speed Platform 2 - 121m (132 yds) Platform 3 - 105m (115 yds) LOD(T) Up North London Reversible line (Camden Road East Jn/Caledonian Road & Barnsbury) at 3m 62ch LOD(T) Up North London line (Caledonian Road & Barnsbury/Highbury & Islington) at 3m 62ch LOD(T) Down North London line (Highbury & Islington/Canonbury) at 3m 38ch
	3 40 3 38 *	Limit of reversible working DNL	
HIGHBURY & ISLINGTON	3 36 3 33 * 3 32 *	Limit of reversible working UNL	Transfer line Upminster SCC (NL) NLL Eastern Workstation LOD(T) Up North London line (Caledonian Road & Barnsbury/Highbury & Islington) at 3m 32ch (AC only) Platform 7 - 112m (123 yds) Platform 8 - 111m (122yds) ② C&P and detected ④ Change of line designation ⑤ Transfer line (TL) AC/DC interface (out of use) UNL - Up North London UNLR - Up North London Reversible DNL - Down North London DNLR - Down North London Relief UE - Up East London Line DE - Down East London Line TL - Transfer Line (AC Romford DC Lewisham)

Anglia Route Sectional Appendix Module AR2

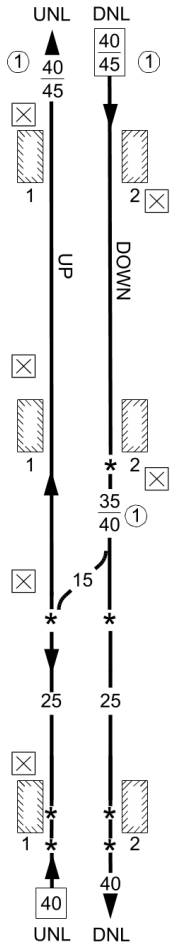
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1320	004	Camden Road West Junction to Stratford	BOK1 CFP ELL5 DWW1 GRE	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Upminster SCC (NL) RA8 NLL Eastern Workstation AC: Romford GSM-R Axle counter Area
	3 21 *		
OHNS	3 17		
Canonbury West Jn	3 12		Limit of LOD(T) area NL2032 Up North London (Canonbury West Jn/Dalston) at 3m 07ch Limit of LOD(T) area NL2009 Down North London (Highbury & Islington/Canonbury West Jn) at 2m 78ch
CANONBURY	2 73		
	2 35 *	Limit of reversible working UNL	Platform 3 - 110m (120yds) Platform 4 - 114m (125yds)
			UNL - Up North London DNL - Down North London UE - Up East London Line DE - Down East London Line
	2 20 *		Limit of LOD(T) area NL2032 Up North London (Canonbury West Jn/Dalston) at 2m 26ch
	2 19 *		
DALSTON KINGSLAND	2 06		Up Platform 1 -105m (115yds) Down Platform 2 - 126m (138yds)
	2 00 *		
Navarino Road Jn	1 52 *		
Change of Mileage	1 11 *		
OHNS	1 16		

① Class 3,4, and 0 trains must observe lower speed

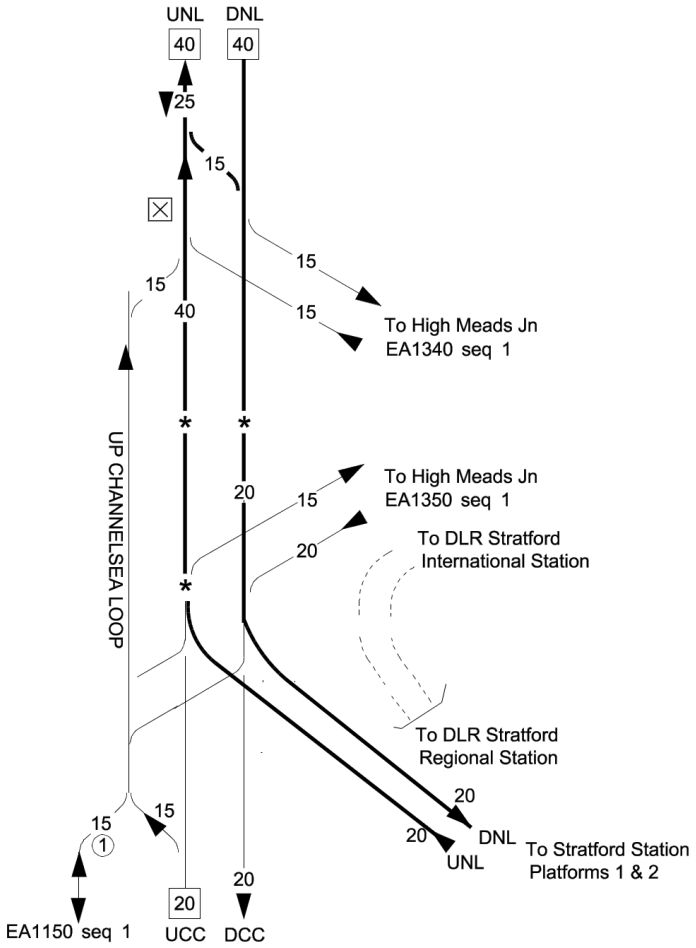
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1320	005	Camden Road West Junction to Stratford	DWW1DWW2	Anglia	17/04/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
HACKNEY CENTRAL	1 32		TCB Upminster SCC (NL) RA8 NLL Eastern Workstation AC: Romford GSM-R Axle Counter Area Limit of LOD(T) area NL2038 Up North London line (Hackney Central/Homerton) at 1m 27ch Up platform 1 - 125m (137yds) Down platform 2 - 125m (137yds) Limit of LOD(T) area NL2037 Down North London line (Hackney Central/Homerton) at 1m 45ch General instruction applies at the following bridges Link Street (Bridge 201) at 1m 60ch Ponsford Street (Bridge 211 & 212) at 1m 66ch Limit of LOD(T) area NL2038 Up North London line (Hackney Central/Homerton) at 1m 67ch
HOMERTON	2 01		Up platform 1 - 105m (115yds) Down platform 2 - 102m (112yds)
	2 05 *		Limit of LOD(T) area NL2037 Down North London line (Hackney Central/Homerton) at 2m 14ch General instruction applies at Kenworthy Road (Bridge 227) at 2m 23ch Limit of LOD(T) area NL2044 Up North London line (Victoria Park Jn (site of) / Lea Jn) at 2m 40ch
Victoria Park Jn (Site of)	2 48 *		
HACKNEY WICK	2 68 *		① Class 3, 4 and 0 trains must observe lower speed Up platform 1 - 125m (137yds) Down platform 2 - 125m (137yds)
	2 76 *		UNL: Up North London DNL: Down North London

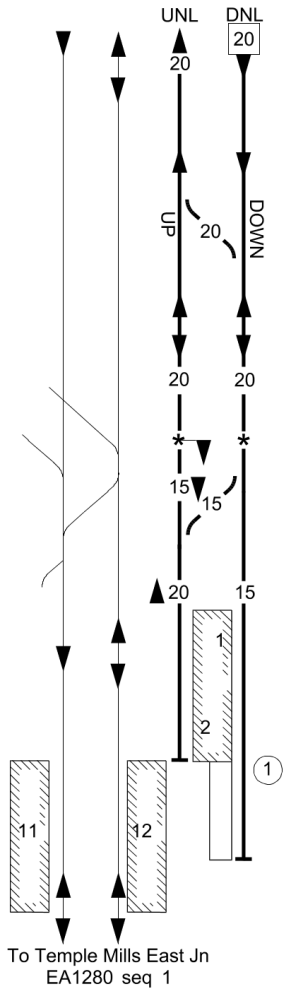
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1320	006	Camden Road West Junction to Stratford	DWW2 LLS CHM CST	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Lea Jn	3 19		TCB Upminster SCC (NL) RA8 NLL Eastern Workstation AC: Romford GSM-R Axle counter Area DLR – Docklands Light Railway UNL - Up North London DNL - Down North London UCC - Up Channelsea Curve DCC - Down Channelsea Curve Limit of LOD(T) area NL2044 Up North London (Victoria Park Jn (site of) / Lea Jn) at 3m 19ch
	3 31 *		
Channelsea North Jn	3 33		
Channelsea South Jn	3 34		① Carpenters Road Curve

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1320	007	Camden Road West Junction to Stratford	DWW2 SDC	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
STRATFORD	03 58 * 03 74	 To Temple Mills East Jn EA1280 seq 1	GSM-R TCB Upminster SCC (NL) RA8 NLL Eastern Workstation AC: Romford UNL: Up North London DNL: Down North London Platform 1 - 143m (156yds) PP Platform 2 - 131m (143yds) PP (1) An 'S' car stop mark indicates the limit of the usable platform

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1325	001	Highbury & Islington - Dalston West Curve	ELL5	Anglia	25/06/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
		To EA1320 seq 3 UNL 35/40 UNLR 30/40	TCB East London Line SCC only Workstation 1 GSM-R RA8 DC: Lewisham
	3 38 *	Limit of reversible working DNL	
HIGHBURY & ISLINGTON	3 36		Platform 1 - 133m (145 yds) Platform 2 - 138m (151 yds)
	3 33 *	Limit of reversible working UNL	
	3 32 *		① Secured out of use ② Transfer line (TL) AC/DC interface (out of use)
		30 DOWN ELL 30 30	UE Up East London DE Down East London
CANONBURY	2 73	UP ELL 1 40 2 3 40	Platform 1 - 126m (138 yds) Platform 2 - 127m (139 yds)
	2 25 *		
	2 22 *		
Network Rail / RFL Boundary (Dalston West Curve)	2 17	SO511 seq 2 30 UE 30 DE SO511 seq 1	

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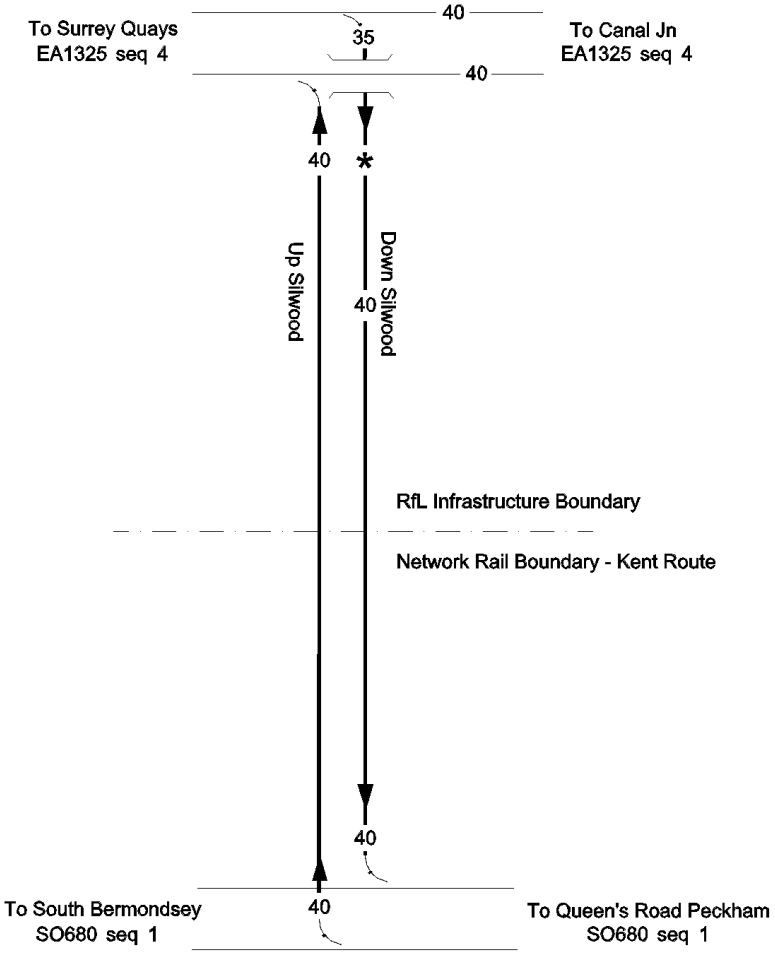
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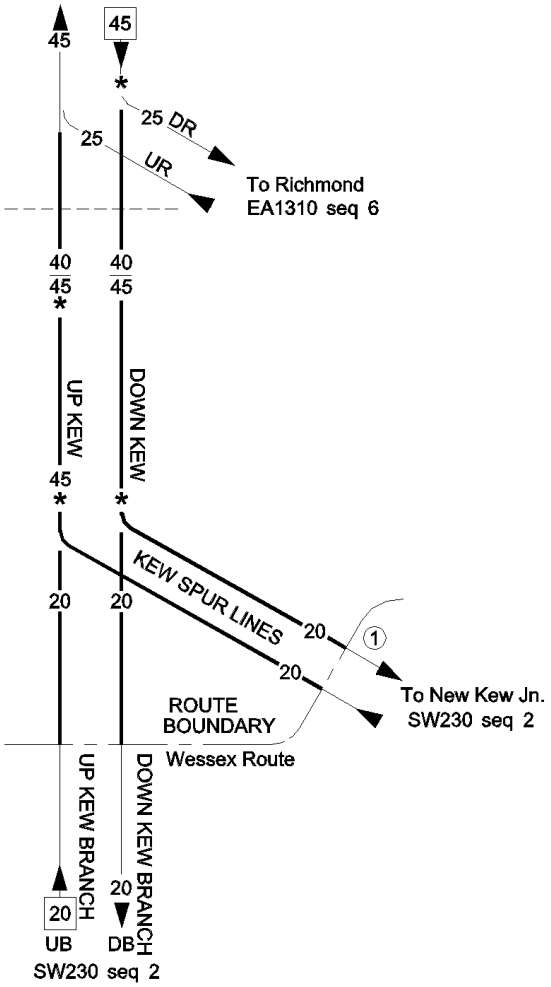
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1327	001	Silwood Jn to Old Kent Road Jn	ELL3 BTH1	Anglia	29/12/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Silwood Jn	4 66		TCB East London Line SCC (EL) Workstation 2 RA8 DC: Lewisham GSM-R RfL Infrastructure - For information purposes only Axle counter area
	5 04		
ELL / Network Rail Boundary	5 51		Down Silwood - 5m 44ch CSR 28
	2 23		Up Silwood - Start of GSM-R Area 2m 25ch
Old Kent Road Jn	2 32		TCB Three Bridges Rail Operating Centre (TL) RA8 DC: Lewisham CSR 28

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1330	001	South Acton Jn to Old & New Kew Jns	BOK5 NKE1	Anglia	02/02/2013

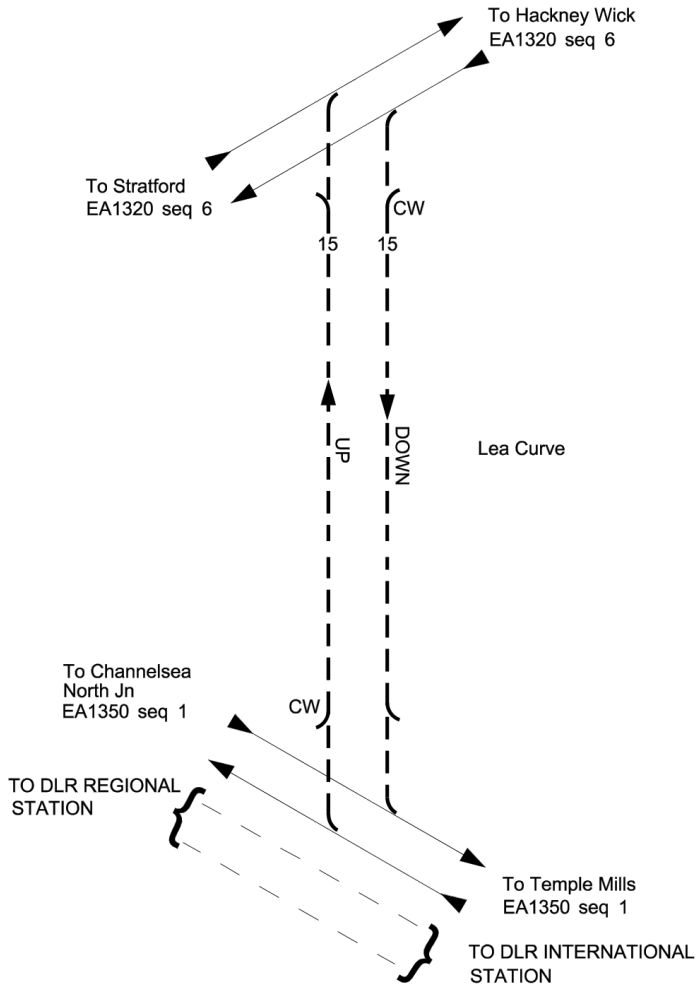
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			TCB Acton Wells Jn SB (AW) RA8
South Acton Jn	2 52 *		
Bollo Lane (Kew Line) LC (CCTV)	2 63		
	2 72 *		
Kew East Jn.	3 27 *	KEW SPUR LINES: 3 27 – 3 39	
Route Boundary	3 39		① Route Boundary at 3m 39ch
Change of mileage	3 68		
To Old Kew Jn	10 01		



Anglia Route Sectional Appendix Module AR2

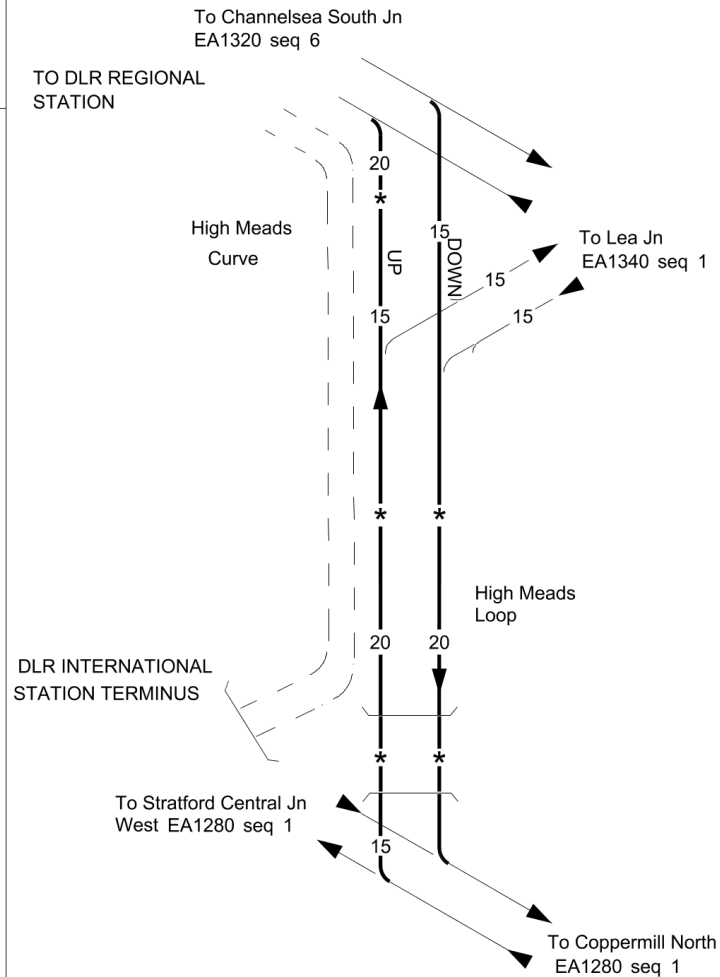
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1340	001	Stratford Lea Jn to High Meads Jn	LLS DWW2 CHM	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	(3 19)		GSM-R
Lea Jn	0 51		TCB Upminster SCC (NL) RA8 NLL Eastern Workstation AC: Romford
			CW 177yds before reaching S160 signal
	0 53		
	0 62		
			CW 156yds before reaching S151 signal
High Meads Jn.	0 65		
	(0 15)		DLR – Docklands Light Railway



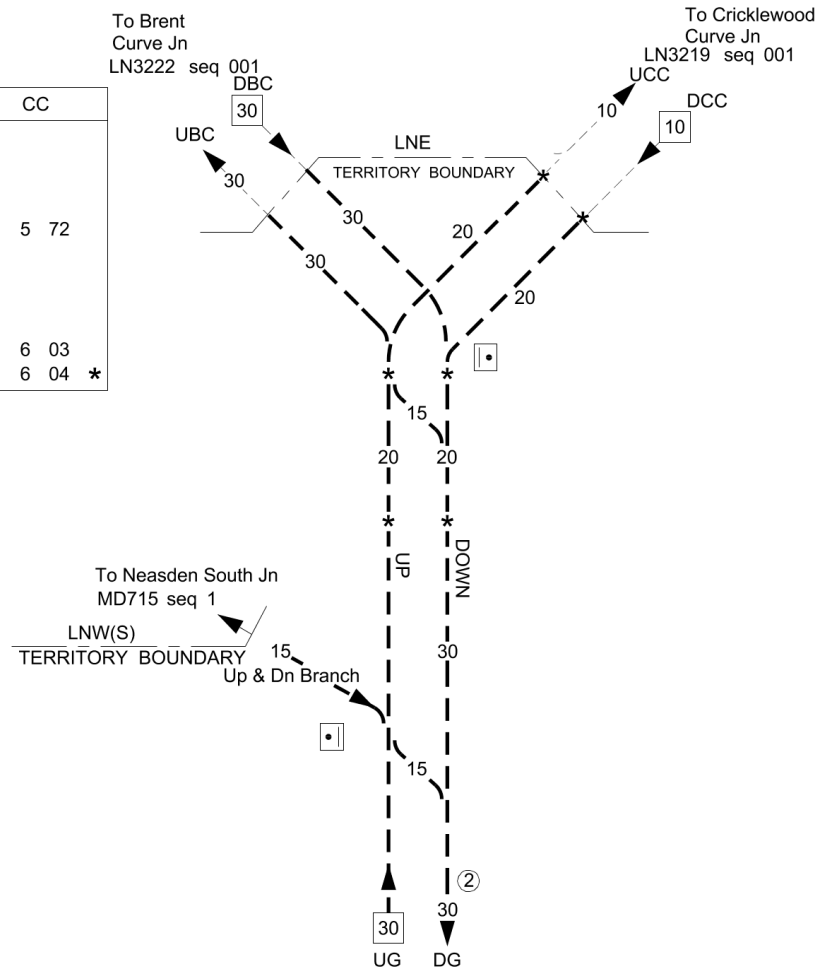
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1350	001	Channelsea North Jn to Temple Mills East Jn	CHM LLS DWW2 SDC	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Channelsea North Jn	3 32		GSM-R
	0 00		TCB Upminster SCC (NL) RA8 NLL Eastern Workstation AC: Romford
	0 02 *		DLR – Docklands Light Railway
High Meads Jn.	0 15 *		
	0 18 *		
High Meads Loop Enclosure	0 28 to 0 40 0 42 *		High Meads Enclosure Evacuation & Maintenance Facility. Lighting & Fire Main Installed between 0m 25ch & 0m 50 ch
	0 47		
Temple Mills East Jn	0 59		TCB Liverpool St IECC (S) RA8

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1360	001	Dudding Hill Jn to Acton Wells Jn	CAW BDH NJN	Anglia	20/08/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R
	BC	CC		
Territory Boundary	0 54	5 72		
Dudding Hill Jn (DH) SB		6 03		
Dudding Hill Jn	1 03 *	6 04 *		
	6 10 *			
Territoryl Boundary	6 51 ①			
Neasden Jn	7 02			
Neasden Jn (NJ) SB	7 03			

TCB Dudding Hill Jn SB (DH)
RA8

AWS not provided on Down Goods between DH13/DH15 & ACW 34 Signals

C.W. at 5m 53ch on Cricklewood Curve

UBC - Up Brent Curve
DBC - Down Brent Curve
UCC - Up Cricklewood Curve
DCC - Down Cricklewood Curve

AB

Neasden Jn SB (NJ) when open
Acton Canal Wharf SB (ACW) at all other times
(TCB towards Neasden S Jn.)

① Boundary mileage measured from Northolt Jn. LNW(S)

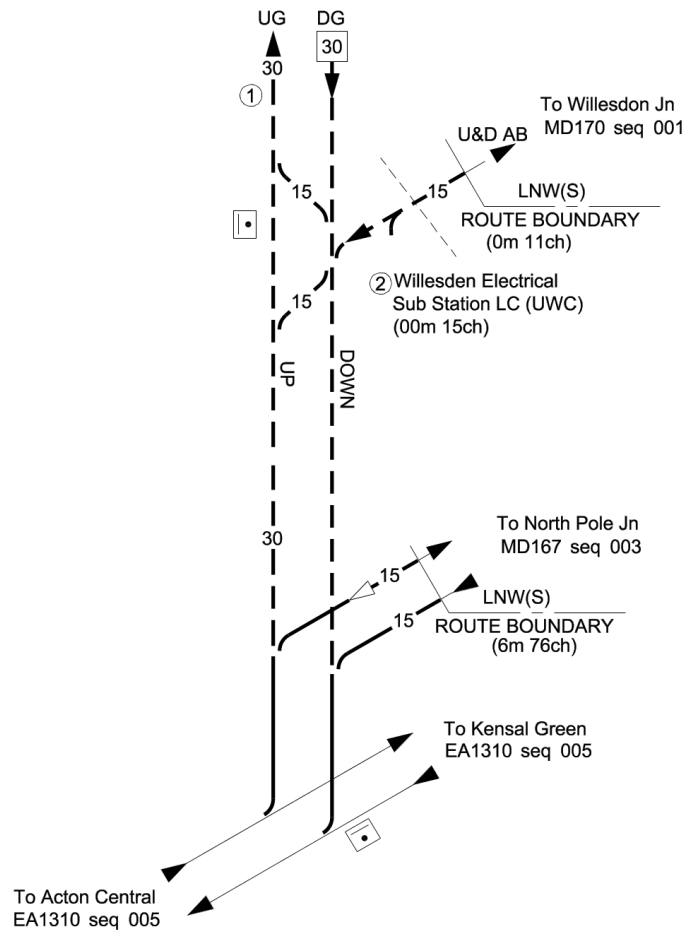
General instruction applies at Acton Lane (Bridge 11) at 8m 3ch

② Signal NJ6 is not interlocked with the block instrument

UG - Up Goods
DG - Down Goods

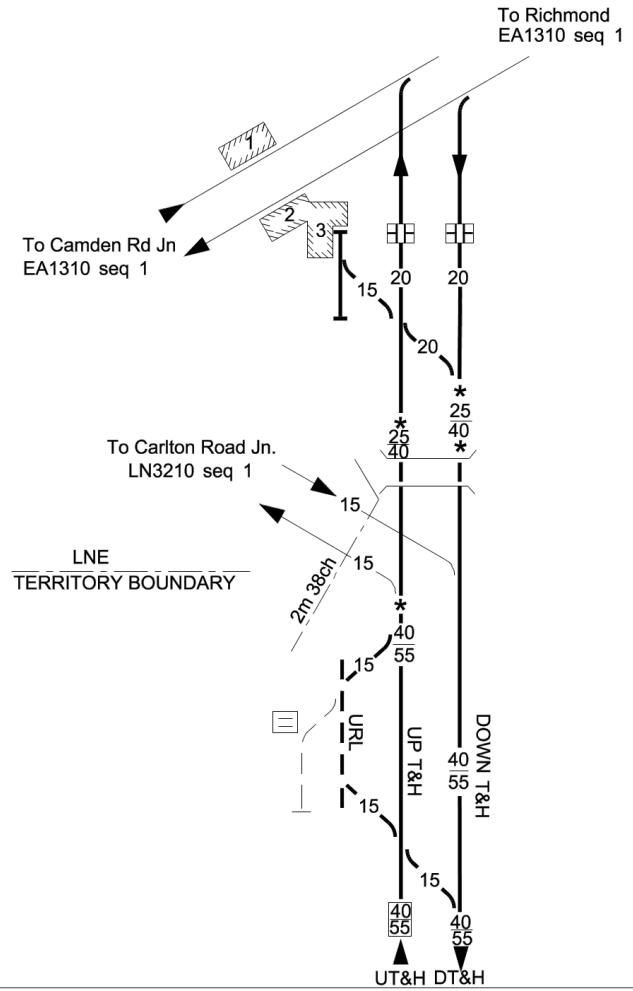
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1360	002	Dudding Hill Jn to Acton Wells Jn	CAW ACW WAW BOK4	Anglia	03/02/2024

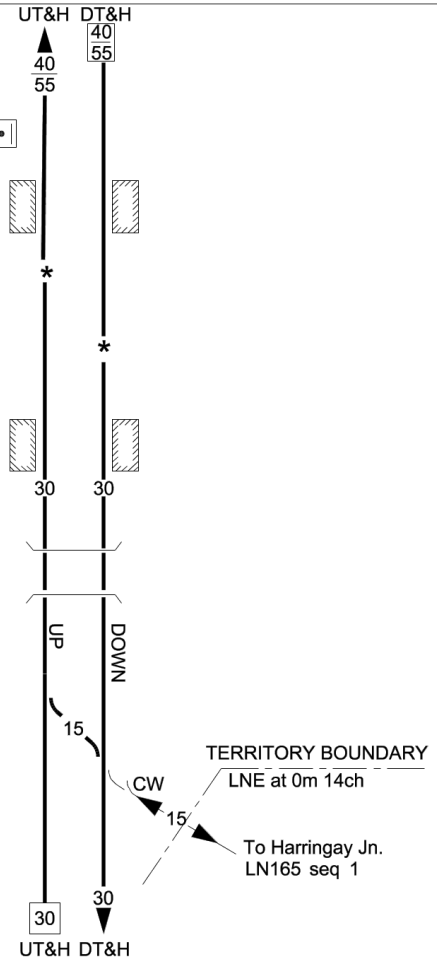
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Acton Canal Wharf (ACW) SB	8 41		GSM-R AB Acton Canal Wharf SB (ACW) RA8 ① Signal ACW29 is not interlocked with the block instrument TCB ② Telephone linked to Wembley Main Line SCC UG - Up Goods DG - Down Goods U&D AB - Up & Down Acton Branch
Acton Canal Wharf Jn	8 45		
Change of mileage	8 77 0 63		
Acton Wells Jn. SB (AW)	0 66		Acton Wells Jn SB (AW)

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1370	001	Gospel Oak to Barking Tilbury Jn West	GOJ TAH1 BOK2 JRT	Anglia	03/09/2022

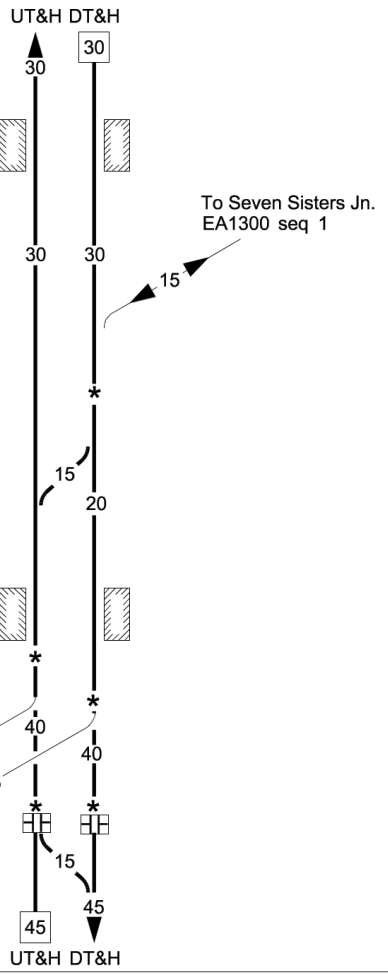
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Gospel Oak Jn	0 00		GSM-R
GOSPEL OAK	0 04		TCB Upminster SCC (NL) RA8 NLL Central Workstation AC: Rugby
OHNS	0 06		Platform 3 - 97m (105yds) PP General instruction applies at Gordon House Road (Bridge 1) at 0m 12ch
	0 20		
	0 25 *		General instruction for broken rails applies at the Covered Way
	0 28 *		
	0 43 *		
Covered Way	to		Axle Counter Area
	0 52		Upper Holloway SB (UH)
Junction Road Jn	0 58 *		
	2 42		
Cripple Siding GSP			URL - UP Reception Line 314m (343yds)
			UT&H - Up Tottenham & Hampstead DT&H - Down Tottenham & Hampstead

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1370	002	Gospel Oak to Barking Tilbury Jn West	TAH1 HPW	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Upper Holloway SB (UH) RA8 AC:Rugby GSM-R
Upper Holloway SB (UH)	2 76		
UPPER HOLLOWAY	3 00		Up platform - 124m (134yds) Down platform - 123m (133yds)
	3 14 *		
	3 28 *		
CROUCH HILL	3 65		South Tottenham Station Junction SB (S) Up platform - 122m (132yds) Down platform - 122m (132yds)
			General instruction for broken rails applies at Crouch Hill tunnel
Crouch Hill Tunnel (90yds)	4 01 to 4 05		FWS both lines within Crouch Hill Tunnel
Harringay Park Jn	4 15		
			UT&H - Up Tottenham & Hampstead DT&H - Down Tottenham & Hampstead

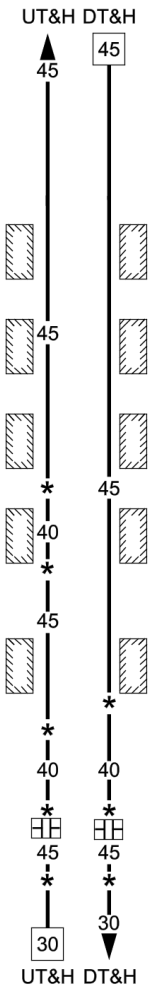
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1370	003	Gospel Oak to Barking Tilbury Jn West	TAH1 TAH2 SSL TSE	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB South Tottenham Station RA8 Junction SB (S) AC: Rugby
HARRINGAY GREEN LANES	4 61		Up platform - 220m (238yds) Down platform - 220m (238yds)
South Tottenham West Jn	5 65		
	5 66 *		
SOUTH TOTTENHAM	5 69		Up platform - 81m (87yds) Down platform - 52m (56yds)
South Tottenham Station Jn. SB (S)	5 71 *		
South Tottenham East Jn	5 73 *		
	5 77 *		
OHNS	6 00		UT&H - Up Tottenham & Hampstead DT&H - Down Tottenham & Hampstead

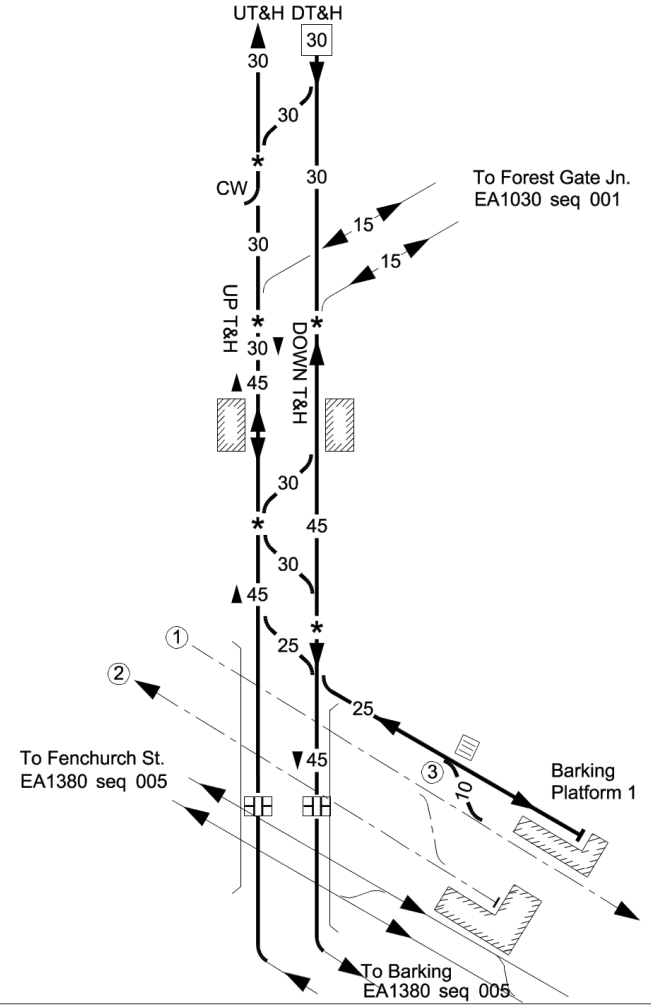
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1370	004	Gospel Oak to Barking Tilbury Jn West	TAH2	Anglia	14/01/2018

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB South Tottenham St Jn SB (S) RA8 AC : Romford
BLACKHORSE ROAD	7 21		Up platform - 84m (91yds) Down platform - 84m (91yds)
WALTHAMSTOW QUEENS ROAD	8 11		Up platform - 84m (91 yds) Down platform - 84m (91 yds)
LEYTON MIDLAND ROAD	9 22		Up platform - 156m (169yds) Down platform - 156m (169yds)
	9 75 *		
LEYTONSTONE HIGH ROAD	10 00		Up platform - 163m (176yds) Down platform - 163m (176yds)
	10 04 *		
			Liverpool St IECC (L)
WANSTEAD PARK	11 15		Up platform - 147m (159yds) Down platform - 147m (159yds)
	11 19 *		
	11 34 *		
	11 44 *		
OHNS	11 62		
	11 69 *		UT&H - Up Tottenham & Hampstead DT&H - Down Tottenham & Hampstead

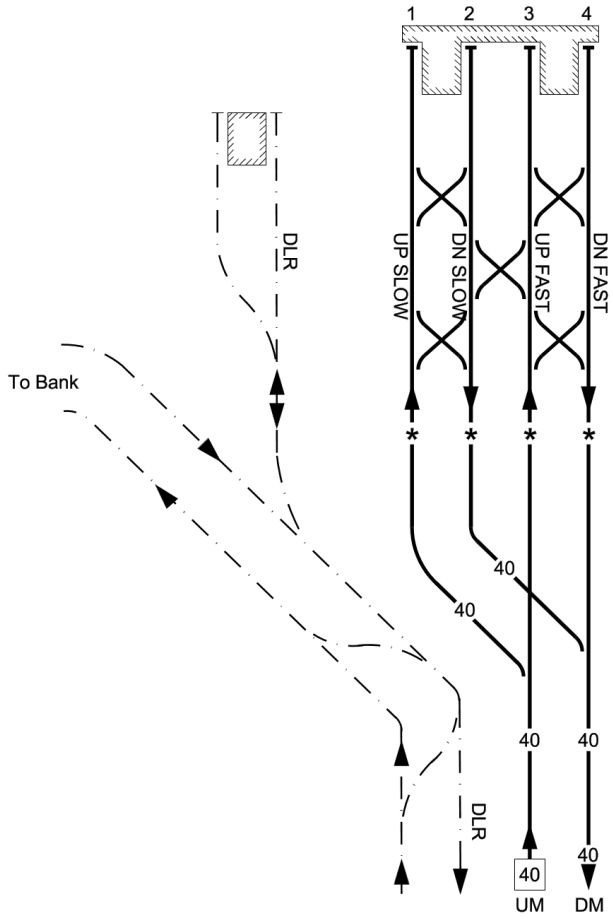
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1370	005	Gospel Oak to Barking Tilbury Jn West	TAH2 TAH3 TAH4 FGW TLL FSS2	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Liverpool St IECC (L) RA8 AC: Romford
	11 73 *		UT&H - Up Tottenham & Hampstead
	11 74		DT&H - Down Tottenham & Hampstead
Woodgrange Park Jn	11 79		
	12 00 *		
WOODGRANGE PARK	12 05		Up platform - 165m (178yds) Down platform - 165m (178yds)
	12 16 *		
	13 05 *	Barking Platform 1 M CH	Upminster IECC (UR)
Barking Station Jn.	13 12	13 12	
Barking Ground Frame		13 53	① Eastbound LUL District line
BARKING OHNS	13 24	13 62	② Westbound LUL District line ③ Connection from Barking Bay Platform line to LUL District line. Only for use by Engineering Trains during a possession in compliance with operating protocol
			Platform 1 - 183m (199yds)
Barking Tilbury Line Jn West	13 42		

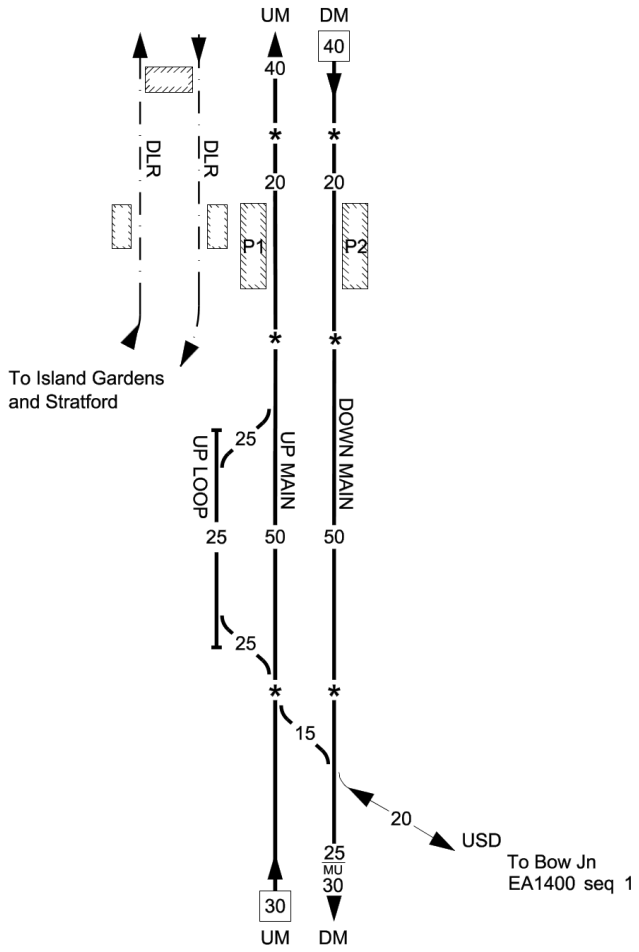
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	001	Fenchurch St to Shoeburyness	FSS1	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
FENCHURCH STREET	0 00		GSM-R TCB Upminster IECC (UR) RA3 AC: Romford
Tower Gateway Station (DLR)			DLR - Docklands Light Railway
			Maximum permissable speed from 0m 00ch to 0m 33ch is 20mph on all lines
Royal Mint Street Jn (DLR)	0 33 *		Platform 1 - 245.7m (268.7yds) PP Operational Length = 242.7m (255.4yds) Platform 2 - 247.8m (271yds) PP Operational Length = 242.7m (255.4yds) Platform 3 - 247.3m (270.4yds) PP Operational Length = 245.3m (268.2yds) Platform 4 - 247.3m (270.4yds) PP Operational Length = 245.3m (268.2yds)
Christian Street Jn	0 61		General instruction applies at the following bridges: Savage Gardens (Bridge 495) at 0m 06ch Sutton Street (Bridge 518) at 1m 08ch Johnson Street (Bridge 522) at 1m 19ch Hardinge Street (Bridge 523 & Arch 181) at 1m 21ch Havering Street (Bridge 525) at 1m 28ch UM - Up Main DM - Down Main

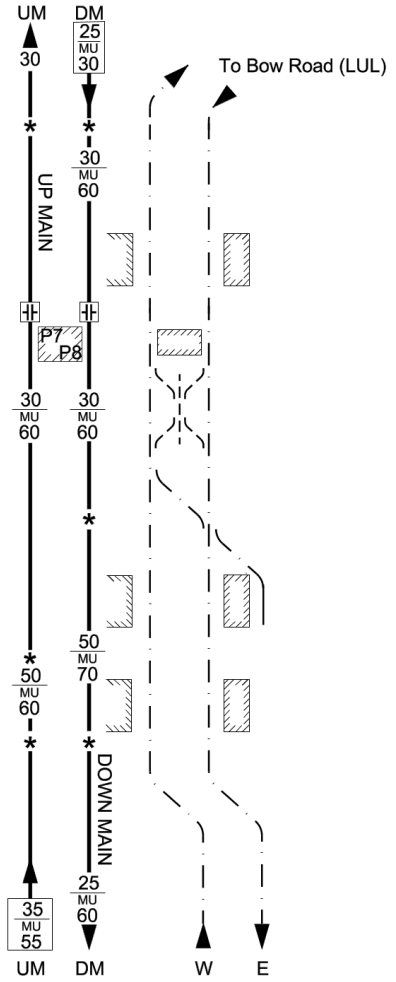
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	002	Fenchurch St to Shoeburyness	FSS1	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Shadwell station (DLR)	1 04		GSM-R TCB Upminster IECC (UR) RA3 AC: Romford Platform 1 - 247.7m (270.8yds) Operational Length = 247.7m (270.8yds) Platform 2 - 246m (269yds) Operational Length = 246m (269yds) DLR - Docklands Light Railway General instruction applies at the following bridges: Ratcliffe Lane (Bridge 533) at 1m 53ch Chasely Street (Bridge 585) at 1m 66ch Huddart Street (Bridge 597) at 2m 31ch Robeson Street (Bridge 598) at 2m 34ch Bow Common Lane (Bridge 599) at 2m 37ch UL 244m (266yds) General instruction applies at Cantrell Road (Bridge 600) at 2m 46ch Rounton Road (Bridge 6) at 2m 70ch UM - Up Main DM - Up Main USD - Up Stratford Down
1 43 *			
Limehouse station (DLR)			
LIMEHOUSE	1 58		
1 60 *			
2 25			
2 51 *			
Gas Factory Jn	2 57		

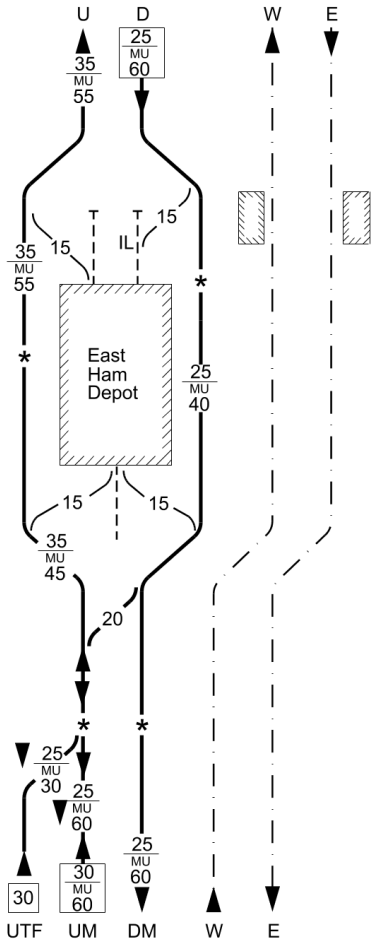
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	003	Fenchurch St to Shoeburyness	FSS1	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA3 AC: Romford UM - Up Main DM - Down Main General instruction applies at Campbell Road (Bridge 15) at 2m 74ch
	2 73 *		
Bromley-by-Bow Station (LUL)	3 18		
OHNS	3 75		
West Ham station	4 08		Up Platform 7 - 247.7m (270.8yds) Operational Length = 247.7m (270.8yds) Down Platform 8 - 249.8m (273.1yds) Operational Length = 249.8m (273.1yds)
	4 35 *		
Plaistow station (LUL)	4 45		
	5 04 *		
Upton Park station (LUL)	5 28		
	6 00 *		

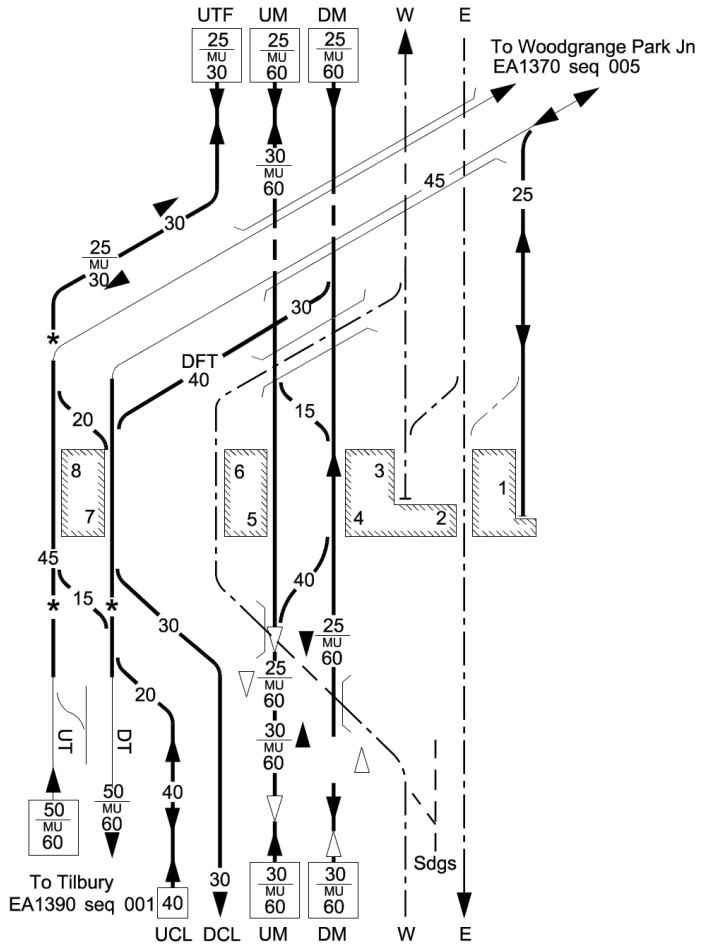
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	004	Fenchurch St to Shoeburyness	FSS1 FSS2	Anglia	02/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
East Ham Station (LUL)	6 18		GSM-R TCB Upminster IECC (UR) RA3 AC: Romford W - Westbound LUL District line E - Eastbound LUL District line IL - Inlet line
	6 40 *		
	6 50 *		
Barking Tilbury Line Jn	7 08 *		UTF - Up Tilbury/Fenchurch St.

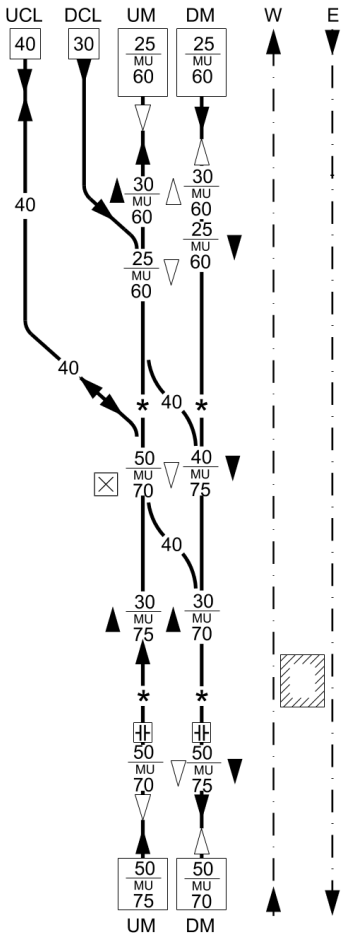
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	005	Fenchurch St to Shoeburyness	FSS2 TAH3 TAH4	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Barking Flyover			GSM-R TCB Upminster IECC (UR) RA3 AC: Romford UM - Up Main DM - Down Main UTF - Up Tilbury/Fenchurch St. DFT - Dn Fenchurch St/Tilbury W - Westbound LUL District line E - Eastbound LUL District line
Barking Tilbury Line Jn West	7 33 *		LUL Line passes over UM & DM
			RA8 All lines
BARKING	7 42		LUL Line passes under UM & DM
	7 60 *		Platform 1 - 184.5m (201.7yds) Operational Length = 181m (197yds) Platform 4 - 269.9m (295.1yds) PP-C Operational Length = 269.9m (295.1yds) Operational Length Bi-Di = 269.9m (295.1yds) Platform 5 - 253.9m (277.6yds) PP-C Operational Length = 251.5m (275yds) Operational Length Bi-Di = 251.5m (275yds) Platform 7 - 247.5m (270.6yds) Operational Length = 247.5m (270.6yds) Operational Length Bi-Di = 248.5m (271.7yds) Platform 8 - 254.4m (278.2yds) Operational Length = 254.4m (278.2yds) Operational Length Bi-Di = 248.5m (271.7yds)
Barking Tilbury Line Jn East			DCL - Down Connecting Line UT - Up Tilbury UCL - Up Connecting Line DT - Down Tilbury UT & DT - To Pitsea Via Tilbury

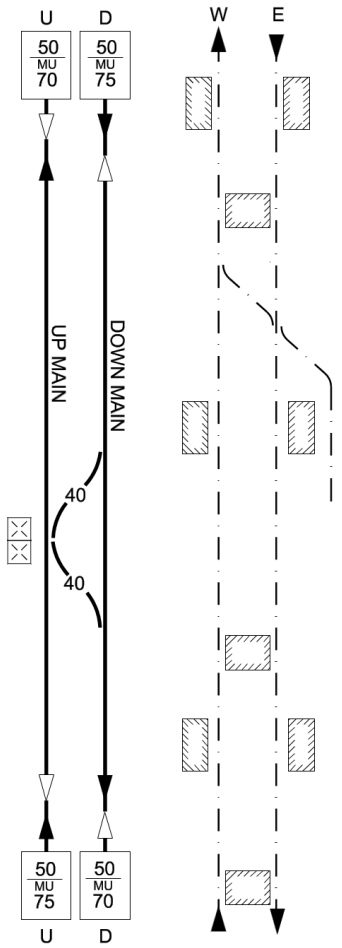
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	006	Fenchurch St to Shoeburyness	FSS2	Anglia	02/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Upney Jn.	8 10 *		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UCL - Up Connecting Line DCL - Down Connecting Line W - Westbound LUL District line E - Eastbound LUL District line LOD (P) (Upney Junction/Dagenham East Crossovers) at 8m 14ch
Upney Station (LUL)	8 46 8 55 *		
OHNS	8 56		

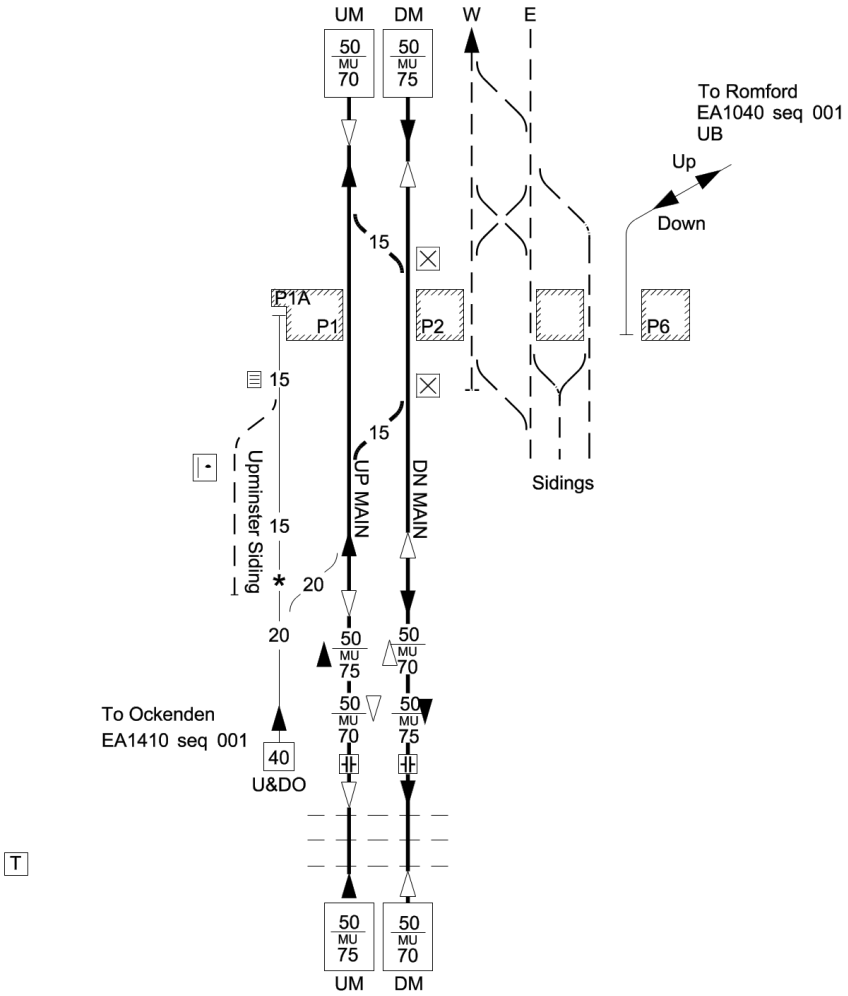
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	007	Fenchurch St to Shoeburyness	FSS2	Anglia	30/09/2023

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
Becontree (LUL)	9	48		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford W - Westbound LUL District line E - Eastbound LUL District line
Dagenham Heathway (LUL)	10	36		
Dagenham East (LUL)	11	25		FWS (SATWAS) Provided between 11m 48ch & 12m 0ch
Dagenham East Crossovers	11	60		LOD (P) (Upney Junction/Dagenham East Crossovers & Dagenham East Crossovers/Upminster) at 11m 63ch
Elm Park (LUL)	12	57		General instruction applies at the following bridges: Upper Rainham Road (Bridge 24) at 12m 25ch Upminster Road (Bridge 31) at 14m 49ch
Hornchurch (LUL)	13	56		
Upminster Bridge (LUL)	14	38		

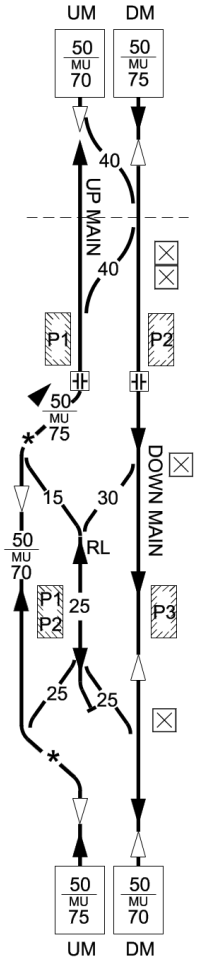
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	008	Fenchurch St to Shoeburyness	FSS2	Anglia	12/12/2022

Location		Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
UPMINSTER		15 20		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UM - Up Main DM - Down Main UB - Upminster Branch W - Westbound LUL District Line E - Eastbound LUL District Line U&DO - Up & Down Ockendon LOD (P) (Dagenham East Crossovers/ Upminster) at 15m 11ch LOD (P) (Upminster/West Horndon) at 15m 35ch Platform 1A - 142.9m (156.2yds) Operational Length = 181m (197yds) Platform 1 - 246.7m (266.7yds) PP-C Operational Length = 244m (266yds) Operational Length Bi-Di = 247m (263yds) Platform 2 - 249m (267.8yds) PP-C Operational Length = 244.9m (138.8yds) Operational Length Bi-Di = 245.9m (268.9yds) Platform 6 - 91.7m (100yds) Operational Length = 91.7m (100yds)
Upminster GF		15 36		
Upminster (UR)	IECC	15 38		
	OHNS	15 69		
Brickfields LC (FPS)		16 30		
Puddle Dock LC (FPS)		17 17		
Whipps Farm LC (UWC)		17 45	T	

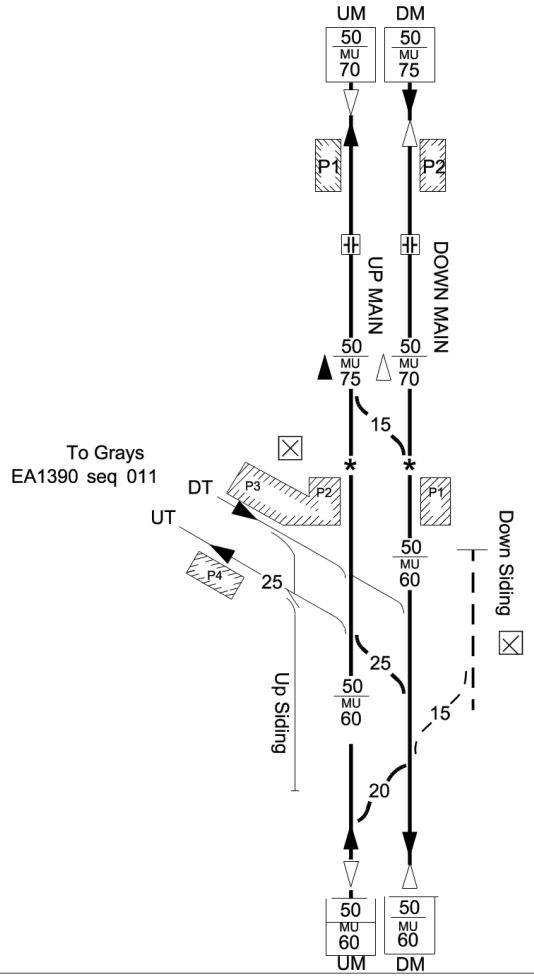
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	009	Fenchurch St to Shoeburyness	FSS2	Anglia	08/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Brown & Tawse LC (FPW)	18 70		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UM - Up Min DM - Down Main RL - Reversing Line FWS (SATWS) provided between 18m 54ch and 19m 08ch LOD (P) (Upminster/West Horndon & West Horndon/Laindon) at 18m 72ch Up Platform 1 - 248.5m (271.7yds) Operational Length = 240m (262yds) Operational Length Bi-Di = 247m (270yds) Up Platform 2 - 249m (272yds) Operational Length = 249m (272yds) Operational Length Bi-Di = 249m (272yds) General instruction applies at Lower Dunton Road (Bridge 72) at 21m 28ch LOD (P) (West Horndon/Laindon) at 22m 56ch Platform 1 - 247m (270yds) PP-C Operational Length = 247m (270yds) Operational Length Bi-Di = 248m (271yds) Platform 2 - 247m (270yds) PP-C Operational Length Up Direction = 247m (270yds) Operational Length Dn Direction = 247m (270yds) Platform 3 - 248m (271yds) PP-C Operational Length = 247.5m (270.6yds) Operational Length Bi-Di = 247.5m (270.6yds) LOD (P) (Laindon/Pitsea) at 23m 01ch
	18 70		
WEST HORNDON	19 15		
OHNS	20 76		
	22 45 *		
LAINDON	22 69		
	23 05 *		

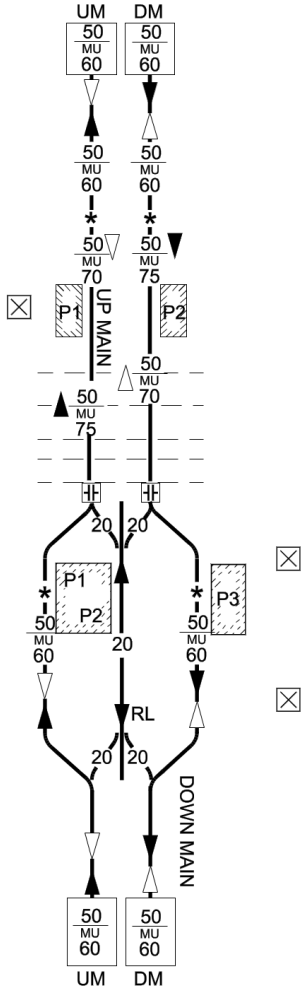
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	010	Fenchurch St to Shoeburyness	FSS2	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
BASILDON	24 26		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford Up Platform 1 - 245.1m (268yds) Operational Length = 245.1m (268yds) Operational Length Bi-Di = 247m (270yds) Down Platform 2 - 248.5m (271.7yds) Operational Length = 248.5m (271.7yds) Operational Length Bi-Di = 248.5m (271.7yds)
OHNS	25 69		
			General instruction applies at (Vange) High Road (Bridge 96) at 26m 03ch
	26 33 *		LOD (P) (Laindon/Pitsea) at 26m 34ch
PITSEA	26 42		Up Platform 1 - 245.1m (268yds) Operational Length = 245.1m (268yds) Operational Length Bi-Di = 247m (270yds) Down Platform 2 - 248.5m (271.7yds) Operational Length = 248.5m (271.7yds) Operational Length Bi-Di = 248.5m (271.7yds)
Pitsea Jn	26 52		LOD (P) (Pitsea/Leigh-on-Sea) at 26m 56ch
			UT - Up Tilbury DT - Down Tilbury UM - Up Main DM - Down main

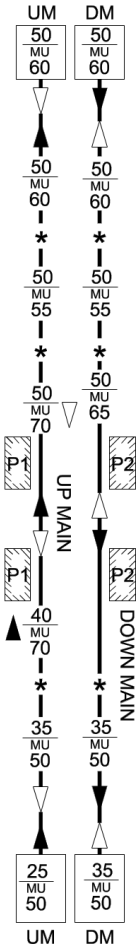
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	011	Fenchurch St to Shoeburyness	FSS2	Anglia	08/01/2024

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UM - Up Main DM - Down Main RL - Reversing Line
	26	68 *		LOD (P) (Pitsea/Leigh-on-Sea) at 29m 11ch
BENFLEET	29	11		Platform 1 - 248.5m (271.7yds) Operational Length = 248.5m (271.7yds) Operational Length Bi-Di = 247m (270yds) Down Platform 2 - 287.5m (314.4yds) Operational Length = 247m (270yds) Operational Length Bi-Di = 248.5m (271.7yds)
Ferry LC (FPW)	29	29		
Brickyard Farm LC (FPS)	29	34		
Kersey No.1 LC (UWC)	30	11	T	
Kersey No.7 LC (UWC)	30	65	T	FWS (SATWS) provided between 32m 30ch & 32m 58ch
Salvation Army Colony 2 LC (UWC)	31	14	T	
OHNS	31	79		LOD (P) (Pitsea/Leigh-on-Sea) at 32m 36ch
LEIGH-ON-SEA	32	43 *		Platform 1 - 247m (270yds) PP-C Operational Length = 247m (270yds) Operational Length Bi-Di = 247m (270yds) Down Platform 2 - 247m (270yds) Operational Length = 247m (270yds) Operational Length Dn-Direction = 247m (270yds) Down Platform 3 - 249m (272yds) PP-C Operational Length = 247m (270yds) Operational Length Bi-Di = 247.5m (270.6yds)
				LOD (P) (Leigh-on-Sea/Southend Central) at 32m 56ch

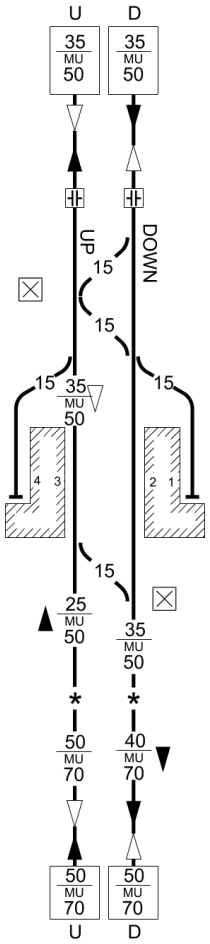
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	012	Fenchurch St to Shoeburyness	FSS2 FSS3	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UM - Up Main DM - Down Main
	33 06 *		
	33 43 *		
CHALKWELL	33 69		Up Platform 1 - 248m (271yds) Operational Length = 244m (266yds) Operational Length Bi-Di = 247m (270yds) Down Platform 2 - 249m (272yds) Operational Length = 249m (272yds) Operational Length Bi-Di = 247.5m (270.6yds)
WESTCLIFF-ON-SEA	34 66		Up Platform 1 - 248.5m (271.7yds) Operational Length = 248.5m (271.7yds) Operational Length Bi-Di = 248.5m (271.7yds) Down Platform 2 - 248.5m (271.7yds) Operational Length = 248.5m (271.7yds) Operational Length Bi-Di = 248.5m (271.7yds)
	35 16 *		

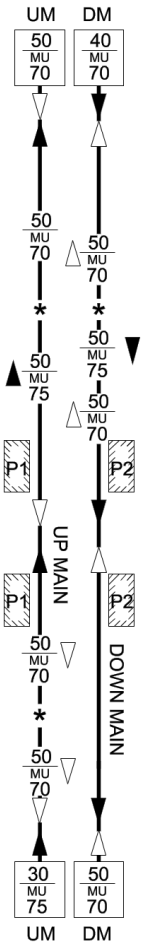
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	013	Fenchurch St to Shoeburyness	FSS3	Anglia	02/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford
OHNS	35 27		LOD (P) (Leigh-on-Sea/Southend Central) at 35m 40ch
SOUTHEND CENTRAL	35 55		Platform 1 - 248m (268yds) PP Platform 2 - 251m (271yds) PP-C Platform 3 - 276m (299yds) PP-C Platform 4 - 248m (268yds) PP LOD (P) (Southend Central Shoeburyness) at 35m 75ch
	35 70 *		

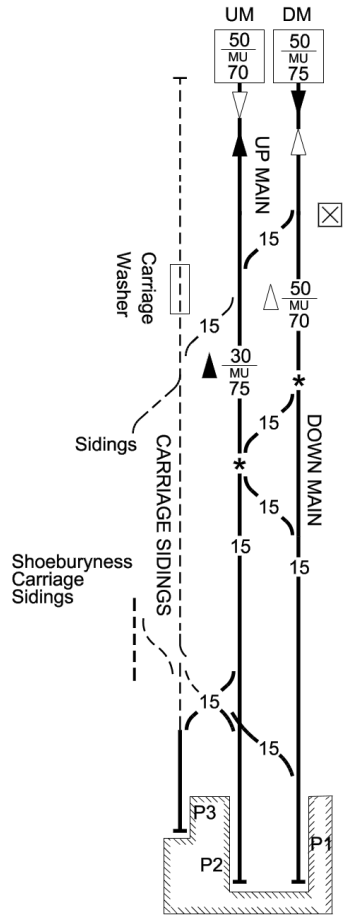
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	014	Fenchurch St to Shoeburyness	FSS3	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UM - Up Main DM - Down Main
	36 42 *		
SOUTHEND EAST	36 49		Up Platform 1 - 247m (270yds) Operational Length = 244m (266yds) Operational Length Bi-Di = 247m (270yds) Down Platform 2 - 247.5m (270.6yds) Operational Length = 247.5m (270.6yds) Operational Length Bi-Di = 247.5m (270.6yds)
THORPE BAY	37 73		Up Platform 1 - 247m (270yds) Operational Length = 244m (266yds) Operational Length Bi-Di = 247m (270yds) Down Platform 2 - 247.5m (270.6yds) Operational Length = 247.5m (270.6yds) Operational Length Bi-Di = 247.5m (270.6yds)
	38 48 *		

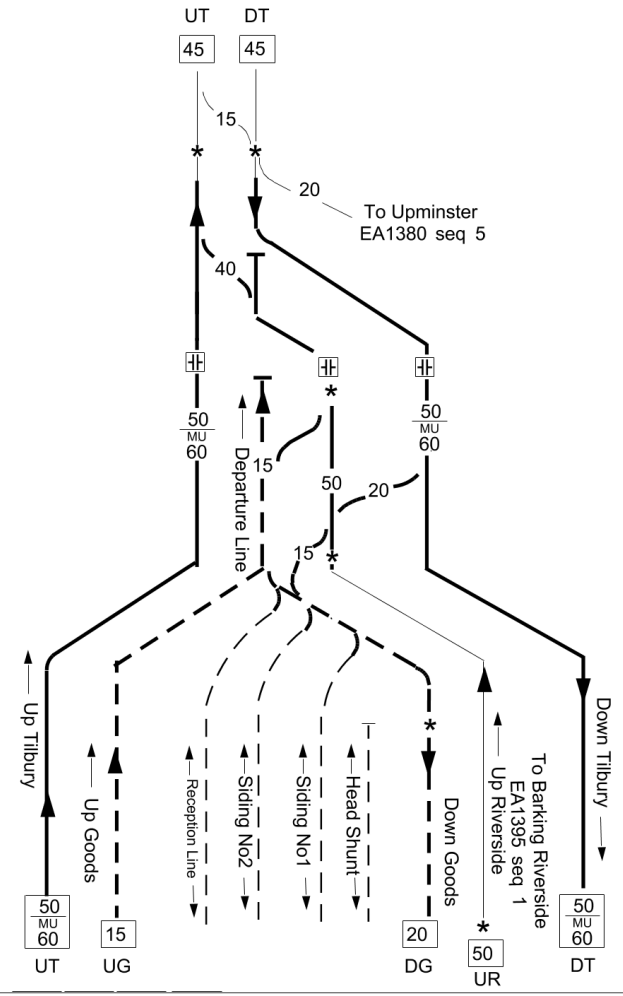
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1380	015	Fenchurch St to Shoeburyness	FSS3	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UM - Up Main DM - Down Main LOD (P) (Southend Central Shoeburyness) at 38m 74ch
	39 15 *		
	39 18 *		
SHOEBURYNESS	39 40		Platform 1 - 254m (277yds) PP Operational Length = 249.5m (272yds) Platform 2 - 254m (277yrds) PP Operational Length = 250m (273yds) Platform 3 - 185m (202yds) PP Operational Length = 183m (200yds)

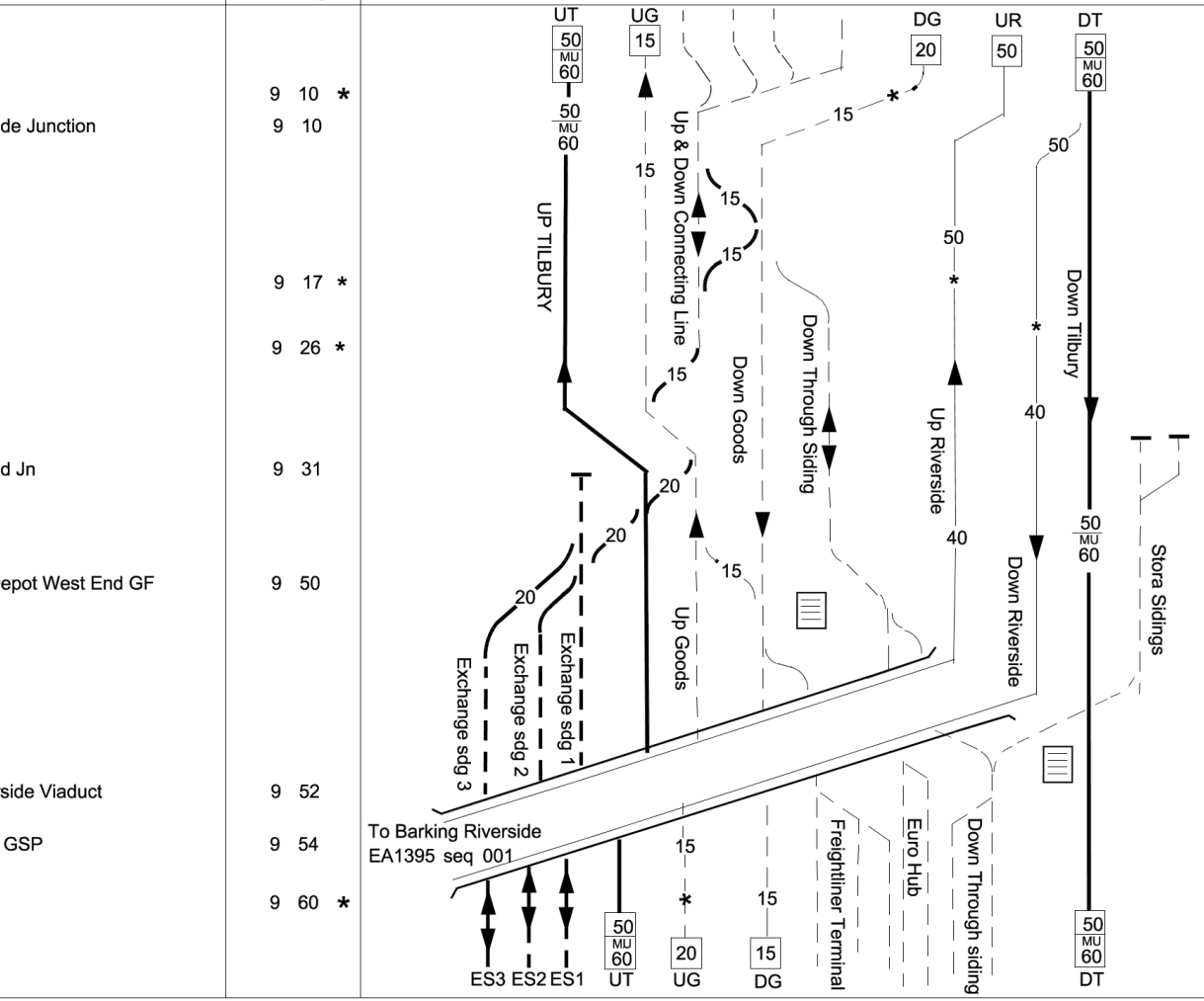
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	001	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL BKR FSS2	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Barking Tilbury Line Jn East	7 60 *		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UT - Up Tilbury DT - Down Tilbury UG - Up Goods DG - Down Goods UR - Up Riverside
OHNS	7 79		
	8 00 *		
Ripple Lane West Yard Jn	8 60		
	8 68 *		
Ripple Lane Yard			

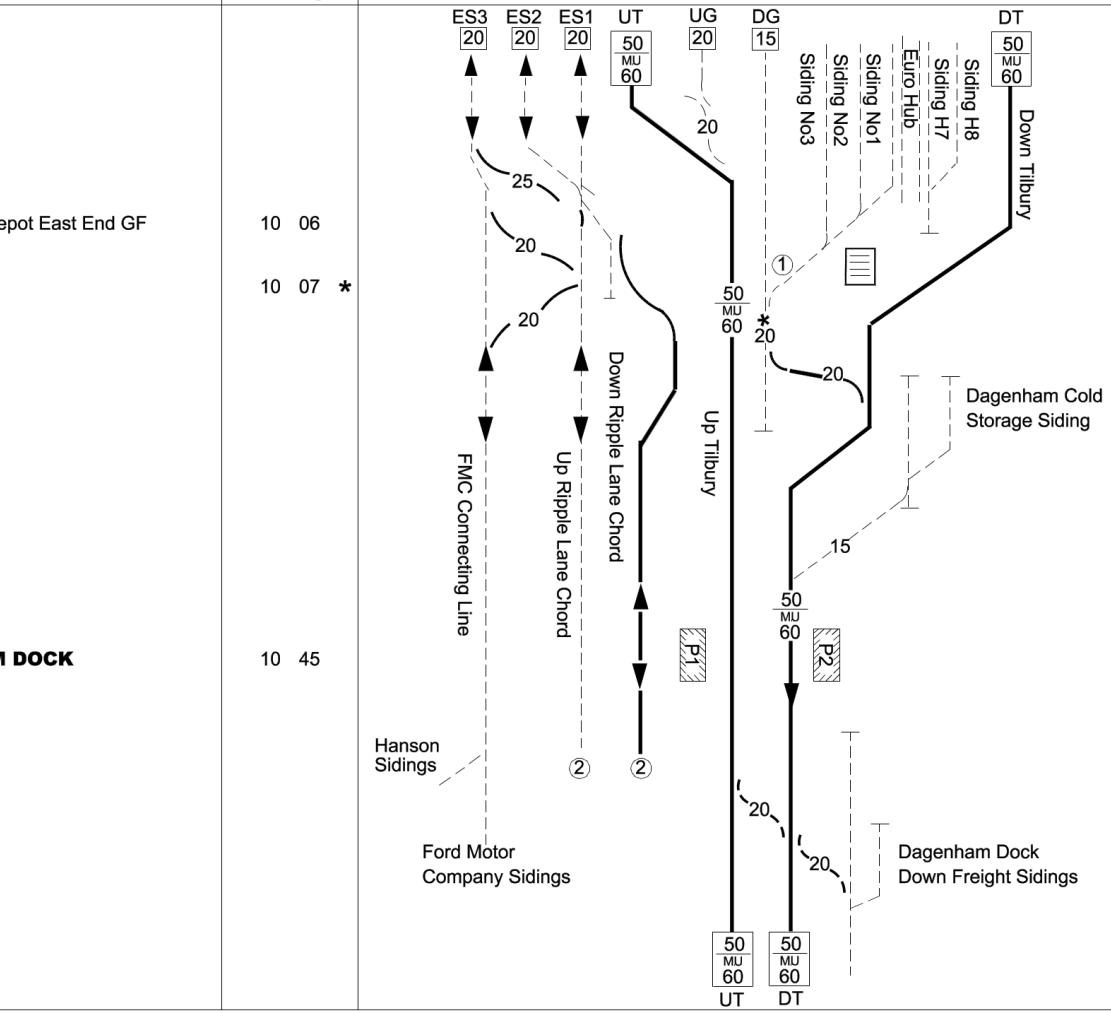
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	002	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL BKR	Anglia	09/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Down Riverside Junction	9 10 *		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UT - Up Tilbury DT - Down Tilbury UG - Up Goods DG - Down Goods UR - Up Riverside ES1 - Exchange Siding 1 ES2 - Exchange Siding 2 ES3 - Exchange Siding 3
	9 10		
	9 17 *		
	9 26 *		
Renwick Road Jn	9 31		
Freightliner Depot West End GF	9 50		
Barking Riverside Viaduct	9 52		Up and Down Goods Lines not electrified.
Stora Sidings GSP	9 54		
	9 60 *		Exchange Sidings 1,2&3 are Goods Running Lines

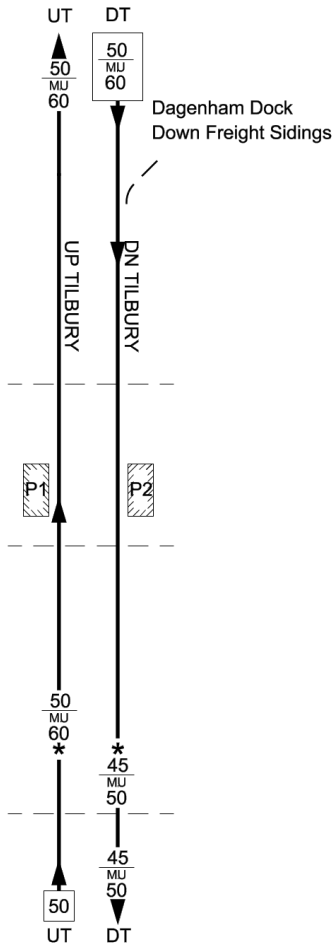
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	003	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL	Anglia	09/09/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Freightliner Depot East End GF	10 06		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UT - Up Tilbury DT - Down Tilbury UG - Up Goods DG - Down Goods ES1 - Exchange Sidings 1 ES2 - Exchange Sidings 2 ES3 - Exchange Sidings 3 ① Down Goods not permissive from UR813 Exchange Sidings 1-3 & the Ford Motor Company Connecting line are Goods running Lines Up & Down Goods LInes not electrified
	10 07 *		
DAGENHAM DOCK	10 45		Up Platform 1 - 247.7m (270.8yds) Operational Length = 247.7m (270.8yds) Up Platform 2 - 260.7m (285.1yds) Operational Length = 249m (272yds) ② To CTRL lines (Ashford IECC)

Anglia Route Sectional Appendix Module AR2

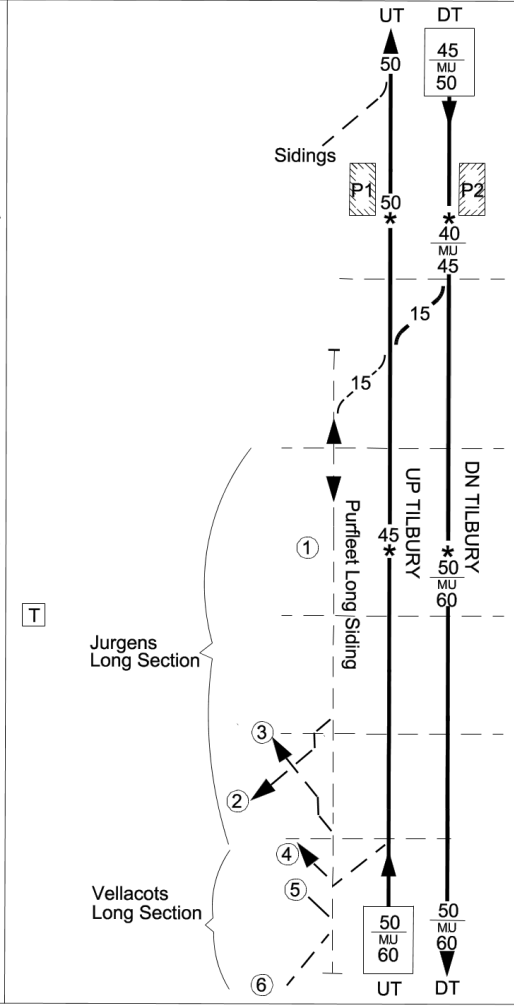
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	004	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UT = Up Tilbury DT = Down Tilbury
Manor Way LC (CCTV)	12 02		
RAINHAM	12 54		
Rainham LC (CCTV)	12 60		Up Platform 1 - 247.8m (271yds) Operational Length = 247.8m (271yds) Up Platform 2 - 246.3m (269.3yds) Operational Length = 243.5m (266.2yds)
	15 07 *		
Purfleet Rifle Range LC (UWC)	15 27		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	005	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL	Anglia	12/12/2022

Location	Mileage M	Mileage Ch	
PURFLEET	16	02	
	16	03	*
Purfleet LC (CCTV)	16	07	
Thames Board Mills LC	16	38	
	16	42	*
Esso LC (UWC)	16	49	
Deep Wharf Siding	16	67	
Deep Wharf LC	16	68	
Foster Yeoman Siding	17	06	
Jurgens LC (MCB)	17	25	
Former Van Den Burghs Siding (OOU)	17	37	
West Thurrock Tarmac Terminal	17	53	
Thames Matex Siding (OOU)	17	55	
	17	74	



GSM-R

TCB Upminster IECC (UR)
RA8 AC: Romford

UT- Up Tilbury
DT- Down Tilbury

Up Platform 1 - 248.2m (271.4yds)
Operational Length = 244.8m (267.7yds)
Up Platform 2 - 266.2m (291.1yds)
Operational Length = 246m (269yds)

① See Local Instructions for Purfleet Long Siding

② Deep Wharf Siding

③ Foster Yeoman Sidings

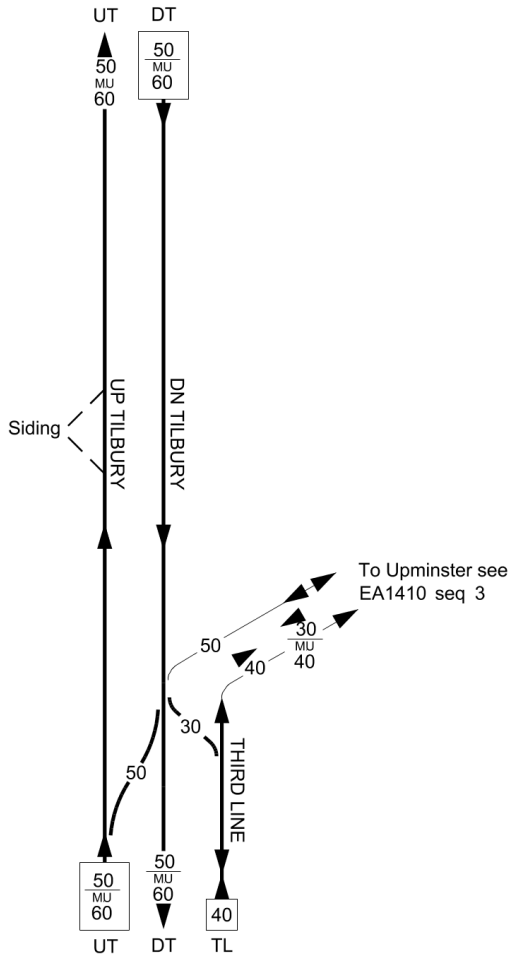
④ Former Van Den Burghs Siding (OOU)

⑤ West Thurrock Tarmac Terminal

⑥ Thames Matex Siding (OOU)

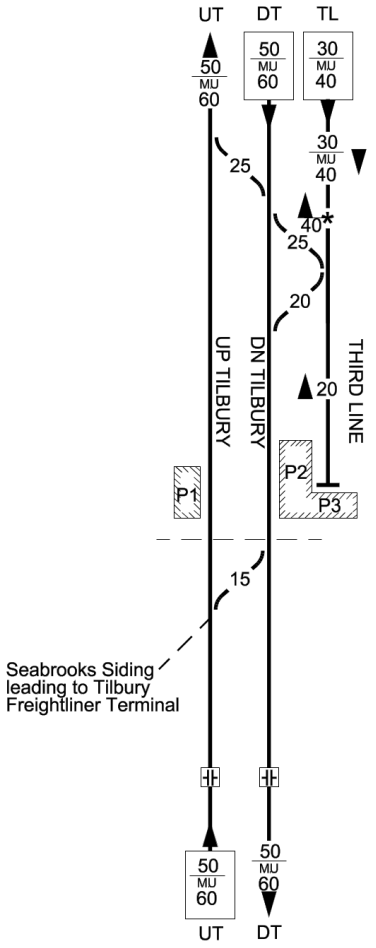
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	006	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL UPG	Anglia	30/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Procter & Gamble Siding	18 65		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford
West Thurrock Jn.	19 03		

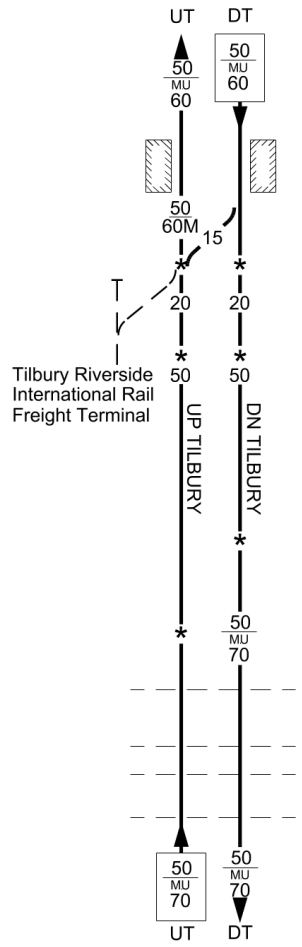
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	007	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL UPG	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UT - Up Tilbury DN - Down Tilbury TL - Third Line
	19 48 *		
GRAYS	19 70		Platform 1 - 239.5m (261.9yds) Operational Length = 239.5m (261.9yds) Platform 2 - 260.5m (284.8yds) Operational Length Dn Direction = 255.7m (279.6yds) Operational Length Up Direction = 255.7m (279.6yds) Platform 3 - 187.5m (205yds) Operational Length = 163m (178yds)
Grays LC (CCTV)	19 76		
OHNS	21 07		

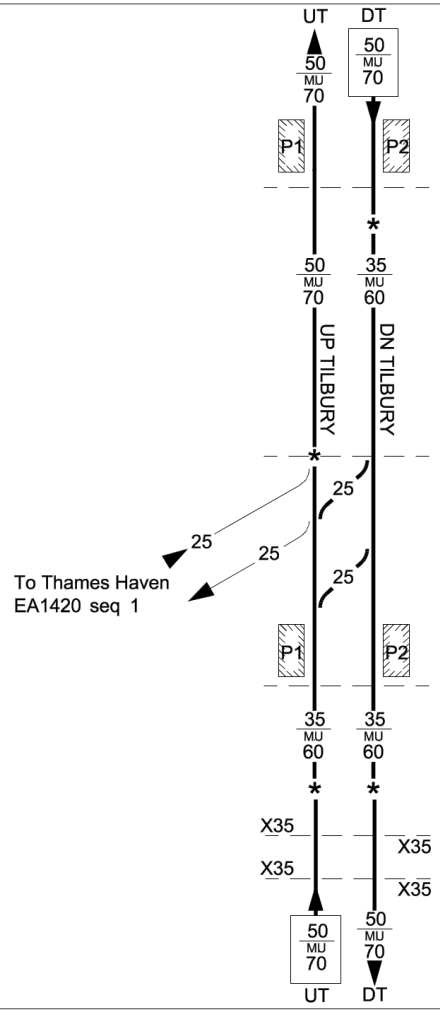
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	008	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL	Anglia	11/09/2021

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Upminster IECC (UR) RA8 AC: Romford
TILBURY TOWN	21	48			Up Platform - 249 metres (270 yards) Down Platform - 247 metres (269 yards)
Former Tilbury West Jn	22	06	*		
Tilbury Riverside International Rail Freight Terminal	22	30	*		
	22	38	*		
	22	46	*		
Walton Common LC	23	40		T	
No. 168 LC	24	02		T	
Low Street LC (CCTV)	24	11			
Coal Road LC	24	43		T	

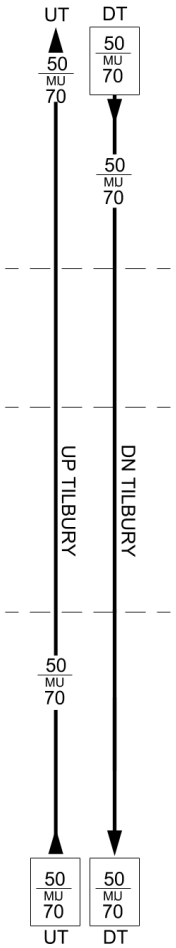
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	009	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL THN	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			TCB Upminster IECC (UR) RA8 AC: Romford GSM-R UT - Up Tilbury DT - Down Tilbury
EAST TILBURY	25 07		
East Tilbury LC (CCTV)	25 12		Up Platform 1 - 247.4m (270.5yds) Operational Length = 247.4m (270.5yds) Down Platform 2 - 247.6m (270.7yds) Operational Length = 243.6m (266.4yds)
	25 67 *		
Mucking LC (AHBC)	26 40 *		Mucking LC is not provided with Treadles
Thames Haven Jn	26 41		
STANFORD-LE-HOPE	27 13		Up Platform 1 - 255.4m (279.3yds) Operational Length = 255m (279yds) Down Platform 2 - 254.4m (278.2yds) Operational Length = 246.6m (269.6yds)
Stanford-le-hope LC (CCTV)	27 17		
	27 65 *		
Jefferies FP LC (R/G - X)	28 02		
Fobbing LC (AHBC-X)	30 36		Fobbing LC is not provided with Treadles

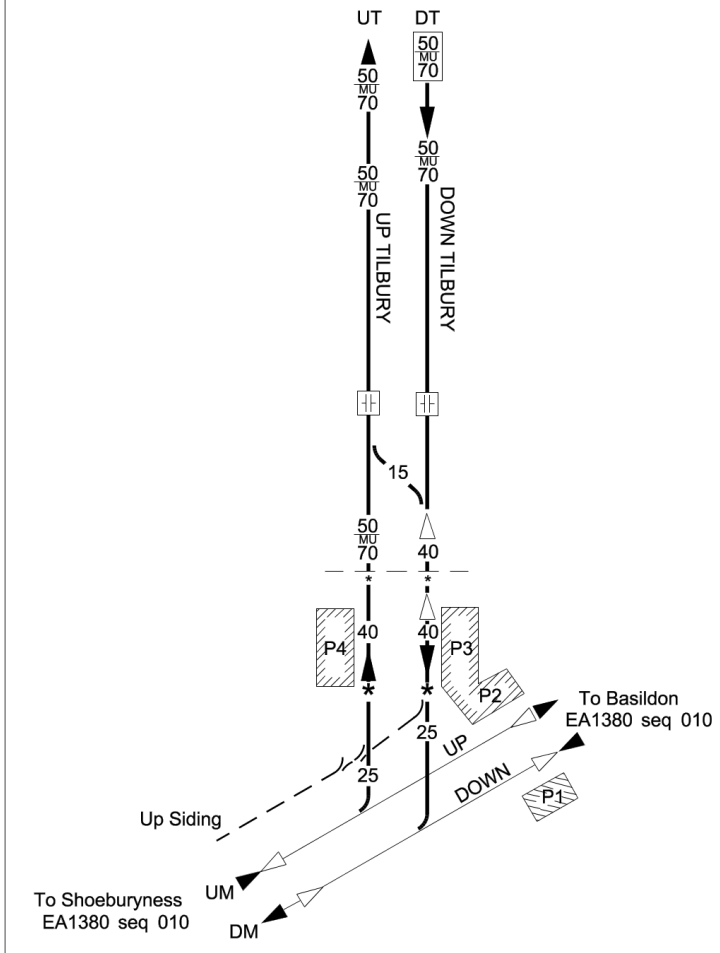
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	010	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL	Anglia	11/09/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Gardners LC (CCTV)	30 75		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford
Merrings LC (UWC)	31 11	T	
Vange Wharf LC (CCTV)	31 43		

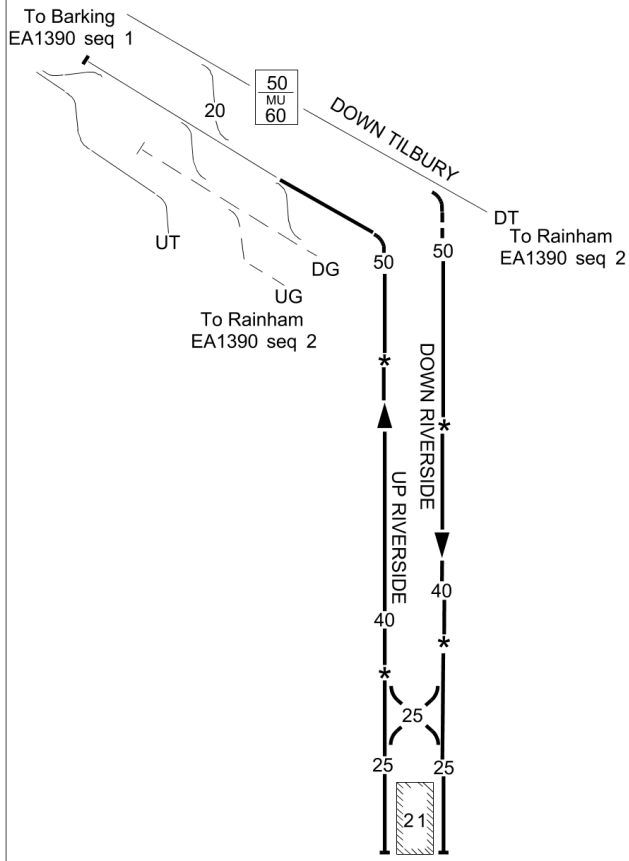
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1390	011	Barking Tilbury Line Jn East to Pitsea Jn (via Tilbury)	TLL FSS2	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
OHNS	32 14		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford UM - Up Main DM - Down Main
	32 19		
Pitsea Hall LC (CCTV)	32 24 *		
PITSEA	32 37		Platform 3 - 254.9m (278.7yds) PP-C Operational Length Dn Direction = 249m (272yds) Operational Length Up Direction = 248.5m (271.7yds) Platform 4 - 248.5m (271.7yds) PP-C Operational Length Dn Direction = 248.5m (271.7yds)
	32 38 *		
Pitsea Jn	32 43		

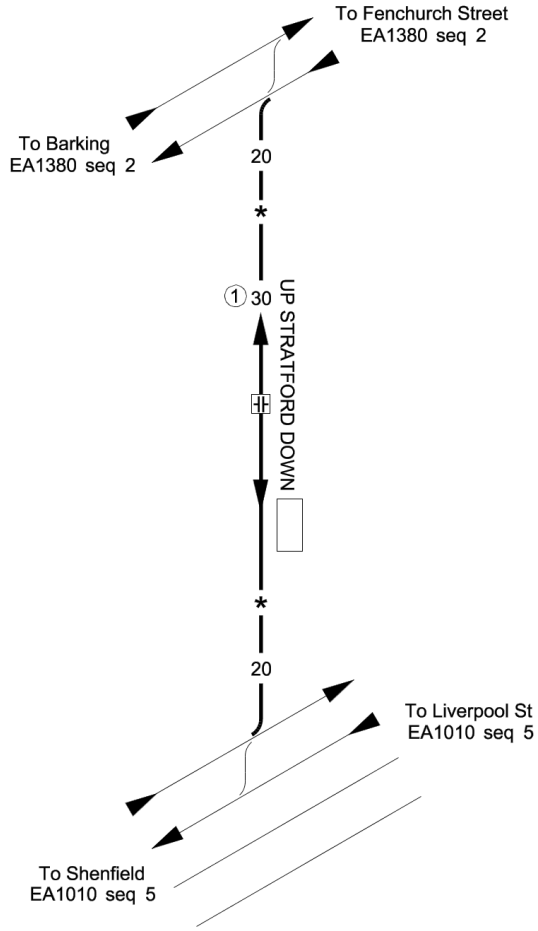
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1395	001	Barking Riverside Jn to Barking Riverside	BKR	Anglia	04/04/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Barking Tilbury Line Jn East	7 60		GSM-R TCB Upminster IECC (UR) RA8 AC : Romford UR - Up Riverside DR -Down Riverside UT - Up Tilbury DT -Down Tilbury DG -Down Goods UG -Up Goods
Ripple Lane West Yard Jn	8 60		
Down Riverside Junction	9 10		
	9 17 *		
	9 26 *		
	10 15 *		
	10 19 *		
BARKING RIVERSIDE	10 26		Platform 1 - 110m (120 yds) Platform 2 - 110m (120 yds)

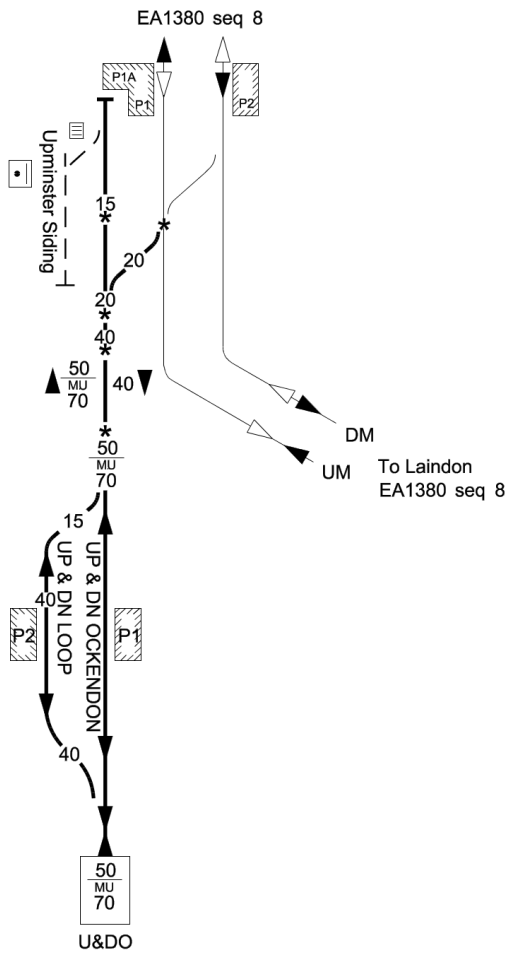
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1400	001	Gas Factory Jn to Bow Jn	GFB FSS1 LTN1 BDM	Anglia	03/09/2022

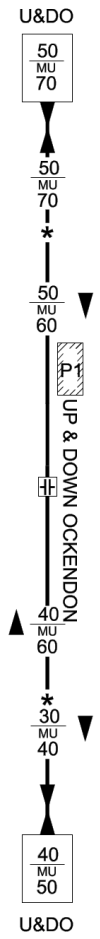
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford
Gas Factory Jn	2 57		
	2 59 *		
			① Light locomotives & locomotive hauled trains not to exceed 20mph.
OHNS	2 75		
			Liverpool St IECC (L)
Bow Road (Closed)	3 07		
	3 16 *		
			General instruction applies at Fairfield Road (Bridge 609) at 3m 18ch
Bow Jn	3 24		
	(2 69)		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1410	001	Upminster to West Thurrock Jn	UPG FSS2	Anglia	12/12/2022

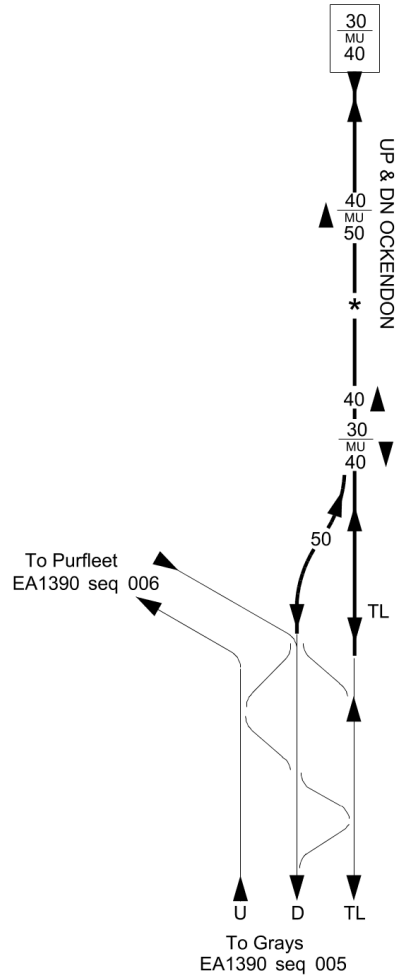
Location		Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
UPMINSTER		15 20		GSM-R TCB Upminster IECC (UR) RA8 AC: Romford U&DO = Up & Dn Ockendon UM = Up Main DM = Down Main Platform 1A - 142.9m (156.2yds) Operational Length = 127m (138yds)
Upminster GF		15 36		
Upminster (UR)	IECC	15 38		
Upminster East Jn		15 39		
		0 00		
		00 03 *		
		00 20 *		
		00 29 *		
OCKENDON		3 05		Platform 1 - 248.7m (271.9yds) Operational Length Dn Direction = 247.4m (270.5yds) Operational Length Dn Direction = 248.7m (271.9yds) Platform 2 - 247.8m (271yds) Operational Length Dn Direction = 247.8m (271yds) Operational Length Dn Direction = 247.8m (271yds)

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1410	002	Upminster to West Thurrock Jn	UPG	Anglia	12/12/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford U&DO - Up & Down Ockendon
CHAFFORD HUNDRED	5 38		Platform 1 - 292.9m (320.3yds) Operational Length Dn Direction = 292.9m (320.3yds) Operational Length Dn Direction = 292.9m (320.3yds)
OHNS	6 15		
	6 23 *		

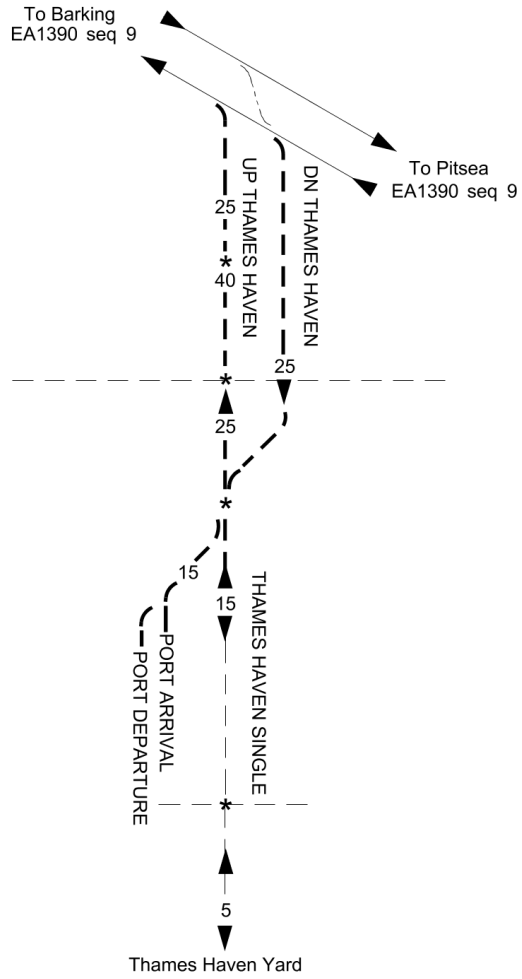
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1410	003	Upminster to West Thurrock Jn	UPG TLL	Anglia	30/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Upminster IECC (UR) RA8 AC: Romford
	6 45 *		
	6 56		
West Thurrock Jn.	19 03		TL - Third Line

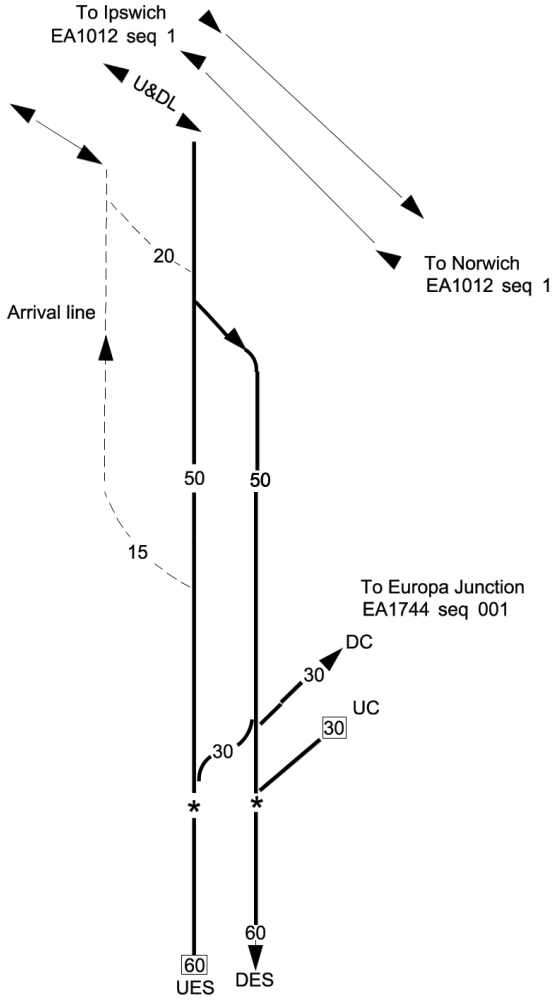
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1420	001	Thames Haven Jn to Thames Haven	THN TLL	Anglia	30/07/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Thames Haven Jn	26 41		GSM-R TCB Upminster IECC RA8 AC: Romford TPWS is not provided on this route
	26 70 *		
	28 09		Infrastructure Boundary
Port Jn	28 33 *		
No.43 Gate LC (TMO)	29 74 *		
Thames Haven Shunter's Cabin	30 18		

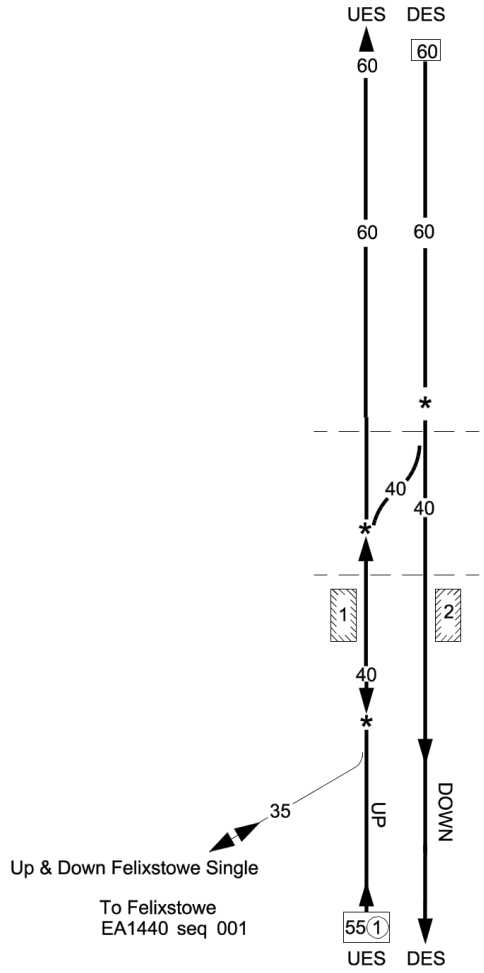
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	001	East Suffolk Jn to Oulton Broad North	ESK LTN1 BFC	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
East Suffolk Jn	69 41		GSM-R TCB Colchester SB (CO) RA8 Ipswich panel U&DL - Up and Down Lowestoft DC - Down Bacon Factory Curve UC - Up Bacon Factory Curve DES - Down East Suffolk UES - Up East Suffolk
Boss Hall Jn	70 04 *		

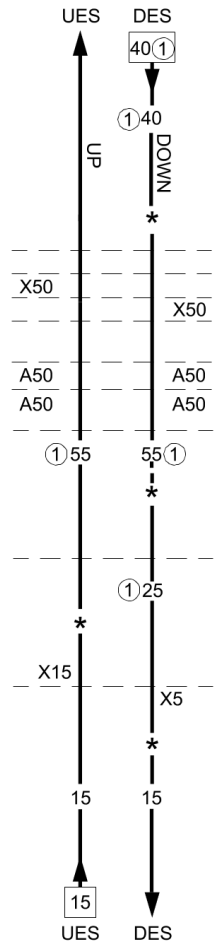
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	002	East Suffolk Jn to Oulton Broad North	ESK ESK	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA8 Felixstowe Workstation General instruction applies at Bramford Lane (Bridge 406) at 70m 35ch DES - Down East Suffolk UES - Up East Suffolk
	72 00 *		
Westerfield LC (FPS)	72 05		
	72 14 *		Up Platform 1 - 100m (109yds) Operational Length (Up Direction) - 71m (77yds) Operational Length (Dn Direction) - 91m (99yds)
Westerfield Station LC MCB-CCTV	72 16		
WESTERFIELD	72 20		Down Platform 2 - 94m (103yds) Operational Length - 88m (96yds)
	72 22 *		TCB Saxmundham (ES)
Westerfield Jn	72 23		① Where permissible, Nuclear Flask trains may run at a maximum speed of 40mph, but not exceed 20mph when approaching an automatic level crossing. Other freight trains not to exceed 20 mph

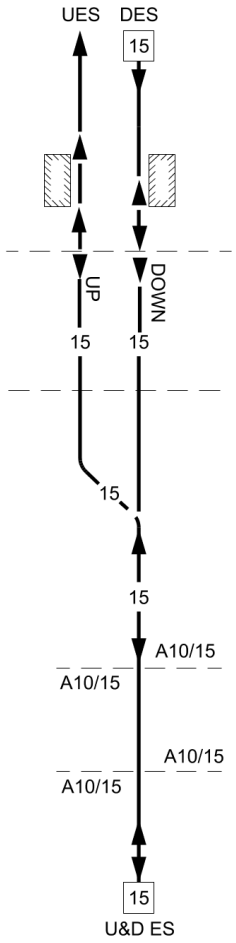
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	003	East Suffolk Jn to Oulton Broad North	ESK	Anglia	13/08/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Saxmundham SB (ES) RA7 DES - Down East Suffolk UES - Up East Suffolk (1) Where permissible, Nuclear Flask trains may run at a maximum speed of 40mph, but not exceed 20mph when approaching an automatic level crossing. Other freight trains not to exceed 20mph
	72 25	*		
Laceys LC (FPS)	73 45			
Stennetts 1 LC (FPS)	74 04			
Stennetts 2 LC (FP-R/G)	75 09			
Playford Lc (FPS) (Formerly Gamekeepers)	75 21			
Lox Farm LC (FPS)	75 60			
Bealings LC (ABCL)	75 79			
Martlesham LC (FPS)	77 22			General instruction applies at Sandy Lane (Bridge 422) at 77m 59ch
	78 53	*		
Kingston Farm LC (UWC)	78 55		T	
	78 59	*		
Jetty Avenue LC (UWC - R/G)	78 66		T	
	78 72	*		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	004	East Suffolk Jn to Oulton Broad North	ESK	Anglia	29/03/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Saxmundham SB (ES) RA7 DES - Down East Suffolk UES - Up East Suffolk Up platform - 142m (130m (141 yd) stop) Down platform - 129m (53m (57 yd) stop)
WOODBRIDGE	79 00		
Ferry Lane LC (MCB-OD)	79 04		
Haywards LC (MCB-OD)	79 07		
Single Line	79 28		
Lime Kiln LC (AOCL+B)	79 29		
Sun Wharf LC (AOCL+B)	79 31		U&D ES - Up & Down East Suffolk

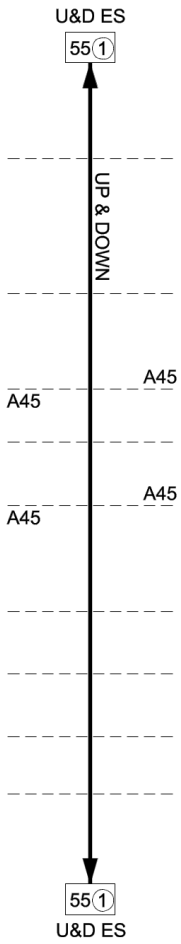
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	005	East Suffolk Jn to Oulton Broad North	ESK	Anglia	09/05/2021

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
			U&D ES 15	GSM-R TCB Saxmundham SB (ES) RA7 U&D ES - Up & Down East Suffolk
	79 32	*	*	
			15 30	① Where permissible, Nuclear Flask trains may run at a maximum speed of 40mph, but not exceed 20mph when approaching an automatic level crossing. Other freight trains not to exceed 20mph
	79 39	*	*	
Maltings LC (UWC-R/G)	79 42	T	40 30	
	79 43	*	*	
Melton Sewage LC (UWC-R/G)	79 54	T	40 55	
	80 05	*	*	
Dock Lane LC (UWC-R/G)	80 06	T		
			20 55	
Bloss LC (UWC)	80 15	T		
	80 25	*	*	
MELTON	80 28		ASTOP	Platform - 66m (56m (60 yds) stop)
Melton LC (AOCL+B)	80 31		A10/20	
			55①	
Ellingers LC (UWC)	80 46	T		
Melton Bromswell LC (FPS)	81 60			
			A50	
Ufford LC (ABCL)	81 60		A50	
Uffold LC (UWC)	82 16	T		
Pettistree LC (FPS)	83 11			
Orchard LC (FPS)	84 17			
WICKHAM MARKET	84 43			Platform - 161m (80m (86 yds))
Wickham Market LC (FPS)	84 64			
			55①	
			U&D ES	

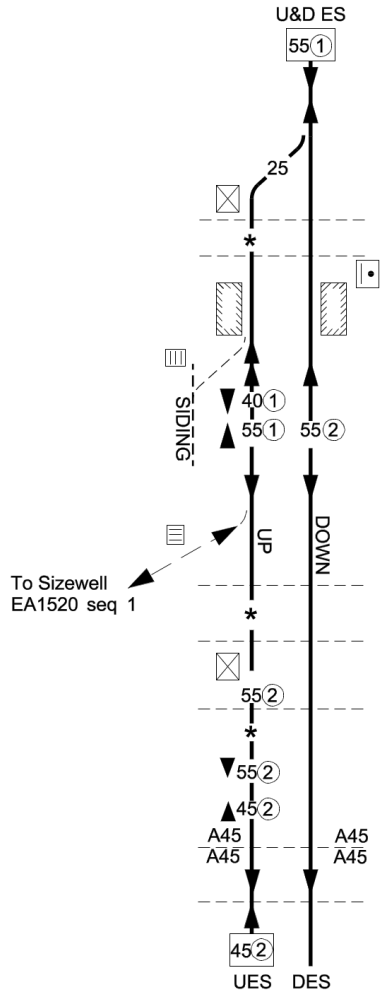
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	006	East Suffolk Jn to Oulton Broad North	ESK	Anglia	04/10/2022

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Saxmundham SB (ES) RA7 U&D ES - Up & Down East Suffolk ① Where permissible, Nuclear Flask trains may run at a maximum speed of 40mph, but not exceed 20mph when approaching an automatic level crossing. Other freight trains not to exceed 20mph
Blackstock LC (UWC)	85	29	T	
Red House Farm LC (UWC)	85	45	T	
Blaxhall LC (AOCL+B)	86	31		
Blaxhall LC (FPS)	86	76		
Beversham LC (ABCL)	87	15		
Snape LC (UWC)	88	22	T	
Farnham LC (FPS)	88	42		
Benhall LC (FP - R/G)	90	08		
Brick Kiln LC (UWC)	90	30	T	

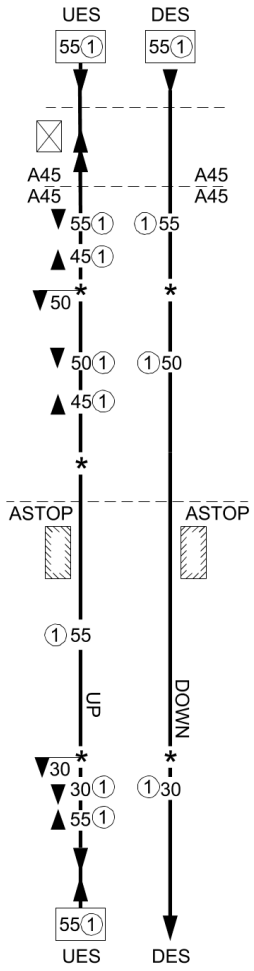
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	007	East Suffolk Jn to Oulton Broad North	ESK SIZ	Anglia	09/12/2023

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Saxmundham SB (ES) RA7 U&D ES - Up & Down East Suffolk (1) Where permissible, Nuclear Flask trains may run at a maximum speed of 40mph, but not exceed 20mph when approaching an automatic level crossing. Other freight trains not to exceed 20mph LOD(P) Up East Suffolk Up platform - 108m (117 yds) Down platform - 71m (77 yds) (2) Freight train speeds not to exceed 20mph
Single line	90	74		
Chantry Road LC (RC)	91	02		
	91	04 *		
Albion Street LC (MCB)	91	07		
Saxmundham SB	91	08		
SAXMUNDHAM	91	11		
	91	20		
Saxmundham Jn	91	40		
	91	41		
Saxmundham LC (FPS)	91	46		
	91	50 *		
Kelsale Red House Farm LC (FPS)	92	54		LOD(P) Up East Suffolk
East Green LC (UWC)	93	06	T	
	93	26 *		
North Green LC (AOCL+B)	93	27		
Fordly Hall LC (FPS)	93	49		DES - Down East Suffolk UES - Up East Suffolk

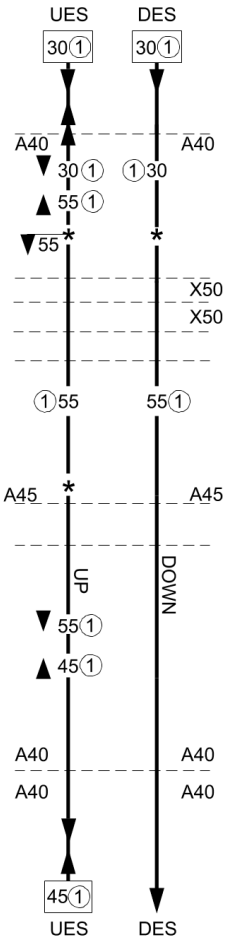
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	008	East Suffolk Jn to Oulton Broad North	ESK	Anglia	13/12/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Saxmundham (ES) RA7 DES - Down East Suffolk UES - Up East Suffolk LOD(P) Up East Suffolk (1) Freight trains not to exceed 20mph
Yoxford LC (FPS) (Formerly Halesworth)	94 16		
Middleton LC (ABCL)	94 52		
	94 53 *		
	95 22 *		
Darsham LC (AHBC)	95 31		
DARSHAM	95 35		Up platform - 147m (159 yds) Down platform - 98m (106 yds)
	95 39 *		

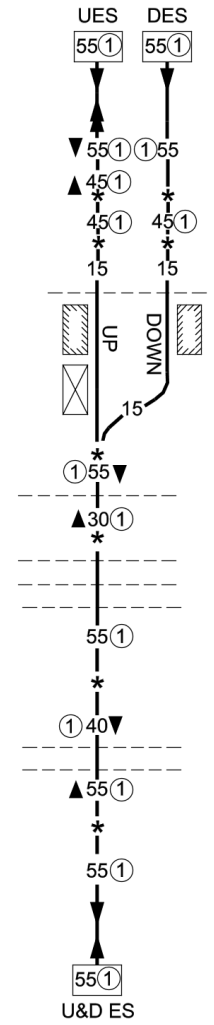
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	009	East Suffolk Jn to Oulton Broad North	ESK	Anglia	25/02/2022

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Saxmundham SB (ES) RA7 ① Freight trains not to exceed 20mph
Willow Marsh LC (AOCL+B)	96	09			
	96	10	*		
Barhams LC (R/G)	96	70		T	
Fieldens LC (UWC R/G)	97	23		T	
Bunkers Hill LC (FPS)	97	58			
Hubbards LC (UWC)	98	12		T	
Bramfield LC (ABCL)	99	19	*		
Mells LC (FPS)	99	38	*		
Wenhaston LC (AOCL+B)	99	52			

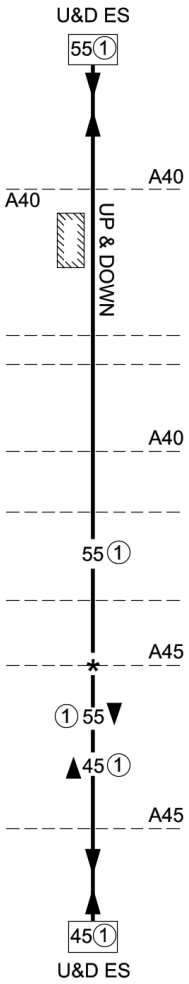
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	0010	East Suffolk Jn to Oulton Broad North	ESK	Anglia	07/05/2017

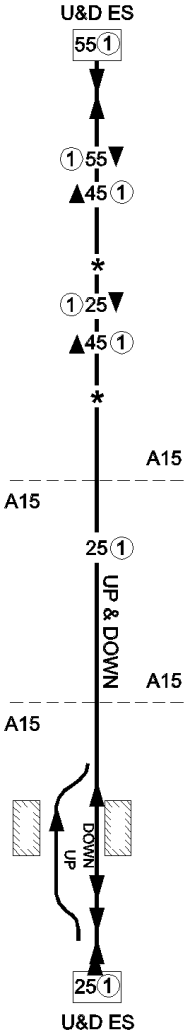
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Saxmundham SB (ES) RA7 DES - Down East Suffolk UES - Up East Suffolk ① Freight trains not to exceed 20mph General instruction applies at Holton Road (Bridge 465) at 100m 39ch
	100	33 *		
	100	49 *		
Halesworth Station LC (SPC)	100	49		
HALESWORTH	100	53		Up platform - 152m (66m (71 yds) stop) Down platform - 96m (66m (71 yds) stop) LOD(P) Up East Suffolk
	100	63 *		
Wissett LC (FPW)	100	74		
	101	04 *		
Fairstead LC (FPS)	101	43		
Millpost LC (FPW)	102	33		
Westhall LC (ABCL)	103	47		
	103	65 *		
Turney's LC (FPW)	104	07		
Mayfield Low LC (FPS)	104	28		
	104	45 *		U&D ES - Up & Down East Suffolk

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	011	East Suffolk Jn to Oulton Broad North	ESK	Anglia	07/05/2017

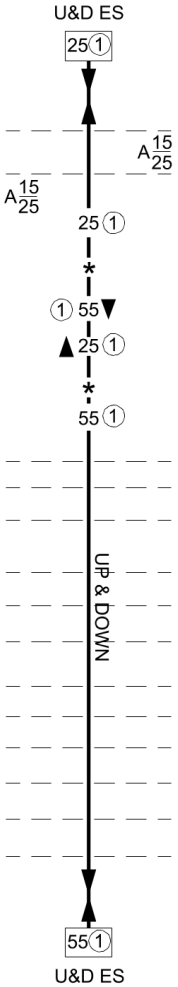
Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Saxmundham SB (ES) RA7 U&D ES - Up & Down East Suffolk ① Freight trains not to exceed 20mph Platform - 152m (106 yd)
Brampton LC (AOCL+B)	104	46			
BRAMPTON	104	49			
Redisham LC (FPS)	105	28			
Webby Wood LC (FPS)	105	69			
Weston LC (AOCL+B)	106	30			
Old Farm LC (FPG)	106	61			
Common Lane LC (FPS)	107	20			
Cromwell Rd LC (ABCL)	107	43	*		
London Road LC (ABCL)	107	68			

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	012	East Suffolk Jn to Oulton Broad North	ESK	Anglia	14/06/2014

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Saxmundham SB (ES) RA7 U&D ES - Up & Down East Suffolk 1 Freight trains not to exceed 20mph
	108 50 *		
	108 59 *		
Ingate Street LC (ABCL)	108 60		
Grove Road LC (ABCL)	108 70		
BECCLES	109 11		Down Platform - 125m (135 yd) Up Platform - 125m (135 yd)

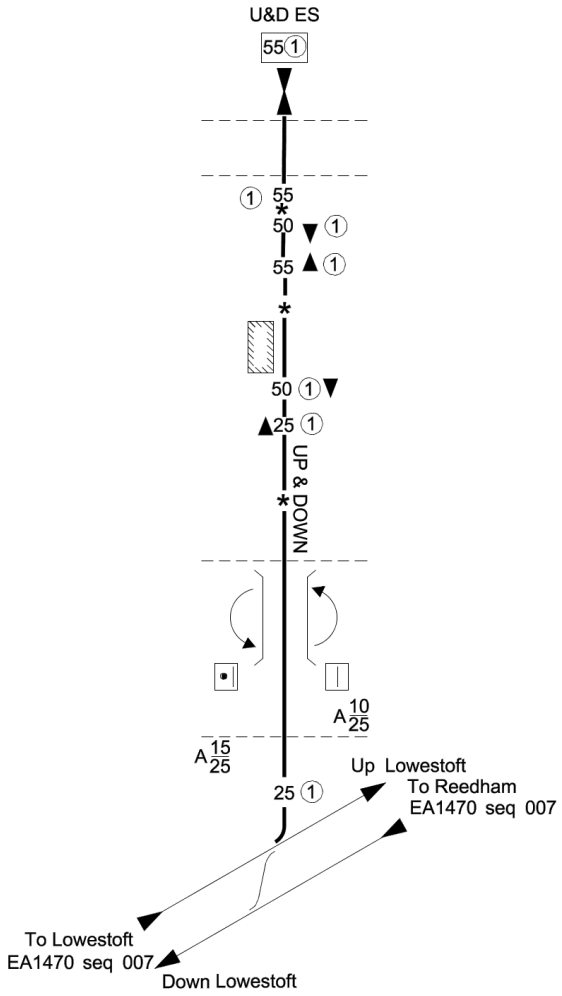
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	013	East Suffolk Jn to Oulton Broad North	ESK	Anglia	28/04/2021

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Saxmundham SB (ES) RA7 U&D ES - Up & Down East Suffolk ① Freight trains not to exceed 20mph
Common Lane North LC (UWC)	109	31			
Beccles By-pass LC (ABCL)	109	49			
	109	50	*		
	109	55	*		
Worlingham LC (UWC-R/G)	110	73		T	
Blowers LC (FPS)	111	45			
North Cove LC (UWC-R/G)	111	71		T	
Low Farm LC (UWC)	112	11		T	
Wadehall Old Dam LC (UWC-R/G)	112	23		T	
Firtree Farm No. 2 LC (UWC)	112	34		T	
Firtree Farm No. 3 LC (UWC)	112	44		T	
Red Oak LC (FPS)	112	75			
Gamekeepers LC (UWC)	113	08		T	
Barnby LC (UWC)	113	23		T	
Wrights LC (UWC - R/G)	113	57		T	
Hillings Road LC (UWC)	114	06		T	

Anglia Route Sectional Appendix Module AR2

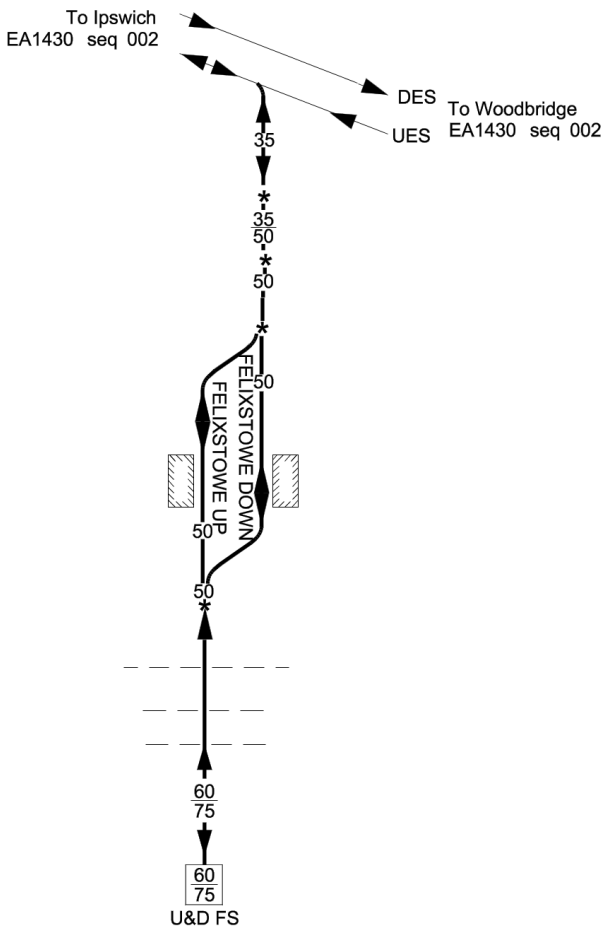
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1430	014	East Suffolk Jn to Oulton Broad North	ESK NOL	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Saxmundham SB (ES) RA7 U&D ES - Up & Down East Suffolk ① Freight trains not to exceed 20mph TCB Colchester, Lowestoft WS (YL) Platform - 138m (149 yds)
Spratts Water LC (UWC)	114 37		
Dawdys LC (AOCL+B)	114 75		
	115 19 *		
	115 38 *		
OULTON BROAD SOUTH	115 42		
	115 46 *		
Victoria Road LC (CCTV)	115 62		
Oulton Broad Swing Bridge	115 76		
Oulton Broad Swing Bridge GF	116 00		
Gravel Pit LC (ABCL)	116 12		
Oulton Broad North Jn	116 27		
	(22 14)		

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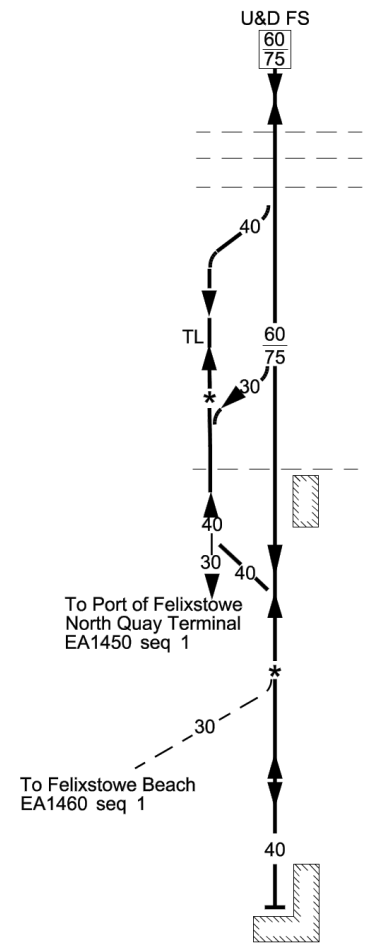
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1440	001	Westerfield Jn to Felixstowe Town	FEL ESK	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Westerfield Jn	72 23		GSM-R TCB Colchester SB (FW) RA7 Felixstowe Workstation
	72 36 *		UES - Up East Suffolk DES - Down East Suffolk U & DFS - Up&Down Felixstowe Single
	74 17 *		
	74 30 *		Derby Road Loop 755m (826yds)
DERBY ROAD	74 67		Up Platform - 137m (80m (87 yds) in use) Down Platform - 137m (74m) in use)
	75 12		
	75 68 *		
Routs No.8 LC (R/G)	77 36		
Shepherd & Dog LC (FPW)	77 39		
Levington Heath LC (FPS)	79 49		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1440	002	Westerfield Jn to Felixstowe Town	FEL TFN FED	Anglia	03/09/2022

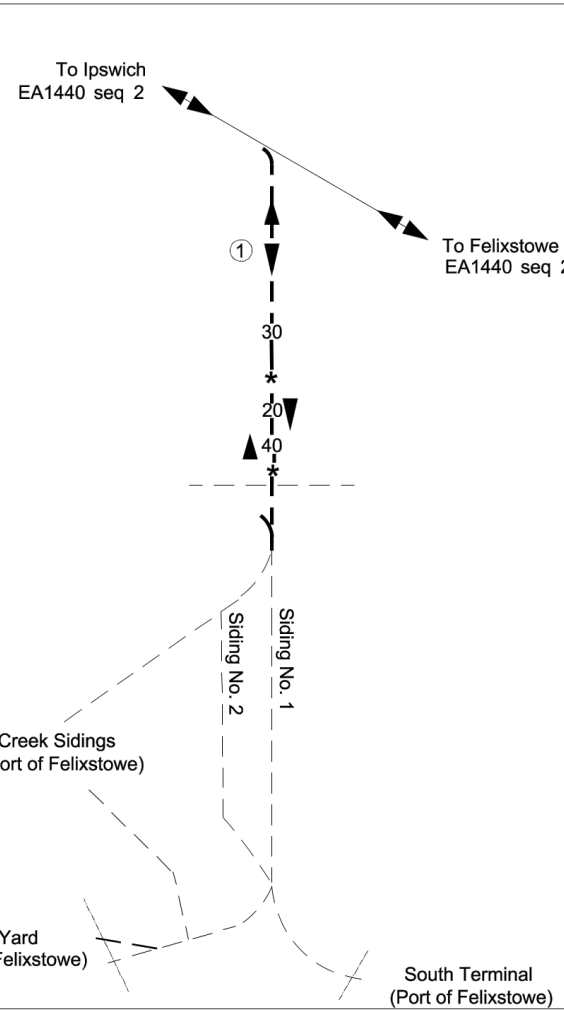
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (FW) RA7 Felixstowe Workstation
Levington LC MCB-OD	80 00		
Morston Hall LC MCB-OD	80 64		
Thorpe Lane LC MCB-OD	81 41		
Gun Lane Junction	81 56		
	82 49 *		TL - Trimley Loop Total Length Between Signals - 902m (986.44 yds) Operational Length - 852m (931.76 yds)
Trimley LC (CCTV)	82 60		
TRIMLEY	82 64		Platform - 141m (154yds) 74m (81 yds) in use)
Felixstowe Beach Jn	83 57 *		
FELIXSTOWE TOWN	84 30		Platform - 127m (137yds)

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1450	001	Trimley to Port of Felixstowe North Quay Terminal	TFN FEL	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			TCB Colchester SB (FW) RA7 Felixstowe Workstation
		To Ipswich EA1440 seq 2	
TRIMLEY	0 00		
Trimley LC (CCTV)	0 00		
	0 12 *	40 * To Felixstowe EA1440 seq 2	
		①	① Up & Down North Quay.
		20	
Network Rail Boundary	0 18		
Port of Felixstowe North Terminal Branch			
(Network Rail Signal at 00m 73ch)		Port of Felixstowe North and Central Terminals	

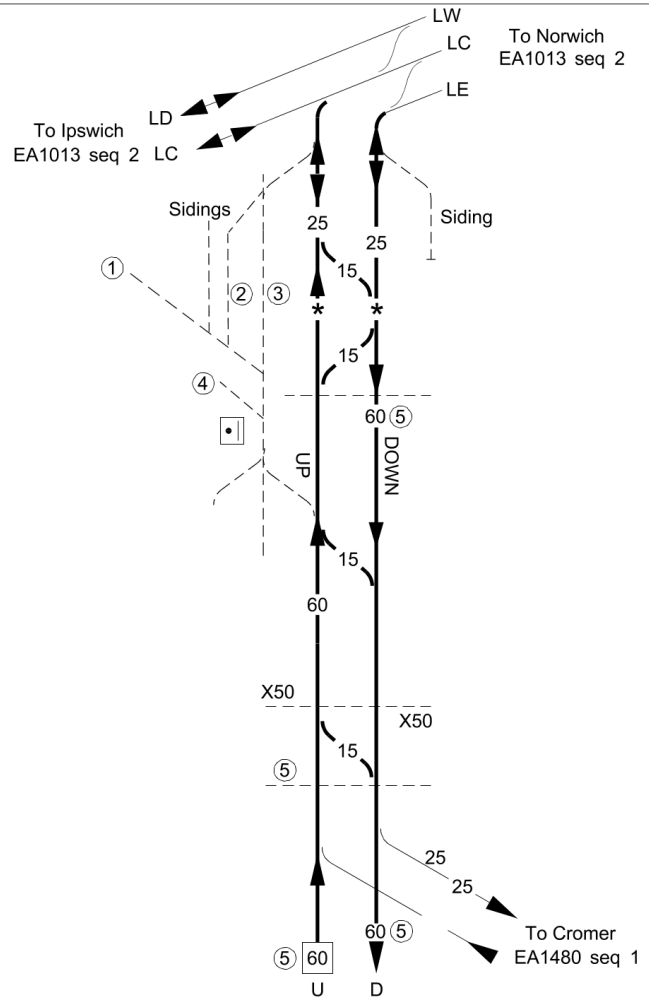
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1460	001	Felixstowe Beach Jn to Felixstowe Beach	FED FEL	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (FW) RA7 Felixstowe Workstation ① Up & Down Felixstowe Curve
Felixstowe Beach Jn	83 57		
	84 10 *		
	84 56 *		
Felixstowe Beach LC(CCTV)	84 69		
Felixstowe Dock Jn	85 22		
Network Rail Boundary Rail Yard	85 29		
Network Rail Boundary South Teminal	85 34		

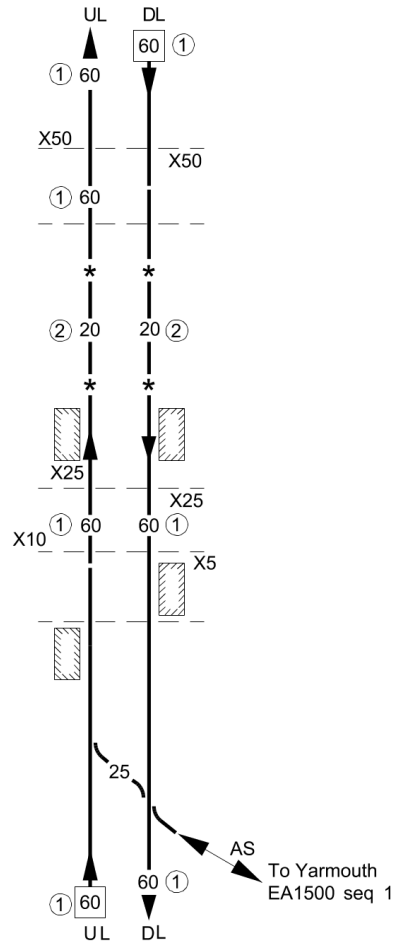
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1470	001	Norwich Thorpe Jn to Lowestoft	NOL LTN2 NCW WCH1	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Thorpe Jn	(123 56)		GSM-R
	0 29		TCB Colchester SB (CO) RA7 Norwich panel
	0 44 *		LC - LINE C LD - LINE D LE - LINE E LW - LINE W
Cremorne Lane LC	0 54		① Wensum Curve (Through Siding) ② Reception Line No.2
Crown Point Control Tower	0 58		③ Reception Line No.1
			④ Crown Point Depot
Wensum Jn	0 60		⑤ Freight trains not to exceed 40 mph
Girlings LC (R/G-X)	1 52		
Whitlingham Lane LC (UWC)	1 63	T	
Whitlingham Jn	1 69		Trowse Swing Bridge SB (TB)

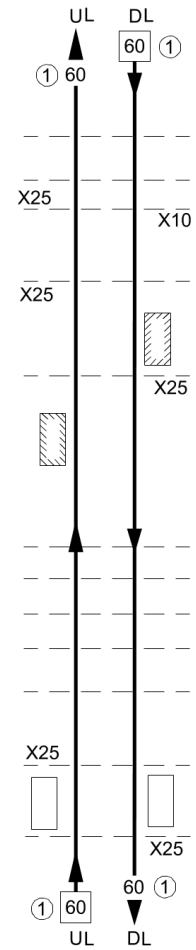
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1470	002	Norwich Thorpe Jn to Lowestoft	NOL NAY	Anglia	27/08/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Trowse Swing Bridge SB (TB) RA7 Axle Counter limits Down Lowestoft line from 2m 64ch Up Lowestoft line to 2m 73ch ① Freight trains not to exceed 40 mph ② DMU and sprinter trains 60 m.p.h TCB Colchester PSB Brundall WS (YL)
Bungalow Lane LC (R/G-X)	2	18	T	
Boundary Lane LC (FPS)	2	65		
	3	41 *		
	3	43 *		
BRUNDALL GARDENS	4	66		Up platform - 58m (63 yds) Down Platform - 58m (63 yds)
Brundall Church LC (R/G-X)	5	20	T	
Bells LC (R/G-X)	5	45	T	
BRUNDALL	5	60		Down Platform - 98m (107 yds)
Brundall LC (CCTV)	5	62		Up Platform - 118m (129 yds)
Brundall Jn	5	73		DL - Down Lowestoft UL - Up Lowestoft AS - Acle Single

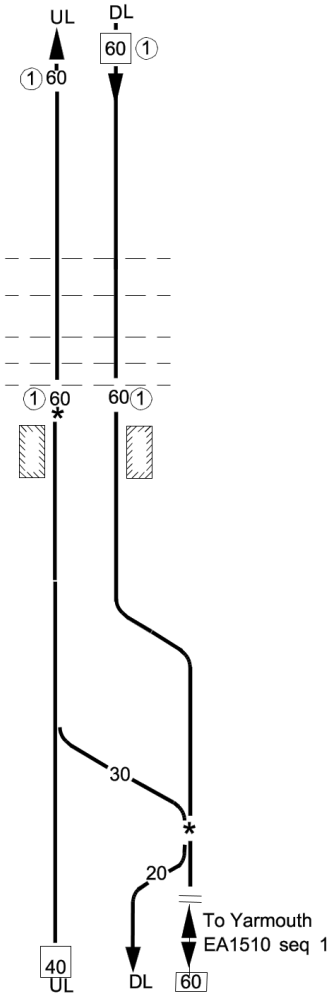
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1470	003	Norwich Thorpe Jn to Lowestoft	NOL	Anglia	16/02/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester PSB Brundall WS (YL) RA7
Lackford Run LC (UWC)	6 30	T	
Tinkers Lane LC (UWC)	6 47	T	① Freight trains not to exceed 40 mph
Strumpshaw Fen LC (R/G-X)	6 74	T	
Strumpshaw LC (CCTV)	7 11		
Markhams LC (FPS)	7 52		
BUCKENHAM	7 62		Down platform - 135m (52m (56yds) in use)
Buckenham LC (R/G-X)	7 62	T	
			Up platform - 60m (64yds)
Earth Wall LC (UWC)	8 60	T	
Goldies LC (UWC)	9 08	T	TCB Colchester PSB Lowestoft WS (YL)
Barn End LC (UWC)	9 18	T	
School Lane LC (UWC)	9 38	T	
Burnt House LC (UWC)	9 62	T	
Cantley Church LC (R/G-X)	9 74	T	
CANTLEY	10 00		
Cantley LC (CCTV)	10 03		DL - Down Lowestoft UL - Up Lowestoft

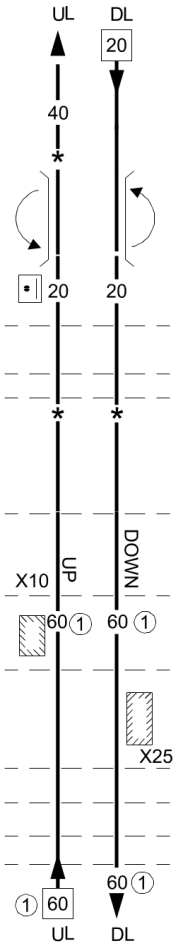
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1470	004	Norwich Thorpe Jn to Lowestoft	NOL RBY	Anglia	27/08/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				TCB Colchester PSB Lowestofts WS (YL) RA7 GSM-R
Limpenhoe LC (UWC)	10	52		
Basins LC (UWC)	11	09	T	① Freight trains not exceed 40mph
Hillside Farm LC (UWC)	11	23	T	
Double Crossing LC (UWC)	11	35	T	
Gurney Wood LC (UWC)	12	07		Up Platform - 175m (139m (151 yds) in use)
	12	10 *		
REEDHAM	12	13		Down Platform - 192m (123m (133 yds) in use)
Reedham Jn	12	49 *		DL - Down Lowestoft, UL - Up Lowestoft

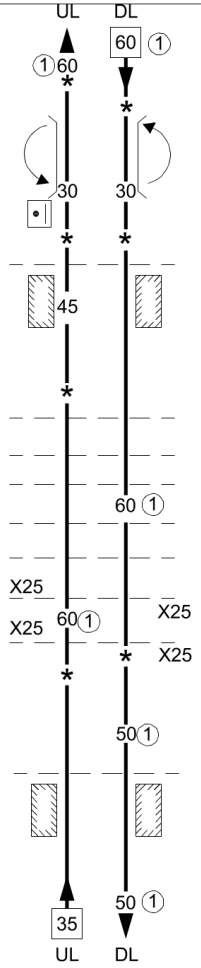
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1470	005	Norwich Thorpe Jn to Lowestoft	NOL	Anglia	16/02/2020

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Colchester PSB Lowestoft WS (YL) RA7
	12 52	*		① Freight trains not to exceed 40 mph
Reedham Swing Bridge Operations Cabin	13 06			
Norton Marsh 1 LC (UWC)	13 34	T		
New Cut LC (UWC)	13 43	T		
Crawford LC (UWC)	13 44	T		
	13 45	*		
Mill Hill Farm LC (UWC)	15 26			
River Board LC (R/G-X)	16 01	T		
Haddiscoe Station LC (SPC)	16 10	T		
HADDISCOE	16 11			Up platform - 46m (49yds) Down platform - 182m (85m (92yds) in use)
Herringfleet LC (UWC)	16 57	T		
Skoulding LC (UWC)	16 72	T		
Landspring Beck LC (UWC)	17 15	T		
Wheatacre LC (UWC)	17 30	T		
				DL - Down Lowestoft UL - Up Lowestoft

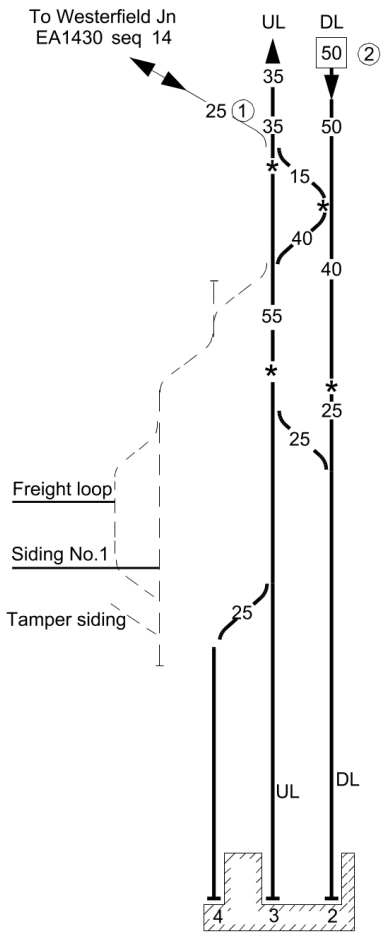
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1470	006	Norwich Thorpe Jn to Lowestoft	NOL	Anglia	16/02/2020

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	17 48 *		TCB Colchester PSB Lowestoft WS (YL) RA7 GSM-R
	17 51 *		
Somerleyton Swing Bridge Operations Cabin	17 60		① Freight trains not to exceed 40 mph
	17 63 *		
Somerleyton Station LC (UWC)	17 76	T	
SOMERLEYTON	18 00		Up platform - 127m (137yds)
			Down platform - 148m (160yds)
	18 08 *		
Waddling Wood LC (UWC)	18 23	T	
Flatt LC (UWC)	18 60	T	
Blundeston LC (UWC)	19 32	T	
Flixton Marshes LC (UWC)	19 57	T	
Fleet Pump LC (UWC)	20 01	T	
Gravel Dam LC (R/G-X)	20 43	T	
Fisher Row LC (R/G-X)	20 77	T	
	21 70 *		
	22 00 *		
Oulton Broad North LC (CCTV)	22 01		
OULTON BROAD NORTH	22 04		Up platform - 146m (158yds)
			Down platform - 149m (161yds)
			DL - Down Lowestoft
			UL - Up Lowestoft

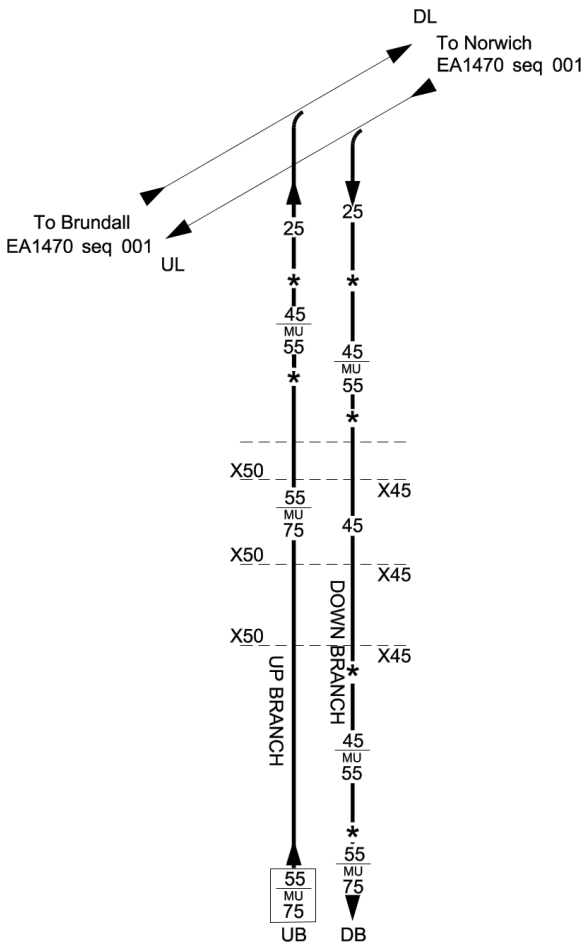
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1470	007	Norwich Thorpe Jn to Lowestoft	NOL ESK	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester PSB Lowestoft WS (YL/ES) RA7
			① Freight trains not to exceed 20m.p.h
Oulton Broad North Jn	22 14		
	22 64 *		
Coke Ovens Junction	22 65		② Freight trains not to exceed 40 mph
	23 19 *		
LOWESTOFT	23 41		Platform 2 - 214m (121m(131yds) in use. PP Platform 3 - 229m (247yds) PP Platform 4 - 215m (235yds) PP DL - Down Lowestoft, UL - Up Lowestoft

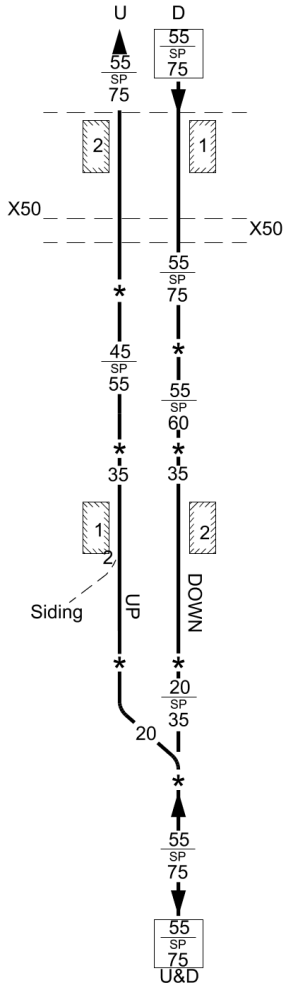
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1480	001	Whitlingham Jn to Cromer	WHC1 NOL	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Trowse Swing Bridge SB (TB) RA6
Whitlingham Jn	1 69		Axle Counter limits Down line 2m 22ch to 8m 6ch Up line 8m 46ch to 2m 12ch
	2 04 *		UL - Up Lowestoft DL - Down Lowestoft UB- Up Branch DB - Down Branch
	3 37 *		
	3 40 *		
Thorpe End LC (FPS)	3 73		
Norwich Road LC (AHBC-X)	4 20		Norwich Road LC is not provided with treadles.
Great Plumstead LC (AHBC-X)	4 52		Great Plumstead LC is not provided with treadles.
Rackheath Road LC (AHBC-X)	5 19		Rackheath Road LC is not provided with treadles.
	5 20 *		
	5 67 *		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1480	002	Whitlingham Jn to Cromer	WHC1	Anglia	09/11/2021

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Trowse Swing Bridge SB (TB) RA6
Salhouse Station LC (SPC)	5 74		
SALHOUSE	5 74		Up platform 2 - 82.3m(90 yds) Operational Length - 75.3m(82.35 yds)
Salhouse Church LC (R/G)	6 37		
Bears Grove LC (FPG)	7 06	T	Down platform 1- 128.8m (140.8 yds) Operational Length - 80.8m(88.3 yds)
	7 60 *		General instruction applies at Stone House Bridge (No. 367) at 6m 52ch
	7 74 *		Axle Counter limits Down line 2m 22ch to 8m 6ch Up line 8m 46ch to 2m 12ch
	8 50 *		
HOVETON & WROXHAM	8 61		Up platform 1 - 93m (107 yds) Down platform 2 - 104m (112 yds)
	9 02 *		
Single line	9 05 *		

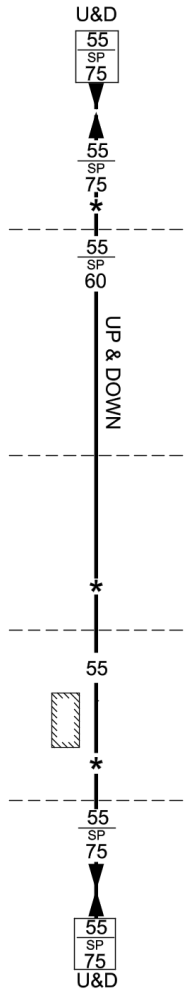
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1480	003	Whitlingham Jn to Cromer	WHC1	Anglia	24/09/2023

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
			U&D 55 MU 75	GSM-R TCB Trowse Swing Bridge SB (TB) RA6
				General instruction applies at Belaugh Bridge (Bridge 375) at 9m 40ch
			55 MU 75	
Belaugh Lane LC (AHBC)	10	01	T UP & DOWN	Axle Counter limits Single line 9m 64ch to 15m 8ch
Coltishall Lane LC (AHBC)	10	30	T	
Tunstead Market Street LC (AHBC)	10	49		Tunstead Market Street Level Crossing is not provided with treadles
Watering Pit Lane LC (UWC)	10	68	T	
Tunstead LC (FPS)	11	10		
Tunstead Church Lane LC (UWC R/G)	11	29	T	
			55 MU 75 U&D	

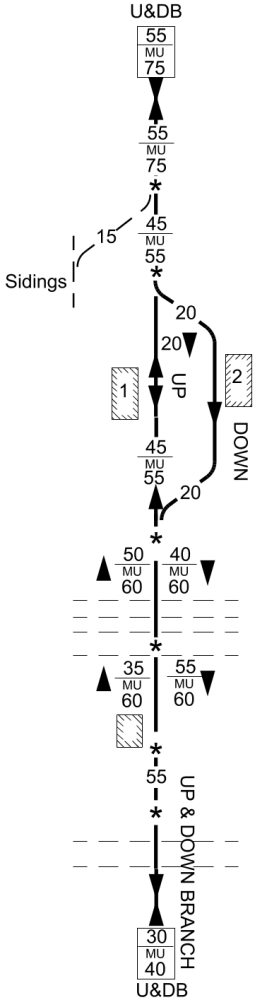
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1480	004	Whitlingham Jn to Cromer	WHC1	Anglia	04/06/2017

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Trowse Swing Bridge SB (TB) RA6
Sloley Church Lane LC (AHBC)	12 10 * 12 17		Sloley Church Lane level crossing is not provided with treadles
			General instruction applies at Sloley Chapel Bridge (No. 377) at 12m 37ch
Broad Road LC (UWC)	12 58	T	Axle Counter limits Single line 9m 64ch to 15m 8ch
	12 71 *		
Worstead LC (AHBC)	13 10		Worstead level crossing is not provided with treadles
WORSTEAD	13 12		Platform - 79m (84 yds)
	13 61 *		General instruction applies at Westwick Road Bridge (No. 378) at 13m 36ch
Heath Farm LC (UWC)	15 05	T	

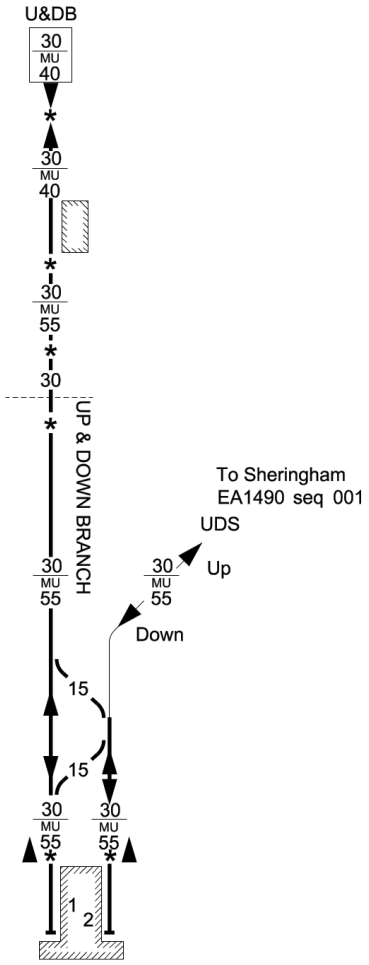
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1480	005	Whitlingham Jn to Cromer	WHC1	Anglia	12/12/2021

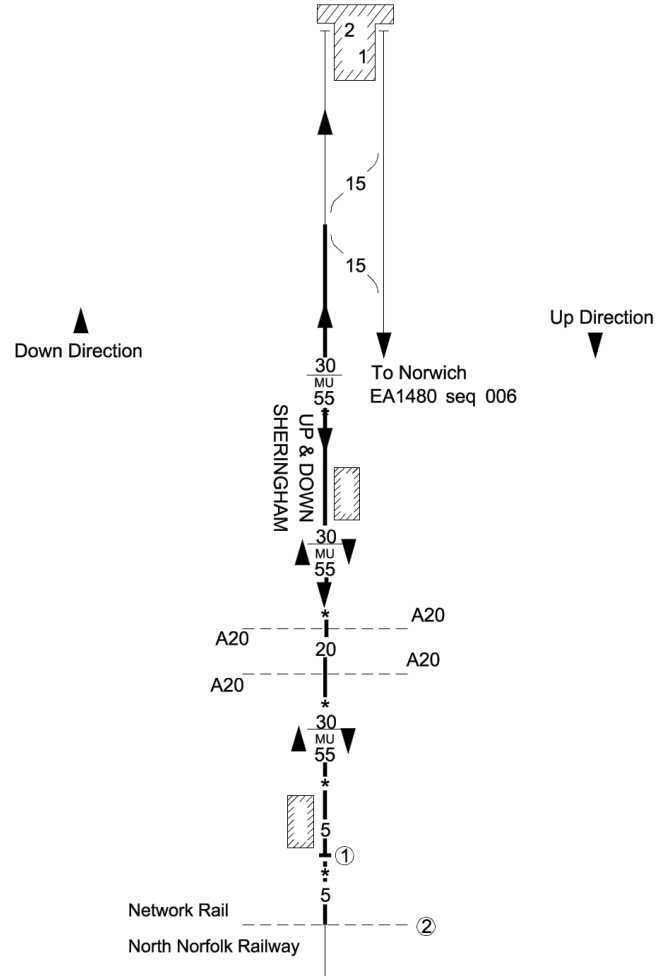
Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Trowse Swing Bridge SB (TB) RA6 U&DB - Up & Down Branch
	15	40	*		
	15	68	*		
NORTH WALSHAM	16	00			Up Platform - 106m (115 yds) Down Platform - 101m (110 yds)
	16	30	*		
Grammar School Farm LC (UWC - R/G)	17	33		T	General instruction applies at the following bridges: Aylsham Rd Bridge (No. 384) at 16m 20ch
Barge Farm LC (FPS)	18	02			
Pond Street LC (UWC - R/G)	18	27		T	
	18	62	*		Church Road (No. 393) at 19m 67ch
Walpole LC (CCTV)	18	67			
GUNTON	19	63			Platform - 88m (96 yds)
	20	70	*		
	23	20	*		Axle Counter limits Single line 16m 48ch to 45m 79ch
South Repps LC (FPS)	21	11			
North Repps LC (FPS)	22	05			

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1480	006	Whitlingham Jn to Cromer	WHC1 WHC2 WHC3 CRS	Anglia	17/12/2022

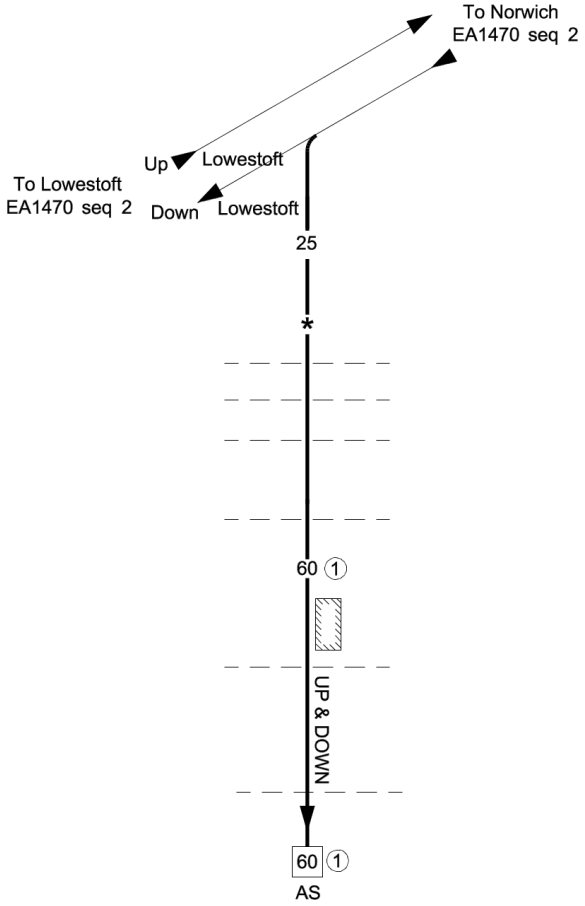
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Trowse Swing Bridge SB (TB) RA6 UDS - Up & Down Sheringham U&DB - Up & Down Branch
	23	20 *		
Change of mileage	24	00		
Site of former Roughton Road Jn	11	54		
ROUGHTON ROAD	11	55		Platform - 58m (63 yds)
	11	58 *		Axle Counter limits Single line 16m 48ch to 45m 79ch
	13	06 *		
East Runton LC (R/G)	13	24		
Change of mileage	13	48 *		
Site of former Runton East Jn	45	64		
Cromer Jn	46	27		
	46	30 *		Platforms 1 - 137m (148 yds) PP Platforms 2 - 137m (148 yds) PP
CROMER	46	42		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1490	001	Cromer to Sheringham	CRS	Anglia	06/08/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
CROMER	46 42		GSM-R OT Trowse Swing Bridge SB (TB) RA6 Platforms 1 - 137m (148 yds) Platforms 2 - 137m (148 yds)
Cromer Jn	46 27		
WEST RUNTON	44 39		Platform - 91m (99 yds)
	43 69 *		
Beeston Regis LC (UWC-R/G)	43 69	T	
Priory View / Whitehouse LC	43 55	T	
	43 51 *		
	42 75 *		
SHERINGHAM	42 71		Platform - 80m (87.49 yds) ① Wheel Stops - See Local Instruction
	42 70 *		
Sheringham East LC	42 69		② Network Rail / North Norfolk Railway Boundary

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1500	001	Brundall Jn to Yarmouth	NAY NOL	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester PSB Brundall WS (YL) RA7
Brundall Jn	5 72		
	6 00 *		
St Michaels Way LC (FPS)	6 26		
Strumpshaw Church (NAY) LC (FPS)	6 66		
Pack Lane LC (FPS)	7 41		
Chapel Road LC (CCTV)	7 55		
LINGWOOD	7 78		Platform - 92m (99 yds)
Lingwood LC (CCTV)	8 03		
Hillcrest LC (FPW)	8 23		
			AS - Acle Single

① Freight trains not to exceed 40 mph

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1500	002	Brundall Jn to Yarmouth	NAY	Anglia	16/02/2020

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
			AS 60 ① *	GSM-R TCB Colchester PSB Brundall WS (YL) RA7
Single line	10 20	*	20 50 ②	① Freight trains not to exceed 40 mph
ACLE	10 34		20	Up platform - 119m (130 yds) Down platform - 69m (73 yds)
Single line	10 42	*	20 *	Crossing Loop 170m (185 yds)
			50 ②	
	10 50	*	*	② Freight trains not to exceed 30 mph
Damgate LC (FPW)	11 06			
Shearing No.2 LC (UWC)	12 01	T		
			60 ①	
Tunstall Dyke East LC (FPW)	12 14			
Calthorpe LC (UWC)	12 27	T		
Old Hall Mill LC (UWC)	12 41	T		
Plantation LC (UWC)	12 46	T		
			Up & Down	
Stracey LC (UWC)	12 57	T		
			60 ① AS	AS - Acle Single

Anglia Route Sectional Appendix Module AR2

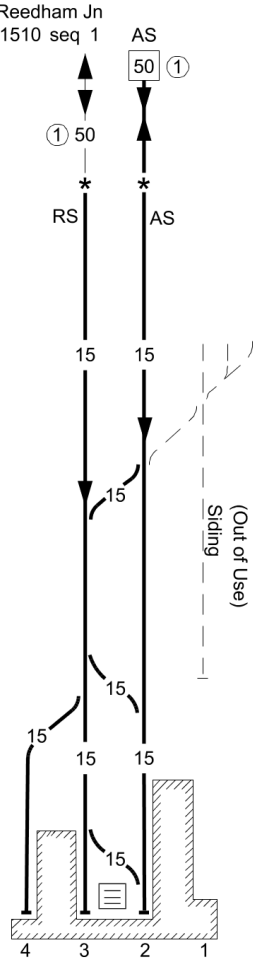
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1500	003	Brundall Jn to Yarmouth	NAY	Anglia	16/02/2020

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
				AS 60 ①	GSM-R TCB Colchester PSB Brundall WS (YL) RA7
Halvergate LC (UWC)	12	65	T		
Farm Gate LC (UWC)	14	12			① Freight trains not to exceed 40 mph
Baileys LC (UWC)	14	32			
Malletts LC (UWC)	14	44	T		
Thorpe Le Fallows LC (UWC)	14	61	T		
Britannia Farm LC (R/G)	15	14	T	Up & Down	
Kemp LC (UWC)	15	36	T		② Freight trains not to exceed 30 mph
Chadderton LC (UWC)	15	46			
Acle Marshes LC (R/G)	16	06	T	60 ①	
Scaregap LC (UWC)	16	36			
Pratts LC (UWC)	16	67	T		
Vauxhall LC (UWC)	17	02	T		
	17	04	*	*	
				50 ②	
				50 ② AS	AS - Acle Single

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1500	004	Brundall Jn to Yarmouth	NAY RBY	Anglia	16/02/2020

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
	VIA REEDHAM	VIA ACLE		
	20 17 *	17 79 *		
YARMOUTH	20 45	18 29		
GF	20 45	18 29		



GSM-R

TCB RA7	Reedham Line Colchester PSB Brundall WS (YL)
TCB RA7	Acle Line Colchester PSB Brundall WS (YL)

① Freight trains not to exceed 30 mph

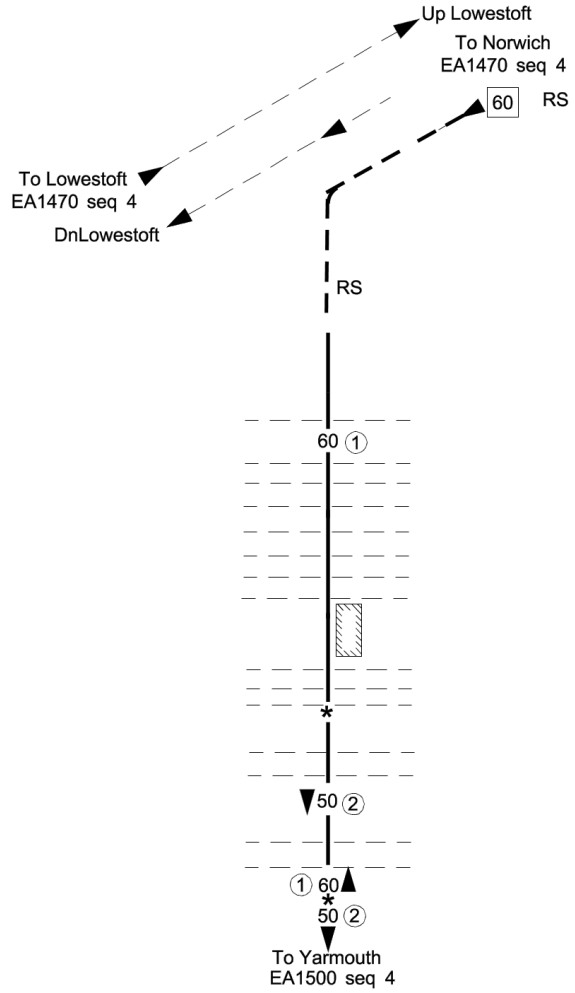
Platform 2 - 297m (322 yds) PP
Platform 3 - 180m (196 yds) PP
Platform 4 - 174m (190 yds) PP

AS - Acle Single RS - Reedham Single

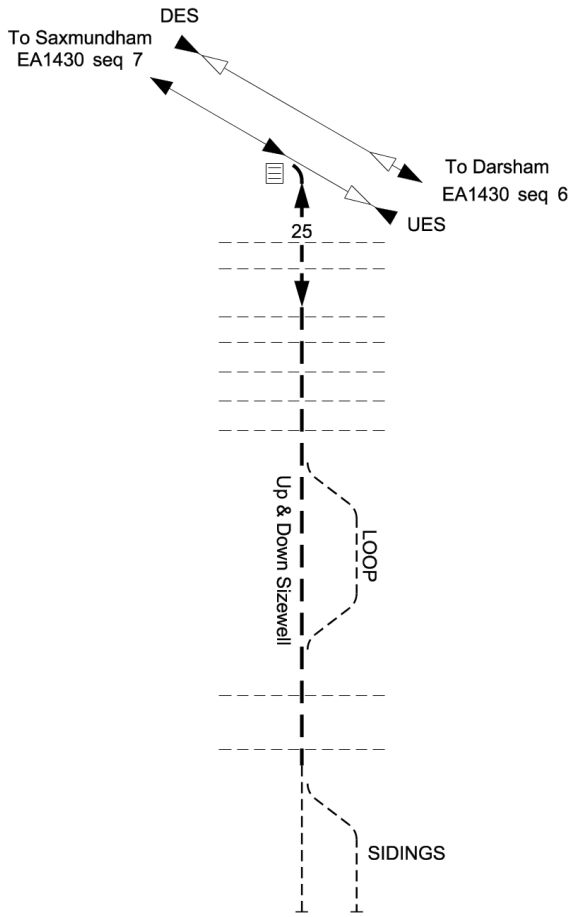
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Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1510	001	Reedham Jn to Yarmouth	RBY NOL	Anglia	27/08/2022

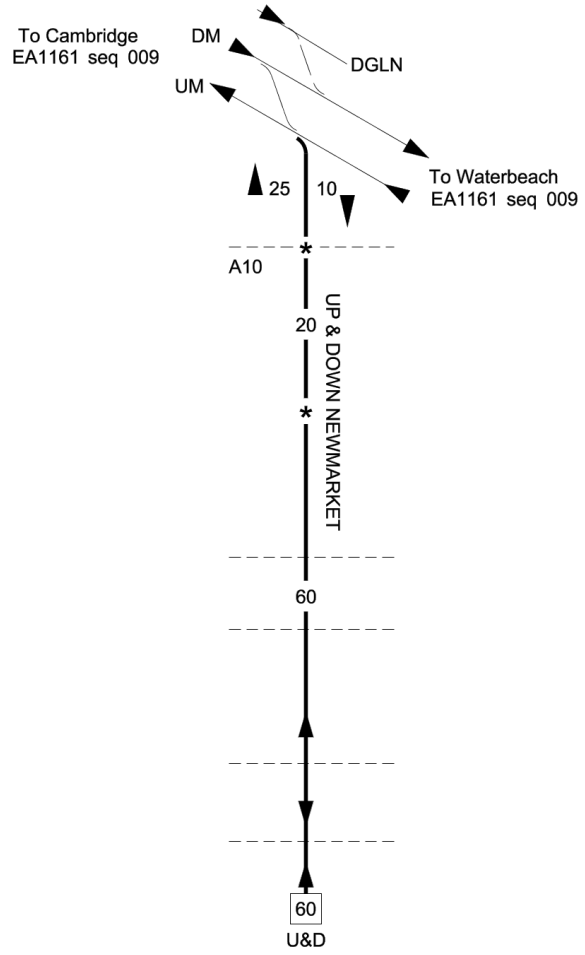
Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R Colchester PSB Lowestoft WS (YL) RA7 RS - Reedham Single
Reedham Jn	12 48 * 12 49			
Church Dam LC (UWC)	12 76	T		
St. John's LC (UWC)	13 35	T		
Beckhithe LC (UWC)	13 69	T		
Wickhampton LC (UWC)	14 34			① Freight trains not to exceed 40 mph
Long Drain LC (UWC)	15 00	T		
Swans LC (UWC)	15 01	T		
Hunters LC (UWC)	15 21			Platform - 18m (19 yds)
Old Lady LC (UWC)	15 60			
BERNEY ARMS	15 71			
Bittern LC (UWC)	16 10			
Beighton Marshes LC (UWC)	16 22			
White Coat LC	17 10 17 21 *	T		② Freight trains not to exceed 30 mph
Breydon Sluice LC (R/G)	17 29	T		
Lock Gate Mill LC (UWC)	17 44	T		
Wherryman's LC (UWC)	18 32	T		
Banham LC (UWC)	19 13	T		
	19 27 *			

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1520	001	Saxmundham Jn to Sizewell	SIZ ESK	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R OTS Saxmundham SB (ES) RA7 AWS not provided
Saxmundham Jn (TEP) GF	91 40		
Bratts Black House LC	92 19	T	
Knodishall LC (TMO)	92 49		TPWS is not provided on this route
West House LC (TMO)	93 32		
Snowdons LC (UWC)	93 68	T	
Saxmundham Road LC (TMO)	94 02		
Buckles Wood LC (FPS)	94 33		
Summerhill LC (FPW)	94 67		
Leiston Station LC (TMO)	95 15		
Sizewell LC (TMO) (TEP)	95 79		
			DES - Down East Suffolk UES - Up East Suffolk

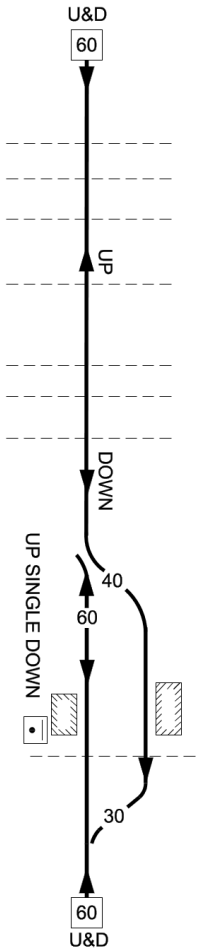
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1530	001	Coldham Lane Jn to Haughley Jn	CCH BGK	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Coldham Lane Jn	(56 51) 0 23		GSM-R TCB Cambridge SB (CA) RA8 DGLN - Down Goods Loop North DM - Down Main UM - Up Main
Laundry Lane LC (AOCL+B)	0 29 *		
	0 46 *		
Cherry Hinton High St. LC (CCTV)	2 17		
Cherry Hinton Bypass LC (CCTV)	2 53		
Teversham LC (AHBC)	3 44		
Coxes Farm LC (FPW)	3 69		

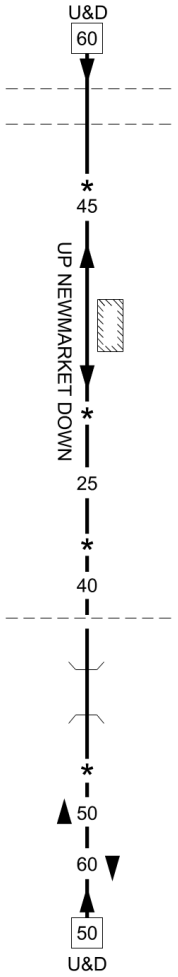
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1530	002	Coldham Lane Jn to Haughley Jn	CCH	Anglia	17/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8
Fulbourn LC (AHBC)	4 36		
Home Farm LC FPS)	5 31		
Hicks LC (UWC)	5 58		
Six Mile Bottom LC (AHBC)	7 65		
Brinkley Road LC (AHBC)	7 78		
Cassells LC (FPG)	8 05		
Westley Road LC (R/G) (UWC)	8 74	T	
Single line	10 07		Up platform - 94m (102 yds) Down platform - 103m (111 yds)
DULLINGHAM Dullingham (DH) SB Dullingham LC (MCG)	10 54 10 54 10 56		TB Dullingham SB (DH)
Single line	11 09		

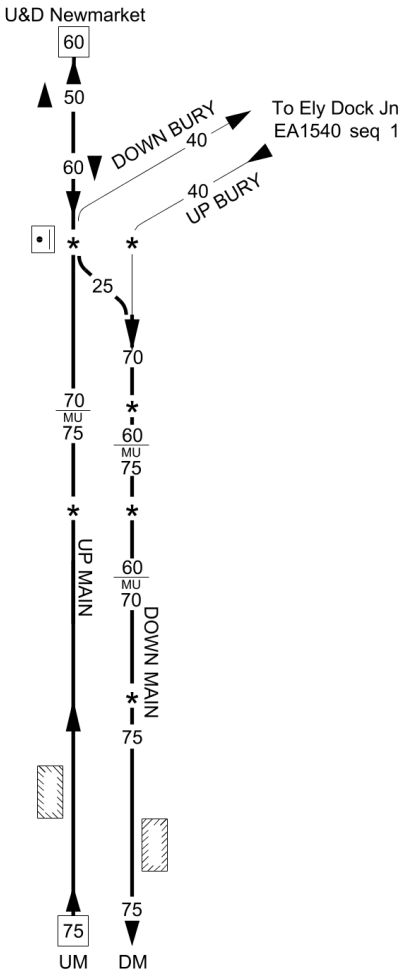
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1530	003	Coldham Lane Jn to Haughley Jn	CCH	Anglia	25/03/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TB Dullingham (DH) SB & RA8 Chippenham Jn SB (CM)
Devils Ditch LC (FPS R/G)	12 11		
Wood Ditton LC (AHBC)	13 11		
	13 35 *		
NEWMARKET	13 67		
	13 70 *		Platform - 238m (260 yds) (45m (49 yds) in use)
	13 75 *		
Weatherby LC (FP)	14 05		
Warren Hill Tunnel (1100 yards)	14 31 to 15 01		General instruction for broken rails applies at Warren Hill tunnel.
	15 65 *		

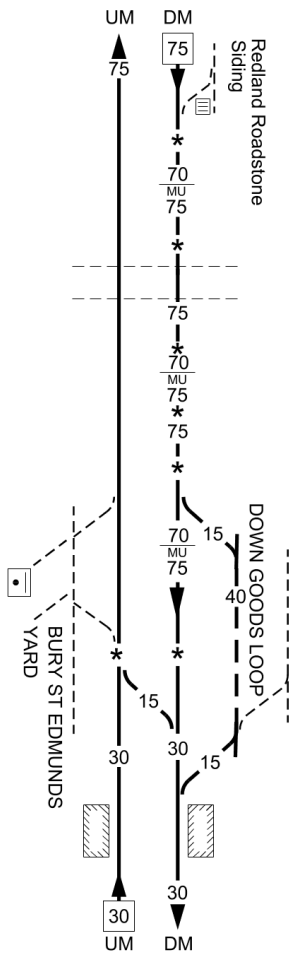
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1530	004	Coldham Lane Jn to Haughley Jn	CCH SOB1 SOB2	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Chippenham Jn Chippenham Jn SB (CM)	16 04 *		GSM-R TB Chippenham Jn SB (CM) RA8 TCB
	18 03 *		
	18 57 *		Bury St Edmunds Yard SB (BY)
	18 63 *		
KENNETT	18 69		Up platform - 54m (58 yds) Down platform - 78m (81 yds)
	19 60		

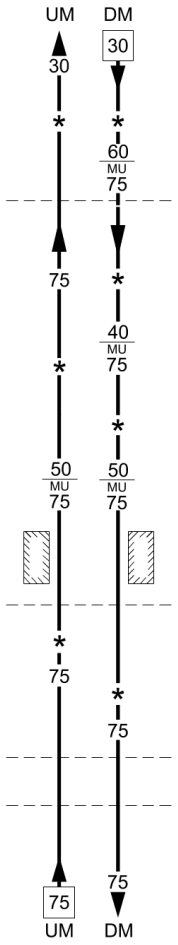
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1530	005	Coldham Lane Jn to Haughley	CCH	Anglia	23/01/2022

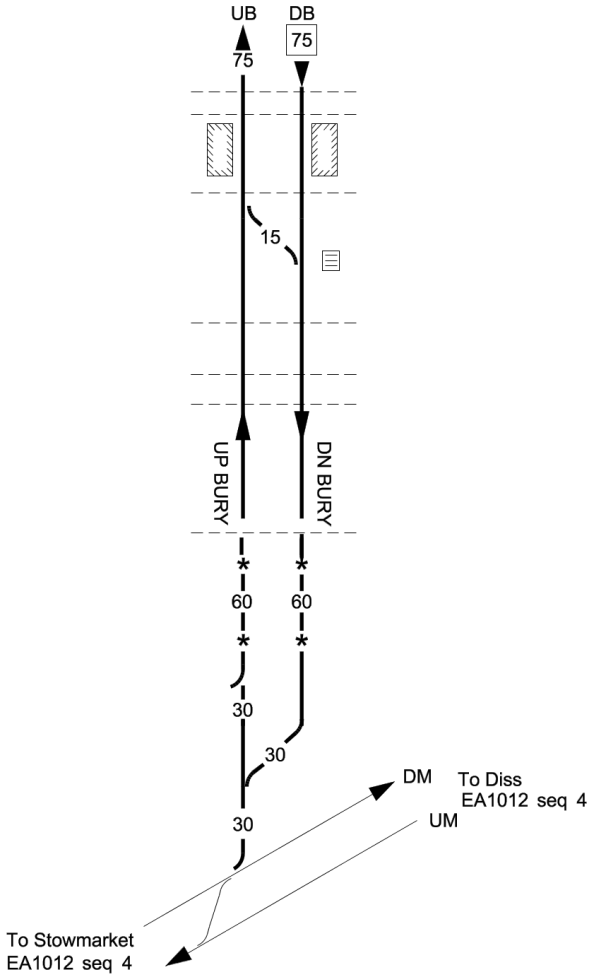
Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Bury St Edmunds Yard SB (BY) RA8
Redland GF	20	18			
	21	01	*		
	21	48	*		
Higham LC (FPS)	21	56			Instruction in Section 1 applies at Needles Eye (Bridge 1129) at 23m 25ch
Higham Ground Frame LC (FPS)	22	49			
	23	60	*		
	25	17	*		
	26	76	*		
Bury St Edmunds Yard (BY) SB	28	33			
	28	37	*		DGL 384m (420yds)
BURY ST. EDMUNDS	28	44			Up platform - 105m (105 yds) Down platform - 156m (169 yds)

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1530	006	Coldham Lane Jn to Haughley	CCH	Anglia	23/01/2022

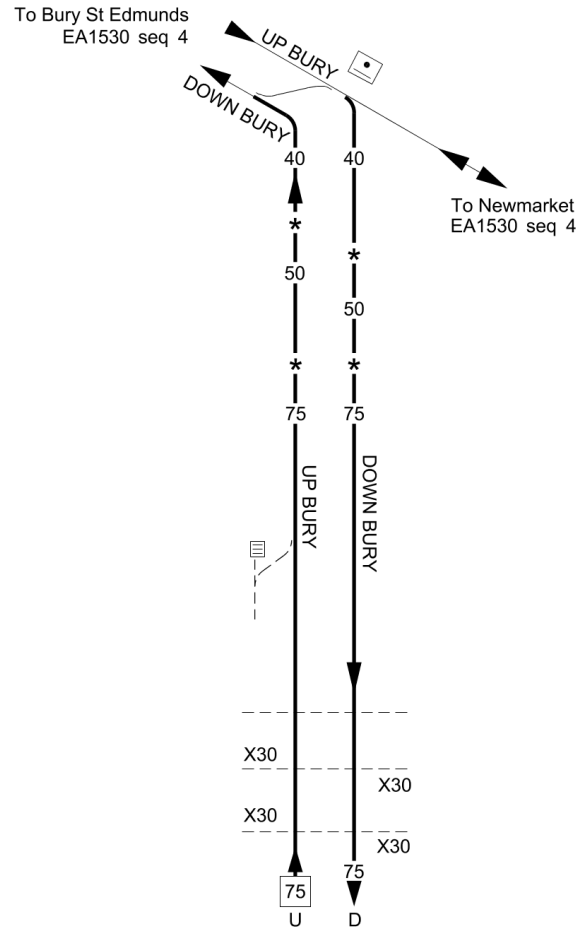
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Bury St Edmunds SB (BY) RA8
	28 52 *		General instruction applies at the following bridges: Fornham Road (Bridge 1142) at 28m 51ch
Cattlshall LC (FPG)	30 49		Orttewell road bridge (No.1145) at 29m 59ch
	31 00 *		Telephone to Bury St Edmunds signal box at Up Distant
			Colchester SB (CO) Norwich panel
	31 48 *		
	31 50 *		General instruction applies at Barton Road, Thurston (No 1152) at 32m 49ch
THURSTON	32 51		Up platform - 86m (93 yds) Down platform - 90m (97 yds)
Thurston Footpath LC (R/G)	32 54		
	32 72 *		Telephone to Colchester signal box provided at all two aspect distant signals prefixed CO. and at 35 mp
	33 15 *		
Barrels LC (FPS)	33 61		
Grove Farm LC (FPS)	33 71		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1530	007	Coldham Lane Jn to Haughley	CCH LTN1	Anglia	08/01/2024

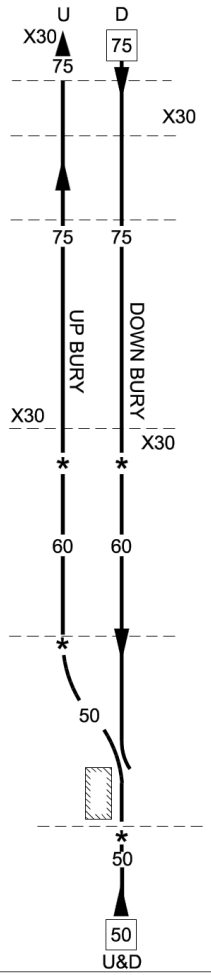
Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Colchester SB (CO) RA8 Norwich panel
Hall Farm LC (UWC)	36	59	T		
Hawk End Lane LC (FPS)	37	00			
ELMSWELL	37	11			Up platform - 62m (64 yds) Down platform - 62m (64 yds)
Elmswell LC (CCTV)	37	14			UB -Up Bury DB-Down Bury
Elmswell GSP	37	20			
Lord's No. 29 LC (FPS)	37	58			
Mutton HallLC (FPS)	38	38			
Base Green (No. 31) LC (UWC)	39	03	T		
Haughley Green LC (FPW)	39	31			
	39	73	*		
	40	42	*		C 935 yards before reaching signal CO. 698
	40	45			
Haughley Jn	40	49			FWS (SATWS) provided from CCH 39m 64ch and EA1012 (LTN1)
	82	79			

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1540	001	Chippenham Jn to Ely Dock Jn	SOB1 SOB2	Anglia	30/07/2022

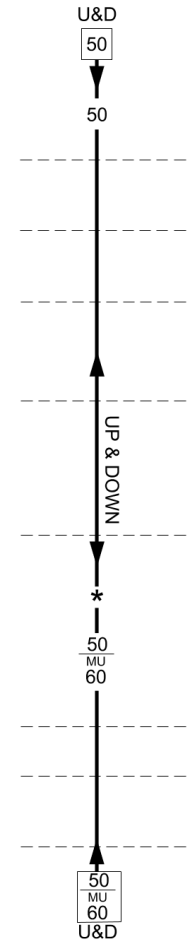
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Chippenham Jn	(16 04)		GSM-R TCB RA8 Chippenham Jn. SB (CM)
	00 63		
	00 54 *		
	00 31 *		
Change of mileage	00 00 *		
Site of former Snailwell Jn	01 54		
			Cambridge SB (CA)
Kings Sidings GF	2 64	S	
Munceys LC	4 16	T	
Fordham LC (AHBC-X)	4 64		
Cockspin Road LC (AHBC-X)	5 05		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1540	002	Chippenham Jn to Ely Dock Jn	SOB2	Anglia	06/02/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R  TCB Cambridge SB (CA) RA8
Block Farm FPS (R/G-X)	5 58		
Hitch's No.12 LC	6 58	T	
Horse Fen LC	6 74	T	
Mill Drove LC (AHBC-X)	7 28		
	7 30 *		
Clark & Butchers LC	7 53 *	T	
Single Line	7 61		
Soham	7 64		Platform - 99m (108 yds)
Soham Station LC	7 78	T	
	8 00 *		

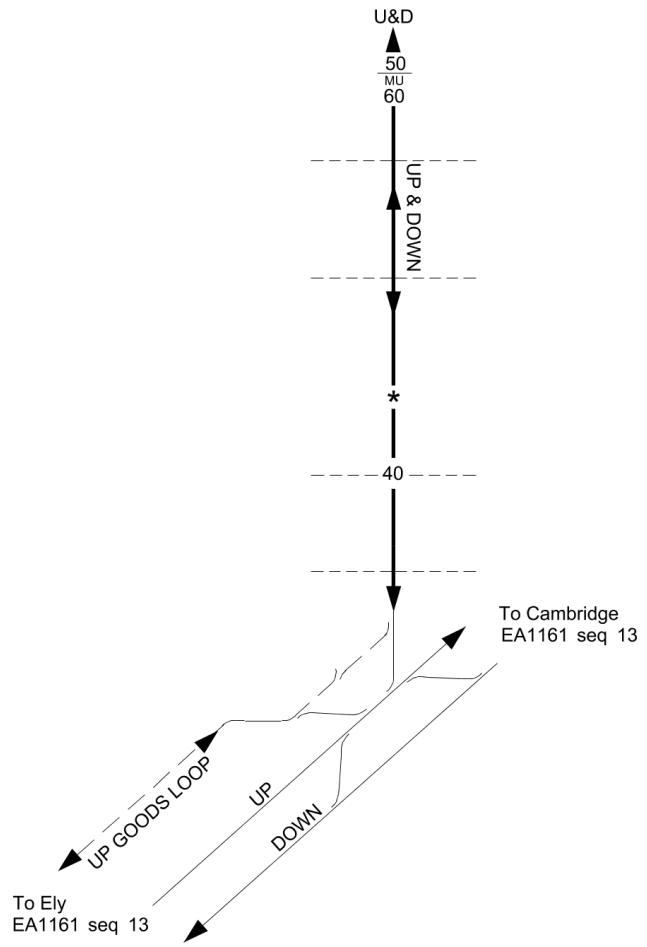
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1540	003	Chippenham Jn to Ely Dock Jn	SOB2	Anglia	30/07/2022

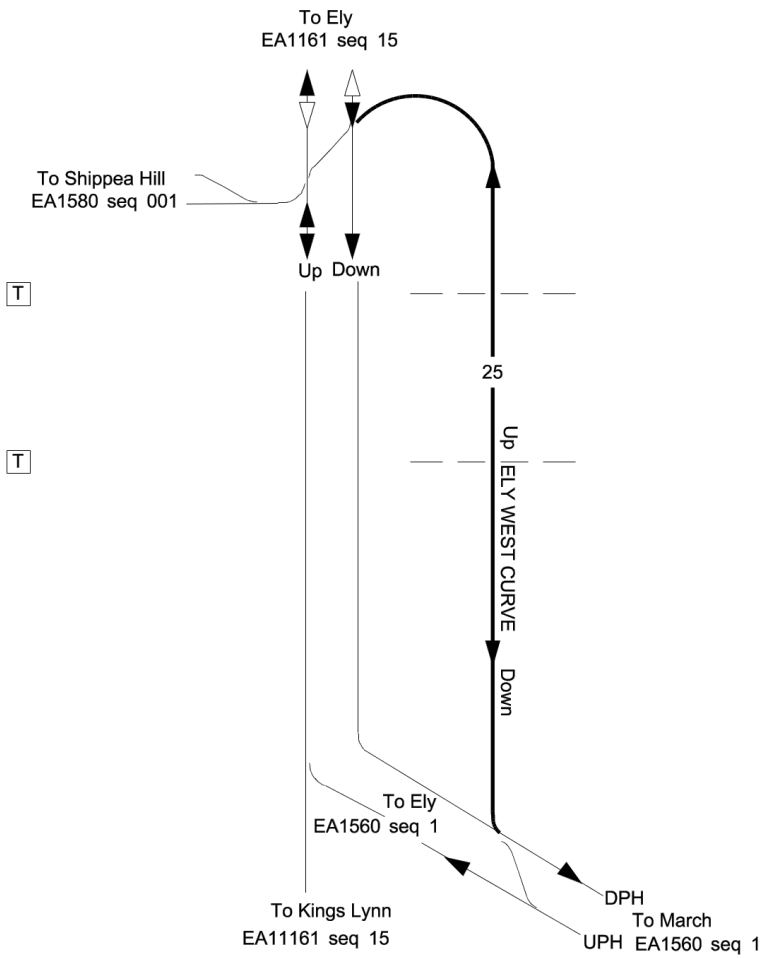
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8
Straws LC	8 02	T	
Middlemere LC (AHBC)	8 25		
Tiled House Farm LC (AHBC)	8 66		
Short Drove LC	9 07	T	
Poplar Drove No.30 LC	9 35	T	
	9 40 *	*	
Leonards No.31 LC	9 47	T	
Barway Sidings LC (AHBC)	9 76		
Blockmore LC	10 36	T	

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1540	004	Chippenham Jn to Ely Dock Jn	SOB2 BGK	Anglia	30/07/2022

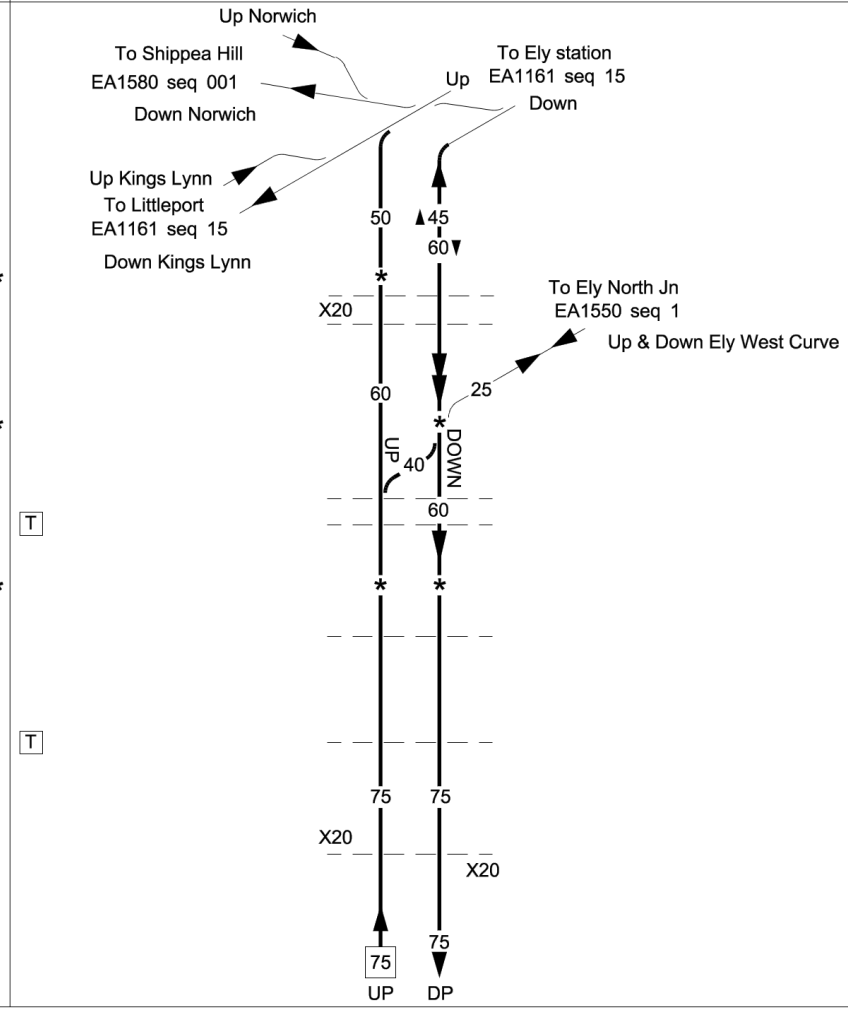
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8
Ambrose's LC	11 11	T	
Roundabout Drove LC	11 36	T	
	11 36		
	12 00 *	*	
Wells Engine LC	12 03	T	
Hawks LC	12 17	T	
Single Line	12 27		
Ely Dock Jn	12 33		
	(69 79)		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1550	001	Ely North Jn to Ely West Jn (Ely West Curve)	EWC BGK ETN EMP	Anglia	08/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ely North Jn	00 00		GSM-R TCB Cambridge SB (CA) RA8
Pitts LC (UWC)	00 23	T	
Days LC (UWC)	00 58	T	FWS (SATWS) provided from EWC 0 miles 17 ch and EA1560 EMP EA1580 ETN EA1161 BGK EA1162 BGK
Ely West Jn	01 00 (72 39)		UPH - Up Peterborough DPH - Down Peterborough

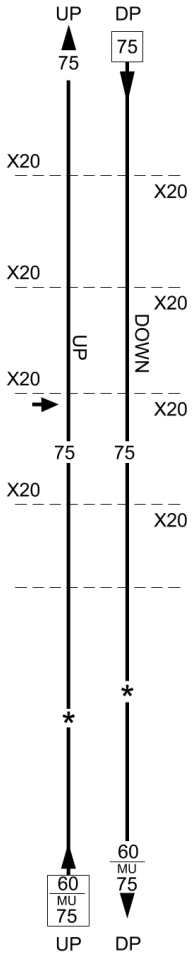
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	001	Ely North Jn to Peterborough	EMP ETN BGK EWC	Anglia	08/01/2024

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (CA) RA8
Ely North Jn	71 63		
Ely North Jn LC (FP)	71 72 *		
Queen Adelaide LC (AHBC-X)	72 01 72 12		Wrong direction controls not provided on down line
Ely West Jn	72 39 72 40 *		
Second Drove LC (FPS)	72 55		
Clayway LC (UWC)	72 62	T	
	73 35 *		
Chettisham LC (MCB-OD)	73 55		
Coffue Drove LC (UWC)	74 25	T	FWS (SATWS) provided from EMP 72m 35ch and EA1550 EWC EA1580 ETN EA1161 BGK EA1162 BGK
Beald Drove LC (AHBC-X)	74 58		
			DP - Down Peterborough UP - Up Peterborough

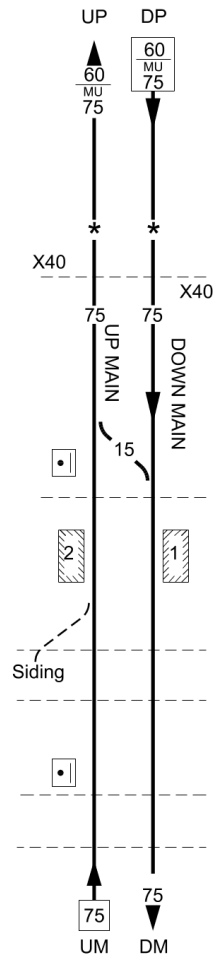
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	002	Ely North Jn to Peterborough	EMP	Anglia	15/01/2022

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Cambridge SB (CA) RA8 DP - Down Peterborough UP - Up Peterborough
North Fen LC (AHBC-X)	74	79		
Black Bank LC (AHBC-X)	75	24		
Second Drove LC (AHBC-X)	75	58		HABD on Up Line near Second Drove LC
Third Drove LC (AHBC-X)	75	76		
Furlong Drove LC (FPG)	76	54		
	78	01 *		
	78	02 *		

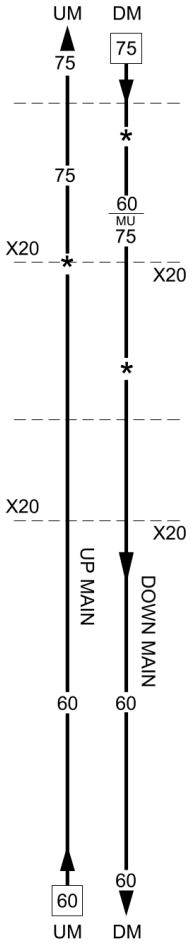
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	003	Ely North Jn to Peterborough	EMP	Anglia	15/01/2022

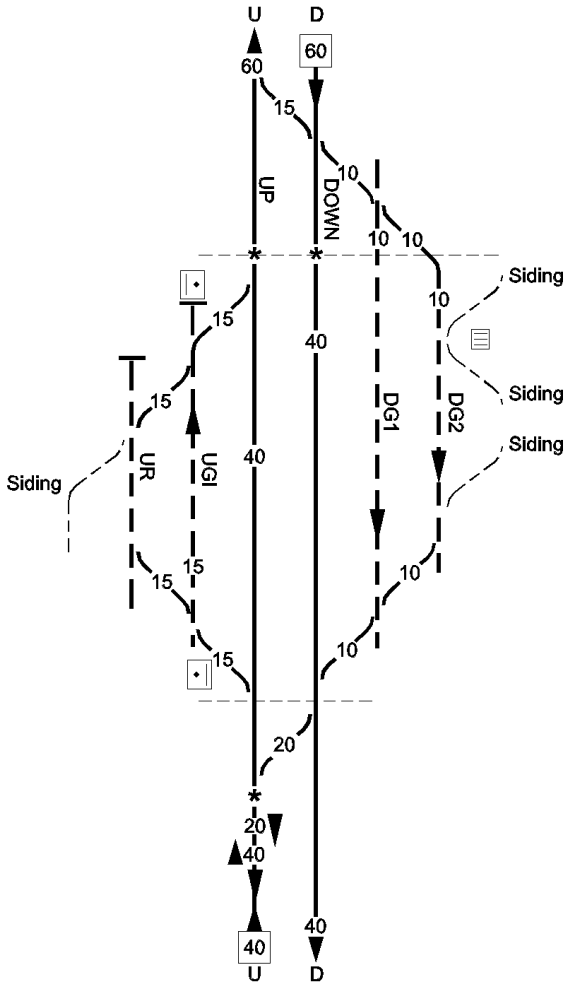
Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Manea SB (M) RA8 DP - Down Peterborough UP - Up Peterborough DM - Down Main UM - Up Main
	78	60 *		
Welney Road LC (AHBC-X)	79	50		
				AB
Manea SB (M)	80	11		
Manea LC (MCB)	80	13		
MANEA	80	18		Up platform 2 - 49m (53yds) Down Platform 1 - 42m (45yds)
Bates LC (UWC)	80	28	T	Stonea SB (S)
Masons LC (UWC)	80	58		TCB
Stonea SB (S)	82	03		
Stonea LC (MCG)	82	04		
Stoney Grove LC (UWC)	82	78		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	004	Ely North Jn to Peterborough	EMP	Anglia	15/01/2022

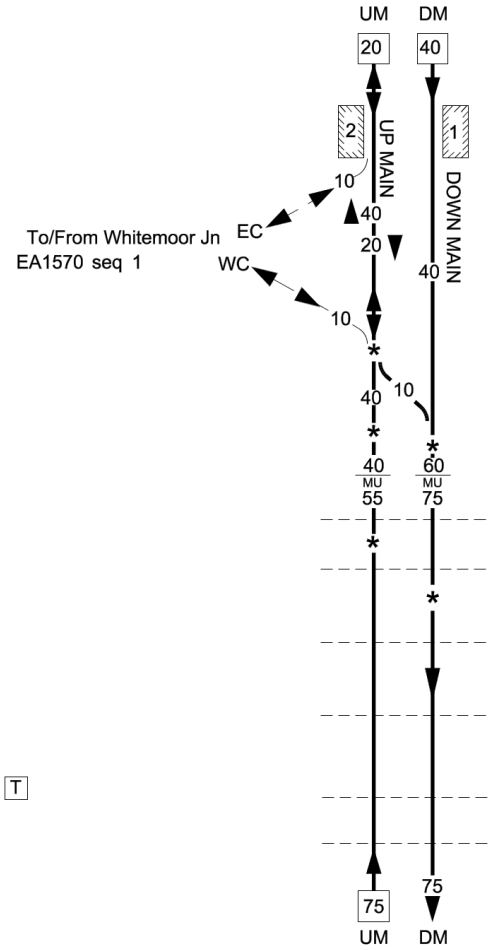
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Green Drove LC (FPG)	83 09		GSM-R 
Green Drove LC (FPG)	83 07 *		TCB March South Jn SB (MS) RA8
Horsemoor LC (AHBC-X)	84 31 *		UM - Up Main DM - Down Main
	84 50 *		
Silt Drove LC (UWC)	84 69	T	
Badgeney Road LC (AHBC-X)	85 07		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	005	Ely North Jn to Peterborough	EMP	Anglia	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB RA8 March South SB (MS)
	85 30		
March South LC (MCB)	85 35 *		
March South SB (MS)	85 37		DGI - 487m (532yds) DG2 - 474m (518yds) UGI - 397m (434yds) UR - Up Reception
			March East SB (ME) NB Up goods and down goods No.s 1 and 2
March East SB (ME)	85 68		
March East LC (MCB)	85 69		
	85 70 *		

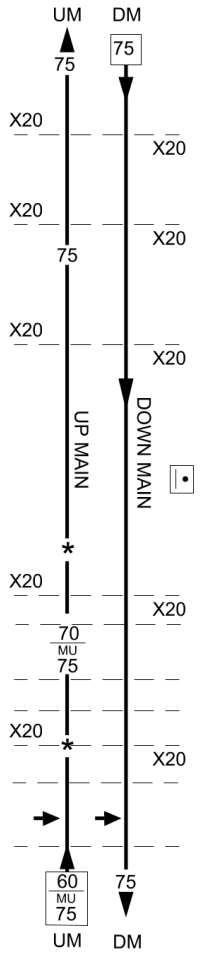
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	006	Ely North Jn to Peterborough	EMP WIG	Anglia	03/09/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
MARCH	85 76		GSM-R TCB March East Jn SB (ME) RA8 UM - Up Main DM - Down Main Up platform 2 - 114m (125yds) Down platform 1 - 114m (125yds) EC - East Curve WC - West Curve
March East Jn	85 78		
March West Jn.	86 16 *		
	86 26 *		
	86 27 *		
Norwood Road LC (AHBC)	86 30		
	86 35 *		
Tuft No 1 LC (UWC)	87 20		
	87 30 *		
Whitemoor Drove LC (AHBC)	87 31		
Middle Drove LC (R/G)	87 75		
Kisby LC	88 24	T	
Australia Farm LC (UWC)	89 51		

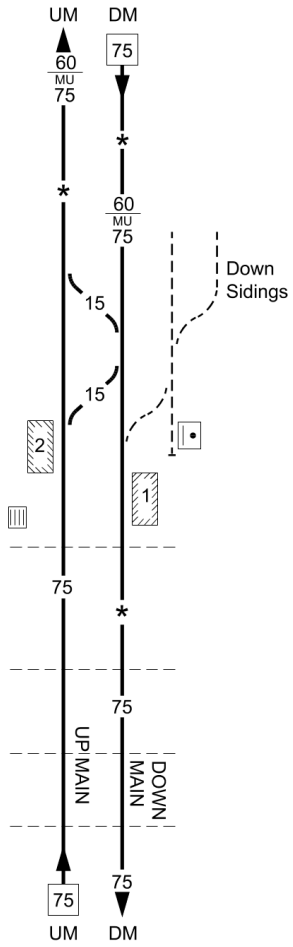
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	007	Ely North Jn to Peterborough	EMP	Anglia	15/01/2022

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Three Horse Shoes SB (THS) RA8 UM - Up Main DM - Down Main
Three Horse Shoes No.1 LC (AHBC-X)	90	03			
Three Horse Shoes No.2 LC (AHBC-X)	90	42			
Three Horse Shoes No.3 LC (AHBC-X)	90	76			
Three Horse Shoes SB (THS)	91	05			AB
	91	12	*		
Burnt House Drove LC (AHBC-X)	91	15			
Beggars Bridge LC (FPS)	91	50			
Baileys LC (UWC)	92	58		T	
Easterea Cross Drove LC (FPS)	93	05			
Eastrea LC (AHBC-X)	93	28	*		
Brickyard Drove LC (FPS)	93	43			
Eastrea WILD	93	60			
Fen Lots Drove LC (UWC)	93	71			

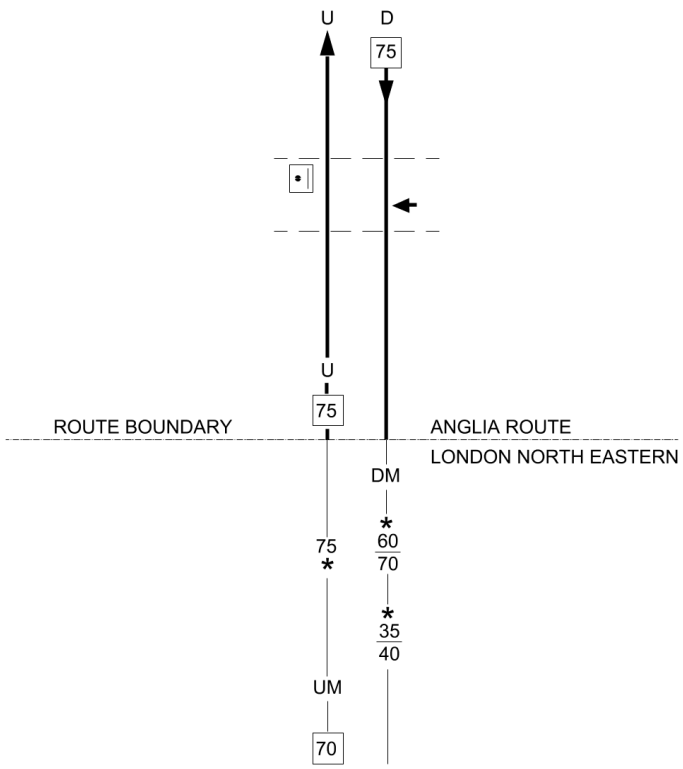
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	008	Ely North Jn to Peterborough	EMP	Anglia	15/01/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R AB Whittlesea SB (W) RA8 UM - Up Main DM - Down Main
	94 40 *		
	94 43 *		
Whittlesea SB (W)	94 54		
WHITTLESEA	94 60		Up platform 2 - 62m (67yds) Down platform 1 - 42m (45yds)
Whittlesea LC GF	94 68		
Whittlesea LC (MCG)	94 68		
	94 70 *		
Harts Drove LC (R/G)	95 02		
Ramsey Road LC (AHBC)	95 37		
Blackbush LC (AHBC)	95 51		

Anglia Route Sectional Appendix Module AR2

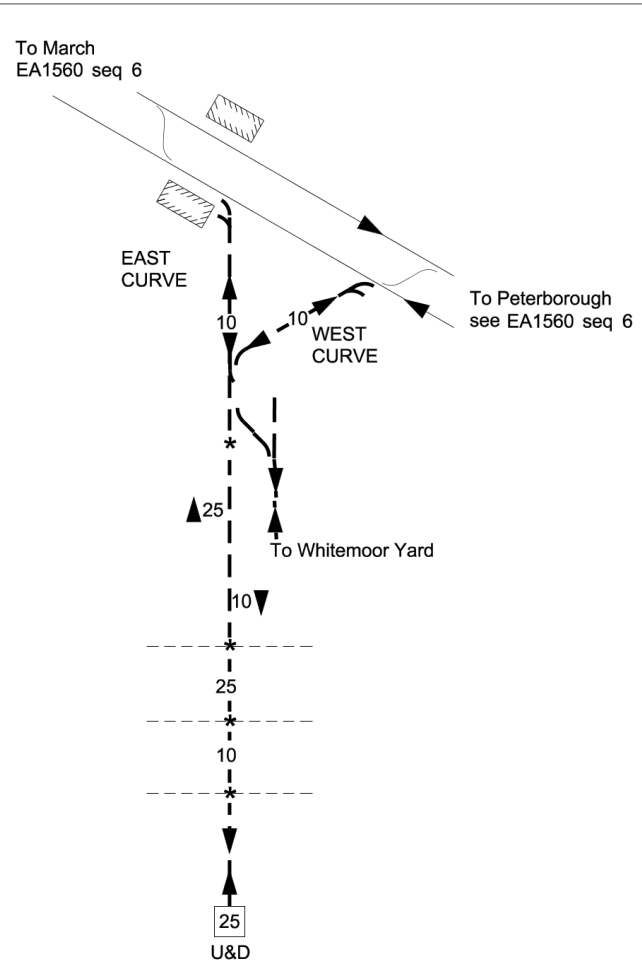
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1560	009	Ely North Jn to Peterborough	EMP	Anglia	26/08/2019

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R
			AB Kings Dyke SB (K) RA8
Kings Dyke LC (MCB)	96 73		
Kings Dyke SB (K)	96 75		TCB
Funthams Lane LC (CCTV)	97 16		HABD on Down Line
			DM = Down March UM = Up March
Network Rail Anglia / LNE Route Bounary	98 40		
	99 15 *		
	99 70 *		
	100 01 *		
			Peterborough SB (P)

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1570	001	March (East & West Jn's) to Wisbech	WIG EMP	Anglia	27/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
	Wisbech Line	March West Jn to Whitemoor Jn	
March East Jn	85 78		
March West Jn	EAST CURVE	0 00 WEST CURVE	
Whitemoor Jn	86 18 *	0 13 *	
Elm Road LC (AHBC)	86 60 *		
Bridge No.2314	87 29 *		
Chain Bridge LC (AHBC)	87 31 *		



GSM-R

TCB March East SB (ME)
RA8

TPWS at Whitemoor Jn only
AWS not provided between Whitemoor Jn. and Wisbech

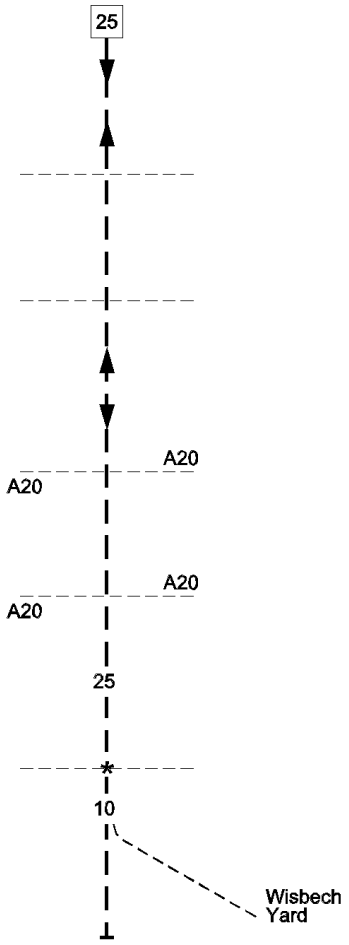
GSM-R

Down: End of GSM-R area at 86m 18ch
Up: Start of GSM-R area at 86m 18ch

OTNS
RA6

Line out of use (temporarily) from 86m 18ch to Wisbech

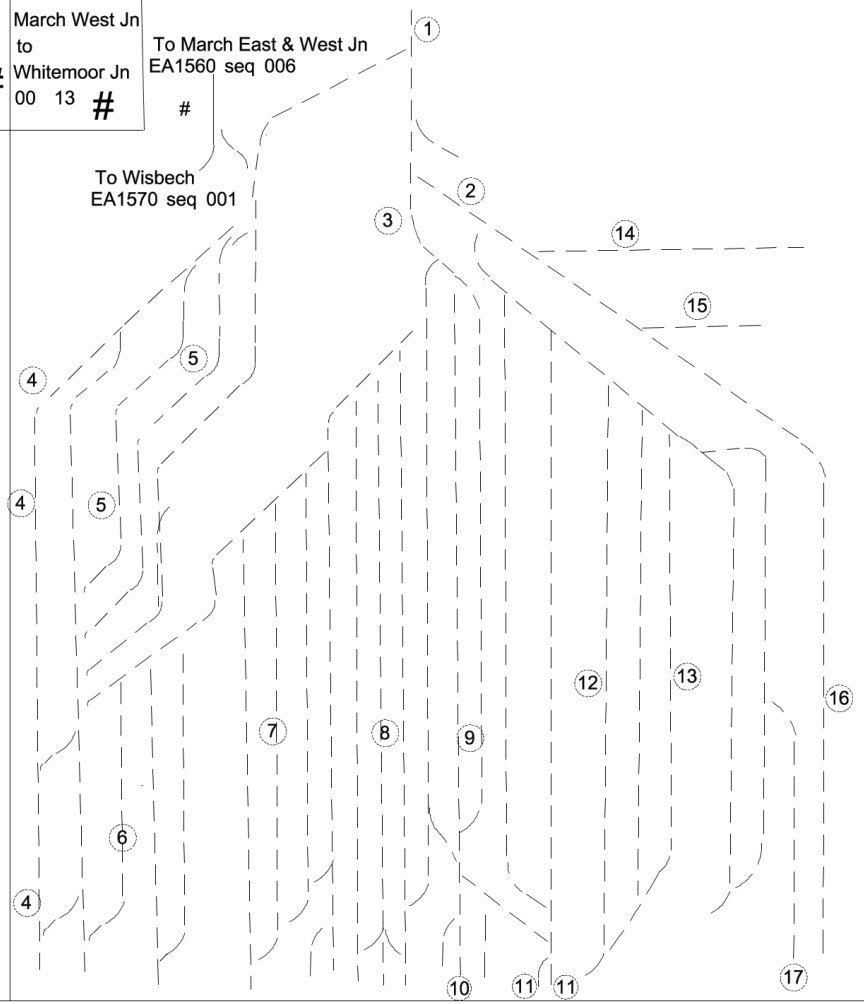
LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1570	002	March (East & West Jn's) to Wisbech	WIG	Anglia	02/02/2013

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			OTNS March East SB (ME) RA6 Line out of use (temporarily)
Coldham LC (TMO)	89 21		
Waldersea LC (TMO)	90 29		
Redmoor LC (AOCL)	92 09		
Wisbech Bypass LC (AOCL)	92 26		
Weasenham Lane LC (TMO)	93 15 *		
Wisbech	93 60		
End of line			

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1575	001	Whitemoor Jn to Whitemoor Yard	WMY WIG	Anglia	02/07/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Whitemoor Jn	Wisbech Line 86 18 #	March West Jn to Whitemoor Jn 00 13 #	GSM-R

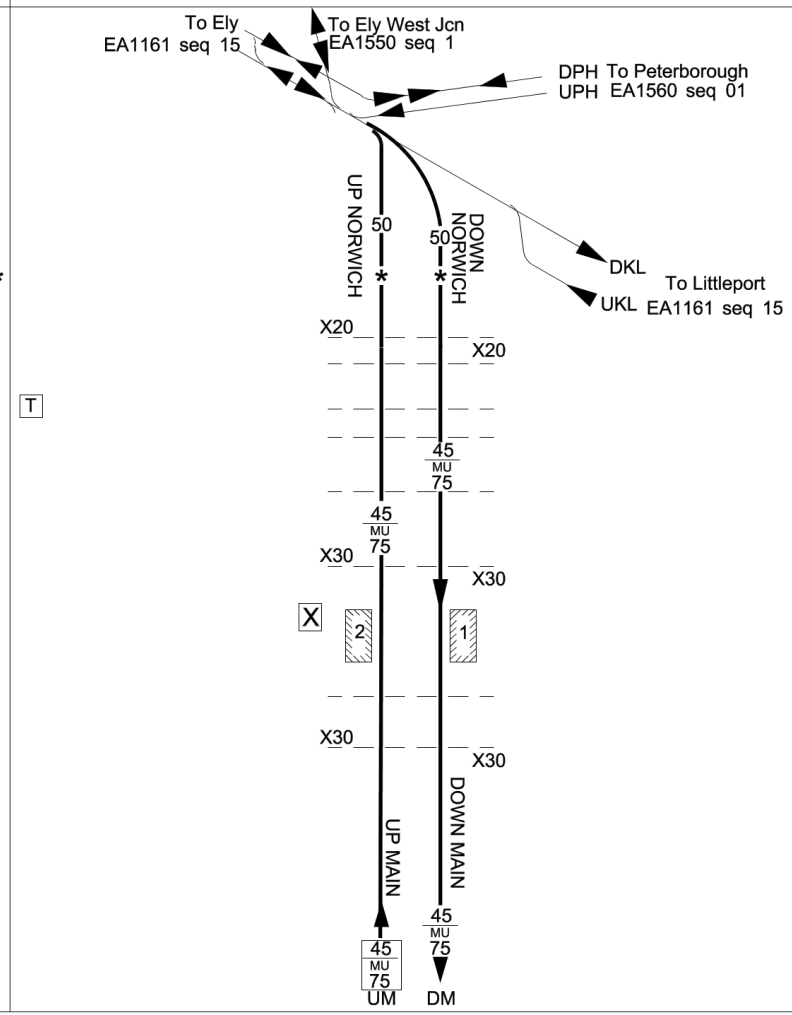


1 Headshunt
2 Reception 3
3 Reception 2
4 Reception 1
5 Sidings A 1-4
6 Sidings B 1-4
7 Sidings B 5-8
8 Sidings C 1-3
9 Sidings D 1-4
10 Maintenance 1-3
11 Wagon Fueling 1-2
12 Ballast 1-2 Middle Road
13 Spoil 1-3
14 Recovery Siding 1
15 Locomotive Siding
16 Recovery Siding 2
17 Recovery Siding 3

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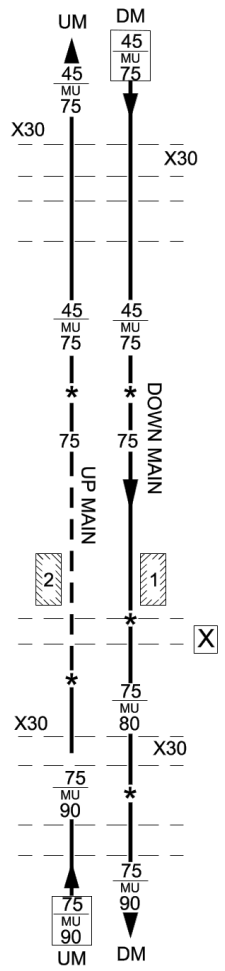
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	001	Ely North Jn to Trowse Jn	ETN	Anglia	08/01/2024

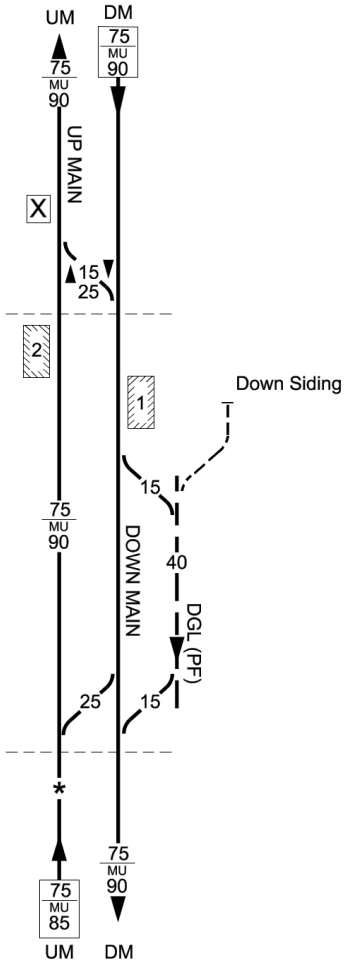
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Ely North Jn	71 72		GSM-R TCB Cambridge SB (CA) RA8 UM - Up Main DM - Down Main UKL - Up Kings Lynn DKL - Down Kings Lynn UPH - Up Peterborough DPH - Down Peterborough
	72 02 *		General instruction applies at Queen Adelaide Bridge (1576) at 72m 22ch
Queen Adelaide LC (AHBC-X)	72 32		
Popes (Double Crossing) LC UWC	73 43		
Palmers No.142 LC	73 63	T	TCB Cambridge SB (EN)
Prickwillow 1 LC (FPS)	74 28		
Prickwillow Larks Bridge 2 LC (FPS)	74 30		
Mile End LC (AHBC-X)	74 76		LOD (T) Down Main and Up Main (Shippea Hill) at 77m 16ch
SHIPPEA HILL	77 17		Up platform 2 - 129m (141yds) Operational Length - 89m (97yds)
Shippea Hill LC (MCB-OD)	77 23		Down platform 1 - 146m (141yds) Operational Length - 76m (83yds)
Chivers LC (AHBC-X)	78 54		FWS (SATWS) provided from ETN 72m 50ch and EA1550 EWC EA1560 EMP EA1161 BGK EA1162 BGK

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	002	Ely North Jn to Trowse Jn	ETN	Anglia	18/11/2023

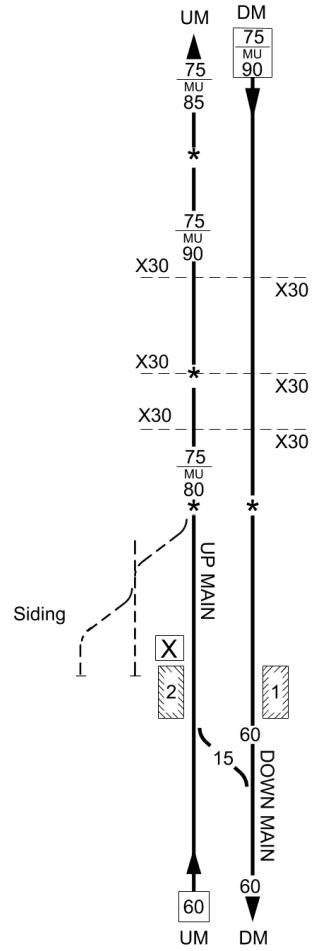
Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Cambridge SB (EN)
Pools (No.2) LC (R/G - X) (UWC)	79	16	T		UM - Up Main DM - Down Main
Stallode LC (FPS)	79	42			
The Drove LC (FP)	79	66			
New Bridge LC (UWC)	80	30	T		
	81	56	*		
LAKENHEATH	82	39			Up platform 2 - 119m (130yds) Down platform 1 - 149m (161yds)
Lakenheath LC (MCB -OD)	82	44	*		
Hollow LC (UWC)	83	04	*		LOD (T) Down Main and Up Main (Lakenheath) at 82m 44ch
	83	64	*		
Hiams Fen House No20 LC(R/G-X)(UWC)	83	67	T		
Sheepwash LC (FPS)	84	45			
	85	32	*		
Parrots No.22 LC (UWC)	85	50	T		
Parrots No.23 LC (UWC)	85	68	T		

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	003	Ely North Jn to Trowse Jn	ETN	Anglia	06/08/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (EN) UM - Up Main DM - Down Main DGL - Down Goods Loop LOD (T) Down Main and Up Main (Brandon) at 86m 25ch
Brandon LC (MCB-OD)	86 29		
BRANDON	86 32		Up platform 2 - 93m (101.7yds) Down platform 1 - 94m (102.8yds)
DGL	86 52		DGL 480 m (525 yds) PF
DGL	87 16		
Forestry LC (UWC)	87 10	T	
	87 50 *		

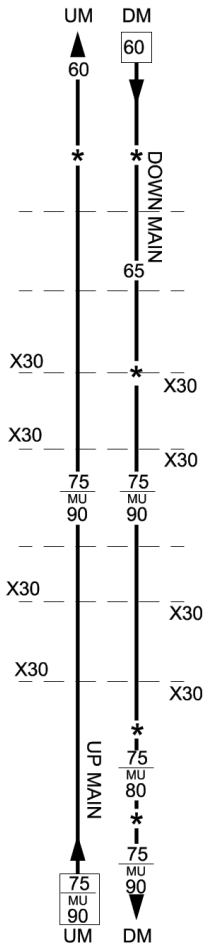
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	004	Ely North Jn to Trowse Jn	ETN	Anglia	29/01/2022

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Cambridge SB (EN) UM - Up Main DM - Down Main
	87	70	*		
Santon LC (AHBC-X)	88	72			
Two Mile Bottom LC (AHBC-X)	91	16	*		
Crown Commissioners (No.33) LC (R/G-X) (UWC)	91	35		T	General instruction applies at Abbey Farm Bridge (1601) at 93m 39ch
	92	36	*		
THETFORD	93	50			LOD (T) Down Main and UP Main (Thetford) at 93m 44ch Up platform 2 - 114m (124.6yds) Down platform 1 - 153m (167.3yds)

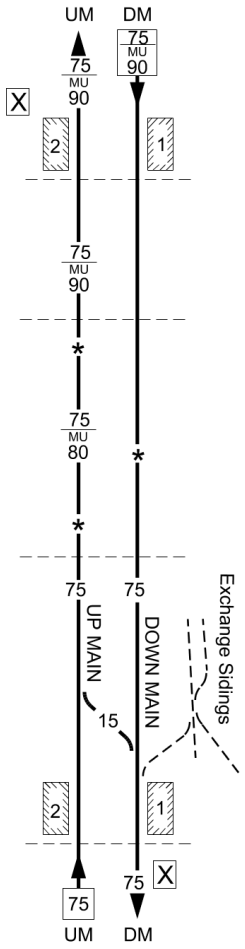
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	005	Ely North Jn to Trowse Jn	ETN	Anglia	18/10/2023

Location	Mileage M	Mileage Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Cambridge SB (EN) UM - Up Main DM - Down Main
	94	20	*		
Gooderham's No.41 LC (UWC)	94	70	T		
Gooderham's No.42 LC (UWC)	95	28	T		
Croxton LC (AHBC-X)	96	44	*		
Shadwell LC (R/G-X) (UWC)	98	50	T		
Drove Road LC (FPK)	99	51			
Hockham Road LC (R/G-X) (UWC)	99	67	T		
Roudham Hall Road LC (R/G-X) (UWC)	100	17	T		
	100	27	*		
	100	47	*		

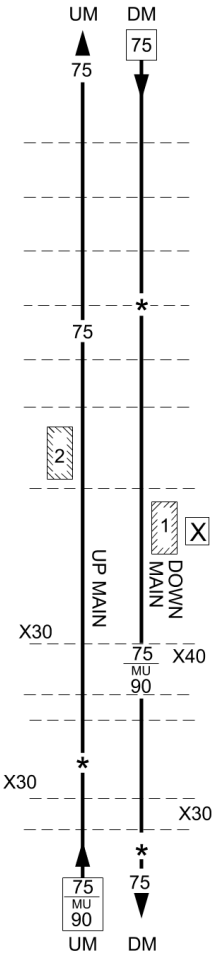
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	006	Ely North Jn to Trowse Jn	ETN	Anglia	13/02/2022

Location	Mileage M Ch		Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Cambridge SB (EN) LOD (T) Down Main and Up Main (Harling Road) at 101m 34ch Up platform 2 - 127m (137yds) Down platform 1 - 90m (97yds) UM - Up Main DM - Down Main
HARLING ROAD	101 35			
Harling Road LC (MCB-OD)	101 41			
Doig Overy Farm LC (UWC)	102 15		T	
	102 44	*		
	103 09	*		
	104 03	*		
Heath No. 59 LC (FPG)	104 10		T	
ECCLES ROAD	104 36			Up platform 2 - 90m (98.4yds) Down platform 1 - 89m (97.3yds)
Eccles Road LC (MCB -OD)	104 41			LOD (T) Down Main and Up Main (Eccles Road) at 104m 41ch

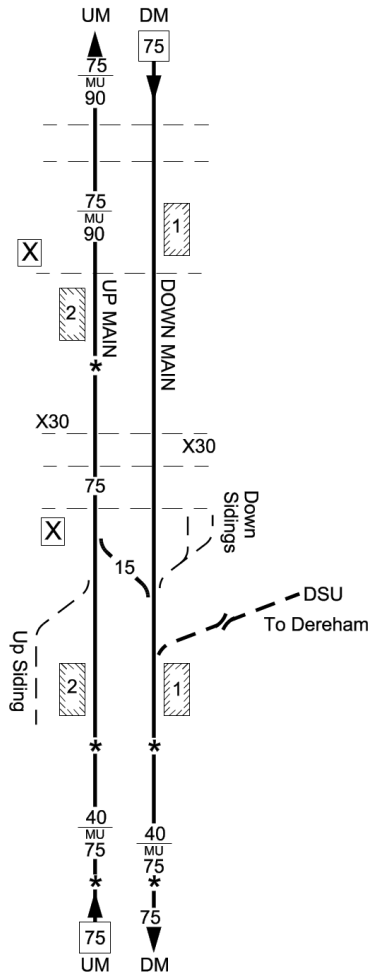
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	007	Ely North Jn to Trowse Jn	ETN	Anglia	07/05/2022

Location	Mileage M	Ch		Running lines & speed restrictions	Signalling & Remarks
					GSM-R TCB Cambridge SB (EN) RA8 UM - Up Main DM - Down Main
Hargham No.1 LC (AHBC)	105	30			
Hargham No.2 LC (UWC)	106	15		T	
Fowlers Lane LC (UWC)	106	75		T	
Poplar Farm LC (MCB -OD)	107	21	*		
Sandy Lane (Goddards) LC UWC	107	29		T	
Leys Lane LC (FPW)	107	67			
ATTLEBOROUGH	108	19			
Attleborough LC (MCB - OD)	108	20			Up platform 2- 131m (143.2yds) Down platform 1 - 116m (126.8yds) LOD (K) Down Main and Up Main (Attleborough) at 108m 21ch
Spronces LC (AHBC-X)	108	66			
No. 74 LC (FPO)	109	07			
Rose Lane LC (UWC)	109	33		T	
	109	43	*		
Baldwins LC (R/G-X) (UWC)	109	66		T	
No. 78 A LC (FPO)	110	05			
	110	14	*		

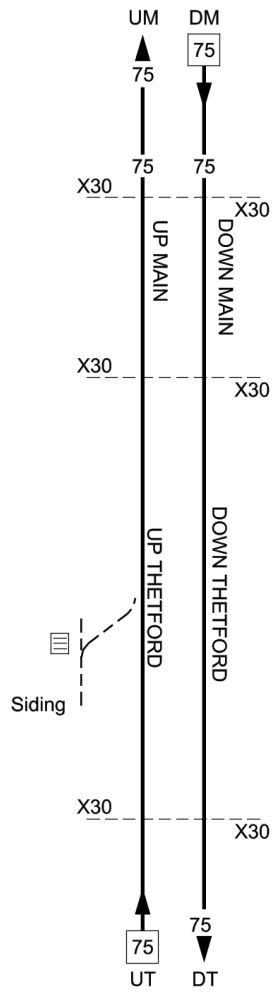
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	008	Ely North Jn to Trowse Jn	ETN	Anglia	23/10/2023

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Cambridge SB (EN) RA8 UM - Up Main DM - Down Main DSU - Dn Single Line Up
Besthorpe LC (FPW)	110 32		
No.80 LC (FPO)	110 62		
Spooner Row LC (MCB-OD)	111 26		LOD (T) Down Main and Up Main (Spooner Row) at 111m 24ch
SPOONER ROW	111 27		Down platform 1 - 42m (45yds) Up platform 2 - 48m (50yds)
	112 15 *		
Suton LC (AHBC-X)	112 30		
Sutton LC (FPS)	112 31		
Park Lane LC (FPW)	113 34	T	LOD (T) Down Main and Up Main (Wymondham) at 113m 61ch
WYMONDHAM	113 72		Up platform 2 - 96m (104.9yds) Down platform 1- 103.56m (113.25yds)
	113 75 *		General instruction applies at Silfield Road (Bridge 1623) at 113m 72ch
	114 06 *		

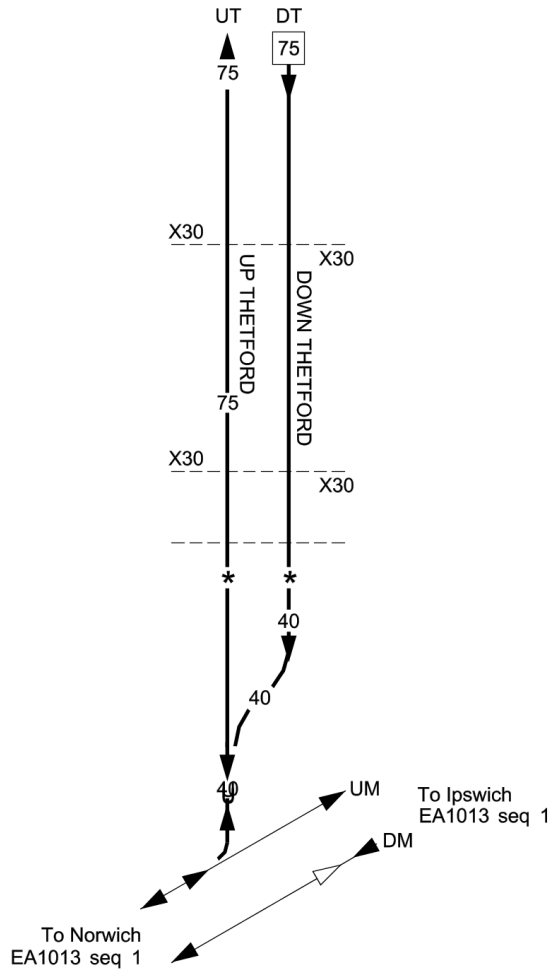
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	009	Ely North Jn to Trowse Jn	ETN	Anglia	03/10/2016

Location	Mileage M	Mileage Ch	Running lines & speed restrictions	Signalling & Remarks
				GSM-R TCB Cambridge SB (EN) RA8 UM - Up Main DM - Down Main UT - Up Thetford DT - Down Thetford
Browick Road LC (AHBC-X)	114	34		
Spinks Lane LC (R/G-X) (UWC)	115	14	T	
				Colchester SB (CO) Norwich panel
Hethersett GF	117	77	S	
Intwood LC (AHBC-X)	119	48		

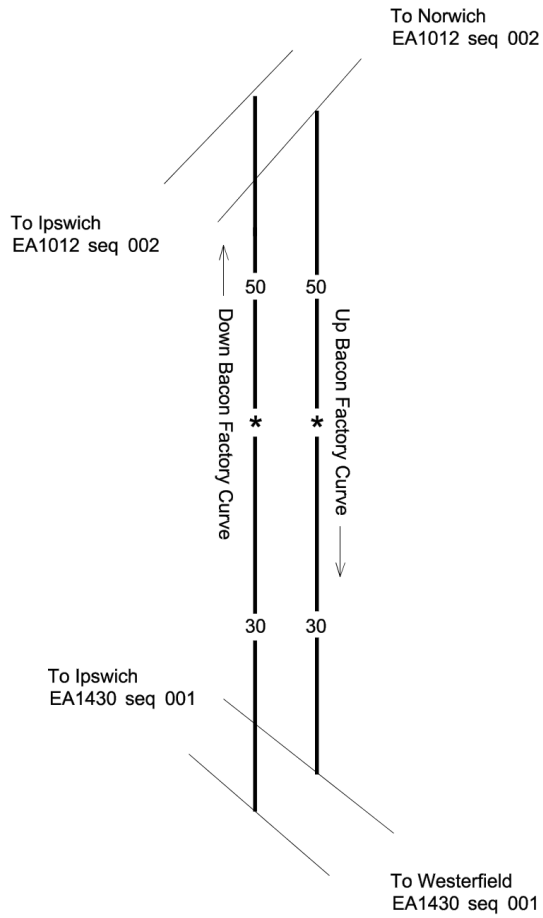
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1580	010	Ely North Jn to Trowse Jn	ETN	Anglia	03/10/2016

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
			GSM-R TCB Colchester SB (CO) RA8 Norwich panel UT - UP THETFORD DT - DOWN THETFORD UM - UP MAIN DM - DOWN MAIN
Keswick LC (AHBC-X)	120 02		
Eaton Common LC (R/G-X)	120 29	T	
Rosemany Lane LC (UWC)	120 60	T	
	122 72 *		Telephone to Colchester signal box at 120m 65ch (signal CO.889R).
Single line	122 78		
Trowse Jn	123 00		

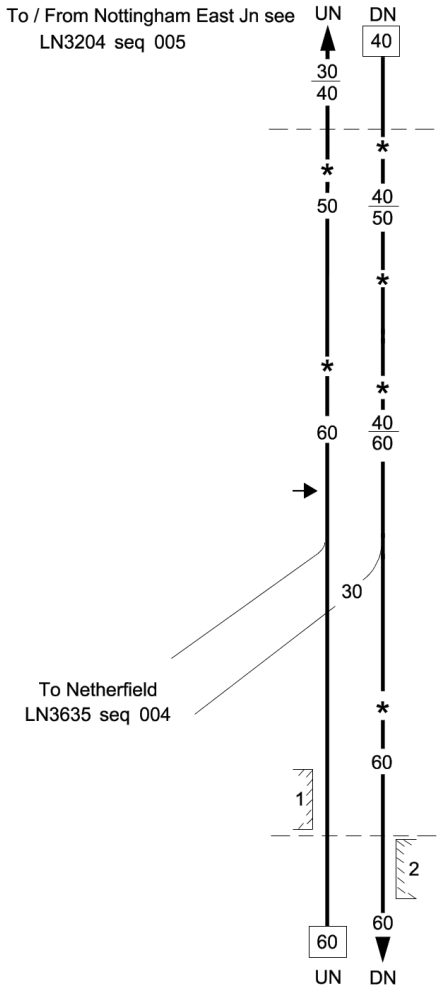
Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
EA1744	001	Bacon Factory Curve	BFC LTN1 ESK	Anglia	20/08/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Europa Jn	00 00		GSM-R TCB Colchester SB (CO) RA10 Ipswich panel
	00 34 *		
Boss Hall Jn	00 63		

Anglia Route Sectional Appendix Module AR2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
LN3625	001	Nottingham East Jn to Newark Flat Crossing (Excl)	NOB1	London North Eastern	15/10/2022

Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks
Colwick LC (CCTV)	1 04		GSM-R TCB EMCC (NN) RA8 Netherfield Workstation
	1 20 *		DN - Down Newark UN - Up Newark
	1 23 *		
	1 58 *		
	1 59 *		
Netherfield Jn HABD	2 26		
Netherfield Jn	2 35		
	2 42 *		Platform Lengths: Carlton P2 - Down Newark 106 metres P1 - Up Newark 77 metres
CARLTON Carlton LC (CCTV)	2 78 2 79		

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SPECIAL WORKING ARRANGEMENT
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EA1013 (TROWSE JN TO NORWICH)

From	To	Type of Train	Line(s)	Remarks
Norwich Station	Crown Point Depot & Siding Via Trowse Stn (Closed)	Mail	All	Authorised to propel. Leading vehicle must be a class 943 (PCV) in propelling mode. Rule Book Module TS1, Regulation 10.4 does not apply
Norwich Thorpe Yard (signal CO570 or CO572)	Trowse Junction (Signals CO557, CO559 or CO561)	Steam locomotives	All	Authorised to propel up to two Private Owner Brakes (POB)

Dated: 08/11/08

EA1162 (ELY NORTH JN TO KINGS LYNN)

The authoriteis published below are subject to the operator of the train and the Network Rail Operations Manager agreeing a method of working and for that method of working to be published in either the WON or TAN

From	To	Type of Train	Line(s)	Remarks
Kings Lynn station	The single line (clear of KL43)	Locomotive and Empty Coaching Stock	Platform lines and single line towards Exton's Road LC	Authorised to propel subject to the following restriction' the movement must not start until KL23 is displaying a Green aspect confirming the route is set to KL35
KL43 on the single line	Kings Lynn station	Locomotive and Empty Coaching Stock	Single line and Platform lines	Authorised to propel

Dated: 21/03/09

EA1310 (CAMDEN ROAD WEST JN TO RICHMOND)

From	To	Type of Train	Line(s)	Remarks
Kensal Gn Jn	Harlesden Jcn	8 ECS, 16 Freight Vehicles	Down & Up	May be propelled
Kensal Gn Jn	Harlesden Jcn	ECS	Down	May be assisted by a loco in rear
Harlesden Jn to	Kensal Gn Jcn	ECS & Freight	Up	May be assisted in rear. Rear locomotive need not be coupled
Kensal Gn Jn	Mitre Bridge Jn	ECS	Down	May be assisted by a loco in rear
Mitre Bridge Jn	Kensal Gn Jn	ECS & Freight	Up	May be assisted in rear. Rear locomotive need not be coupled
Kensal Gn Turnback Sdg	Willesden Royal Mail Terminal	Mail	All	Authorised to propel. Leading vehicle must be a class 943 (PCV) in propelling mode. Rule Book Module TS1, Regulation 10.4 does not apply
Acton Wells Jcn	Kensal Gn Jn	ECS & Freight	Up	May be assisted in rear. Rear locomotive need not be coupled
Acton Wells Jn	Kensal Green Jn	Mail	All	Authorised to propel. Leading vehicle must be a class 943 (PCV) in propelling mode. Rule Book Module TS1, Regulation 10.4 does not apply

Dated: 01/12/07

EA1360 (DUDDING HILL JN TO ACTON WELLS JN)

From	To	Type of Train	Line(s)	Remarks
Old Oak Sdgs	Acton Wells Jn	Freight	All (Down Direction)	Freight vehicles may be propelled. The guard must ride in a brakevan as the leading vehicle
Acton Canal Wharf	Willesden Junction	ECS & Freight	Up & Down	Trains of up to 168 yards in length may be propelled in clear weather only
Acton Canal Wharf	Neasden South Jn	ECS	Up & Single	May be assisted by a loco in rear
Neasden Jn	Acton Wells Jn	ECS	Down	May be assisted by a loco in rear
Neasden Jn	Neasden Sth Jn	11 ECS, 15 Freight Vehicles or up to 20 Fully Fitted Oil Tanks	Down	May be propelled in clear weather only
Neasden Jn	Neasden Sth Jn	Freight & ECS	Up	May be propelled in clear weather only

Dated: 05/11/16

EA1470 (NORWICH THORPE JN TO LOWESTOFT)

From	To	Type of Train	Line(s)	Remarks
Norwich Station	Crown Point Depot & Siding Via Down Lowestoft Line	Mail	All	Authorised to propel. Leading vehicle must be a class 943 (PCV) in propelling mode. Rule Book Module TS1, Regulation 10.4 does not apply

Dated: 01/12/07

EA1580 (ELY NORTH JN TO TROWSE JN)

From	To	Type of Train	Line(s)	Remarks
Dereham Branch (Mid Norfolk Railway)	Wymondham Down Platform	Any	Down North Elmham Up	May be propelled subject to the following restrictions: • Ground staff must position themselves ahead of the movement • The movement must be controlled using radio communication • Hand / lamp signals are only to be used if radio communication fail after the movement has started

Dated: 18/07/09

ROUTE CLEARANCE
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GENERAL NOTES

Last Updated: 29/03/2014

The following tables apply only to the working of trains over running lines and sidings listed in the Table As of the Sectional Appendix. All speed restrictions and local instructions shall be adhered to.

The notations (used in these tables) are explained as follows:

Y Permitted to operate without restriction.
R Permitted to operate but restrictions apply. See “Notes” column for details.
N No published clearance*
E ECS/transit - self powered
EH ECS/transit - dead hauled - (pantograph (where fitted) is lowered)
H Hauled - (pantograph (where fitted) is lowered)
B When the loco’s RA is higher than that of the route then permission is ONLY given (B) for trains working to/from a possession, or to assist a failed train in an emergency. Prior permission must be obtained from Network Rail Control.
T Permitted to operate with the Tilt system

* Where clearances are not published in the Sectional Appendix Route Clearance Tables, trains are only allowed to operate when specifically permitted and the authority has been formally published in an operating notice and / or Network Rail Acceptance Panel documentation.

Conditions of Operation

In addition to any restrictions published in the Route Clearance Tables, it shall be noted that there are other documents (Network Rail Acceptance Panel Summary of Rolling Stock/Infrastructure Compatibility, Discrepancy Registers, Local and General Instructions) that apply to operation on Network Rail managed infrastructure. The Railway Undertaking shall familiarise itself with these.

Tables

D1 Diesel Multiple Units
D2 Electric Multiple Units
D3 Coaching Stock
D4 Locomotives Electric and Diesel
D5 Freight containers/swap bodies

Table D1A – Route clearance of diesel multiple units

Last Updated: 12/02/22

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	150	153	156	158	165	168	170	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	Y	N	N	N	N	N	Y	
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	R1	N	N	N	N	N	R1	R1 Liverpool Street platforms 11-18 diesel traction see Sectional Appendix Local Instructions
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	Y	N	N	N	N	N	Y	
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	Y	N	N	N	N	N	Y	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	Y	N	N	N	N	N	Y	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	Y	N	N	N	N	N	Y	
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	Y	N	N	N	N	N	Y	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	Y	N	E	N	N	N	Y	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	Y	N	E R1	N	E R1 R2	E R3	Y	R1 Prohibited Stratford platform 5 R2 Prohibited with footsteps fitted R3 Prohibited Maryland Platform 3
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	Y	N	E R1 R2	N	E R3 R4	E	Y	R1 20mph Manor Park platform 1 R2 20mph Ilford platforms 2, 3 and 4 R3 Prohibited Ilford platforms 2 and 3 R4 Prohibited with footsteps fitted
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	Y	E R1	E	N	N	N	Y	R1 Prohibited with footsteps fitted
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	Y	E R1	E R2	N	N	N	Y	R1 Prohibited with footsteps fitted R2 Prohibited Chadwell Heath platform 1

EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	Y	E R1	E R2 R3	N	N	N	R4	R1 Prohibited with footsteps fitted R2 Prohibited Harold Wood platform 3 R3 40mph Harold Wood platform 4 R4 Prohibited Harold Wood platform 3 (Up Electric) with deflated suspension
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	Y	E R1	E	N	N	N	Y	R1 Prohibited with footsteps fitted
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	Y	Y	E	N	N	N	Y	
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	Y	R1	Y	N	N	N	Y	R1 Prohibited Colchester platform 2
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	Y	R1 R2 R3	Y	N	N	N	Y	R1 15mph Manningtree platform 2 when laden and 30mph when ECS R2 15mph Manningtree platform 3 – ECS only R3 Prohibited Manningtree platform 4
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	Y	Y	Y	N	N	N	Y	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	Y	Y	Y	Y	N	N	Y	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	Y	Y	Y	R1	N	N	Y	R1 15mph Ipswich platform 2
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	Y	Y	Y	Y	N	N	Y	
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	Y	Y	Y	Y	N	N	Y	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	E	E	E	E	N	N	Y	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	Y	Y	Y	Y	N	N	R1	R1 Prohibited from using the last 25 metres at the buffer stop end of Norwich Royal Dock siding 1
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	Y	N	N	N	N	N	N	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	Y	N	N	N	N	N	N	
EA1040	ROU	Romford – Upminster	0	00	3	30	N	N	N	N	N	N	N	
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	N	N	N	N	N	N	N	
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	N	N	N	N	N	N	N	
EA1070	BRA	Witham – Braintree	24	15	17	71	N	N	Y	N	N	N	Y	
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	Y	Y	Y	N	N	N	N	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	N	N	Y	N	N	N	R1	R1 – Prohibitied Clacton platforms 2 and 3
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	N	N	Y	N	N	N	Y	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	N	N	Y	N	N	N	Y	

EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	N	N	R1	N	N	N	R1	R1	Prohibited from last 20 metres at the buffer stop end of Colchester Town Station
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	N	N	N	N	N	N	N		
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	Y	R1 R2	Y	Y	N	N	Y	R1 R2	Prohibited Manningtree platform 1 15mph Manningtree platform 2 when laden and 30mph when ECS
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	Y	Y	Y	Y	N	N	Y		
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	Y	R1	Y	Y	N	N	R1	R1	Prohibited from using the last 20 metres at the buffer stop end of platform 3 at Harwich International Port
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	Y	N	R1	N	N	N	R1	R1	Prohibited from using the last 20 metres at the buffer stop end of Harwich Town Station
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	N	N	N	N	N	N	N		
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	Y	N	E	N	E	E R1	Y	R1	Prohibited with deflated suspension
EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	N	N	N	N	N	N	Y		
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	N	N	N	N	N	N	Y		
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	Y	N	N	N	N	N	Y		
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	N	N	N	N	E	N	Y		
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	N	N	N	N	N	N	R1	R1	15mph Bishops Stortford platform 3
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	Y	Y	Y	Y	N	N	Y		
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	Y	N	Y	Y	N	N	Y		
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	Y	R1	Y	Y	N	N	Y	R1	Prohibited through Ely platform 3 with deflated suspension
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	Y	N	N	N	N	N	N		
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	Y	N	N	N	N	N	Y		
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	N	N	N	N	N	N	Y		
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	N	N	N	N	N	N	Y		

EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	N	N	N	N	N	N	Y		
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	N	N	N	N	N	N	Y		
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	N	N	N	N	N	N	N		
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	N	N	N	N	N	N	N		
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	Y	Y	Y	Y	N	N	Y		
EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	Y	Y	Y	Y	N	N	Y		
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	R1	N	R1	R1	N	N	R1	R1	Stansted Airport platforms 1 and 3 diesel traction see Sectional Appendix Local Instructions
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	N	Y	Y	Y	N	N	E		
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	N	N	N	N	N	N	N		
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	N	N	N	N	N	N	N		
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	N	N	N	N	N	N	N		
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	Y	N	N	N	E	N	Y		
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	N	N	N	N	E	N	Y		
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	N	N	N	N	E	N	Y		
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	N	N	N	N	N	N	Y		
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	Y	N	N	N	E	E R1	Y	R1	Prohibited with deflated suspension
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	Y	N	N	N	E R1	E R2	Y	R1 R2	Route prohibited to Class 165/1 Prohibited with deflated suspension
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	Y	N	N	N	N	N	N		
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	Y	N	N	N	E R1	E	N	R1	Route prohibited to Class 165/1
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	Y	N	N	N	E R1	E R2	Y	R1 R2	Route prohibited to Class 165/1 Prohibited with deflated suspension

EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	Y	N	N	N	N	N	N		
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	Y	N	N	N	E R1	E R2	Y	R1 R2	Route Prohibited to Class 165/1 Prohibited with deflated suspension
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	Y	N	N	N	E R1	E R2	Y	R1 R2	Route Prohibited to Class 165/1 Prohibited with deflated suspension
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connection to GW130)	0	66	0	72	Y	N	N	N	E R1	E R2	Y	R1 R2	Route Prohibited to Class 165/1 Prohibited with deflated suspension
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	Y	N	N	Y	E R1	E	N	R1	Route prohibited to Class 165/1
EA1310	BOK5	Acton Wells Jn (Connection to GW130) – Acton Central (Limit of AC)	0	72	1	73	Y	N	N	N	N	N	Y		
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	Y	N	N	N	N	N	Y		
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	Y	N	N	N	N	N	Y		
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	Y	N	N	N	N	N	Y		
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	Y	N	N	N	N	N	Y		
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	Y	N	N	N	E	E R1	Y	R1	Prohibited with deflated suspension
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	Y	N	N	N	N	N	E		
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	Y	N	E	N	E	E R1	Y	R1	Prohibited with deflated suspension
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	Y	N	E	N	N	N	E		
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	Y	N	E	N	E	E R1	Y	R1	Prohibited with deflated suspension
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	Y	N	E	N	E	E R1	Y	R1	Prohibited with deflated suspension
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	Y	N	E	N	E	E R1	Y	R1	Prohibited with deflated suspension
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	Y	N	E	N	E	E R1	Y	R1	Prohibited with deflated suspension

EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	Y	N	E	N	E	E R1	Y	R1 Prohibited with deflated suspension
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	Y	N	N	N	N	N	N	
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	N	N	N	N	N	N	N	
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	N	E R1 R2 R3 R4	E R1 R2 R3 R4	E R1 R2 R3 R4	N	E R1 R2 R3 R4	E R1 R2 R3 R4	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Prohibited North of EL264 (5M9Ch) R3 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) Prohibited with deflated suspension
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) **(TFL Infrastructure)**	5	21	5	52	N	E R1 R2 R3	E R1 R2 R3	E R1 R2 R3	N	E R1 R2 R3	E R1 R2 R3	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph Prohibited with deflated suspension
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	N	E R1 R2 R3	E R1 R2 R3	E R1 R2 R3	N	E R1 R2 R3	E R1 R2 R3	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131 points (DN) Prohibited with deflated suspension
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	N	N	N	N	N	N	N	
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary **(TFL Infrastructure)**	4	66	5	51	N	N	N	N	N	N	N	
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	N	N	N	N	N	N	N	
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	N	N	N	N	N	N	N	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	N	N	N	N	N	N	Y	

EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	N	N	N	N	N	N	Y	
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	Y	N	N	N	N	N	N	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	Y	N	N	N	E	N	Y	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	Y	N	N	N	E	N	Y	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	Y	Y	Y	N	N	E	E R1	Prohibited with deflated suspension
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	Y	Y	Y	N	N	N	Y	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	N	N	N	N	N	E	E R1	R1 Prohibited with deflated suspension
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	N	N	N	N	E R1	E	Y	R1 Route prohibited to Class 165/1
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	N	N	N	N	E R1 R2	E	E R3	R1 Route prohibited to Class 165/1 R2 Prohibited with footsteps fitted R3 Prohibited with deflated suspension
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	N	N	N	E	E R1 R2	E	Y	R1 Route prohibited to Class 165/1 R2 Prohibited with footsteps fitted
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	N	N	N	N	E R1 R2	E	E R3	R1 Route prohibited to Class 165/1 R2 Prohibited with footsteps fitted R3 Prohibited with deflated suspension
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) (Willesden West London Jn)	6	19	6	76	Y	N	N	Y	N	N	N	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	Y	N	N	Y	E R1 R2	E	E R3	R1 Route prohibited to Class 165/1 R2 Prohibited with footsteps fitted R3 Prohibited with deflated suspension
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	Y	N	N	N	E	N	Y	
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	Y	N	N	N	E	N	N	
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	Y	N	N	N	E	N	Y	

EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	Y	N	N	N	E	N	Y	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	Y	N	N	N	E	N	Y	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	Y	N	N	N	E	N	Y	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	Y	N	N	N	N	N	N	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	Y	N	N	N	N	N	N	
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	Y	N	N	N	N	N	N	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	Y	N	N	N	N	N	N	
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	N	N	N	N	N	N	N	
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	N	N	N	N	N	N	N	
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	E	N	N	N	N	N	N	
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	N	N	N	N	N	N	N	
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	N	N	N	N	N	N	N	
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	N	N	N	N	N	N	N	
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	N	N	N	N	N	N	N	
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	N	N	N	N	N	N	N	
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	N	N	N	N	N	N	N	
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	N	N	N	N	N	N	N	
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	N	N	N	N	N	N	N	
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	N	N	N	N	N	N	N	
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	N	N	N	N	N	N	N	
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	Y	Y	Y	N	N	N	Y	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	R1	R1	R1	N	N	N	R1	R1 Prohibited unless TCA fitted
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	Y	Y	Y	N	N	N	Y	

EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	Y	Y	Y	N	N	N	Y	
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	N	N	N	N	N	N	N	
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	N	N	N	N	N	N	N	
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	Y	Y	Y	Y	N	N	Y	
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	Y	R1	Y	Y	N	N	Y	R1 Prohibited Cantley Down platform with deflated suspension
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	Y	Y	Y	Y	N	N	Y	
EA1480	WHC1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	Y	Y	Y	Y	N	N	Y	
EA1480	WHC1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	Y	Y	Y	Y	N	N	Y	
EA1480	WHC2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	Y	Y	Y	Y	N	N	Y	
EA1480	WHC3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	Y	R1	Y	Y	N	N	Y	R1 Prohibited Cromer platform 1 with deflated suspension
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	Y	Y	Y	Y	N	N	Y	
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	Y	R1	Y	Y	N	N	Y	R1 Prohibited Yarmouth platform 2
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	Y	R1	Y	Y	N	N	Y	R1 Prohibited Yarmouth platform 2
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	Y	Y	Y	Y	N	N	Y	
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	N	N	N	N	N	N	N	
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	Y	Y	Y	Y	N	N	Y	
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	Y	Y	Y	Y	N	N	Y	
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	Y	Y	Y	Y	N	N	Y	
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	Y	Y	Y	Y	N	N	Y	
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	Y	Y	Y	Y	N	N	Y	
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	Y	Y	Y	Y	N	N	Y	
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	N	N	N	N	N	N	N	
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	N	N	N	N	N	N	N	
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	N	N	N	N	N	N	N	Line out of use (temporarily)
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	Y	Y	Y	Y	N	N	Y	
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	Y	Y	Y	N	N	N	Y	

Table D1B – Route clearance of diesel multiple units

Last Updated: 23/10/2021

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	171	172	175	180	220	221	222	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	N	N	N	N	N	N	E R1	R1 Prohibited Liverpool Street platform 2
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	N	N	N	N	N	N	E R1	R1 Liverpool Street Platforms 11-18 diesel traction see Sectional Appendix Local Instructions
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	N	N	N	N	N	N	E R1	R1 Prohibited Bishopsgate Tunnel down suburban line
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	N	N	N	N	N	N	E	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	N	N	N	N	N	N	E	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	N	N	N	N	N	N	E	
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	N	N	N	N	N	N	E	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	N	Y	N	N	N	E	E	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	N	R1 R2 R3	N	N	N	E	E	R1 Laden services between Stratford Central Jn East and Stratford R2 ECS between Stratford and Forest Gate R3 Prohibited Maryland platform 3 with footsteps fitted
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	N	E R1	N	N	N	E R2 R3	E R2 R3	R1 Prohibited Ilford Depot roads 10 and 11 R2 Prohibited Ilford platform 4 (Down Electric) with deflated suspension R3 Prohibited Manor Park platform 2 (Down Electric) with deflated suspension
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	N	N	N	N	N	E R1	E R1	R1 Prohibited Seven Kings platform 1 (Up Main) with deflated suspension
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	N	N	N	N	N	N	N	
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	N	N	N	N	N	N	N	
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	N	N	N	N	N	N	N	

EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	N	N	N	N	N	N	N	
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	N	N	N	N	N	N	N	
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	N	N	N	N	N	N	N	
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	N	N	N	N	N	N	N	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	N	N	N	N	N	N	N	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	N	N	N	N	N	N	N	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	N	N	N	N	N	N	N	
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	N	N	N	N	N	N	Y	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	N	N	N	N	N	N	Y	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	N	N	N	N	N	N	R1	R1 Prohibited Norwich Royal Dock Siding 1
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	N	N	N	N	N	N	Y	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	N	E	N	N	N	N	N	
EA1040	ROU	Romford – Upminster	0	00	3	30	N	N	N	N	N	N	N	
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	N	N	N	N	N	N	N	
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	N	N	N	N	N	N	N	
EA1070	BRA	Witham – Braintree	24	15	17	71	N	N	N	N	N	N	N	
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	N	N	N	N	N	N	N	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	N	N	N	N	N	N	N	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	N	N	N	N	N	N	N	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	N	N	N	N	N	N	N	
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	N	N	N	N	N	N	N	
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	N	N	N	N	N	N	N	
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	N	N	N	N	N	N	N	
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	N	N	N	N	N	N	N	
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	N	N	N	N	N	N	N	
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	171	172	175	180	220	221	222	Notes
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	N	N	N	N	N	N	N	
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	N	Y	N	N	N	E	Y	
EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	N	N	N	N	N	N	N	
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	N	N	N	N	N	N	N	
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	N	Y	N	N	N	N	N	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	N	R1	N	N	N	N	N	R1 Route prohibited to Class 172/2 and 172/3
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	N	N	N	N	N	N	N	
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	N	N	N	N	N	N	N	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	N	N	N	R1	N	N	R1 R2	R1 Must be planned as a non-stop train between Cambridge and Peterborough R2 Prohibited Cambridge platform 3
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	N	N	N	R1	N	N	R1	R1 Must be planned as a non-stop train between Cambridge and Peterborough
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	N	N	N	N	N	N	N	
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	N	N	N	N	N	N	N	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	N	N	N	N	N	N	N	
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	N	N	N	N	N	N	N	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	N	N	N	N	N	N	Y	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	N	N	N	N	N	N	N	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	N	N	N	N	N	N	N	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	N	N	N	N	N	N	N	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	N	N	N	N	N	N	N	
EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	N	N	N	N	N	N	N	
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	171	172	175	180	220	221	222	Notes
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	N	N	N	R1	N	N	R1	R1 Must be planned as a non-stop train between Hitchin and Cambridge
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	N	N	N	N	N	N	N	
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	N	N	N	N	N	N	N	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	N	R1	N	N	N	N	N	R1 Route prohibited to Class 172/2 and 172/3
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	N	R1	N	N	N	N	N	R1 Route prohibited to Class 172/2 and 172/3
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	N	R1	N	N	N	N	N	R1 Route prohibited to Class 172/2 and 172/3
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	N	R1	N	N	N	N	N	R1 Route prohibited to Class 172/2 and 172/3
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	N	N	N	N	N	N	N	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	N	Y	N	E	N	N	Y	
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	N	Y	N	E	N	N	Y	
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	N	E R1	N	E	N	N	N	R1 Route prohibited to Class 172/2 and 172/3
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	N	R1	N	N	N	N	N	R1 Prohibited to Class 172/2 and 172/3 when laden
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	N	Y	N	E R1	N	N	Y	R1 Underbridge 6a Euston Local lines intersection (05m 37ch) prohibited with deflated suspension
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	N	Y	N	N	N	N	N	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	N	Y	N	E	N	N	Y	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	R1	Y	N	E	N	N	Y	R1 Prohibited between Former Old Oak Jn (change of mileage) and Acton Wells Signal Box
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connecton to GW130)	0	66	0	72	Y	Y	N	E	N	N	Y	

EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	Y	E	Y	E	Y	Y	Y	
EA1310	BOK5	Acton Wells Jn (Connecton to GW130) – Acton Central (Limit of AC)	0	72	1	73	N	Y	N	N	N	N	N	
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	N	Y	N	N	N	N	N	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	N	Y	N	N	N	N	N	
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	N	Y	N	N	N	N	N	
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	N	E	N	N	N	E	N	
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	N	Y	N	E	N	E	Y	
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	N	E	N	E	N	N	Y	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	N	Y	N	N	N	E	Y	
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	N	N	N	E	N	N	Y	
EA1320	BOK1	Canonbury West Jn – Dalson Western Jn	3	12	2	21	N	Y	N	N	N	E	Y	
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	N	Y	N	N	N	E	Y	
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	N	Y	N	N	N	E	Y	
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	N	Y	N	N	N	E	Y	
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	N	Y	N	N	N	E	Y	
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	N	R1	N	N	N	N	N	R1 Prohibited to Class 172/2 and 172/3
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	N	N	N	N	N	N	N	

EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	E R1 R2 R3 R4	E R1 R2 R3 R4	N	N	N	N	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Prohibited North of EL264 (5M9Ch) R3 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) Prohibited with deflated suspension
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) **(TFL Infrastructure)**	5	21	5	52	E R1 R2 R3	E R1 R2 R3	N	N	N	N	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph Prohibited with deflated suspension
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	E R1 R2 R3	E R1 R2 R3	N	N	N	N	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131points (DN)) Prohibited with deflated suspension
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	N	N	N	N	N	N	N	
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary **(TFL Infrastructure)**	4	66	5	51	N	N	N	N	N	N	N	
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	N	N	N	N	N	N	N	
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	N	N	N	N	N	N	N	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	N	N	N	N	N	N	N	
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	N	N	N	N	N	N	N	
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	N	N	N	N	N	N	N	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	N	N	N	N	N	N	N	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	N	N	N	N	N	N	N	

EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	N	E	Y	N	N	N	Y	
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	N	E	N	N	N	N	Y	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	N	E	Y	N	N	N	N	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	N	E	N	N	N	N	N	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	N	E	Y	N	N	N	N	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	N	E R1	Y	Y	Y	Y	N	R1 Route prohibited to Class 172/2 and 172/3
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	N	E	Y	Y	Y	Y	N	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) Willesden West London Jn)	6	19	6	76	Y	N	Y	Y	Y	Y	N	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	Y	E	Y	Y	Y	Y	N	
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	N	Y	N	E	N	N	N	
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	N	E	N	N	N	N	N	
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	N	Y	N	E	N	N	N	
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	N	E	N	E	N	N	N	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	N	Y	N	N	N	N	N	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	N	Y	N	N	N	N	N	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	N	Y	N	N	N	N	N	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	N	Y	N	N	N	N	N	
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	N	Y	N	N	N	N	N	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	N	Y	N	N	N	N	N	
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	N	N	N	N	N	N	N	
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	N	N	N	N	N	N	N	

EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	N	E R1	N	N	N	N	N	R1 Route prohibited to Class 172/2 and 172/3
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	N	N	N	N	N	N	N	
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	N	N	N	N	N	N	N	
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	N	N	N	N	N	N	N	
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	N	N	N	N	N	N	N	
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	N	N	N	N	N	N	N	
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	N	N	N	N	N	N	N	
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	N	N	N	N	N	N	N	
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	N	N	N	N	N	N	N	
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	N	N	N	N	N	N	N	
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	N	N	N	N	N	N	N	
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	N	N	N	N	N	N	N	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	N	N	N	N	N	N	N	
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	N	N	N	N	N	N	N	
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	N	N	N	N	N	N	N	
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	N	N	N	N	N	N	N	
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	N	N	N	N	N	N	N	
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	N	N	N	N	N	N	Y	
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	N	N	N	N	N	N	N	
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	N	N	N	N	N	N	N	
EA1480	WHC 1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	N	N	N	N	N	N	N	
EA1480	WHC 1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	N	N	N	N	N	N	N	
EA1480	WHC 2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	N	N	N	N	N	N	N	

EA1480	WHC 3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	N	N	N	N	N	N	N		
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	N	N	N	N	N	N	N		
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	N	N	N	N	N	N	N		
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	N	N	N	N	N	N	N		
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	N	N	N	N	N	N	N		
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	N	N	N	N	N	N	N		
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	N	N	N	N	N	N	N		
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	N	N	N	N	N	N	N		
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	N	N	N	N	N	N	N		
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	N	N	N	N	N	N	N		
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	N	N	N	Y	N	N	Y		
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	N	N	N	R1	N	N	R1	R1	Must be planned as a non-stop train between Cambridge and Peterborough
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	N	N	N	N	N	N	N		
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	N	N	N	N	N	N	N		
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	N	N	N	N	N	N	N	Line out of use (temporarily)	
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	N	N	N	N	N	N	Y		
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	N	N	N	N	N	N	N		

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Table D2A – Route clearance of electric multiple units

Last Updated: 23/09/2023

To be read in conjunction with General Notes.

357 MOD = 357 (Modified) and refers to Class 357 units that have had 65mm removed from the width of their footsteps

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	Y	Y	N	Y	H	Y	Y	
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	Y	Y	N	Y	H	Y	Y	
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	Y	Y	N	Y	H	Y	Y	
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	Y	Y	N	Y	H	Y	Y	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	Y	Y	N	Y	H	Y	Y	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	Y	Y	N	Y	H	Y	Y	
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	Y	Y	N	Y	H	Y	Y	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	Y	Y	N	Y	Y	Y	Y	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	Y	Y	N	Y	Y	Y	Y	
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	Y	Y	N	Y	Y	Y	E R1	R1 Prohibited Ilford platform 3
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	Y	Y	N	Y	Y	Y	N	R1 Prohibited with shoe gear fitted R2 Prohibited Seven Kings platforms 1 and 2 (Down Main) – with deflated suspension
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	Y	Y	N	Y	Y	Y	N	R1 Prohibited with shoe gear fitted
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	Y	Y	N	Y	Y	Y	N	R1 Prohibited with shoe gear fitted R2 Prohibited Gidea Park platform 1 and 50mph through platform 2 with deflated suspension R3 Prohibited Brentwood Station platform 3 (Up Electric Line)
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	Y	Y	N	Y	Y	N	N	R1 Prohibited with shoe gear fitted

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	Y	Y	N	Y	Y	N	N	R1 Prohibited with shoe gear fitted
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	Y	Y	N	Y	Y	N	N	R1 Prohibited with shoe gear fitted
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	Y	Y	N	Y	Y	N	N	
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	Y	Y	N	Y	Y	N	N	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	Y	Y	N	Y	Y	N	N	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	Y	Y	N	Y	Y	N	N	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	Y	Y	N	Y	Y	N	N	
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	Y	Y	N	Y	Y	N	N	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	Y	Y	N	Y	Y	N	N	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	Y	Y	N	Y	Y	N	N	
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	Y	Y	N	Y	H	E	E	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	N	Y	N	N	H	E	Y	
EA1040	ROU	Romford – Upminster	0	00	3	30	Y	R1	N	Y	H	N	N	R1 Between Romford platform 1 and Upminster platform 6 only
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	Y	N	N	Y	H	N	N	R1 Prohibited Rayleigh Station Down platform 2 with deflated suspension
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	Y	N	N	Y	H	N	N	
EA1070	BRA	Witham – Braintree	24	15	17	71	Y	Y	N	Y	H	N	N	
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	N	N	N	N	H	N	N	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	Y	N	N	Y	H	N	N	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	Y	N	N	Y	H	N	N	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	Y	N	N	Y	H	N	N	
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	Y	N	N	Y	H	N	N	
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	Y	N	N	Y	H	N	N	
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	N	Y	N	Y	H	N	N	
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	N	Y	N	Y	H	N	N	
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	N	Y	N	Y	H	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	N	Y	N	Y	H	N	N	
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	N	N	N	N	N	N	N	
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	Y	Y	N	Y	Y	E	E	
EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	Y	Y	N	Y	H	N	N	
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	Y	Y	N	Y	H	N	N	
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	Y	Y	N	Y	H	N	N	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	Y	Y	N	Y	H	N	N	
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	Y	Y	N	Y	H	N	N	
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	Y	Y	N	Y	H	N	N	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	R1	R1	N	R1	H	N	N	R1 See Sectional Appendix Local Instructions
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	R1	R1	N	R1	H	N	N	R1 See Sectional Appendix Local Instructions
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	N	R1	N	N	H	N	N	R1 See Sectional Appendix Local Instructions
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	Y	Y	N	Y	H	N	N	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	Y	Y	N	Y	H	N	N	
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	Y	Y	N	N	H	N	N	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	Y	Y	N	Y	H	N	N	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	Y	Y	N	Y	H	N	N	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	Y	Y	N	Y	H	N	N	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	Y	Y	N	N	H	N	N	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	Y	Y	N	Y	H	N	N	
EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	Y	Y	N	Y	H	N	N	
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	Y	Y	N	Y	H	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	R2	R2	N	R2	H	N	N	R1 Must only run with D.C. shoe gear removed R2 See Sectional Appendix Local Instructions
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	N	N	N	N	N	N	N	
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	N	N	N	N	N	N	N	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	Y	Y	N	Y	H	R1	N	R1 ECS only between Stratford and Temple Mills East Jn
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	Y	Y	N	Y	H	E R1	N	R1 Prohibited Ruckholt Road Jn to Coppermill Jn
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	Y	Y	N	Y	H	N	N	
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	Y	Y	N	Y	H	N	N	
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	Y	Y	N	Y	H	N	N	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	N	N	E	N	Y	E	N	
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	N	N	E	N	Y	E	N	
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	N	N	E	N	Y	N	N	
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	N	N	N	N	H	N	N	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	N	N	E	N	Y	E	N	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	N	N	E	N	Y	N	N	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	N	N	N	N	H	E	N	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	N	N	N	N	H	E	N	
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connection to GW130)	0	66	0	72	N	N	N	N	H	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	N	N	N	N	H	E	N	
EA1310	BOK5	Acton Wells Jn (Connection to GW130) – Acton Central (Limit of AC)	0	72	1	73	N	N	N	N	H	N	N	
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	N	N	N	N	H	N	N	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	N	N	N	N	H	N	N	
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	N	N	N	N	H	N	N	
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	N	Y	E	Y	Y	N	N	
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	N	Y	E	Y	Y	E	N	
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	N	Y	E	Y	Y	N	N	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	N	Y	E	Y	Y	E	N	
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	Y	Y	E	Y	H	E	E	
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	Y	Y	E	Y	Y	E	E	
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	Y	Y	N	Y	Y	E	E	
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	Y	Y	N	Y	Y	E	E	
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	Y	Y	N	Y	Y	E	E	
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	Y	Y	N	Y	Y	E	E	
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	N	N	N	N	H	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	N	N	N	N	N	N	N	
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	EH R1 R2 R3 R4	EH R1 R2 R3 R4	N	EH R1 R2 R3 R4	N	N	EH R1 R2 R3 R4	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Prohibited North of EL264 (5M9Ch) R3 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) Prohibited with deflated suspension
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) **(TFL Infrastructure)**	5	21	5	52	EH R1 R2 R3	EH R1 R2 R3	N	EH R1 R2 R3	N	N	EH R1 R2 R3	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph Prohibited with deflated suspension
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	EH R1 R2 R3	EH R1 R2 R3	N	EH R1 R2 R3	N	N	EH R1 R2 R3	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131 points (DN) Prohibited with deflated suspension
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	N	N	N	N	N	N	N	
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary **(TFL Infrastructure)**	4	66	5	51	N	N	N	N	N	N	N	
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	N	N	N	N	N	N	N	
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	N	N	N	N	N	N	N	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	N	N	N	N	N	N	N	
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	Y	Y	N	Y	H	E	N	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	Y	Y	N	Y	H	E	N	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	Y	Y	N	Y	H	E	N	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	N	N	N	N	H	N	N	
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	N	N	N	N	H	N	N	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	N	N	N	N	N	N	N	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	N	N	N	N	N	N	N	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	N	N	N	N	N	N	N	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	N	N	N	N	N	N	N	
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	N	N	N	N	N	N	N	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) (Willesden West London Jn)	6	19	6	76	N	N	N	N	H	N	N	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	N	N	N	N	H	N	N	
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	N	N	N	N	H	N	N	
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	N	N	N	N	H	N	N	
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	N	N	N	N	H	N	N	
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	N	N	N	N	H	N	N	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	N	N	N	N	H	N	N	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	N	N	N	N	H	N	N	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	N	N	N	N	H	N	N	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	N	Y	N	N	H	E	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	N	Y	N	N	H	E	Y	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	N	N	N	N	H	N	N	
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	N	Y	N	Y	H	N	Y	
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	N	Y	N	Y	H	E	Y	
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	N	Y	N	Y	H	E	Y	
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	N	Y	N	Y	H	E	Y	
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	N	Y	N	Y	H	N	Y	
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	N	Y	N	Y	H	N	Y	
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	N	Y	N	Y	H	N	Y	
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	N	Y	N	Y	H	E R1	Y	R1 Prohibited between Ripple Lane West Jn and Former Tilbury West Jn
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	N	Y	N	Y	H	N	Y	
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	N	N	N	Y	H	E	Y	
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	N	Y	N	Y	H	N	Y	
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	N	Y	N	Y	H	N	Y	
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	N	N	N	N	N	N	N	
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	N	N	N	N	H	N	N	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	N	N	N	N	N	N	N	
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	N	N	N	N	H	N	N	
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	N	N	N	N	H	N	N	
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	N	N	N	N	N	N	N	
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	N	N	N	N	N	N	N	
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	E	E	N	E	Y	N	N	
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	N	N	N	N	H	N	N	
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	N	N	N	N	H	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	315	317	319	321	325	345	357	Notes
EA1480	WHC 1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	N	N	N	N	H	N	N	
EA1480	WHC 1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	N	N	N	N	H	N	N	
EA1480	WHC 2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	N	N	N	N	H	N	N	
EA1480	WHC 3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	N	N	N	N	H	N	N	
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	N	N	N	N	H	N	N	
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	N	N	N	N	H	N	N	
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	N	N	N	N	H	N	N	
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	N	N	N	N	H	N	N	
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	N	N	N	N	N	N	N	
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	N	N	N	N	H	N	N	
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	N	N	N	N	H	N	N	
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	N	N	N	N	H	N	N	
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	N	N	N	N	H	N	N	
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	N	N	N	N	H	N	N	
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	N	N	N	N	H	N	N	
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	N	N	N	N	N	N	N	
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	N	N	N	N	N	N	N	
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	N	N	N	N	N	N	N	Line out of use (temporarily)
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	N	N	N	N	H	N	N	
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	N	N	N	N	EH	N	N	

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Table D2B – Route clearance of electric multiple unit trains

Last Updated: 23/09/2023

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	Y	N	N	Y	N	R1	N	R1 Prohibited Liverpool Street platforms 1 & 2
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	Y	N	N	Y	N	Y	N	
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	Y	N	N	Y	N	Y	N	
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	Y	N	N	Y	N	Y	N	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	Y	N	N	Y	N	Y	N	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	Y	N	N	Y	N	R1	N	R1 Prohibited LTN1/52 Northern Outfall Sewer Underbridge 03m 31ch Up and Down Temple Mills line
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	Y	N	N	Y	N	Y	N	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	Y	N	N	Y	EH	Y	N	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	Y	N	E	Y	EH R1	R2	N	R1 Prohibited Stratford platform 5 R2 Prohibited in crush laden condition with deflated suspension Maryland platform 1 and Forest Gate platform 1
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	Y	N	E	Y	EH	E R1	N	R1 Prohibited with deflated suspension Manor Park platform 1 and Ilford platforms 2 & 3
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	Y0	N	N	Y	N	N	N	
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	Y	N	N	Y	N	N	N	
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	Y	N	N	Y	N	N	N	
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	Y	N	N	Y	N	N	N	
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	R1	N	N	R1	N	N	N	R1 If stopped at signal L789 on the down main line approaching Church Street AHBC level crossing, the maximum speed of the train shall be 50mph until the front of the train is clear of the crossing
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	Y	N	N	Y	N	N	N	
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	Y	N	N	Y	N	N	N	
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	Y	N	N	Y	N	N	N	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	Y	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41		N	N	N	Y	N	N	N	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68		N	N	N	Y	N	N	N	
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37		N	N	N	Y	N	N	N	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28		N	N	N	N	N	N	N	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09		N	N	N	R1	N	N	N	R1 Prohibited Norwich Royal Dock Siding 1
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70		N	N	N	Y	N	E	N	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31		N	N	E	E	N	R1	N	R1 Prohibited in crush laden condition with deflated suspension Woodgrange Park Up platform
EA1040	ROU	Romford – Upminster	0	00	3	30		N	N	N	Y	N	N	N	
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42		N	N	N	Y	N	N	N	
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42		N	N	N	Y	N	N	N	
EA1070	BRA	Witham – Braintree	24	15	17	71		N	N	N	R1	N	N	N	R1 40mph maximum speed
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32		N	N	N	N	N	N	N	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56		N	N	N	Y	N	N	N	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30		N	N	N	Y	N	N	N	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00		N	N	N	Y	N	N	N	
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76		N	N	N	Y	N	N	N	
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15		N	N	N	Y	N	N	N	
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67		N	N	N	Y	N	N	N	
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24		N	N	N	Y	N	N	N	
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72		N	N	N	Y	N	N	N	
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61		N	N	N	Y	N	N	N	
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47		N	N	N	N	N	N	N	
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00		N	N	Y	Y	EH	E	N	
EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55		N	N	N	Y	N	N	N	
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04		N	N	N	Y	N	N	N	
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74		N	N	N	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	EH R1	N	E	Y	N	N	N	Class 360/1 only
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	N	N	N	Y	N	N	N	
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	N	N	N	Y	N	N	N	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	N	N	N	R1	N	R2	N	R1 See Sectional Appendix Local Instructions R2 Cass 387/1 only
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	N	N	N	R1	N	Y	N	R1 See Sectional Appendix Local Instructions
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	N	N	N	R1	N	Y	N	R1 See Sectional Appendix Local Instructions R2 Prohibited in 12 car formation
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	N	N	N	Y	N	N	N	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	N	N	E R1	Y	N	N	N	R1 Prohibited Crossover North of Severn Sisters to Bury Street Jn.
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	N	N	N	Y	N	N	N	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	N	N	E	N	N	N	N	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	N	N	N	Y	N	N	N	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	N	N	N	Y	N	N	N	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	N	N	N	Y	N	N	N	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	N	N	N	Y	N	N	N	
EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	N	N	N	Y	N	N	N	
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	N	N	N	Y	N	N	N	
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	N	N	N	N	N	Y	N	R1 See Sectional Appendix Local Instructions
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	N	N	N	N	N	N	N	
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	N	N	N	N	N	N	N	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	E	N	Y	Y	N	N	N	
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	E R1 R2	N	E R3	Y	N	E R4	N	R1 Class 360/2 Prohibited between Orient Way Sidings and Coppermill Jn R2 Class 360/1 dead haul only between Orient Way Sidings and Coppermill Jn R3 Prohibited Temple Mills East Jn to Ruckholt Road Jn R4 Prohibited Temple Mills West Jn - Coppermill Jn
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	E R1	N	E	Y	N	N	N	Class 360/1 only
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	E R1	N	E	Y	N	N	N	Class 360/1 only
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	N	N	E	Y	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	E R1	E	Y	E	N	E	N	R1 Class 360/1 only R1 OPPOS applies at Camden Rd West Jn on the Down and Up between 0m 00ch and 0m 10ch
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	E R1	E	Y	E	N	E	N	Class 360/1 only
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	E R1	N	Y	E	N	N	N	Class 360/1 only
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	N	N	Y	N	N	N	N	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	N	E	Y	N	N	N	N	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	N	E	Y	N	N	N	N	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	N	N	Y	N	N	N	N	R1 OPPOS applies
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	N	N	Y	N	N	N	N	R1 OPPOS applies
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connection to GW130)	0	66	0	72	N	N	Y	N	N	N	N	R1 OPPOS applies
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	N	N	N	N	N	E	N	
EA1310	BOK5	Acton Wells Jn (Connection to GW130) – Acton Central (Limit of AC)	0	72	1	73	N	N	R1	N	N	N	N	R1 Between Acton Wells and the end of the OLE at Acton Central - notch 2 operation only
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	N	N	Y	N	N	N	N	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	N	N	Y	N	N	N	R1 R2	R1 Class 499/5 only R2 Prohibited South Acton Jn - extent of fourth rail electrified line on the Up Richmond line (to allow shunt moves only)
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	N	N	Y	N	N	N	R1 R2 R3	R1 Class 499/0 and 499/5 only R2 20mph Kew Gardens platform 1 (Up Richmond line) passenger moves only R3 Prohibited Richmond platform 3
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	E R1	E	Y	E	EH	E	N	Class 360/1 only
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	E R1	E	Y	E	EH	N	N	R1 Class 360/1 only R1 Prohibited Up East London and Down East London lines

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	N	E	E	N	N	N	N	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	E R1	N	Y	E	EH	N	N	R1 Class 360/1 only
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	N	N	E	E	N	E	N	
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	E R1	N	Y	E	EH	E	N	R1 Class 360/1 only
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	E R1	N	Y	E	EH	E	N	Class 360/1 only
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	E R1	N	Y	E	EH	E	N	Class 360/1 only
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	E R1	N	Y	E	EH	E	N	Class 360/1 only
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	E R1	N	Y	Y	EH	E	N	Class 360/1 only
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	N	N	Y	N	N	N	N	
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	N	N	Y	N	N	N	N	
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	EH R1 R2 R3 R4	E R1 R2 R3 R4 R5 R6	Y	EH R1 R2 R3 R4	EH R1 R2 R3 R4	N	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Prohibited North of EL264 (5M9Ch) R3 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) R4 Prohibited with deflated suspension R5 Regen Braking must be switched off Class 377/2, /3, /5 and /7 must be hauled

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	EH R1 R2 R3	E R1 R2 R3 R4 R5 R6	Y	EH R1 R2 R3	EH R1 R2 R3	N	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131points (DN)) R3 Prohibited with deflated suspension R4 Must be hauled if busline exceeds 80 metres. Shoegear isolated. R5 Regen Braking must be switched off Class 377/2, /3, /5 and /7 must be hauled
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	N	N	Y	N	N	N	N	
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary **(TFL Infrastructure)**	4	66	5	51	N	N	Y	N	N	N	N	
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	N	N	Y	N	N	N	N	
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	N	N	N	N	N	N	N	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	N	N	N	N	N	N	N	R1 OPPOS applies between Kew East Jn and New Kew Jn
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	N	N	N	N	N	N	N	
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	N	N	E	N	N	E	N	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	E	N	E	Y	N	E	N	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	E	N	E	Y	N	E	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	N	N	N	N	N	N	N	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	N	N	N	N	N	N	N	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	N	N	N	N	N	N	N	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	N	N	N	N	N	N	N	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	N	N	N	N	N	N	N	
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	N	N	N	N	N	N	N	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) (Willesden West London Jn)	6	19	6	76	N	N	N	N	N	E	N	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	N	N	N	N	N	N	N	
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	E R1	N	Y	N	N	N	N	Class 360/1 only
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	EH R1	EH	N	N	N	N	N	R1 Class 360/1 only R1 OPPOS Up or Down Tottenham through Tottenham North Curve Tunnel No.2 (Carlton Rd Jn - Junction Road Jn)
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	E R1	EH	Y	N	N	N	N	Class 360/1 only
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	E R1	EH	E	N	N	N	N	Class 360/1 only
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	E R1	N	Y	N	N	N	N	Class 360/1 only
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	E R1	N	Y	Y	N	N	N	Class 360/1 only
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	N	N	Y	N	N	N	N	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	N	N	Y	E	N	Y	N	
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	N	N	Y	E	N	Y	N	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	N	N	Y	N	N	R1	N	R1 Prohibited with deflated suspension
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	N	N	N	N	N	Y	N	
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	N	N	N	N	N	Y	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	N	N	N	N	N	Y	N	
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	N	N	N	N	N	R1	N	R1 Prohibited in crush laden condition with deflated suspension Dagenham East Up platform
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	N	N	N	N	N	R1 R2	N	Prohibited in crush laden condition with deflated suspension Leigh-on-Sea platform 3 and Southend Central platforms 1, 2 and 4 Prohibited Upminster Bay platform 1a,
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	N	N	N	N	N	R1	N	R1 Prohibited in crush laden condition with deflated suspension Southend East platform 1
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	N	N	E R1	N	N	N	N	R1 Prohibited Grays East Jn to Former Tilbury West Jn
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	N	N	N	N	N	R1	N	R1 Prohibited with deflated suspension Dagenham Dock Up & Down platforms and Grays Down platform
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	N	N	N	N	N	Y	N	
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	N	N	N	N	N	N	N	
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	N	N	N	N	N	Y	N	
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	N	N	N	N	N	N	N	
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	N	N	N	N	N	N	N	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	N	N	N	N	N	N	N	
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	N	N	N	N	N	N	N	
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	N	N	N	N	N	N	N	
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	N	N	N	N	N	N	N	
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	N	N	N	N	N	N	N	
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	E	N	N	N	N	N	N	
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	N	N	N	N	N	N	N	
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	N	N	N	N	N	N	N	
EA1480	WHC 1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	N	N	N	N	N	N	N	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	360	377	378	379	380	387	499	Notes
EA1480	WHC2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	N	N	N	N	N	N	N	
EA1480	WHC3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	N	N	N	N	N	N	N	
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	N	N	N	N	N	N	N	
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	N	N	N	N	N	N	N	
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	N	N	N	N	N	N	N	
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	N	N	N	N	N	N	N	
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	N	N	N	N	N	N	N	
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	N	N	N	N	N	N	N	
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	N	N	N	N	N	N	N	
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	N	N	N	N	N	N	N	
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	N	N	N	N	N	N	N	
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	N	N	N	N	N	N	N	
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	N	N	N	N	N	N	N	
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	N	N	N	N	N	N	N	
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	N	N	N	N	N	N	N	
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	N	N	N	N	N	N	N	Line out of use (temporarily)
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	N	N	N	N	N	N	N	
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	N	N	N	N	N	N	N	

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Table D2C – Route clearance of electric multiple units

Last Updated: 14/10/2023

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	N	Y	N	Y	Y	Y	Y	R1
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	N	N	N	R1	Y	Y	Y	5-car operations only on platforms 16 & 17
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	N	Y	N	Y	Y	Y	Y	
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	N	Y	N	Y	Y	Y	Y	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	N	Y	N	Y	Y	Y	Y	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	N	Y	N	Y	Y	Y	Y	R2
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	N	Y	N	Y	Y	Y	Y	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	N	Y	N	Y	Y	Y	Y	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	N	R1	N	Y	Y	Y	Y	R3 ECS only Stratford Station to Forest Gate Jn
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	N	E	N	Y	R1 R2	Y	Y	R1 ECS only Forest Gate Jn to Chadwell Heath (Turnback siding) R2 Prohibited Chadwell Heath (Turnback siding) to Ilford Depot London End
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	N	E	N	Y	N	Y	Y	
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	N	E	N	Y	N	Y	Y	
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	N	E	N	Y	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	N	E R1	N	Y	N	R2	R2	R1 Prohibited Shenfield 20m 50ch to Witham Jn Prohibited Access to Siding (Yard Road) Witham PTS:2373B(TU)
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	N	N	N	R1	N	R1	R1	R2 If stopped at signal L789 on the down main line approaching Church Street AHBC level crossing, the maximum speed of the train shall be 50mph until the front of the train is clear of the crossing
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	N	N	N	Y	N	Y	Y	
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	N	N	N	Y	N	Y	Y	
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	N	N	N	Y	N	Y	Y	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	N	N	N	Y	N	Y	Y	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	N	N	N	Y	N	Y	Y	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	N	N	N	Y	N	Y	Y	
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	N	N	N	Y	N	Y	Y	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	N	N	N	Y	N	E	E	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	N	N	N	Y	N	Y	Y	R2
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	N	N	N	Y	E	Y	Y	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	N	Y	N	Y	Y	EH	E R1	R2 Diesel operation only
EA1040	ROU	Romford – Upminster	0	00	3	30	N	Y	N	R1	N	N	N	5-car operations only
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	N	N	N	R1	N	Y	Y	Prohibited Wickford Bay platform 4
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	N	N	N	Y	N	Y	Y	
EA1070	BRA	Witham – Braintree	24	15	17	71	N	N	N	Y	N	Y	Y	R2
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	N	N	N		N	H	Y	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	N	N	N	Y	N	Y	Y	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	N	N	N	Y	N	Y	Y	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	N	N	N	Y	N	Y	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	N	N	N	R1	N	Y	Y	Prohibited Colchester Town single platform with crush deflated suspension
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	N	N	N	R1 R2	N	E R3 R4	R4 R5	R1 5-car operations only R2 Prohibited last 20m of Walton-on-the-Naze single platform R3 Only leading pantograph to be raised R4 Prohibited Walton-on-the-Naze Single Platform with deflated suspension Prohibited diesel or electric triple mode
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	N	N	N	R1	N	Y	Y	Prohibited Manningtree Bay platform 1 with deflated suspension
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	N	N	N	Y	N	Y	Y	
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	N	N	N	Y	N	Y	Y	
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	N	N	N	Y	N	Y	Y	
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	N	N	N	N	N	N	N	
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	N	Y	N	Y	E	Y	Y	
EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	N	Y	N	Y	N	Y	Y	
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	N	R1	N	Y	N	Y	Y	Prohibited Hackey Downs platform 3 with deflated suspension
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	N	Y	N	Y	N	Y	Y	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	N	Y	N	Y	N	Y	Y	R1
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	N	R1	N	Y	N	R2	R2	R2 ECS only Cheshunt Station to Broxbourne (north end of loops) R3 Prohibited Broxbourne (north end of loops) to Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X) Prohibited Access to Tamper Sidings PTS:2628B Bishops Stortford

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	N	N	N	Y	N	Y	Y	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	R1	N	R2 R3	Y	N	Y	Y	R1 See Sectional Appendix Local Instructions R2 Prohibited between Cambridge and Ely Dock Jn R4 Prohibited Cambridge platform 5 with deflated secondary suspension
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	R1	N	N	R2	N	R3	R4	R1 See Sectional Appendix Local Instructions R2 5-car operations only Ely to Ely North Jn R3 Prohitied Ely to Ely North Jn except for test purposes R2 Prohibited diesel or electric triple mode Ely to Ely North Jn
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	R1	N	N	R2	N	R3	R4	R3 See Sectional Appendix Local Instructions R4 5-car operations only R5 Prohibited except for test purposes R6 Prohibited diesel or electric triple mode
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	N	Y	N	Y	N	Y	Y	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	N	Y	N	Y	N	Y	Y	R1
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	N	Y	N	R1	N	EH	E R2	R1 5-car operations only Diesel operation only
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	N	E	N	E	N	EH	E R1	Diesel operation only
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	N	Y	N	Y	N	Y	Y	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	N	Y	N	R1	N	EH R2	E R2 R3	R1 5-car operations only R2 Prohibited Transfer between Up Chingford and Down Chingford on PTS:2700B Diesel operation only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	N	N	N	R1	N	H	R2	R2 At signal L1237 on the Down Hertford (Signal beyond Rye House Down Starter on HEB) trains must not stop any closer than 20m from the Signal Single unit operations only
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	N	N	N	Y	N	Y	Y	
EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	N	N	N	Y	N	Y	Y	
EA1220	TLA	Stansted East Jn – Stansted Airport	34	26	36	67	N	N	N	Y	N	Y	Y	
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	R1	N	Y	N	N	E R2	E R3	R1 See Sectional Appendix Local Instructions R2 Only leading pantograph to be raised R3 Diesel operation only
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	N	N	N	N	N	N	N	
EA1270	DOC	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	N	N	N	N	N	N	N	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	N	Y	N	Y	E	Y	Y	
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	N	Y	N	Y	E	Y	Y	R5
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	N	Y	N	Y	N	Y	Y	R1
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	N	Y	N	Y	N	Y	Y	R1
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	N	Y	N	Y	N	Y	Y	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	E	Y	N	E R1	E R2	E R3	E R4	R2 5-car or rear pantograph lowered operations only R3 5-car operations only R4 Only leading pantograph to be raised R2 Single unit only in electric mode

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	E	Y	N	E R1	E R2	E R3	E R4	R1 5-car or rear pantograph lowered operations only R2 5-car operations only R3 Only leading pantograph to be raised R1 Single unit only in electric mode
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	N	E	N	E	E R1	E R2	E R3	R1 5-car operations only R2 Only leading pantograph to be raised R1 Single unit only in electric mode
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	N	Y	N	N	N	N	N	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	E	Y	N	EH	N	EH	EH	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	E	N	N	N	N	N	N	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	N	Y	N	EH	N	EH	EH	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	N	Y	N	EH	N	EH	EH	
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connection to GW130)	0	66	0	72	N	Y	N	EH	N	EH	EH	
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	N		N	EH	N	EH	EH	
EA1310	BOK5	Acton Wells Jn (Connection to GW130) – Acton Central (Limit of AC)	0	72	1	73	N	Y	N	N	N	N	N	R2
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	N	Y	N	N	N	N	N	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	N	Y	N	N	N	N	N	R3
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	N	Y	N	N	N	N	N	R4
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	E	Y	N	E	E R1	N	N	R1 5-car operations only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	E R1	Y	N	E	E R2	E R3 R4	E R4 R5	R1 Prohibited Up East London and Down East London lines R2 5-car operations only R3 Only leading pantograph to be raised R4 Prohibited Use of PTS:NL603B (Down) R5 Single unit only in electric mode
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	N	E	N	N	N	E R1	E R2	R1 Only leading pantograph to be raised Single unit only in electric mode
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	E R1	Y		E	E R2	E R3	E R4	R2 Prohibited Up East London and Down East London lines R3 5-car operations only R4 Only leading pantograph to be raised R5 Single unit only in electric mode
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	E	E	E	E	E R1	E R2	E R3	R1 5-car operations only R2 Only leading pantograph to be raised Single unit only in electric mode
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	E R1	Y	E	E	E R2	E R3	E R4	R2 Prohibited Up East London and Down East London lines R3 5-car operations only R4 Only leading pantograph to be raised R5 Single unit only in electric mode
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	E	Y		E	E		E R1	R1 Single unit only in electric mode
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	E	Y		E	E	E R1	E R2	R1 Only leading pantograph to be raised R1 Single unit only in electric mode
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	N	Y		E	E	E R1	E R2	R1 Only leading pantograph to be raised R1 Single unit only in electric mode
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	N	Y		Y	E	Y	Y	R1
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	N	Y						
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	N							

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	N	R1						R6 Prohibited Westburne Road Jn (including Transfer Track) to Canal Jn
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) **(TFL Infrastructure)**	5	21	5	52	N							R1
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	N							R6
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	N							
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary **(TFL Infrastructure)**	4	66	5	51	N							
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	N							
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	N							
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	N							
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	N							
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	N	E		E	E	EH	E R1	Diesel operation only
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	N	Y		Y	E	Y	Y	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	N	E		Y	E	Y	Y	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	N							
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	N							
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	N							
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	N							
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	N							

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	N	E						
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	N	E						
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) (Willesden West London Jn)	6	19	6	76	N			E				
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	N			E				
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	N	Y						R2
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	E R1							R2 OPPOS Up or Down Tottenham through Tottenham North Curve Tunnel No.2 (Carlton Rd Jn - Junction Road Jn)
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	E	Y						R1
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	E	Y						R1
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	N	Y						R1
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	N	Y		Y		Y	Y	R1
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	N	Y						
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	N	Y		Y	Y	EH	E R1	Diesel operation only
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	N	Y				EH	E R1	Diesel operation only
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	N	Y		Y	Y	EH	EH	R2
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	N				R1			Prohibited Fenchurch Street platform 3 with crush deflated suspension
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	N	E			Y			
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	N	E			Y	EH R1	E R1 R2	R1 Prohibited East Ham Depot to East Ham Inlet Line Jn (6m 22ch) Diesel operation only
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	N	Y			Y	EH	E R1	Diesel operation only

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	N	E R1			Y			R2 Prohibited Upney Jn to Upminster
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	N				Y			R1
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	N				R1			R2 Prohibited Southend Central platforms 1, 2 & 4 with crush deflated suspension
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	N	Y			Y	EH R1	E R1 R2	R1 Prohibited Ripple Lane Exchange Sidings to Former Tilbury West Jn R1 Diesel operation only
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	N	Y						R2
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	N				Y			
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	N							
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	N				Y			
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	N							
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	N					H	Y	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	N					H R1	R1	10mph Access/Exit to Hay Sidings PTS:906A
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	N					H	Y	
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	N					H	Y	
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	N							
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	N							
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	N			Y		E	Y R1	Diesel operation only
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	N					H	Y R1	Diesel operation only
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	N					H	Y R1	Diesel operation only
EA1480	WHC1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	N					H	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	700	710	717	720/1 & /5	720/6	745	755	Notes
EA1480	WHC1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	N					H	Y	
EA1480	WHC2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	N					H	Y	
EA1480	WHC3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	N					H	Y	
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	N					H	Y	
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	N					H	Y	
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	N					H	Y	
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	N					H	Y	
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	N							
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	N					H	Y	
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	N					H	Y	
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	N					H	Y	
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	N					H	Y	
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	N					H	Y	
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	N					H	Y	
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	N					EH	E	
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	N					EH	E	
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	N							Line out of use (temporarily)
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	N					H	Y	
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	N					H	Y	

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Table D3 – Route clearance of DBSO / coaching stock

Last Updated: 18/03/2023

To be read in conjunction with General Notes.

Network Rail documentation may refer to either Mark 1-3 stock or C1-3 gauge as detailed below:

C1 = standard passenger coaching stock gauge for Mark 1 and Mark 2 coaches with 9'0" wide bodywork and 64'6" or (57') long underframes.

C3 = standard passenger coaching stock gauge for Mark 3 coaches which are 23 metres (75') long overall.

Mk3 (MOD) = Mk 3 coaches (Modified) and refers to Mk 3 coaches which have been fitted with powered bodyside plug doors.

Mk3 DVT (MOD) = Mk3 DVT (Modified) and refers to Mk3 DVTs that have had centre pivot lateral bump stops modified to ESG-S-MO15, reducing lateral body movement.

Mk4 DVTs can operate over all routes cleared for Mark 4 coaching stock. Any restrictions applied to Mk4 coaching stock also apply to Mk 4 DVTs.

Mk3 coaches used with Class 43 power cars and fitted with external power-operated sliding doors, manufactured by Vapor Stone Rail Systems, and CET are compatible with all routes shown as cleared for Mk3 coaches.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	MK1	MK2	MK3	MK3 (MOD)	MK3 DVT	MK3 DVT (MOD)	MK4	MK5	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	Y	Y	Y	N	N	Y	N		
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	Y	Y	Y	N	N	Y	N		
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	Y	Y	Y	N	N	Y	N		
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	Y	Y	Y	N	N	Y	N		
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	Y	Y	Y	N	N	Y	N		
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	Y	Y	Y	N	N	Y	N		
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	Y	Y	Y	N	N	Y	N		
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	Y	Y	Y	EH	N	Y	N		
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	Y	Y	Y	EH	N	Y	N		
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	Y	Y	Y	N	N	Y	N	R1	
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	Y	Y	Y	N	N	Y	N		
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	Y	Y	Y	N	N	Y	N		
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	Y	Y	R1	N	N	R1	N	R1	R2 Prohibited Harold Wood platform 3 (Up Electric) with deflated suspension

EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	Y	Y	Y	N	N	Y	N		
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	Y	Y	Y	N	N	Y	N		
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	Y	Y	Y	N	N	Y	N		
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	Y	Y	Y	N	N	Y	N		
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	Y	Y	Y	N	N	Y	N		
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	Y	Y	Y	N	N	Y	N		
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	Y	Y	Y	N	N	Y	N		
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	Y	Y	Y	N	N	Y	N		
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	Y	Y	Y	N	N	Y	N		
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	Y	Y	Y	N	N	R1	N	R1	R2 Prohibited from using the last 25 metres at the buffer stop end of Norwich Royal Dock Siding 1
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	Y	Y	Y	N	N	Y	N		
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	Y	Y	Y	N	N	Y	N		
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	Y	Y	N	N	N	N	N		
EA1040	ROU	Romford – Upminster	0	00	3	30	Y	Y	N	N	N	N	N		
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	Y	Y	N	N	N	N	N		
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	Y	Y	N	N	N	N	N		
EA1070	BRA	Witham – Braintree	24	15	17	71	Y	Y	N	N	N	N	N		
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	Y	Y	N	N	N	N	N		
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	Y	Y	N	N	N	N	N		
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	Y	Y	N	N	N	N	N		
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	Y	Y	N	N	N	N	N		
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	Y	Y	N	N	N	N	N		
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	Y	Y	Y	N	N	Y	N		
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	Y	Y	Y	N	N	Y	N		
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	Y	Y	Y	N	N	Y	N		
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	Y	Y	Y	N	N	Y	N		
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	Y	Y	N	N	N	N	N		
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	Y	Y	N	N	N	N	N		

EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	Y	Y	Y	EH	N	Y	N		
EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	Y	Y	Y	N	N	N	N		
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	Y	Y	Y	N	N	N	N		
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	Y	Y	Y	N	N	N	N		
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	Y	Y	Y	N	N	N	N		
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	Y	Y	Y	N	N	N	N		
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	Y	Y	Y	N	N	N	N		
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	Y	Y	Y	N	N	R1	R2	R1	R2 Prohibited Cambridge bay platforms 3 and 6 R3 Permitted for diversionary purposes
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	Y	Y	Y	N	N	Y	R1	R1	R2 Permitted for diversionary purposes
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	Y	Y	Y	N	N	N	N		
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	Y	Y	N	N	N	N	N		
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	Y	Y	N	N	N	N	N		
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	Y	Y	N	N	N	N	N		
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	Y	Y	N	N	N	N	N		
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	Y	Y	N	N	N	N	N		
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	Y	Y	N	N	N	N	N		
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	Y	Y	N	N	N	N	N		
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	Y	Y	N	N	N	N	N		
EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	Y	Y	N	N	N	N	N		
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	Y	Y	N	N	N	N	N		
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	Y	Y	Y	N	N	Y	Y		
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	Y	Y	Y	N	N	N	N		
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	Y	Y	Y	N	N	N	N		
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	Y	Y	Y	N	N	Y	N		
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	Y	Y	Y	N	N	Y	N		

EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	Y	Y	Y	N	N	N	N		
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	Y	Y	Y	N	N	N	N		
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	Y	Y	N	N	N	N	N		
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	Y	Y	Y	EH	N	Y	EH		
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	Y	Y	Y	EH	N	Y	EH		
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	Y	Y	Y	N	N	Y	N		
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	Y	Y	Y	N	N	N	N		
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	Y	Y	Y	EH	N	Y	EH		
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	Y	Y	Y	N	N	N	N		
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	Y	Y	Y	EH	N	Y	N		
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	Y	Y	Y	EH	N	Y	N		
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connecton to GW130)	0	66	0	72	Y	Y	Y	EH	N	Y	N		
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	Y	Y	Y	EH	N	Y	N		
EA1310	BOK5	Acton Wells Jn (Connecton to GW130) – Acton Central (Limit of AC)	0	72	1	73	Y	Y	Y	N	N	N	N		
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	Y	Y	Y	N	N	N	N		
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	Y	Y	N	N	N	N	N		
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	Y	Y	N	N	N	N	N		
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	Y	Y	Y	EH R1	N	Y	N	R1	R2 Prohibited with footsteps fitted
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	Y	Y	Y	EH	N	Y	EH		
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	Y	Y	Y	EH R1	N	Y	EH	R1	R2 Prohibited with footsteps fitted

EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	Y	Y	Y	EH	N	Y	N			
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	Y	Y	Y	N	N	Y	N			
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	Y	Y	Y	EH	N	Y	N			
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	Y	Y	Y	EH	N	Y	N			
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	Y	Y	Y	EH	N	Y	N			
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	Y	Y	Y	EH	N	Y	N			
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	Y	Y	Y	EH	N	Y	N			
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	N	N	N	N	N	N	N			
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	R1 R2 R3	R1 R2 R3	N	N	N	N	N	R1	R2 R3 R4	Can only run as part of the Track Recording Unit Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice 15mph through platforms and not to exceed 20mph on the Infrastructure
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	R1 R2 R3 R4	R1 R2 R3 R4	EH R2 R5 R6 R7	EH R2 R5 R6 R7	EH R2 R5 R6 R7	EH R2 R5 R6 R7	N	R1	N R2 R3 R4 R5 R6 R7 R8	Can only run as part of the Track Recording Unit Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice Train not to enter Dalston Junction platform 2 or 3 15mph through platforms and not to exceed 20mph on the Infrastructure Prohibited North of EL264 (5M9Ch) Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) Must be double headed

EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) **(TFL Infrastructure)**	5	21	5	52	R1 R2 R3	R1 R2 R3	EH R2 R4 R5	EH R2 R4 R5	EH R2 R4 R5	EH R2 R4 R5	N	R1	N	R2 Can only run as part of the Track Recording Unit R3 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R4 15mph through platforms and not to exceed 20mph on the Infrastructure R5 Not to exceed 25mph R6 Must be double headed
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	R1 R2 R3	R1 R2 R3	EH R2 R4 R5	EH R2 R4 R5	EH R2 R4 R5	EH R2 R4 R5	N	R1	N	R2 Can only run as part of the Track Recording Unit R3 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R4 15mph through platforms and not to exceed 20mph on the Infrastructure R5 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131points (DN)) R6 Must be double headed
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	R1 R2 R3 R4	R1 R2 R3 R4	N	N	N	N	N	R1		R2 Can only run as part of the Track Recording Unit R3 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R4 15mph through platforms and not to exceed 20mph on the Infrastructure R5 Not to enter New Cross station platform (details contained in STN)
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary **(TFL Infrastructure)**	4	66	5	51	N	N	N	N	N	N	N			
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	N	N	N	N	N	N	N			
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	Y	Y	Y	N	N	N	N			
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	Y	Y	R1	N	N	N	N	R1	R2	OPPOS applies between Kew East Jn and New Kew Jn
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	Y	Y	Y	N	N	N	N			

EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	Y	Y	Y	N	N	N	N			
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	Y	Y	Y	N	N	Y	N			
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	Y	Y	Y	N	N	Y	N			
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	Y	Y	Y	N	N	N	N			
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	Y	Y	Y	N	N	N	N			
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	Y	Y	Y	N	N	N	N			
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	Y	Y	Y	N	N	Y	N			
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	Y	Y	Y	N	N	R1	N	R1	R2	5mph CAW/11 Acton Lane down (8m 03ch)
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	Y	Y	Y	EH R1	N	Y	N	R1	R2	Prohibited with footsteps fitted
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	Y	Y	Y	N	N	R1 R2	N	R1		
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) Willesden West London Jn)	6	19	6	76	Y	Y	Y	EH R1	N	Y	N	R1	R2	Prohibited with footsteps fitted
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	Y	Y	Y	N	N	Y	N			
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	Y	Y	Y	N	N	N	EH			
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	Y	Y	N	N	N	N	N			
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	Y	Y	R1	N	N	N	EH	R1	R2	Prohibited Upper Holloway Down platform with deflated suspension
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	Y	Y	Y	N	N	N	EH			
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	Y	Y	N	N	N	N	N			
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	Y	Y	N	N	N	N	N			
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	Y	Y	N	N	N	N	N			
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	Y	Y	N	N	N	N	N			
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	Y	Y	N	N	N	N	N			

EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	Y	Y	N	N	N	N	N		
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	Y	Y	N	N	N	N	N		
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	Y	Y	N	N	N	N	N		
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	Y	Y	N	N	N	N	N		
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	Y	Y	N	N	N	N	N		
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	Y	Y	N	N	N	N	N		
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	Y	Y	N	N	N	N	N		
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	Y	Y	N	N	N	N	N		
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	Y	Y	N	N	N	N	N		
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	Y	Y	N	N	N	N	N		
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	Y	Y	N	N	N	N	N		
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	Y	Y	N	N	N	N	N		
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	Y	Y	N	N	N	N	N		
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	Y	Y	N	N	N	N	N		
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	Y	Y	Y	N	N	N	N		
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	Y	Y	N	N	N	N	N		
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	Y	Y	Y	N	N	N	N		
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	Y	Y	Y	N	N	N	N		
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	Y	Y	N	N	N	N	N		
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	Y	Y	N	N	N	N	N		
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	Y	Y	Y	N	N	Y	N		
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	Y	Y	Y	N	N	R1	N	R1	
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	Y	Y	R1	N	N	R1	N	R1	R2 15mph Oulton Broad North up platform
EA1480	WHC1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	Y	Y	N	N	N	N	N		
EA1480	WHC1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	Y	Y	N	N	N	N	N		
EA1480	WHC2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	Y	Y	N	N	N	N	N		

EA1480	WHC3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	Y	Y	N	N	N	N	N		
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	Y	Y	N	N	N	N	N		
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	Y	Y	Y	N	N	Y	N		
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	Y	Y	Y	N	N	Y	N		
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	Y	Y	Y	N	N	Y	N		
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	Y	Y	N	N	N	N	N		
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	Y	Y	Y	N	N	Y	N		
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	Y	Y	Y	N	N	Y	N		
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	Y	Y	Y	N	N	Y	N		
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	Y	Y	Y	N	N	N	N		
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	Y	Y	Y	N	N	Y	R1	R1	R2 Permitted for diversionary purposes
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	Y	Y	Y	N	N	Y	R1 R2	R1	R2 Permitted for diversionary purposes R3 50mph over Harts Bridge No 1833 (Centre Girder Underbridge) Down Main (94m 75ch)
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	Y	Y	Y	N	N	N	N		
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	Y	Y	Y	N	N	N	N		
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	N	N	N	N	N	N	N		Line out of use (temporarily)
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	Y	Y	Y	N	N	Y	N		
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	Y	Y	Y	N	N	N	N		

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Table D4A – Route clearance of locomotives

Last Updated: 03/06/2023

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	08	09	20	31/1 31/6	31/4	33	37/0 37/3 37/4 37/6	37/5	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	8	R1	R1	R1	R1	R1	R1	R1	R1	R1 Liverpool Street platforms 8 -10 diesel traction see Sectional Appendix Local Instructions
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	8	R1	R1	R1	R1	R1	R1	R1	R1	R1 Liverpool Street platforms 11-18 diesel traction see Sectional Appendix Local Instructions
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	8	Y	Y	Y	Y	Y	Y	Y	Y	

EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1040	ROU	Romford – Upminster	0	00	3	30	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1070	BRA	Witham – Braintree	24	15	17	71	6	Y	Y	Y	Y	Y	Y	Y	Y	
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	6	Y	Y	Y	Y	Y	Y	Y	Y	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	8	Y	Y	Y	Y	Y	Y	R1	R1	R1 Prohibited if fitted with roof horns
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	

EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	4	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 10mph maximum speed except for movements permitted by R2 R2 Single light engines and/or single headed locomotives hauled passenger and infrastructure measurement trains are permitted to run at line speed subject to the following restrictions: **Fast lines** 20mph over Bridge 1361 (02m 38ch) **Suburban lines** 20mph over Bridge 1337 (01m 20ch) NC/G1/2010/CP-RA/EA001V until 31 March 2024
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	4	R1	R1	R1	R1	R1	R1	R1	R1	R1 10mph maximum speed
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1170	ENT	Bury Street Jn – Enfield Town (NOT ON D5)	9	20	10	55	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	9	Y	Y	Y	Y	Y	Y	Y	Y	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	8	Y	Y	Y	Y	Y	Y	Y	Y	

EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	8	R1	R1	R1	R1	R1	R1	R1	R1	R1 Stansted Airport platforms 1 and 3 diesel traction see Sectional Appendix Local Instructions
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	9	Y	Y	Y	Y	Y	Y	Y	Y	
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connecton to GW130)	0	66	0	72	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	8	Y	Y	Y	Y	Y	Y	Y	Y	

EA1310	BOK5	Acton Wells Jn (Connecton to GW130) – Acton Central (Limit of AC)	0	72	1	73	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	4	R1	R1	R1	R1	R1	R1	R1	R1	R1 10mph over River Thames Bridge No. 29 (10m 48ch between Gunnersbury and Kew Gardens)
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	8	N	N	N	N	N	N	N	N	
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	8	N	N	N	N	N	N	N	N	
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	8	N	N	N	E R1 R2 R3	E R1 R2 R3	N	E R1 R2 R3 R4	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Prohibited North of EL264 (5M9Ch) R3 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) CLASS 37/0 ONLY

EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) **(TFL Infrastructure)**	5	21	5	52	8	N	N	N	E R1 R2	E R1 R2	N	E R1 R2 R3	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph CLASS 37/0 ONLY
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	8	N	N	N	E R1 R2	E R1 R2	N	E R1 R2 R3	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131points (DN) CLASS 37/0 ONLY
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	8	N	N	N	N	N	N	N	N	
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary **(TFL Infrastructure)**	4	66	5	51	8	N	N	N	N	N	N	N	N	
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	8	N	N	N	N	N	N	N	N	
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	8	Y	Y	Y	Y	Y	Y	Y	Y	

EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) Willesden West London Jn)	6	19	6	76	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	3	R1 R2	N	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 OPPOS and 10mph over bridge No. 590 between 1m 79ch and 2m 00ch R2 OPPOS and 10mph over Bridge Nos. 506 – 508 on Fast Lines between 0m 43ch and 0m 56ch
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 25mph over bridge 25 (3m 09ch) (Up and Down Lines) R2 25mph over bridge 39 (4m 01ch) (Down Line only) R3 25mph over bridge 40 (4m 02ch) (Down Line only)
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	3	Y	Y	Y	Y	Y	Y	Y	Y	
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	8	Y	Y	Y	Y	Y	Y	Y	Y	

EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	3	Y	N	Y	Y	Y	Y	R1	Y	R1 Classes 37/3, 37/4. 37/6 prohibited
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	7	R1	R1	R1	R1	R1	R1	R1	R1	R1 20mph over Bridge 429 River Deben (81m 73ch – 81m 76ch) NC/G1/2016/ANG/005 until 31 March 2024
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1480	WHC 1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	6	Y	Y	Y	Y	Y	Y	Y	Y	
EA1480	WHC 1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	6	Y	Y	Y	Y	Y	Y	Y	Y	
EA1480	WHC 2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	6	Y	Y	Y	Y	Y	Y	Y	Y	
EA1480	WHC 3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	6	Y	Y	Y	Y	Y	Y	Y	Y	
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	6	Y	Y	Y	Y	Y	Y	Y	Y	
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	7	Y	Y	Y	Y	Y	Y	Y	Y	

EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	7	Y	Y	Y	Y	Y	Y	Y	Y	
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	6	N	N	N	N	N	N	N	N	Line out of use (temporarily)
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	10	Y	Y	Y	Y	Y	Y	Y	Y	

Table D4B – Route clearance of locomotives

Last Updated: 03/06/2023

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	37/7 37/9	43	47/2	47/4	47/7	56	57	58	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	8	R1	N	R1	R1	R1	R1	R1	R1	R1 Liverpool Street platforms 8-10 diesel traction see Sectional Appendix Local Instructions
EA1010	LVS	Liverpool Street platforms 11-18 – Liverpool St (L) IECC	0	00	0	22	8	R1	N	R1	R1	R1	R1	R1	R1	R1 Liverpool Street platforms 10-18 diesel traction see Sectional Appendix Local Instructions
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	8	Y	N	Y	Y	Y	Y	Y	Y	

EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	8	N	N	Y	N	Y	N	Y	Y	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1040	ROU	Romford – Upminster	0	00	3	30	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1070	BRA	Witham – Braintree	24	15	17	71	6	N	N	Y	N	Y	N	Y	N	
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	6	N	N	Y	N	Y	N	Y	N	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	8	R1	N	Y	Y	Y	Y	Y	Y	R1 Prohibited if fitted with roof horns
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	8	Y	N	Y	Y	Y	Y	Y	Y	

EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	4	R1 R2	N	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 10mph maximum speed except for movements permitted by R2 R2 Single light engines and/or single headed locomotives hauled passenger and infrastructure measurement trains are permitted to run at line speed subject to the following restrictions: **Fast lines** 20mph over Bridge 1361 (2m 38ch) **Suburban lines** 20mph over Bridge 1337 (01m 20ch) NC/G1/2010/CP-RA/EA001V until 31 March 2024
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	4	R1	N	R1	R1	R1	R1	R1	R1	R1 10mph maximum speed
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1170	ENT	Bury Street Jn – Enfield Town (NOT ON D5)	9	20	10	55	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	7	Y	N	Y	Y	Y	Y	Y	Y	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	9	Y	N	Y	Y	Y	Y	Y	Y	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	8	Y	N	Y	Y	Y	Y	Y	Y	

EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	8	R1	N	R1	R1	R1	R1	R1	R1	R1 Stansted Airport platforms 1 and 3 diesel traction see Sectional Appendix Local Instructions
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	9	Y	Y	Y	Y	Y	Y	Y	Y	
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connecton to GW130)	0	66	0	72	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK4	Willesden High Level Jn – Acton Wells Jn	0	00	0	72	8	Y	N	Y	N	Y	Y	Y	Y	

EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	8	Y	Y	Y	Y	Y	N	Y	Y	
EA1310	BOK5	Acton Wells Jn (Connecton to GW130) – Acton Central (Limit of AC)	0	72	1	73	8	Y	N	Y	Y	Y	N	Y	Y	
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	8	Y	Y	Y	Y	Y	N	Y	Y	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	8	Y	N	Y	Y	Y	N	Y	Y	
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	4	R1	N	R1	R1	R1	N	R1	R1	R1 10mph over River Thames Bridge No. 29 (10m 48ch between Gunnersbury and Kew Gardens)
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	8	N	N	N	N	N	Y	N	N	
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	8	N	N	N	N	N	N	N	N	

EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn (TFL Infrastructure)	2	17	5	21	8	E R1 R2 R3 R4	E R1 R2 R3	N	N	E R1 R2 R3 R4	E R1 R2 R3 R5	E R1 R2 R3	E R1 R2 R3	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Prohibited North of EL264 (5M9Ch) R3 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) R4 Class 37/9 only R5 - SINGLE LOCOS PROHIBITED
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) (TFL Infrastructure)	5	21	5	52	8	E R1 R2 R3	E R1 R2 R3	N	N	E R1 R2	E R1 R2 R4	E R1 R2	E R1 R2	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph R3 Class 37/9 only SINGLE LOCOS PROHIBITED
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) (TFL Infrastructure)	5	21	5	73	8	E R1 R2 R3	E R1 R2 R3	N	N	E R1 R2	E R1 R2 R4	E R1 R2	E R1 R2	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131points (DN) R3 Class 37/9 only SINGLE LOCOS PROHIBITED
EA1325	ELL2	Canal Jn – Lewisham (TFL Infrastructure)	5	21	5	78	8	N	N	N	N	N	N	N	N	
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary (TFL Infrastructure)	4	66	5	51	8	N	N	N	N	N	N	N	N	
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	8	N	N	N	N	N	N	N	N	
EA1330	BOK5	South Acton Jn – Kew East Jn	2	52	3	27	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	8	Y	N	Y	Y	Y	Y	Y	Y	

EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD165) (North Pole Jn / Willesden West London Jn)	6	09	6	76	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	8	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	8	Y	N	Y	Y	Y	Y	Y	Y	

EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	3	N	N	R1 R2	R1 R2	R1 R2	N	R3 R4	R1 R2	R1 OPPOS and 10mph over bridge No. 590 between 1m 79ch and 2m 00ch R2 OPPOS and 10mph over Bridge Nos. 506 – 508 on Fast Lines between 0m 43ch and 0m 56ch R3 Prohibited between Fenchurch Street and London End of Gas Factory Loop (2m 25ch). R4 Prohibited unless formed as part of the Rail Head Treatment Train
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	3	R1 R2 R3	N	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 25mph over bridge 25 (3m 09ch) (Up and Down Lines) R2 25mph over bridge 39 (4m 01ch) (Down Line only) R3 25mph over bridge 40 (4m 02ch) (Down Line only)
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	3	Y	N	Y	Y	Y	Y	Y	Y	
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	3	N	N	N	N	N	N	R1	Y	R1 Prohibited unless formed as part of the Rail Head Treatment Train
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	7	R1	N	R1	R1	R1	R1	R1	R1	R1 20mph over Bridge 429 River Deben (81m 73ch – 81m 76ch) NC/G1/2016/ANG/005 until 31 March 2024
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	7	Y	N	Y	Y	Y	Y	Y	Y	

EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1480	WHC 1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	6	Y	N	Y	R1	Y	N	Y	Y	R1	Route prohibited to Class 47/4 locomotives that conform to RA7
EA1480	WHC 1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	6	N	N	Y	R1	Y	N	Y	N	R1	Route prohibited to Class 47/4 locomotives that conform to RA7
EA1480	WHC 2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	6	N	N	Y	R1	Y	N	Y	N	R1	Route prohibited to Class 47/4 locomotives that conform to RA7
EA1480	WHC 3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	6	N	N	Y	R1	Y	N	Y	N	R1	Route prohibited to Class 47/4 locomotives that conform to RA7
EA1490	CRS	Cromer Jn (Cromer 46m 42ch) – Sheringham 46m 42ch	46	27	42	69	6	N	N	Y	N	Y	N	Y	N		
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	7	Y	N	Y	Y	Y	Y	Y	Y		
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	8	Y	N	Y	Y	Y	Y	Y	Y		
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	8	Y	N	Y	Y	Y	Y	Y	Y		
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	8	Y	N	Y	Y	Y	Y	Y	Y		
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	8	Y	N	Y	Y	Y	Y	Y	Y		
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	8	Y	Y	Y	Y	Y	Y	Y	Y		
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	8	Y	Y	Y	Y	Y	Y	Y	Y		
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	8	N	N	Y	Y	Y	Y	Y	N		

EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	8	N	N	Y	Y	Y	Y	Y	N	
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	6	N	N	N	N	N	N	N	N	Line out of use (temporarily)
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	8	Y	N	Y	Y	Y	Y	Y	Y	
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	10	Y	N	Y	Y	Y	Y	Y	N	

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Table D4C – Route clearance of locomotives

Last Updated: 03/06/2023

To be read in conjunction with General Notes.

Class 67 – Additional speed restrictions are detailed on the current Vehicle/Infrastructure Summary of Compatibility documentation

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	59	60	66	67	68	70	73	97/3	MPV	Notes	
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	Liverpool Street platforms 8-10 diesel traction see Sectional Appendix Local Instructions
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	Liverpool Street platforms 10-18 diesel traction see Sectional Appendix Local Instructions
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		

EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	8	N	N	Y	R1	Y	Y	Y	Y	Y	R1	Only permitted when hauling the Track Recording Train
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1040	ROU	Romford – Upminster	0	00	3	30	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	7	Y	N	Y	R1 R2 R3	Y	Y	Y	Y	Y	R1 R2 R3	Only permitted when hauling the Track Recording Train 20mph over bridge SSV/781 (36m 3ch), near Hockley 20mph over bridge SSV/787 (38m 46ch), near Rochford
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	7	Y	N	Y	R1	Y	Y	Y	Y	Y	R1	Only permitted when hauling the Track Recording Train
EA1070	BRA	Witham – Braintree	24	15	17	71	6	N	N	Y	N	N	N	Y	Y	Y		
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	6	N	N	Y	N	N	N	Y	Y	Y		
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	8	N	Y	Y	Y	Y	Y	Y	Y	N		
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		

EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	4	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 R2	R1 10mph maximum speed except for movements permitted by R2 R2 Single light engines and/or single headed locomotives hauled passenger and infrastructure measurement trains are permitted to run at line speed subject to the following restrictions: **Fast lines** 20mph over Bridge 1361 (2m 38ch) **Suburban lines** 20mph over Bridge 1337 (01m 20ch) NC/G1/2010/CP-RA/EA001V until 31 March 2024
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	4	R1	R1	R1	R1	N	R1	R1	R1	R1	R1 10mph maximum speed
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	8	Y	Y	Y	Y	R1	Y	Y	Y	Y	R1 Prohibited Cambridge Bay platform 3
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	7	Y	N	Y	N	Y	Y	Y	Y	Y	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	9	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	7	Y	N	Y	N	Y	Y	Y	Y	Y	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	9	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	8	R1	R1	R1	R1	R1	R1	R1	R1	R1	R1 Stansted Airport platforms 1 and 3 diesel traction see Sectional Appendix Local Instructions
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	9	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connection to GW130)	0	66	0	72	8	N	Y	Y	Y	Y	Y	Y	Y	Y	

EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK5	Acton Wells Jn (Connection to GW130) – Acton Central (Limit of AC)	0	72	1	73	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	8	N	Y	Y	Y	Y	Y	Y	Y	Y	
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	4	N	R1	R1	N	N	N	R1	R1	R2	R1 10mph over River Thames Bridge (No 29) (10m 48ch between Gunnersbury and Kew Gardens) R2 10mph in laden condition over River Thames Bridge (No 29) at 10m 48ch (between Gunnersbury and Kew Gardens)
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	8	N	N	N	N	Y	Y	Y	N	N	

EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	8	N	N	N	N	N	N	R1 R2 R3 R4	N	N	R1 Can only run as part of the Track Recording Unit R2 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R3 15mph through platforms and not to exceed 20mph on the Infrastructure R4 Prohibited in diesel mode
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn (TFL Infrastructure)	2	17	5	21	8	E R2 R5 R6	N	E R2 R7 R8	N	N	E R2 R5 R6	R1 R2 R3 R4	N	N	R1 Can only run as part of the Track Recording Unit R2 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R3 Train not to enter Dalston Junction platform 2 or 3 R4 15mph through platforms and not to exceed 20mph on the Infrastructure. Prohibited in diesel mode R5 Prohibited North of EL264 (5M9Ch) R6 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) R7 Not to exceed 5mph R8 Prohibited north of Surrey Quays Portal (4M 38Ch)
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) (TFL Infrastructure)	5	21	5	52	8	E R2 R5	N	E R2 R6	N	N	E R2 R5	R1 R2 R3 R4	N	N	R1 Can only run as part of the Track Recording Unit R2 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R3 15mph through platforms and not to exceed 20mph on the Infrastructure R4 Prohibited in diesel mode R5 Not to exceed 25mph R6 Not to exceed 5mph

EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) (TFL Infrastructure)	5	21	5	73	8	E R2 R5	N	E R2 R6	N	N	E R2 R5	R1 R2 R3 R4	N	N	R1 Can only run as part of the Track Recording Unit R2 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R3 15mph through platforms and not to exceed 20mph on the Infrastructure R4 Prohibited in diesel mode R5 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131points (DN) R6 Not to exceed 5mph
EA1325	ELL2	Canal Jn – Lewisham (TFL Infrastructure)	5	21	5	78	8	N	N	R2 R6	N	N	N	R1 R2 R3 R4 R5	N	N	R1 Can only run as part of the Track Recording Unit R2 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R3 15mph through platforms and not to exceed 20mph on the Infrastructure R4 Not to enter New Cross station platform (details contained in STN) R5 Prohibited in diesel mode R6 Not to exceed 5mph
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary (TFL Infrastructure)	4	66	5	51	8	N	N	R1 R2	N	N	N	N	N	N	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice Not to exceed 5mph
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	8	N	N	Y	N	N	N	N	N	N	
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) Willesden West London Jn)	6	19	6	76	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	8	Y	Y	Y	Y	Y	Y	Y	Y	Y	

EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	3	N	R1 R2	R1 R2	N	N	N	N	R1 R2	N	R1 R2	OPPOS and 10mph over bridge No. 590 between 1m 79ch and 2m 00ch OPPOS and 10mph over Bridge Nos. 506 – 508 on Fast Lines between 0m 43ch and 0m 56ch
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	R1 R2 R3	25mph over bridge 25 (3m 09ch) (Up and Down Lines) 25mph over bridge 39 (4m 01ch) (Down Line only) 25mph over bridge 40 (4m 02ch) (Down Line only)
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	3	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	3	N	Y	Y	N	N	N	N	Y	N		
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	7	R1	R1	R1	N	Y	R2	R1	R1	R1	R1	20mph over Bridge 429 River Deben (81m 73ch – 81m 76ch) NC/G1/2016/ANG/005 until 31 March 2024 Prohibited Down and Up lines between Westerfield Jn and Woodbridge Single Line Jn
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	7	Y	Y	Y	N	Y	Y	Y	Y	Y		
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	7	Y	Y	Y	N	Y	Y	Y	Y	Y		
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	7	Y	Y	Y	N	Y	Y	Y	Y	Y		
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	7	Y	N	Y	R1	Y	Y	Y	Y	Y	R1	Only permitted when hauling the Track Recording Train
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	7	Y	N	Y	R1	Y	Y	Y	Y	Y	R1	Only permitted when hauling the Track Recording Train

EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	7	Y	N	Y	R1	Y	Y	Y	Y	Y	R1	Only permitted when hauling the Track Recording Train
EA1480	WHC 1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	6	N	N	Y	N	N	N	Y	Y	Y		
EA1480	WHC 1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	6	N	N	Y	N	N	N	Y	Y	Y		
EA1480	WHC 2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	6	N	N	Y	N	N	N	Y	Y	Y		
EA1480	WHC 3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	6	N	N	Y	N	N	N	Y	Y	Y		
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	6	N	N	Y	N	N	N	Y	Y	Y		
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	7	Y	N	Y	N	Y	Y	Y	Y	Y		
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	8	Y	Y	Y	N	Y	Y	Y	Y	Y		
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	8	Y	Y	Y	N	Y	Y	Y	Y	Y		
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	8	Y	Y	Y	N	Y	Y	Y	Y	Y		
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	8	N	Y	Y	Y	Y	Y	Y	Y	Y		
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	8	N	Y	Y	Y	Y	Y	Y	Y	Y		
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	6	N	N	N	N	N	N	N	N	Y	Line out of use (temporarily)	
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	8	Y	Y	Y	Y	Y	Y	Y	Y	Y		
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	10	Y	Y	Y	Y	Y	Y	Y	Y	N		

Table D4D – Route clearance of locomotives

Last Updated: 03/06/2023

To be read in conjunction with General Notes.

Class 92 locomotives may additionally be dead hauled on any route that conforms to W6a and RA7 provided that the 'Battery Isolation Switch' is set to the 'Isolate' position

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	86	87	88	90	91	92	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	8	Y	Y	Y	Y	N	N	
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	8	Y	Y	Y	Y	N	N	
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	8	Y	Y	Y	Y	N	N	
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	8	Y	Y	Y	Y	N	N	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	8	Y	Y	Y	Y	N	N	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	8	Y	Y	Y	Y	N	N	
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	8	Y	Y	Y	Y	N	N	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	70	3	75	8	Y	Y	Y	Y	N	Y	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	8	Y	Y	Y	Y	N	Y	
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	8	Y	Y	R1	Y	N	Y	R1 Prohibited Ilford Down Bay platform 5
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	8	Y	Y	Y	Y	N	Y	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	8	Y	Y	Y	Y	N	Y	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	8	Y	Y	Y	Y	N	Y	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	8	Y	Y	Y	Y	N	N	

EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	8	Y	Y	Y	Y	N	N	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470 / ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	8	Y	Y	Y	Y	N	N	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	8	Y	Y	Y	Y	N	N	
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	8	Y	Y	Y	Y	N	N	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	8	Y	Y	Y	Y	N	Y	
EA1040	ROU	Romford – Upminster	0	00	3	30	8	Y	Y	Y	Y	N	N	
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	7	Y	Y	Y	Y	N	N	
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	7	Y	Y	Y	Y	N	N	
EA1070	BRA	Witham – Braintree	24	15	17	71	6	Y	N	N	N	N	N	
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	6	N	N	N	N	N	N	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	7	Y	Y	Y	Y	N	N	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	7	Y	Y	Y	Y	N	N	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	7	Y	Y	Y	Y	N	N	
EA1100	STB	Colne Jn – Colchester Town	53	30	53	76	7	Y	Y	Y	Y	N	N	
EA1110	TWN	Thorpe-Le-Soken Jn – Walton-On-Naze	65	19	70	15	7	Y	Y	Y	Y	N	N	
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	8	Y	Y	Y	Y	N	Y	
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	8	Y	Y	Y	Y	N	N	
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	8	Y	Y	Y	Y	N	Y	
EA1120	MAH	Harwich International Port – Harwich town	68	72	70	61	8	Y	Y	Y	Y	N	Y	
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	8	H	H	Y	H	N	N	
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	8	Y	Y	Y	Y	N	Y	

EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	4	R1 R2	R1 R2	N	R1 R2	N	N	R1 10mph maximum speed except for movements permitted by R2 R2 Single light engines and/or single headed locomotives hauled passenger and infrastructure measurement trains are permitted to run at line speed subject to the following restrictions: **Fast lines** 20mph over Bridge 1361 (2m 38ch) **Suburban lines** 20mph over Bridge 1337 (01m 20ch) NC/G1/2010/CP-RA/EA001V until 31 March 2024
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	4	R1	R1	N	R1	N	N	R1 10mph maximum speed
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	8	Y	Y	Y	Y	N	N	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	8	Y	Y	Y	Y	N	N	
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	8	Y	Y	Y	Y	N	N	
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	8	R1	R1	Y	R1	N	N	R1 See Sectional Appendix Local Instructions
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	8	R1	R1	R2	R1	H	N	R1 See Sectional Appendix Local Instructions R2 Prohibited Cambridge Bay platform 3
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	8	R1	R1	Y	R1	H	N	R1 See Sectional Appendix Local Instructions
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	8	R1	R1	Y	R1	N	N	R1 See Sectional Appendix Local Instructions
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	8	Y	Y	Y	Y	N	N	
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	8	Y	Y	Y	Y	N	N	
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	8	Y	Y	Y	Y	N	N	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	8	Y	Y	Y	Y	N	N	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	8	Y	Y	Y	Y	N	N	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	7	Y	Y	Y	Y	N	N	
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	9	Y	Y	Y	Y	N	N	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	8	Y	Y	Y	Y	N	N	

EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	8	Y	Y	Y	Y	N	N	
EA1220	TLA	Stansted East Jn –Stansted Airport	34	26	36	67	8	Y	Y	Y	Y	N	N	
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	9	Y	Y	Y	Y	H	N	
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	8	Y	Y	Y	Y	N	N	
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	8	Y	Y	Y	Y	N	N	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn. (Via Platforms 11 & 12 at Stratford)	3	76	4	45	8	Y	Y	Y	Y	N	Y	
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	8	Y	Y	Y	Y	N	N	
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	8	Y	Y	Y	Y	N	N	
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	8	Y	Y	Y	Y	N	N	
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	8	Y	Y	Y	Y	N	N	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	8	Y	Y	Y	Y	H	Y	
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	8	Y	Y	Y	Y	H	Y	
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	8	N	N	Y	Y	H	Y	
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	8	N	N	Y	N	N	N	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	8	Y	Y	Y	Y	N	Y	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	8	Y	Y	Y	Y	N	Y	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	8	Y	Y	Y	Y	N	N	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	8	Y	Y	Y	Y	N	N	
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connecton to GW130)	0	66	0	72	8	Y	Y	Y	Y	N	N	
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	8	N	N	Y	N	N	N	

EA1310	BOK5	Acton Wells Jn (Connecton to GW130) – Acton Central (Limit of AC)	0	72	1	73	8	Y	Y	Y	Y	N	N	
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	8	N	N	Y	N	N	N	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	8	N	N	Y	N	N	N	
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	4	N	N	N	N	N	N	
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	8	Y	Y	Y	Y	H	Y	
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	8	Y	Y	Y	Y	H	Y	
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	8	N	N	Y	N	H	Y	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	8	Y	Y	Y	Y	H	Y	
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	8	Y	Y	Y	Y	H	Y	
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	8	Y	Y	Y	Y	N	Y	
EA1320	DWW1	Dalston Western Jn - Navarino Road Jn (Change of Mileage)	2	21	1	52	8	Y	Y	Y	Y	N	R1	R1 5mph through Dalston Kingsland down platform
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	8	Y	Y	Y	Y	N	Y	
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	8	Y	Y	Y	Y	N	Y	
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	8	Y	Y	Y	Y	N	Y	
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	8	N	N	Y	N	N	N	
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	8	N	N	Y	N	N	N	

EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn **(TFL Infrastructure)**	2	17	5	21	8	EH R1 R2 R3	EH R1 R2 R3	N	EH R1 R2 R3	EH R1 R2 R3	E R1 R2 R3 R4	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Prohibited North of EL264 (5M9Ch) R3 Not to exceed 25mph, 10mph on sections EL266-EL264 (UP) and EL264-Canal Jn (DN) Vehicle must be hauled if overall length of train is less than 80m due to risk of gapping
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) **(TFL Infrastructure)**	5	21	5	52	8	EH R1 R2	EH R1 R2	N	EH R1 R2	EH R1 R2	E R1 R2 R3	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph Vehicle must be hauled if overall length of train is less than 80m due to risk of gapping
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) **(TFL Infrastructure)**	5	21	5	73	8	EH R1 R2	EH R1 R2	N	EH R1 R2	EH R1 R2	E R1 R2 R3	R1 Can only run when authorised by Rail for London and only run or operate under Special Traffic Notice subject to any operational restrictions published within the notice R2 Not to exceed 25mph, 5mph through station platform and 10mph on section Canal Jn-131points (DN)) Vehicle must be hauled if overall length of train is less than 80m due to risk of gapping
EA1325	ELL2	Canal Jn – Lewisham **(TFL Infrastructure)**	5	21	5	78	8	N	N	Y	N	N	N	
EA1327	ELL3	Silwood Jn – ELL/Network Rail Boundary (TFL Infrastructure)	4	66	5	51	8	N	N	Y	N	N	N	
EA1327	ELL4	ELL/Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	8	N	N	Y	N	N	N	
EA1330	BOK 5	South Acton Jn – Kew East Jn	2	52	3	27	8	N	N	Y	N	N	N	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	8	N	N	Y	N	N	N	
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	8	N	N	Y	N	N	N	
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	8	Y	Y	Y	Y	N	Y	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	8	Y	Y	Y	Y	N	N	

EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	8	Y	Y	Y	Y	N	Y	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	8	N	N	Y	N	N	N	
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	8	N	N	Y	N	N	N	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	8	N	N	Y	N	N	N	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	8	N	N	Y	N	N	N	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	8	N	N	Y	N	N	N	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	8	N	N	Y	N	N	N	
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	8	N	N	Y	N	N	N	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD167) Willesden West London Jn)	6	19	6	76	8	N	N	Y	N	N	N	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	8	N	N	Y	N	N	N	
EA1370	GOJ	Gospel Oak Jn – Junction Rd Jn	0	00	0	58	8	N	N	Y	N	H	N	
EA1370	JRT2	Junction Rd Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	8	N	N	Y	N	N	N	
EA1370	TAH1	Junction Rd Jn – Harringay Park Jn	2	42	4	15	8	N	N	Y	N	H	N	
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	8	N	N	Y	N	H	N	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	8	N	N	Y	N	N	N	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	8	N	N	Y	N	N	N	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	8	N	N	Y	N	N	N	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	8	Y	Y	Y	Y	N	Y	
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	8	Y	Y	Y	Y	N	Y	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	8	N	N	Y	N	N	N	
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	3	N	N	N	N	N	N	

EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	3	R1 R2 R3	R1 R2 R3	N	R1 R2 R3	N	R1 R2 R3	R1 R2 R3	25mph over bridge 25 (3m 09ch) (Up and Down Lines) 25mph over bridge 39 (4m 01ch) (Down Line only) 25mph over bridge 40 (4m 02ch) (Down Line only)
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	3	Y	Y	N	Y	N	Y		
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	8	Y	Y	Y	Y	N	Y		
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	8	Y	Y	Y	Y	N	N		
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	8	Y	Y	Y	Y	N	N		
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	8	Y	Y	Y	Y	N	N		
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	8	Y	Y	Y	Y	N	Y		
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	8	Y	Y	Y	Y	N	N		
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	3	N	N	N	N	N	N		
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	8	Y	Y	Y	Y	N	N		
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	8	Y	Y	Y	Y	N	N		
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	8	N	N	Y	N	N	N		
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	8	R1	N	Y	N	R1	R1	R1	Prohibited between Signal CO401 on the Down line and Westerfield Jn
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	7	N	N	Y	N	N	N		
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	7	N	N	Y	N	N	N		
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	7	N	N	Y	N	N	N		
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	7	N	N	Y	N	N	N		
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	7	N	N	Y	N	N	N		
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	7	H R1	N	Y	H	N	N	R1	The Battery Isolating Switch must be left in the open position
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	7	H R1	N	Y	H	N	N	R1	The Battery Isolating Switch must be left in the open position
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	7	N	N	Y	H	N	N		

EA1480	WHC 1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	6	N	N	N	N	N	N		
EA1480	WHC 1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	6	N	N	N	N	N	N		
EA1480	WHC 2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	6	N	N	N	N	N	N		
EA1480	WHC 3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	6	N	N	N	N	N	N		
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	6	N	N	N	N	N	N		
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	7	H R1	N	Y	H	N	N	R1	The Battery Isolating Switch must be left in the open position
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	7	H R1	N	Y	H	N	N	R1	The Battery Isolating Switch must be left in the open position
EA1510	RBY	Reedham Jn – Breydon Access No24 LC	12	34	19	13	7	H R1	N	Y	H	N	N	R1	The Battery Isolating Switch must be left in the open position
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	7	N	N	Y	N	N	N		
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	8	N	N	Y	H	N	N		
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	8	N	N	Y	H	N	N		
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	8	N	N	Y	H	N	N		
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	8	N	N	Y	N	N	N		
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	8	N	N	Y	H	H	N		
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	8	N	N	Y	H	H R1	N	R1	50mph maximum speed Harts Bridge No 1833 (Centre Girder Underbridge) Down Main at 94m 75 ch
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	6	N	N	N	N	N	N	Line out of use (temporarily)	
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	8	N	N	Y	N	N	N		
EA1570	WIG	Whitemoor Jn – Wisbech (Line out of use)	86	18	93	60	6	N	N	Y	N	N	N		
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	8	H R1	N	Y	H	N	N	R1	20mph over Bridge 1603 (93m 63ch) on the Up line
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	10	N	N	Y	N	N	N		

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Table D5A– Route Clearance of Freight Containers / Swap Bodies

Last Updated: 30/04/2022

To be read in conjunction with General Notes.

The notations (used in these tables) are explained as follows for freight vehicles or loads conforming to the Group Standards:

Y Permitted to operate over the route without restriction.

R Permitted to operate over part or all of the route but restrictions apply. See “Notes” column for details.

S Permitted for, or prohibited to, specific traffic. See “Notes” column for details.

* Route does not conform to Group Standard W6A Lower Gauge as defined in GE/RT8073. Certain W6A vehicles are prohibited from all or part of the route; these restrictions are detailed on the Summary of Compatibility for the vehicles concerned.

N Prohibited from operating over the route

Conditions of Operation

When operating within a possession the notations detailed within the table may not apply subject to a risk assessment and the application of appropriate control measures (in accordance with company and Group Standards).

Freight traffic, other than containers/swap bodies, which exceed W6A gauge shall only operate in accordance with GORT3056-K

Vehicles conveying containers/swap bodies are also subject to the procedure detailed in GO/RM3056, Section J Intermodal Traffic.

Temporary authority for a specific wagon and container/swapbody combination may be granted by the Infrastructure Manager’s Gauging Engineer. This authority shall be detailed and issued on an RT3973/CON form.

Note

GO/RM3056 Section J Intermodal Traffic contains details of the wagon type (by TOPS code) and container/swapbody (by height, width and/or size code) combinations that conform to the gauges shown as column headings in this table.

Line of Route	Line of Route / Sector Description	Gauge									Notes	
		GB1/2	W6A	W7	W8	W9	W9Plus	W10	W10A	W12		
EA1010	Liverpool Street – Mile End	N	Y *	N	N	N	N	N	N	N		
EA1010	Mile End – Stratford Central Jn East	N	Y *	Y	Y	R1	N	N	N	N	R1	W9 between Bow Depot Jn and Carpenters Road South Jn only
EA1010	Stratford Central Jn East – Forest Gate Jn	N	Y *	Y	Y	Y	N	R1	N	N	R1	W10 Prohibited on Up and Down Electric between Maryland East Crossovers and Stratford Central Jn West.
EA1010	Forest Gate Jn – Seven Kings	N	Y *	Y	Y	Y	N	Y	N	N		
EA1011	Seven Kings – Ipswich	N	Y *	Y	Y	Y	N	Y	N	N		

Line of Route	Line of Route / Sector Description	Gauge									Notes
		GB1/2	W6A	W7	W8	W9	W9Plus	W10	W10A	W12	
EA1012	Ipswich – Trowse Jn	N	Y *	Y	Y	Y	N	R1	N	N	R1 W10 Between Ipswich and Haughley Jn only.
EA1013	Trowse Jn – Norwich	N	Y *	Y	Y	N	N	N	N	N	
EA1013	Trowse Swing Bridge – Wensum Jn (EA1470) via Wensum Curve	N	Y	Y	Y	N	N	N	N	N	
EA1020	Carpenters Rd South Jn – Carpenters Rd North Jn	N	Y	Y	Y	Y	N	N	N	N	
EA1030	Forest Gate Jn – Woodgrange Park Jn	N	Y	Y	Y	Y	N	Y	N	N	
EA1040	Romford – Upminster	N	Y *	N	N	N	N	N	N	N	
EA1050	Shenfield Jn – Southend Victoria	N	Y *	N	N	N	N	N	N	N	
EA1060	Wickford Jn – Southminster	N	Y *	N	N	N	N	N	N	N	
EA1070	Witham – Braintree	N	Y *	N	N	N	N	N	N	N	
EA1080	Marks Tey Jn – Sudbury	N	Y *	N	N	N	N	N	N	N	
EA1090	Colchester Jn – Clacton	N	Y *	N	N	N	N	N	N	N	
EA1100	East Gate Jn & Hythe Jn – Colchester town	N	Y *	N	N	N	N	N	N	N	
EA1110	Thorpe-Le-Soken – Walton-On-Naze	N	Y *	N	N	N	N	N	N	N	
EA1120	Manningtree (North & South Jns) – Harwich town	N	Y *	Y	Y	N	N	Y	N	N	
EA1130	Griffin Wharf Branch	N	Y	Y	Y	Y	N	Y	N	N	
EA1150	Channelsea South Jn – Stratford Central Jn West	N	Y	Y	Y	Y	N	Y	N	N	
EA1160	Bethnal Green East Jn – Coppermill Jn	N	Y *	Y	Y	N	N	N	N	N	
EA1160	Coppermill Jn – Tottenham South Jn	N	Y	Y	Y	Y	N	Y	N	N	
EA1160	Tottenham South Jn – Bishops Stortford	N	Y *	Y	Y	N	N	N	N	N	
EA1161	Bishops Stortford – Ely Dock Jn	N	Y *	Y	Y	N	N	N	N	N	
EA1161	Ely Dock Jn – Ely North Jn	N	Y *	Y	Y	Y	N	Y	N	N	
EA1162	Ely North Jn – Kings Lynn	N	Y	Y	Y	N	N	N	N	N	
EA1170	Hackney Downs North Jn – Bury Street Jn	N	Y *	Y	Y	N	N	N	N	N	
EA1180	Reading Lane Jn – Navarino Road Jn (Graham Rd. Curve)	N	Y	N	N	N	N	N	N	N	
EA1190	Bury Street Jn – Cheshunt Jn	N	Y *	Y	Y	N	N	N	N	N	
EA1200	Clapton Jn – Chingford	N	Y *	N	N	N	N	N	N	N	
EA1210	Broxbourne Jn – Hertford East	N	Y *	N	N	N	N	N	N	N	
EA1220	Stansted (South & North Jns) – Stansted Airport	N	Y *	N	N	N	N	N	N	N	

Line of Route	Line of Route / Sector Description	Gauge									Notes	
		GB1/2	W6A	W7	W8	W9	W9Plus	W10	W10A	W12		
EA1230	Royston – Shepreth Branch Jn	N	Y	Y	Y	N	N	N	N	N		
EA1270	Kings Lynn Jn – Middleton Towers	N	Y	Y	Y	Y	Y	Y	Y	Y		
EA1270	Kings Lynn Jn – Kings Lynn Yard branch end	N	Y	Y	Y	Y	Y	Y	Y	Y		
EA1280	Stratford Central Jn East – Coppermill Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1290	Tottenham South Jn – South Tottenham East Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1300	South Tottenham West Jn – Seven Sisters Jn	N	Y	Y	Y	N	N	N	N	N		
EA1310	Camden Road West Jn – Gospel Oak	N	Y *	Y	Y	Y	N	Y	N	N		
EA1310	Gospel Oak – Kensal Green Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1310	Kensal Green Jn – Harlesden Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1310	Kensal Green Jn – Willesden High Level Jn	N	Y *	Y	Y	Y	N	Y	N	N		
EA1310	Willesden High Level Jn – Mitre Bridge Jn	N	Y	Y	Y	S1	N	Y	N	N	S1	Transfesa Swapbodies in the number range TF001 – TF480 on IFA & IFB wagons permitted only.
EA1310	Willesden High Level Jn – Acton Wells Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1310	Acton Wells Jn – Acton East Jn	N	Y	Y	Y	Y	R1	R1	R1	R1	R1	Acton Wells to Route Boundary
EA1310	Acton Wells Jn – South Acton Jn	N	Y	Y	Y	Y	R1	R1	R1	R1	R1	Acton Wells Jnto Acton Wells Jn
EA1320	Territory Boundary – Channelsea South Jn	N	Y *	Y	Y	Y	N	R1	N	N	R1	W10 Prohibited between Kings Cross Freight Terminal Jn and Camden Road Central Jn.
EA1325	Limit of reversible working DNL - Network Rail Boundary (TFL ELL)	N	Y	N	N	N	N	N	N	N		
EA1327	ELL/Network Rail Boundary - Old Kent Road Jn (SO680)	N	Y	N	N	N	N	N	N	N		
EA1330	South Acton Jn – Old Kew Jn & New Kew Jn	N		Y	Y	R1	N	N	N	N	R1	W9 Prohibited between Kew East Jn and Old Kew Jn.
EA1340	Lea Jn – High Meads Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1350	Channelsea North Jn – Temple Mills East Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1360	Dudding Hill Jn – Neasden Jn	N	Y	S1	N	N	N	N	N	N	S1	8' 6" high by 8' wide containers can be conveyed on FRA wagons, Deck height 990mm. 8' 6" high by 8' 2.5" wide containers may be conveyed on 825mm bed height Megafrets.

Line of Route	Line of Route / Sector Description	Gauge									Notes	
		GB1/2	W6A	W7	W8	W9	W9Plus	W10	W10A	W12		
EA1360	Neasden Jn – Neasden South Jn	N	Y *	Y	N	N	N	N	N	N		
EA1360	Neasden Jn – Acton Canal Wharf Jn	N	Y	R1 S1	N	N	N	N	N	N	R1 S1	5 mph on the Up road only at Bridge No.10 at 7m 61ch between Acton Canal Wharf Jn and Neasden Jn. 8' 6" high by 8' wide containers can be conveyed on FRA wagons, Deck height 990mm. 8' 6" high by 8' 2.5" wide containers may be conveyed on 825mm bed height Megafrets
EA1360	Dudding Hill Jn – Cricklewood Curve Jn	N	Y *	Y S1	N	N	N	N	N	N	S1	8' 6" high by 8' wide containers can be conveyed on FRA wagons, Deck height 990mm. 8' 6" high by 8' 2.5" wide containers may be conveyed on 825mm bed height Megafrets.
EA1360	Dudding Hill Jn – Brent Curve Jn	N	Y	Y	N	N	N	N	N	N		
EA1360	Acton Canal Wharf Jn – Acton Wells Jn	N	Y	Y	Y	Y	Y	Y	Y	Y		
EA1360	Acton Wells Jn – Willesden Jn	N	Y *	Y	Y	Y	R1	Y	Y	R1	R1	Acton Canal Wharf Jn to Route Boundary (00m 11ch)
EA1360	Acton Wells Jn – Willesden West London Jn	N	Y	Y	Y	Y	N	Y	Y	N		
EA1370	Gospel Oak – Jn Rd Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1370	Carlton Rd Jn – Jn Rd Jn	N	Y	Y	N	N	N	N	N	N		
EA1370	Jn Rd Jn – Harringay Park Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1370	Harringay Park Jn – Harringay West Jn	N	Y	Y	Y	Y	N	N	N	N		
EA1370	Harringay Park Jn – South Tottenham West Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1370	South Tottenham West Jn – South Tottenham East Jn	N	Y	Y	Y	Y	N	Y	N	N		
EA1370	South Tottenham East Jn – Woodgrange Park Jn	N	Y *	Y	Y	Y	N	Y	N	N		
EA1370	Woodgrange Park Jn – Barking Tilbury Jn West	N	Y *	Y	Y	Y	N	Y	N	N		
EA1380	Fenchurch Street – Barking Tilbury Jn West	N	Y	N	N	N	N	N	N	N		

Line of Route	Line of Route / Sector Description	Gauge									Notes	
		GB1/2	W6A	W7	W8	W9	W9Plus	W10	W10A	W12		
EA1380	Barking Tilbury Jn West – Upminster	N	Y *	Y	Y	R1 R2	N	Y	N	N	R1 R2	W9 Prohibited on up line through Upminster station (Platform 1). Platform 2 is Bi-directional 15mph at Bridge 30 at 14m 20ch London side of Upminster on Up and Down lines.
EA1380	Upminster – Shoeburyness	N	Y *	Y	Y	N	N	N	N	N		
EA1390	Barking Tilbury Line Jn East – Former Tilbury West Jn	R1	Y	Y	Y	Y	N	Y	N	N	R1	GB1/2 between the following locations and via the following lines only: • Exchange Sidings Nos 1, 2 & 3 and Hanson Sidings/Ford Motor Company Sidings (via Ford Motor Company Connecting line) • Exchange Sidings Nos 1, 2 & 3 and the CTRL lines (via the Ripple Lane Chords) • Ripple Lane West Yard Siding No 1 and Exchange Sidings Nos 1, 2 & 3 (via Renwick Road Jn) • Ripple Lane West Yard Siding No 1 and western entrance to Barking Freightliner Depot (via the Goods lines) Ripple Lane West Yard Siding No 1 and Stora Sidings.
EA1390	Former Tilbury West Jn – Pitsea via Tilbury	N	Y	Y	Y	R1	N	R1	N	N	R1	W9 and W10 between former Tilbury West Jn and Thames Haven Jn only.
EA1400	Gas Factory Jn – Bow Jn	N	Y *	N	N	N	N	N	N	N		
EA1410	Upminster – West Thurrock Jn	N	Y *	Y	Y	Y	N	Y	N	N		
EA1420	Thames Haven Jn – Thames Haven	N	Y *	Y	Y	Y	N	Y	N	N		
EA1430	East Suffolk Jn – Westerfield Jn	N	Y	Y	Y	N	N	Y	N	N		
EA1430	Westerfield Jn – Oulton Broad North Jn	N	Y	N	N	N	N	N	N	N		
EA1440	Westerfield Jn – Felixstowe Beach Jn	N	Y*	Y	Y	N	N	Y	N	N		
EA1440	Felixstowe Beach Jn– Felixstowe Town	N	Y *	Y	Y	N	N	N	N	N		
EA1450	Trimley – Port of Felixstowe North Quay Terminal	N	Y *	Y	Y	N	N	Y	N	N		
EA1460	Felixstowe Beach Jn – Felixstowe Beach	N	Y	Y	Y	N	N	Y	N	N		

Line of Route	Line of Route / Sector Description	Gauge									Notes
		GB1/2	W6A	W7	W8	W9	W9Plus	W10	W10A	W12	
EA1470	Norwich Thorpe Jn – Lowestoft	N	Y *	R1	R1	N	N	N	N	N	R1 W7 and W8 prohibited East of Oulton Broad North Jn. STNC NC/G1/2010/ICP-G/EA001 applies to 30/12/2012
EA1480	Whitlingham Jn – North Walsham (End of Station Loop)	N	Y *	R1	R1	N	N	N	N	N	R1 Prohibited on the Down road and 5mph on the Up road at Bridge No.370 at 08m 08ch between Salhouse and Wroxham.
EA1480	North Walsham (End of Station Loop) – Cromer	N	Y *	N	N	N	N	N	N	N	
EA1490	Cromer to Sheringham	N	Y	N	N	N	N	N	N	N	
EA1500	Brundall Jn – Yarmouth via Acle	N	Y *	Y	Y	N	N	N	N	N	
EA1510	Reedham Jn – Yarmouth	N	Y *	Y	Y	N	N	N	N	N	
EA1520	Saxmundham Jn – Sizewell	N	Y *	N	N	N	N	N	N	N	
EA1530	Coldham Lane Jn – Haughley Jn	N	Y	Y	Y	R1	R1	R1	N	N	R1 Prohibited Coldham Lane Jn to Chippenham Jn
EA1540	Chippenham Jn – Ely Dock Jn	N	Y *	Y	Y	Y	N	Y	N	N	
EA1550	Ely North Jn – Ely West Jn (Ely West Curve)	N	Y *	Y	Y	N	N	N	N	N	
EA1560	Ely North Jn – Peterborough	N	Y	Y	Y	Y	N	Y	N	N	
EA1570	March (East & West Jns) – Whitemoor Jn	N	Y *	Y	Y	Y	N	Y	N	N	
EA1570	Whitemoor Jn – Wisbech	N	Y *	Y	Y	N	N	N	N	N	
EA1580	Ely North Jn – Trowse Jn	N	Y	Y	Y	N	N	N	N	N	
EA1580	Ely North Jn – Trowse Jn	N	Y *	Y	Y	N	N	N	N	N	
EA1744	Europa Jn – Boss Hall Jn	N	Y	Y	Y	Y	Y	Y	Y	Y	

Table D5B – Locomotive Gauge Clearance table

Last Updated: 03/04/2021

To be read in conjunction with General Notes.

- All locomotives conform to locomotive gauge, apart from Class 37s (when fitted with roof horns).
- Locomotive gauge restrictions apply to all locomotives unless clearance is provided in the Route Clearance D4 Tables.
- Locomotives that are not listed in the Route Clearance D4 Tables are permitted to operate over routes that conform to locomotive gauge, subject to the restrictions detailed in the table below and the conditions stated in the locomotive's Summary of Compatibility document. Locomotives that are not listed in the Route Clearance D4 Tables require a valid Summary of Compatibility prior to operation over Network Rail infrastructure.
- Locomotives are PROHIBITED from using crossovers within platforms (code word LACER) unless their overall length (over buffers) is 18.288m or less.
- Gauge clearance for steam locomotives is considered under a separate process.

The notations (used in these tables) are explained as follows for locomotive gauge conformant vehicles:

Y Route conforms to locomotive gauge without restriction.

R Route conforms (or partly conforms) to locomotive gauge but restrictions apply. See “Notes” column for details.

N Route does not conform to locomotive gauge

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
EA1010	LTN1	Liverpool Street platforms 1-10 – Liverpool St (L) IECC	0	00	0	22	8	R1	R1 Prohibited Liverpool Street platform 10
EA1010	LVS	Liverpool Street platforms 11-17 – Liverpool St (L) IECC	0	00	0	22	8	Y	
EA1010	LTN1	Liverpool St (L) IECC – Bethnal Green East Jn	0	22	1	10	8	R1	R1 Prohibited between Liverpool Street station throat and Bethnal Green West Jn on the Down Suburban line and Up Main line
EA1010	LTN1	Bethnal Green East Jn – Mile End	1	10	2	02	8	Y	
EA1010	LTN1	Mile End – Bow Jn	2	02	2	74	8	Y	
EA1010	LTN1	Bow Jn – Carpenters Road South Jn	2	74	3	54	8	Y	
EA1010	LTN1	Carpenters Road South Jn – Stratford Central Jn West	3	54	3	70	8	Y	
EA1010	LTN1	Stratford Central Jn West – Stratford Central Jn East	3	75	5	63	8	Y	
EA1010	LTN1	Stratford Central Jn East – Forest Gate Jn	3	75	5	63	8	R1	R1 Prohibited Maryland platform 3 (Up Main line)
EA1010	LTN1	Forest Gate Jn – Ilford Depot London End	5	63	7	63	8	R1	R1 Prohibited between Manor Park and Ilford on the Up Passenger Avoiding line
EA1010	LTN1	Ilford Depot London End – Seven Kings	7	63	8	45	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
EA1011	LTN1	Seven Kings – Romford Jn	8	45	12	39	8	Y	
EA1011	LTN1	Romford Jn – Shenfield Jn	12	39	20	22	8	R1	R1 Prohibited Harold Wood platform 3 (Up Electric line)
EA1011	LTN1	Shenfield Jn – Witham Jn	20	22	38	55	8	Y	
EA1011	LTN1	Witham Jn – Marks Tey Jn	38	55	46	49	8	Y	
EA1011	LTN1	Marks Tey Jn – Colchester Jn	46	49	51	65	8	R1 R2	R1 Prohibited Colchester platform 3 (Up Main line) R2 Prohibited Colchester platform 6 (Up Bay line)
EA1011	LTN1	Colchester Jn – Manningtree South Jn	51	65	59	46	8	R1	R1 Prohibited Manningtree Down Refuge Siding (former platform 4)
EA1011	LTN1	Manningtree South Jn – Manningtree North Jn	59	46	59	69	8	Y	
EA1011	LTN1	Manningtree North Jn – Ipswich	59	69	68	59	8	Y	
EA1012	LTN1	Ipswich – East Suffolk Jn	68	59	69	41	8	Y	
EA1012	LTN1	East Suffolk Jn – Trowse Jn (EA1013)	69	41	113	68	8	Y	
EA1013	LTN2	Trowse Jn – Trowse Swing Bridge	123	00	123	37	8	Y	
EA1013	NCW	Trowse Swing Bridge – Wensum Jn (EA1470/ELR NOL 0m 60ch) via Through Sidings / Wensum Curve	0	00	0	28	8	Y	
EA1013	LTN2	Trowse Swing Bridge – Norwich	123	37	124	09	8	R1	R1 Prohibited Norwich Royal Dock No 1
EA1020	CNS	Carpenters Rd South Jn – Carpenters Rd North Jn	1	12	0	70	8	Y	
EA1030	FGW	Forest Gate Jn – Woodgrange Park Jn	0	00	0	31	8	Y	
EA1040	ROU	Romford – Upminster	0	00	3	30	8	Y	
EA1050	SSV	Shenfield Jn – Southend Victoria	20	22	41	42	7	Y	
EA1060	WIS	Wickford Jn – Southminster	29	13	45	42	7	Y	
EA1070	BRA	Witham – Braintree	24	15	17	71	6	Y	
EA1080	SUD	Marks Tey Jn – Sudbury	45	53	58	32	6	Y	
EA1090	COC	Colchester Jn – Clacton	52	28	69	56	7	Y	
EA1100	STB	East Gate Jn – Colne Jn	53	14	53	30	7	Y	
EA1100	CTH	Hythe Jn – Colne Jn	0	22	0	00	7	Y	
EA1100	STB	Colne Jn – Colchester town	53	30	53	76	7	Y	
EA1110	TWN	Thorpe-le-Soken Jn – Walton-On-Naze	65	19	70	15	7	Y	
EA1120	MAH	Manningtree South Jn – Manningtree East Jn	59	35	59	67	8	Y	
EA1120	NTE	Manningtree North Jn – Manningtree East Jn	0	00	0	24	8	Y	

Line of route	ELR	Line of Route / Sector Description	00 00 M	00 00 Ch	00 00 M	00 00 Ch	RA	Loco Gauge	Notes
EA1120	MAH	Manningtree East Jn – Harwich International Port	59	67	68	72	8	Y	
EA1120	MAH	Harwich International Port – Harwich Town	68	72	70	61	8	Y	
EA1130	GRW	Halifax Jn – Griffin Wharf Boundary	0	00	0	47	8	Y	
EA1150	CST	Channelsea South Jn – Stratford Central Jn West	0	29	0	00	8	Y	
EA1160	BGK	Bethnal Green East Jn – Reading Lane Jn	1	10	2	55	4	Y	
EA1160	BGK	Reading Lane Jn – Hackney Downs North Jn	2	55	3	04	4	Y	
EA1160	BGK	Hackney Downs North Jn – Coppermill Jn	3	04	4	74	8	Y	
EA1160	BGK	Coppermill Jn – Tottenham South Jn	4	74	5	41	8	Y	
EA1160	BGK	Tottenham South Jn – Bishops Stortford (Cannons Mill Lane Footpath LC (R/G-X)	5	41	31	31	8	R1 R2	R1 Prohibited between Broxbourne and Broxbourne Jn on the Up Cambridge line R2 Prohibited Harlow Town platfrom 4 (Down Loop)
EA1161	BGK	(Cannons Mill Lane Footpath LC (R/G-X) Stansted Mountfitchet – Shepreth Branch Jn	31	31	53	06	8	Y	
EA1161	BGK	Shepreth Branch Jn – Ely Dock Jn	53	06	69	79	8	R1	R1 Prohibited Cambridge bay platform 3 (Down Slow line)
EA1161	BGK	Ely Dock Jn – Ely North Jn	69	79	71	68	8	Y	
EA1162	BGK	Ely North Jn – Kings Lynn	71	68	96	75	8	Y	
EA1170	HDT	Hackney Downs North Jn – Seven Sisters Jn	3	04	5	70	8	R1	R1 Prohibited Rectory Road platform 1 (Up Southbury)
EA1170	HDT	Seven Sisters Jn – Bury Street Jn	5	70	9	20	8	Y	
EA1170	ENT	Bury Street Jn – Enfield Town	9	20	10	55	8	Y	
EA1180	GRE	Reading Lane Jn – Navarino Road Jn (Graham Rd Curve)	2	55	2	79	8	Y	
EA1190	HDT	Bury Street Jn – Cheshunt Jn	9	20	14	28	8	Y	
EA1200	CJC	Clapton Jn – Chingford	4	37	10	33	7	R1	R1 Prohibited Walthamstow Central platform 2 (Down line)
EA1210	HEB	Broxbourne Jn – Hertford East	18	35	24	19	9	Y	
EA1220	TLA	Stansted South Jn – Stansted East Jn	33	54	34	26	8	Y	
EA1220	TEN	Stansted North Jn – Stansted East Jn	0	00	0	49	8	Y	
EA1220	TLA	Stansted East Jn – Stansted Airport	34	26	36	67	8	Y	
EA1230	SBR	Route Boundary (LN125) (Royston) – Shepreth Branch Jn	45	60	55	26	9	Y	
EA1270	MIT	Kings Lynn Jn – Middleton towers	0	22	3	44	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
EA1270	MIT	Kings Lynn Jn – Kings Lynn Yard branch end	0	22	0	00	8	Y	
EA1280	SDC	Stratford Central Jn East – Temple Mills East Jn (Via Platforms 11 & 12 at Stratford)	3	76	4	45	8	Y	
EA1280	SDC	Temple Mills East Jn – Coppermill Jn	4	45	7	14	8	Y	
EA1290	TSE2	Tottenham South Jn – Change of mileage	5	41	5	54	8	Y	
EA1290	TSE1	Change of mileage – South Tottenham East Jn	6	22	5	73	8	Y	
EA1300	SSL	South Tottenham West Jn – Seven Sisters Jn	0	13	0	00	8	Y	
EA1310	BOK2	Camden Road West Jn – Gospel Oak Jn	0	00	1	10	8	Y	
EA1310	BOK2	Gospel Oak Jn – Kensal Green Jn	1	10	5	10	8	Y	
EA1310	KGC	Kensal Green Jn – Route Boundary (MD155) (Harlesden Jn)	0	00	0	21	8	Y	
EA1310	KGW	Kensal Green Jn – Route Boundary (MD150) (Willesden Suburban Jn)	5	10	5	25	8	Y	
EA1310	BOK3	Kensal Green Jn – Willesden High Level Jn	5	10	5	48	8	Y	
EA1310	WMB	Willesden High Level Jn – Route Boundary (MD160) (Mitre Bridge Jn)	0	43	0	09	8	Y	
EA1310	BOK4	Willesden High Level Jn – Former Old Oak Jn (change of mileage)	0	00	0	34	8	Y	
EA1310	BOK4	Former Old Oak Jn (change of mileage) – Acton Wells Jn (Connection EA1360)	0	34	0	66	8	Y	
EA1310	BOK5	Acton Wells Jn (Connection to EA1360) – Acton Wells Jn (Connection to GW130)	0	66	0	72	8	Y	
EA1310	AWL	Acton Wells Jn – Route Boundary (GW130) (Acton East Jn)	0	49	0	39	8	Y	
EA1310	BOK5	Acton Wells Jn (Connection to GW130) – Acton Central (Limit of AC)	0	72	1	73	8	Y	
EA1310	BOK5	Acton Central (Limit of AC) – South Acton Jn	1	73	2	52	8	Y	
EA1310	SAR1	South Acton Jn – Gunnersbury Jn	2	52	3	12	8	Y	
EA1310	SAR2	Gunnersbury Jn – Richmond	9	72	12	39	4	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
EA1320	CRC1/2	Route Boundary (MD145) (Camden Jn) – Camden Road West Jn	5	42	5	10	8	Y	
EA1320	BOK1	Camden Road West Jn – Camden Road Central Jn	5	10	4	64	8	Y	
EA1320	CRF1	Camden Road Central Jn – Route Boundary (LN115) (North London Incline)	0	51	0	20	8	Y	
EA1320	BOK1	Camden Road Central Jn – Canonbury West Jn	4	64	3	12	8	Y	
EA1320	CFP	Canonbury West Jn – Route Boundary (LN110) (Finsbury Park)	3	12	3	20	8	Y	
EA1320	BOK1	Canonbury West Jn – Dalston Western Jn	3	12	2	21	8	Y	
EA1320	DWW1	Dalston Western Jn – Navarino Road Jn (Change of Mileage)	2	21	1	52	8	Y	
EA1320	DWW2	Navarino Road Jn (Change of Mileage) – Lea Jn	1	11	3	19	8	Y	
EA1320	DWW2	Lea Jn – Channelsea North Jn	3	19	3	32	8	Y	
EA1320	DWW2	Channelsea North Jn – Channelsea South Jn	3	32	3	33	8	Y	
EA1320	DWW2	Channelsea South Jn – Stratford	3	33	3	74	8	Y	
EA1325	BOK1	Limit of reversible working DNL – Network Rail Boundary (TFL ELL)	3	38	2	17	8	Y	
EA1325	ELL1	Network Rail Boundary (TFL ELL) – Canal Jn (TFL Infrastructure)	2	17	5	21	8	Y	
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Up East London Line) (TFL Infrastructure)	5	21	5	52	8	Y	
EA1325	ELL1	Canal Jn – TFL / Network Rail Boundary (SO510) (Via Down East London Line) (TFL Infrastructure)	5	21	5	73	8	Y	
EA1325	ELL2	Canal Jn – Lewisham (TFL Infrastructure)	5	21	5	78	8	Y	
EA1327	ELL3	Silwood Jn – ELL / Network Rail Boundary (TFL Infrastructure)	4	66	5	51	8	Y	
EA1327	ELL4	ELL / Network Rail Boundary – Old Kent Road Jn (SO680)	2	23	2	32	8	Y	
EA1330	BOK5	South Acton Jn – Kew East Jn	2	52	3	27	8	Y	
EA1330	NKE1	Kew East Jn – Route Boundary (SW230) (New Kew Jn)	3	27	3	39	8	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
EA1330	BOK5	Kew East Jn – Route Boundary (SW230) (Old Kew Jn)	3	27	3	61	8	Y	
EA1340	LLS2	Lea Jn – High Meads Jn	0	51	0	65	8	Y	
EA1350	CHM	Channelsea North Jn – High Meads Jn	0	00	0	15	8	Y	
EA1350	LLS1	High Meads Jn – Temple Mills East Jn	0	15	0	59	8	Y	
EA1360	CAW	Route Boundary (LN3219) (Cricklewood Curve Jn) – Dudding Hill Jn	5	72	6	04	8	Y	
EA1360	BDH	Route Boundary (LN3222) (Brent Curve Jn) – Dudding Hill Jn	0	54	1	03	8	Y	
EA1360	CAW	Dudding Hill Jn – Neasden Jn	6	04	7	02	8	Y	
EA1360	NJN	Neasden Jn – Route Boundary (MD715) (Neasden South Jn)	6	56	6	51	8	Y	
EA1360	CAW	Neasden Jn – Acton Canal Wharf Jn	7	02	8	45	8	Y	
EA1360	ACW	Acton Canal Wharf Jn – Route Boundary (MD170) (Willesden Jn)	0	35	0	11	8	Y	
EA1360	CAW	Acton Canal Wharf Jn – Acton Wells Jn (Change of Mileage)	8	45	8	77	8	Y	
EA1360	WAW	Acton Wells Jn (Change of Mileage) – Route Boundary (MD165) (North Pole Jn/ Willesden West London Jn)	6	09	6	76	8	Y	
EA1360	CAW	Acton Wells Jn (Change of Mileage) – Acton Wells Jn	0	63	0	66	8	Y	
EA1370	GOJ	Gospel Oak Jn – Junction Road Jn	0	00	0	58	8	Y	
EA1370	JRT2	Junction Road Jn – Route Boundary (LN3210) (Carlton Rd Jn)	2	42	2	38	8	Y	
EA1370	TAH1	Junction Road Jn – Harringay Park Jn	2	42	4	15	8	Y	
EA1370	HPW	Harringay Park Jn – Route Boundary (LN165) (Harringay Jn)	0	25	0	14	8	Y	
EA1370	TAH1	Harringay Park Jn – South Tottenham West Jn	4	15	5	65	8	Y	
EA1370	TAH1	South Tottenham West Jn – South Tottenham East Jn	5	65	5	73	8	Y	
EA1370	TAH2	South Tottenham East Jn – Woodgrange Park Jn	5	73	11	79	8	Y	
EA1370	TAH3	Woodgrange Park Jn – Barking Station Jn	11	79	13	12	8	Y	

Line of route	ELR	Line of Route / Sector Description	00 00 M	00 00 Ch	00 00 M	00 00 Ch	RA	Loco Gauge	Notes
EA1370	TAH3	Barking Station Jn – Barking Tilbury Jn West	13	12	13	42	8	Y	
EA1370	TAH4	Barking Station Jn – Barking Platform 1	13	12	13	62	8	Y	
EA1380	FSS1	Fenchurch Street – Gas Factory Jn	0	00	2	57	3	Y	
EA1380	FSS1	Gas Factory Jn – East Ham Depot	2	57	6	18	3	Y	
EA1380	FSS1	East Ham Depot – Barking Tilbury Jn West	6	18	7	33	3	R	R1 Prohibited between East Ham Depot and Barking Tilbury Jn
EA1380	FSS2	Barking Tilbury Jn West – Barking Tilbury Jn East	7	33	7	60	8	Y	
EA1380	FSS2	Barking Tilbury Jn East – Upminster	7	60	15	20	8	Y	
EA1380	FSS2	Upminster – Southend Central	15	20	35	55	8	Y	
EA1380	FSS3	Southend Central – Shoeburyness	35	55	39	40	8	Y	
EA1390	TLL	Barking Tilbury Line Jn East – Former Tilbury West Jn	7	60	22	06	8	Y	
EA1390	TLL	Former Tilbury West Jn – Pitsea Jn	22	06	32	43	8	Y	
EA1400	GFB	Gas Factory Jn – Bow Jn	2	57	3	47	3	Y	
EA1410	FSS2	Upminster – Upminster East Jn	15	20	15	39	8	Y	
EA1410	UPG	Upminster East Jn – West Thurrock Jn	0	00	6	56	8	Y	
EA1420	THN	Thames Haven Jn – Thames Haven	26	41	30	18	8	Y	
EA1430	ESK	East Suffolk Jn – Westerfield Jn	69	41	73	23	8	Y	
EA1430	ESK	Westerfield Jn – Oulton Broad North Jn	73	23	116	27	7	R1 R2 R3	R1 Prohibited between Westerfield Jn and Woodbridge Single Line Jn on the Down line R2 Prohibited between Westerfield Jn and Woodbridge Single Line Jn on the Up line R3 Prohibited between Darsham and Halesworth on the Down line
EA1440	FEL	Westerfield Jn – Felixstowe Beach Jn	73	23	83	57	7	Y	
EA1440	FEL	Felixstowe Beach Jn – Felixstowe town	83	57	84	30	7	Y	
EA1450	TFN	Trimley – Port of Felixstowe North Quay Terminal	0	00	0	18	7	Y	
EA1460	FED	Felixstowe Beach Jn – Felixstowe Beach	83	57	86	34	7	Y	
EA1470	NOL	Thorpe Jn – Limit of Electrification	0	09	0	79	7	Y	
EA1470	NOL	Limit of Electrification – Reedham Jn	0	79	12	34	7	Y	
EA1470	NOL	Reedham Jn – Lowestoft	12	34	23	41	7	Y	

Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	RA	Loco Gauge	Notes
EA1480	WHC1	Whitlingham Jn – North Walsham (End of Station Loop)	1	69	16	30	6	Y	
EA1480	WHC1	North Walsham (End of Station Loop) – Change of Mileage (Site of Former Roughton Road Jn)	16	30	24	00	6	Y	
EA1480	WHC2	Change of Mileage (Site of Former Roughton Road Jn) – Change of Mileage (Site of Former Runton East Jn)	11	54	13	48	6	Y	
EA1480	WHC3	Change of Mileage (Site of Former Runton East Jn) – Cromer	45	64	46	42	6	Y	
EA1490	CRS	Cromer Jn – Network Rail Boundary (North Norfolk Railway)	46	27	42	69	6	Y	
EA1500	NAY	Brundall Jn – Yarmouth Via Acle	5	72	18	29	7	Y	
EA1500	RBY	Breydon Access No24 LC (EA1510) – Yarmouth	19	13	20	45	7	Y	
EA1510	RBY	Reedham Jn – Breydon Access No.24 LC	12	34	19	13	7	Y	
EA1520	SIZ	Saxmundham Jn – Sizewell	91	40	95	79	7	Y	
EA1530	CCH	Coldham Lane Jn – Haughley Jn	0	23	40	49	8	Y	
EA1540	SOB1	Chippenham Jn – Site of Former Snailwell Jn	0	63	0	00	8	Y	
EA1540	SOB2	Site of Former Snailwell Jn – Ely Dock Jn	1	54	12	33	8	Y	
EA1550	EWC	Ely North Jn – Ely West Jn (Ely West Curve)	71	63	72	63	8	Y	
EA1560	EMP	Ely North Jn – Ely West Jn	71	63	72	39	8	Y	
EA1560	EMP	Ely West Jn – Route Boundary (LN135) (Peterborough)	72	39	98	40	8	Y	
EA1570	WIG	March East Jn – Whitemoor Jn	85	78	86	18	8	Y	
EA1570	MWL	March West Jn – Whitemoor Jn	0	00	0	13	8	Y	
EA1570	WIG	Whitemoor Jn – Wisbech	86	18	93	60	6	Y	
EA1580	ETN	Ely North Jn – Trowse Jn	71	72	123	00	8	Y	
EA1744	BFC	Europa Jn – Boss Hall Jn	0	00	0	63	10	Y	

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EA1010 – LIVERPOOL STREET TO SEVEN KINGS

LIVERPOOL STREET

Diesel Traction
Diesel locomotives must not normally use platforms 8 to 17 inclusive and Diesel Multiple Units must not normally use Platforms 11 to 17 inclusive unless authorised by the Network Rail Station Manager Liverpool Street.

Drivers must ensure that engines are shut down immediately after arrival and only restarted when essential to do so prior to departure from Liverpool Street station.

Note: The above item is necessary because of the presence of smoke detectors at Liverpool Street station (as required by the Sub-Surface Station regulations) which could be actuated by fumes from Diesel engines.

Charter Train Operation
When a charter train is to enter Liverpool Street Station the following will apply:

- The Station Manager, Network Rail Liverpool Street must advised
- The method of dispatch must be agreed and a copy of the agreed method statement relating to the dispatch of the charter train provided to the Station Manager in sufficient time to enable onward briefing.
- The provisions for Diesel Traction, detailed above, must be observed
- The train must observe any platform restrictions imposed by the Station Manager

Procedure for use of T-COD to provide additional protection for blockages on Liverpool Street Station platform line
When the COSS (or PC) asks the Signaller for permission to place the T-COD on the line it must only be placed at the **platform starting signal at the end of the platform**. If the work involved is track cleaning and the line on which work is to take place is adjacent to another line, then for the purpose of providing a safe method of working, platform lines must be blocked in pairs. The adjacent line must be blocked by the use of an additional T-COD placed at the **platform starting signal at the end of the platform**.

Movement of Trains between the Entry Signals and Platforms at Liverpool Street
Should a Train after passing the final signal on approach to Liverpool Street Station, come to a stand before fully entering the intended platform

THE DRIVER **MUST** IMMEDIATELY CONTACT THE CONTROLLING SIGNALLER BY GSM-R URGENT CALL ADVISING THEM OF THE SITUATION.

THIS INSTRUCTION DOES NOT OVERIDE THE REQUIREMENTS TO MAKE A GSM-R REC CALL IN ACCORDANCE WITH THE REQUIREMENTS OF THE RULE BOOK

Dated – 02/07/23

EA1010 - LIVERPOOL STREET TO SEVEN KINGS

Bow Midland Yard

When there is no shunter on duty the following procedure will apply when an on-track machine requires to access the yard:

- The machine must be brought to a stand at L5070 signal.
- The person in charge of the machine (PICOM) must contact the Signaller and give an assurance that the route has been set correctly for the movement of the machine inside Bow Midland Siding. Once this assurance has been given the signaller will clear signal L5070 for the movement of the machine into Bow Midland Sidings.
- The PICOM must contact the signaller once the movement is inside the sidings and complete.

Dated: 05/08/06

EA1010 - LIVERPOOL STREET TO SEVEN KINGS

Aldersbrook sidings

Starting of Trains
Two minutes before a train is due to depart, the Driver must operate the “Train Ready to Start” plunger for the siding concerned.

Dated: 05/08/06

EA1011 - SEVEN KINGS TO IPSWICH

Romford Engineers Depot

Movements from the Up Main

Drivers must:

- approach the appropriate depot gates cautiously and, when the gates are open, proceed inside and clear of the depot gates
- tell the signaller that the movement is inside the depot gates

Movements from Yard (OTM Compound)

Drivers must contact the signaller at the stop board and obtain authority to proceed towards No 2 Reception line.

Movements from Engineers Depot

Drivers must contact the signaller at the stop board and obtain authority to proceed along No 2 Reception line towards position light signal L5105 or the Yard (OTM Compound).

Drivers must ensure that any hand points are correctly set for the passage of each movement.

Dated: 30/07/11

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EA1011 - SEVEN KINGS TO IPSWICH

GIDEA PARK

Starting of Trains from Platforms 3 and 4

Trains (including ECS from Platform 4 to the Carriage Sidings) must only depart once the appropriate signal has been cleared and the Right Away (RA) indicator has illuminated.

Dated: 05/08/06

EA1011 - SEVEN KINGS TO IPSWICH

Gidea Park Carriage sidings

Starting of trains from the Centre Siding and the Country End Shunt Spur.

Two minutes before a train is due to depart, the Driver must operate the “Train Ready to Start” plunger for the siding concerned.

Dated: 05/08/06

EA1011 - SEVEN KINGS TO IPSWICH

Shenfield Middle Sidings

Walking route to middle sidings from platform 4.

This walking route has limited clearance over Bridge 127. Staff must contact the signaller using the telephone provided and ascertain that no train is approaching before crossing the bridge

Dated: 05/08/06

EA1011 - SEVEN KINGS TO IPSWICH

Ingatestone WILD

Wheel impact load detector (WILD) equipment is installed on both lines at 24m 79ch (approximately 150 metres on the country side of Church Lane level crossing).

The purpose of this equipment is to minimise the possibility of damage to track caused by wheel defects or overloaded vehicles and to provide details of all trains with wheel loads outside acceptable limits.

It measures train / vehicle wheel loads and impact forces and is programmed to alert Anglia Route Control when Alarm levels are generated.

The Network Rail Train Running Controller (Freight) must action the alarms generated by advising the Signaller(s) concerned that trains are to be brought to a stand using the normal signal sequence and further action will depend upon the level of alarm generated.

Dated: 29/07/18

EA1011 - SEVEN KINGS TO IPSWICH

Chelmsford Yard

In order to provide sufficient clearance from live overhead line equipment, the loading or unloading of freight trains must take place only between position light signal L5188 and the buffer stops.

Dated: 05/08/06

EA1011 - SEVEN KINGS TO IPSWICH

WITHAM

Working over No. 4 Platform Line

At Witham Station, Platform 4, a double sided marker board capable of displaying the illuminated words “STOP HERE” is provided to facilitate the coupling of a 4-car train at the London end of the platform and an 8-car train at the country end of the platform.

Drivers of 4 car trains arriving from the London direction and Drivers of 8 car trains arriving from the Braintree direction must be prepared to stop at this board if the words “STOP HERE” are illuminated. Otherwise, they must stop at the normal train stop marker.

After stopping at the “STOP HERE” board, a Driver must not move towards the signal ahead until either the signal is cleared or he is personally instructed to do so by the person in charge of the platform, even though the words “STOP HERE” may have ceased to be illuminated.

Dated: 05/08/06

EA1011 - SEVEN KINGS TO IPSWICH

COLCHESTER

Up passenger trains working into No. 1 Platform Line
When it is necessary for passenger trains to proceed over the Up Goods line, drivers must stop the train in platform 1 in a position to allow passengers at the front of the train to alight safely.

Trains or locomotives leaving the Carriage Sidings or Diesel Depot.
Stop Boards are provided at the London end of the Diesel Depot Sidings and also at the station end of the Diesel Depot and Carriage Sidings in rear of signal CO1059 and these boards must not be passed until the authority of the Shunter or Signaller has been obtained.

Diesel Depot
Drivers entering either of the depot lines must proceed with caution and be prepared to find a red flag by day or red light at night in rear of any diesel loco/unit that may be standing on these lines. On no account must these be passed.

The following procedure will be followed in the event of further vehicles requiring to enter the line concerned.

- the loco/unit should be drawn up close to the flags or lights
- when stopped, an additional red flag/light will be placed at the first socket in rear of this loco/unit.
- Remove the flag/light to the front of the loco/unit.

Traincrew entering the Depot must at all times keep a sharp lookout for such red flags or lights.
In addition to the red flags/lights positioned on the line on which fuelling is to take place, Traincrew must be prepared to find red flags or lights on the adjacent Depot line even though fuelling is not taking place on that line.

Dated: 31/08/09

EA1011 - SEVEN KINGS TO IPSWICH

COLCHESTER STATION - BMU

Static Changeover for Bi-Mode Units (BMU)

Signage for Class 755

New signage is being introduced; this signage will **only apply** to Class 755 trains. The signage is for Class 755 trains to PAN DOWN will be located alongside Stop Car Marker Boards at each station.

The new signs and their meanings are shown below:

Changing from Electric to Diesel:

This sign warns the driver that there is a

traction supply changeover from AC to

Diesel.

pid=9408; href=b447eca8-3daf_Img_9408.gif;This signage has been introduced in the following Locations:

Station Location	ELR	Platform (s)	Direction	Instructions Applied
Colchester	LTN	1,2,4 & 3/6	Up	Diesel mode for trains bound for Sudbury Line (Pantograph Lowered)

Dated: 16/02/20

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EA1011 - SEVEN KINGS TO IPSWICH

Ipswich Tunnel

Warning bells at station end of tunnel

Two electric bells are provided, one on the Down side and the other on the Up side at the station end of the tunnel. The ringing of the bells advise that a Down train or locomotive is passing through the tunnel or that shunting movements are being made into or out of the tunnel.

Dated: 05/08/06

EA1011 - SEVEN KINGS TO IPSWICH

IPSWICH PLATFORM 1

Signage for Class 755

New signage is being introduced; this signage will only apply to Class 755 trains. The signage is for Class 755 trains applicable to arriving and will be located alongside the Stop Car Marker Board in Platform One.

The new signs and their meanings are shown below:



This sign warns the driver NO Class 755 Units beyond this point unless for the purpose of Refuelling ONLY.

Dated: 01/12/19

EA1012 - IPSWICH TO TROWSE JUNCTION

IPSWICH

Static Changeover for Bi-Mode Units (BMU)

Signage for Class 755

New signage is being introduced; and example is shown for illustrative purposes only. This signage will **only apply** to Class 755 trains. The signage is for Class 755 trains to PAN UP and PAN DOWN will be located alongside Stop Car Marker Boards at each station.

The new signs and their meanings are shown below:

Changing from Electric to Diesel:



This sign warns the driver that there is a traction supply changeover from AC to Diesel.

Changing from Diesel to Electric:



This sign warns the driver that there is a traction supply changeover from Diesel to AC.

This signage has been introduced in the following Locations:

Station Location	ELR	Platform(s)	Direction	Instructions Applied
Ipswich	LTN	2-4	Down	Diesel mode for trains bound for either Lowestoft or Felixstowe directions (Pantograph Lowered)

Dated: 04/08/19

EA1012 - IPSWICH TO TROWSE JUNCTION

Ipswich Upper Yard

Working of Upper Yard

The person in charge of a movement into this yard must ensure that all the hand points are correctly set for the safety of the train. When the train has been brought to a stand and no further movements are required to be made, the Signaller must be advised accordingly. If it is necessary for any further movements to be made after this assurance has been given, then the Signaller's permission must first be obtained.

Working between Lower and Upper Yards

1. Freight trains in either direction between the Lower and Upper Yards must not exceed 864 metres (945 yards). When working other than a fully fitted train from the Upper to the Lower Yard, the person in charge must apply the hand brake sufficiently to keep the couplings tight.
2. Trains must approach Ranelagh Road level crossing with caution.

Dated: 05/08/06

EA1012 - IPSWICH TO TROWSE JUNCTION

DISS

Headshunt adjacent to Up Main line

This headshunt has less than standard clearance from the Up Main line. A walkway has been provided along the full length of the headshunt cess and staff on the ground must only work from the walkway. Staff must not walk between any stationary vehicles on the headshunt and the Up Main line.

Stabling of locomotives, vehicles or self-propelled machines on the headshunt is prohibited.

Dated: 05/08/06

EA1012 - IPSWICH TO TROWSE JUNCTION

STOWMARKET

Static Changeover for Bi-Mode Units (BMU)

Signage for Class 755

New signage is being introduced; an example is shown for illustrative purposes only. This signage will **only apply** to Class 755 trains. The signage is for Class 755 trains to PAN UP and PAN DOWN will be located alongside Stop Car Marker Boards at each station.

The new signs and their meanings are shown below:

Changing from Electric to Diesel:



This sign warns the driver that there is a traction supply changeover from AC to Diesel.

Changing from Diesel to Electric:



This sign warns the driver that there is a traction supply changeover from Diesel to AC.

This signage has been introduced in the following Locations:

Station Location	ELR	Platform(s)	Direction	Instructions Applied
Stowmarket	LTN	1	Up	Electric mode for trains bound for Ipswich direction (Pantograph Raised)
Stowmarket	LTN	2	Down	Diesel mode for trains bound for Bury St Edmunds Direction (Pantograph Lowered)

Dated: 04/08/19

EA1012 – IPSWICH TO TROWSE JUNCTION

HAUGHLEY JN

Dynamic Manual Power Changeover Zone (MPCO)

Dynamic signage to facilitate Diesel/Electric traction changeover between Haughley AHBC Level Crossing and Stowmarket station on up and down mains.

Location	Miles/Chains	Running Lines & Speed restrictions		Signalling & Remarks
MPCO Zone Commencement	82m 60ch	Up Main		MPCO (See General Instructions)
MPCO Zone Commencement	81m 55ch	Down Main		MPCO (See General Instructions)

Dated: 12/12/2022

EA1012 – IPSWICH TO TROWSE JUNCTION

LAKENHAM CROSSOVER

Dynamic Manual Power Changeover Zone (MPCO)

Dynamic signage to facilitate Diesel/Electric traction changeover at Lakenham Crossover on up main.

Location	Miles/Chains	Running Lines & Speed restrictions		Signalling & Remarks
MPCO Zone Commencement	112m 66ch	Up Main		MPCO (See General Instructions)

Dated: 12/12/2022

EA1013 - TROWSE JN TO NORWICH

NORWICH

Steam hauled charter train

An empty coaching stock (ECS) is authorised to make a propelled movement between Norwich Station and No1 and No2 Reception roads at Crown Point in accordance with the Rule Book to allow the steam locomotive to turn and service subject the following:

1. The movement must have been published in the Train Advice Notice or Weekly Operating Notice.
2. No more than fifteen members of staff are permitted to be on board the movement.
3. Platform arrangements must be agreed with the Network Rail Operations Manager at Norwich or representative
4. Platform dispatch arrangements must be agreed with the station operator.
5. All passengers must be de-trained.
6. The guard must ride in the leading vehicle and control the movement using radio communication, but in the event of radio failure, the movement may be controlled from the ground as shown in Rule Book Module SS2 Section 5.2 using hand signals.
7. When the movement is ready to depart, the person responsible for despatch must inform the signaller at Colchester Signalling Centre that:
   - The Charter train is now empty coaching stock and needs to be moved to release the steam locomotive to enable it to turn and service
   - The movement is ready to start
   - The movement will be propelled

The Charter may then be propelled into either number one or number two reception road to either signal CP1477 or CP1479 at Crown Point Depot, in accordance with Rule Book Module TW1, Section 26.

If required the train may then propel back to Norwich station in accordance with Rule Book Module TW1, Section 26.

Note: The authority to permit a steam locomotive and up to two private owner brakes (POB) to propel between Norwich Thorpe Yard and Norwich Trowse Junction is shown in Table B of the Anglia Route Sectional Appendix

Dated: 07/12/13

EA1013 - TROWSE JN TO NORWICH

NORWICH STATION

Before allowing a train carrying passengers to approach an occupied platform where all track circuits are occupied, the Signaller at Colchester must confirm with the Person in Charge of the platform that there is enough room for the complete train to be accommodated

Dated: 11/07/15

EA1013 - TROWSE JN TO NORWICH

NORWICH STATION BMU

Static Changeover for Bi-Mode Units (BMU)

Signage for Class 755

New signage is being introduced; this signage will **only apply** to Class 755 trains. The signage is for Class 755 trains to PAN DOWN will be located alongside Stop Car Marker Boards at this station.

The new signs and their meanings are shown below:

Changing from Electric to Diesel:



This sign warns the driver that there is a traction supply changeover from AC to Diesel.
This signage has been introduced in the following Locations:
This signage has been introduced in the following Locations:

Station Location	ELR	Platform(s)	Direction	Instructions Applied
Norwich	LTN	1-6	Up	Diesel mode for trains bound for either Whitlingham Jn or Thetford directions (Pantograph Lowered)

Dated: 04/08/2019

EA1040 - ROMFORD TO UPMINSTER

Entire Line Of Route

Working By Pilotman

Working by Pilotman need not be instituted when a failure of track circuits or signals occurs, provided:-

1. The train is shut in on the Branch and 2219 points are secured in the normal position.
2. The line has been examined on the Track Circuit area.
3. The Driver has been instructed as to the method of working.

Dated: 05/08/06

EA1040 - ROMFORD TO UPMINSTER

ROMFORD PLATFORM ONE

STABLING OF TRAINS
ECS trains maybe stabled overnight in platform one at Romford.
At the end of service
The Driver must:

- Lower the pantograph.
- Dispose of the train according to company instruction
- Tell the Signaller when this is done.

When the train is to be made ready for service, The Driver must:

- contact the Signaller
- ask if the pantograph can be raised

A line blockage maybe taken on the Romford – Upminster line, while a train is stabled in platform one. Additional protection (stop boards and detonators) MUST be placed at 2219B points.

Dated: 29/08/15

EA1050 - SHENFIELD JN TO SOUTHEND VICTORIA

WICKFORD

Platform 4

Due to the platform length of 106m (113yd) at this location its PROHIBITED to clear a route up to the buffer stops for a Class 720 Electric Multiple Unit. If another type of traction requires use of this Platform its overall length to buffer stops must be 106m (113yd) or less

Dated: 24/04/21

EA1060 - WICKFORD JN TO SOUTHMINSTER

SOUTHMINSTER

Working of CEGB Ground Frame

A train is authorised to be shut inside the CEGB siding.

Dated: 05/08/06

EA1060 - WICKFORD JN TO SOUTHMINSTER

Entire Line Of Route

Rule Book Module TW8, - Occupation and accommodation (including bridleway) level crossings with a telephone

In order to assist the Signaller at Liverpool Street to determine whether or not there is sufficient time for a crossing to be used before the next train passes over it, Drivers may receive a call on the Cab Secure Radio asking them to confirm their position with reference to a station. When safe to answer the call, Drivers should state their position, confirming whether they are approaching, stopped at, or departed from a particular station.

Dated: 07/06/14

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EA1060 - WICKFORD JN TO SOUTHMINSTER

Entire Line Of Route

Rule Book Module TW8, - Occupation and accommodation (including bridleway) level crossings with a telephone

In order to assist the Signaller at Liverpool Street to determine whether or not there is sufficient time for a crossing to be used before the next train passes over it, Drivers may receive a call on the Cab Secure Radio asking them to confirm their position with reference to a station. When safe to answer the call, Drivers should state their position, confirming whether they are approaching, stopped at, or departed from a particular station.

Dated: 07/06/14

EA1060 - WICKFORD JN TO SOUTHMINSTER

Entire Line Of Route

Working of 12-Car Electric Multiple Unit Trains

Drivers of 12-car EMU trains on this route must not advance the power controller beyond notch 3.

Dated: 03/09/11

EA1080 - MARKS TEY JN TO SUDBURY

MARKS TEY To SUDBURY

Trains leaving Sudbury Station

Two minutes before departure the driver must contact the signaller at Liverpool Street and get their permission to depart.

Before dispatching the train the guard (conductor) must verbally confirm with the driver that the signallers' permission has been given.

Delayed Trains
If a train in either direction is delayed during the course of its journey, the Driver must approach the level crossings listed in the table above at caution and not continue pass the crossing until it is safe to do so.

Sudbury, Ladysbridge UWC	58m 25ch
Cornard ABCL	57m 42ch
Shalfords UWC	56m 73ch
Sewage Works Lane UWC	56m 62ch
Casefield UWC	56m 36ch
Lamarsh School Lane UWC	54m 77ch
Mount Bures ABCL	52m 61ch
Church House Farm UWC	47m 50ch

Dated: 12/01/19

EA1080 - MARKS TEY JN TO SUDBURY

CHAPPEL & WAKES COLNE

East Anglia Railway Museum

A train for the Museum Siding will be signalled on to the Sudbury line in the normal way and must then be stopped at the 1-lever Marks Tey Ground Frame (located at approx. 47m 43ch.) The ground frame operator must then

- ask the Signaller at Liverpool Street Signalling Centre to release the ground frame.
- when the release is given the operator must press the plunger to release the lever and obtain the Annett's key.
- the ground frame operator may then continue with the train to Chappel & Wakes Colne, where the Annett's key must be used to release the Museum Ground Frame, gaining access to the East Anglia Railway Museum siding.

On completion of movements at the Museum Siding the ground frame operator must

- replace the Museum Ground Frame to normal to release the Annett's key
- return with the train to Marks Tey Ground Frame
- replace the Annett's key and normalise the release lever.

Before continuing with the train towards Marks Tey Station, the ground frame operator must telephone the Signaller to confirm that the ground frame release has been replaced to normal. **The operator must not leave until he has ensured that this has been done**.

Dated: 05/08/06

EA1080 - MARKS TEY JN TO SUDBURY

BURES To SUDBURY

School Lane Level Crossing (54m 77ch)

School Lane level crossing is a private user crossing and the gates are padlocked shut by the authorised user of Hollow Tree Farm, Great Cornard. When the authorised user or the principle user of Toppersfeld Farm, Hadleigh, needs to take a large, low or slow moving vehicle over the crossing, they will contact the Route Control Manager at Anglia Integrated Control.

The Route Control Manager will ensure that Network Rail Operations staff go to the crossing and obtain permission from the Signaller at Liverpool Street IECC, Witham Workstation for a large, low or slow moving vehicle to pass over the crossing before allowing the movement over the crossing.

Dated: 30/08/08

EA1120 - MANNINGTREE TO HARWICH TOWN

Parkeston Freight Sidings

The person in charge of a movement into this yard must ensure that all the hand points are correctly set for the safety of the train. When the train has been brought to a stand and no further movements are required to be made, the Signaller must be advised accordingly. If it is necessary for any further movements to be made after this assurance has been given, then the Signaller's permission must first be obtained.

Dated: 05/08/06

EA1120 - MANNINGTREE TO HARWICH TOWN

HARWICH TOWN

Starting Of Trains

Two minutes before a train is ready to depart, the "Train Ready to Start" plunger on the platform must be operated.

Dated: 05/08/06

EA1130 - GRIFFIN WHARF BRANCH

Entire Line Of Route

Location of one train working staff
The staff for the One Train Working on the Griffin Wharf branch is normally kept at the Port of Ipswich security booth, West Bank Terminal, Ipswich, IP2 8LR

Dated: 06/01/24

EA1150 - CHANNELSEA SOUTH JN TO STRATFORD CENTRAL JN WEST

Signal S159 at Stratford
Drivers working freight trains via the Up Channelsea Jn. curve must, in all cases, bring the locomotive well up to Signal S159 to ensure the whole of the train clearing the track circuit at the junction in rear.

Dated: 05/08/06

EA1160 - BETHNAL GREEN EAST JN TO BISHOPS STORTFORD

CHESHUNT
Starting of Trains
Two minutes before a train is ready to depart from the Bay Platform (no. 3), the Driver must operate the “Train Ready to Start” plunger.

Dated: 05/08/06

EA1160 - BETHNAL GREEN EAST JN TO BISHOPS STORTFORD

BROXBOURNE
Starting of Trains
Trains which terminate and re-start with a new Train Description at the Up Passenger Loop, Up Cambridge Line and Down Passenger Loop platforms (1, 2 and 4) require the “Train Ready to Start” (TRTS) plunger to be operated two minutes before the train is ready to depart. Platform staff, if available, must operate the TRTS plunger. If platform staff are not available, the Driver must operate the TRTS plunger.

Dated: 05/08/06

EA1160 - BETHNAL GREEN EAST JN TO BISHOPS STORTFORD

HARLOW MILL

Trains setting back from Down Cambridge line to Up Yard Arrival Road/Down Goods Loop
When position light signal 5342 is cleared for the Up Yard Arrival Road/Down Goods Loop, the Driver is authorised to commence setting back and the provisions of Rule Book Module SS2 – Shunting, are modified accordingly.

The following should be noted and complied with when setting back:

- "Off" indicators are provided at both ends of Harlow Mill Down Platform. When illuminated they indicate that position light signal 5342 is showing "Proceed".
- If the indicator becomes extinguished while the setting-back movement is being made, the Driver must stop the movement immediately.
- The Driver must proceed cautiously, keeping a sharp lookout for the Shunter, and be prepared to act on any handsignal displayed.
- The "off" indicators are provided with telephones giving direct communication with Liverpool Street IECC (Harlow workstation). If the train is detained for more than two minutes, the Driver must use the telephone to communicate with the Signaller.

Dated: 05/08/06

EA1160 - BETHNAL GREEN EAST JN TO BISHOPS STORTFORD

BISHOPS STORTFORD

Working over Up Cambridge and Up Passenger Loop Platform lines
Drivers of trains terminating at Bishops Stortford, on passing signal L1162 in the Up direction or signal L1153 in the Down direction, must be prepared to stop at either of two illuminated "STOP HERE" signs on these platform lines.

Starting of trains
Trains which terminate and re-start with a new Train Description at the Up Passenger Loop platform 3 require the "Train Ready to Start" (TRTS) plunger to be operated two minutes before the train is ready to depart. Platform staff, if available, must operate the TRTS plunger. If platform staff are not available, the Driver must operate the TRTS plunger.

Up Siding No.2
The first train to enter the siding must proceed as far as the line is clear towards the buffer stops. A Stop board facing trains leaving the siding is positioned 159m (164 yards) in rear of the siding exit signal (position light signal 5387), together with a telephone providing direct communication with the Signaller. The Driver must obtain the Signaller's permission before passing this board.

Dated: 05/08/06

EA1161 - BISHOPS STORTFORD TO ELY NORTH JN

GREAT CHESTERFORD To CAMBRIDGE

When it is necessary to introduce single line working in accordance with Rule Book Module P1 – Single line working, on the Up Main line south of Shepreth Branch Jn. during the time that trains are also running to and from Royston, the following method of working may be introduced:-

a) The single line working on the Up Main line may be extended to Cambridge. Signals CA145 and CA149 (Down Main) will not apply to Down trains on the Up Main line. A Handsignaller must be appointed on the Up Main line (for Down Bishops Stortford trains) opposite signal CA145 and all trains will be stopped by the Handsignaller until authority is received from the Signaller for the train to proceed to signal CA647. All signals may be worked for Up trains towards Bishops Stortford.

b) Trains to and from Royston must be worked over the Down Main line between Shepreth Branch Jn. and Cambridge in accordance with Rule Book Module P1 and a 'Down Main line Pilotman' appointed. All signals may be worked for Down trains, signals CA140 and CA142 will not apply to Up Royston trains on the Down Main line. A Handsignaller must be appointed at Shepreth Branch Jn. to authorise trains to the Up Royston line.

c) The Pilotman must clearly identify themselves to Signaller, Drivers etc., as the 'Down Main line Pilotman' or the 'Up Main line Pilotman'. The Down Main line Pilotman must wear a red armlet on both arms as a visual indication of his appointment.

Dated: 05/08/06

EA1161 - BISHOPS STORTFORD TO ELY NORTH JN

CAMBRIDGE

Cambridge No. 3-17 Carriage Sidings and Headshunt.
The Yard Movements Controller is responsible for movements into these sidings and must ensure that the siding has adequate space to accept the rolling stock and that any hand points are set correctly prior to accepting a train into the sidings.

Once a train has arrived in the sidings no movement must be made without the authorisation of the Yard Movements Controller. A train shall not proceed past a Stop and Await Instruction Board where provided without authorisation from a Yard Shunter acting on the specific instructions of the Yard Movements Controller, or a Signaller during times of signalling equipment failure.

Cambridge No.2 Reception Sidings
The Signaller is responsible for movements into this siding and must ensure that the siding has adequate space to accept the rolling stock and that the London End hand points are set correctly by the Yard Shunter responsible for the Post Office Ladder prior to accepting a train into the sidings.

Once a train has arrived in the sidings no movement must be made without the authorisation of the Signaller. A train shall not proceed past CA682 Stop and Await Instruction Board without authorisation from the Signaller, or by the Yard Shunter responsible for the Post Office Ladder acting on the specific instructions of the Signaller.

Dated: 31/10/21

EA1161 - BISHOPS STORTFORD TO ELY NORTH JN

Chesterton Jn

The Driver or person in charge of a movement into this yard must ensure that the hand points are all correctly set for the safety of the train. When the train has been brought to a stand and no further movements are required to be made, the Signaller must be advised accordingly.

Dated: 05/08/06

EA1161 - BISHOPS STORTFORD TO ELY NORTH JN

Chesterton Jn To Ely North Jn

Working of Electric Locomotives and Multiple Units
12 - car trains are not permitted to work north of Milton neutral section.

Electric locomotives with the pantograph raised are not permitted to work north of Milton neutral section.

This restriction is due to power supply limitations.

Dated: 05/01/20

EA1161 - BISHOPS STORTFORD TO ELY NORTH JN

CAMBRIDGE To ELY

Static Changeover for Bi-Mode Units (BMU)

Signage for Class 755

New signage is being introduced; an example is shown for illustrative purposes only. This signage will **only apply** to Class 755 trains. The signage is for Class 755 trains to PAN UP and PAN DOWN will be located alongside Stop Car Marker Boards at each station.

The new signs and their meanings are shown below:

Changing from Electric to Diesel:



This sign warns the driver that there is a traction supply changeover from AC to Diesel.

Changing from Diesel to Electric:



This sign warns the driver that there is a traction supply changeover from Diesel to AC.

This signage has been introduced in the following Locations:

Station Location	ELR	Platform(s)	Direction	Instructions Applied
Ely	BGK	1-3	Both	Diesel mode for trains bound for Bury St Edmunds, Peterborough & Norwich directions (Pantograph Lowered)
Cambridge North	BGK	1	Up	Electric mode for trains bound for Cambridge direction (Pantograph Raised)
Cambridge North	BGK	2	Down	Diesel mode for trains bound for Ely direction (Pantograph Lowered)
Cambridge	BGK	4-8	Down	Diesel mode for trains going north to Bury St Edmunds

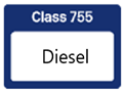
Dated: 10/08/19

EA1161 - BISHOPS STORTFORD TO ELY NORTH JN

ELY NORTH JUNCTION

Dynamic Manual Power Changeover Zone (MPCO)

Dynamic signage to facilitate Diesel/Electric traction changeover between Ely Station and Ely North Junction on up and down mains.

Location	Miles/Chains	Running Lines & Speed restrictions	Direction Travelling	Signalling & Remarks
MPCO Zone Commencement	70m 09ch	Up Main Down Main 	DOWN	MPCO (See General Instructions)
MPCO Zone Commencement	70m 32ch	Up Main Down Main 	DOWN	MPCO (See General Instructions)
MPCO Zone Commencement	71m 09ch	Up Main Down Main 	DOWN	MPCO (See General Instructions)

Dated: 21/01/2024

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EA1161 - BISHOPS STORTFORD TO ELY NORTH JN

ELY

Additional AWS magnets are provided at signals CA274, CA276, CA278, CA281, CA283 and CA285. Each one is normally suppressed when the relevant signal is cleared.

If a Driver is authorised to pass one of these signals at danger, the horn (warning indicator) will sound when the train passes the signal.

If the horn (warning indicator) sounds on any other occasion as a train passes the signal, the train must be stopped immediately and the Driver must contact the Signaller.

EA1162 - ELY NORTH JN TO KINGS LYNN

Kings Lynn Yard

Working of trains to Kings Lynn Goods Yard
Before entering Kings Lynn Goods Yard, the Driver must bring his or her train to a stand at the entry points. The traincrew must then set the hand-points to a siding that is clear for the train.

Dated: 05/08/06

EA1162 - ELY NORTH JN TO KINGS LYNN

Entire Line Of Route

Working of Electric Locomotives and Multiple Units
12 - car trains are not permitted to work north of Milton neutral section.

Electric locomotives with the pantograph raised are not permitted to work north of Milton neutral section.

This restriction is due to power supply limitations.

Dated: 16/01/21

EA1170 - HACKNEY DOWNS NORTH JN TO ENFIELD TOWN

ENFIELD TOWN

Starting Of Trains
During out-of-course working, two minutes before a train is ready to depart, the Driver must operate the “Train Ready to Start” plunger for the platform concerned.

Dated: 05/08/06

EA1180 - READING LANE JN TO NAVARINO ROAD JN (GRAHAM ROAD CURVE)

Entire Line Of Route

Working of D.O.O. empty coaching stock trains

To accommodate the need for empty coaching stock (ECS) movements by ONE railway, between Liverpool Street / Chingford stations / Ilford depot and Hornsey depot on the East Coast main line, authority is given for the operation of Driver only operated (non-passenger) on the Graham Road Curve without the use of the Cab Secure Radio system.

This authority applies to ONE railway operated trains **only**.

Dated: 05/08/06

EA1200 - CLAPTON JUNCTION TO CHINGFORD

CHINGFORD

Starting of trains
The Driver of a train about to depart from the station towards London must operate the “Train Ready to Start” (TRTS) button for the platform concerned not more than two minutes before the train is ready to depart.

For movements from the station to the Carriage Sidings, the Driver must operate the TRTS button, unless it is a movement for which the Driver and Shunter are in radio communication, in which case the TRTS button will be operated by the Shunter.

The Shunter will operate the TRTS button for movements from the sidings and between station platforms.

Dated: 05/08/06

EA1210 - BROXBOURNE JCN TO HERTFORD EAST

HERTFORD EAST

Starting of Trains
During out-of-course working, two minutes before a train is ready to depart, the Driver must operate the “Train Ready to Start” plunger for the platform concerned.

Dated: 05/08/06

EA1220 - STANSTED (SOUTH & NORTH JNS) TO STANSTED AIRPORT

Stansted Airport Tunnel

Stansted Airport Tunnel (1944 yards long) is fitted with lights and telephones as below:

Lights

- Marker Lights every 100 yards permanently illuminated.
- Emergency Lights every 5 yards which can be illuminated by any of the following:
- By the Signaller at Liverpool Street IECC (Harlow workstation)
- Automatically by the activation of the SPAD Indicators for signals L1197, L1202 and L1366.
- In exceptional circumstances, they may be switched on from the glass-fronted box located at each tunnel portal.

Telephones

- Emergency telephones, providing a direct link, connected to Liverpool Street IECC (Harlow workstation), are provided at 100 yard intervals adjacent to the marker lights.
- Telephone plug points giving access to the E.T.D. system are also located every 100 yards adjacent to the marker lights.

Signal Passed At Danger Indicators (SPADIs)
A Signal Passed At Danger Indicator is provided for the signals protecting entrance to the single track section through Stansted Airport Tunnel as follows:

Signal	Location
L1197	Down Airport line; located on the approach to the convergence of double track to single track at Tye Green Junction
L1202/L1366	One S.P.A.D. indicator applicable to both signals; located midway along the convergence of double track to single track at Coopers Lane Junction

As an additional safety measure, these two SPADIs are linked together so that, in the event of a train passing one of the above signals at Danger without authority, the SPADIs at both ends of the single track section will be activated, and also, the tunnel Emergency lights will be illuminated.

Other Instructions
Except in emergency or for patrolling purposes, no one is permitted to enter the tunnel until the line has been blocked and the tunnel Emergency lights have been switched on by the Signaller.

When the work is complete, the person in charge must ensure that all staff are clear of the tunnel before advising the Signaller.

Anyone observing that the tunnel Emergency lights are illuminated must NOT assume that it is safe to enter the tunnel unless the relevant instructions under this “Other Instructions” heading have first been complied with.

For patrolling duties only, before entering the tunnel the patrolman must:-

a) obtain the Signaller’s permission and his assurance that signal protection has been provided; **and**

b) indicate how long is required for the inspection; **and**

c) ask the Signaller to switch on the tunnel Emergency lights and must not enter the tunnel until this has been done.

When his inspection has been completed, and he and any person accompanying him are clear of the tunnel, advise the Signaller.

A walkway at train door height is provided throughout the length of the tunnel and is located on the left hand side in the Down direction (right hand side in the Up direction). The Station Supervisor at Stansted Airport will be advised by the Signaller at Liverpool Street IECC (Harlow workstation) whenever passengers are being evacuated from the tunnel and the Supervisor is responsible for confirming to the Signaller that the tunnel is clear of people.

Tunnel Emergency Lights
Should the Signaller become aware that the tunnel Emergency lights are unexpectedly illuminated, he/she will stop the next train and caution the Driver, telling him to report at the other end of the tunnel.

If a train passes signal L1197, or L1202, or L1366 at Danger without authority, in addition to both Signal Passed At Danger Indicators (SPADI) for these signals being activated, the tunnel Emergency lights will also be illuminated.

Whenever the Signaller is aware that the tunnel Emergency lights are illuminated because of a fault or other exceptional circumstance while it is safe for trains to pass normally through the tunnel, he/she will arrange for the Driver of each train to be advised of this before entering the tunnel.

Drivers advised of this must keep a special lookout for anything unusual while passing over the single line section.

Drivers seeing the tunnel Emergency lights illuminated and having received no previous advice of the fact must stop immediately, advise the Signaller, and not move the train until authorised by the Signaller **even if the tunnel Emergency lights become extinguished**, unless it is absolutely essential to do so for the safety of passengers.

Diesel Traction

Diesel traction must not normally use platforms 1 or 3. If special authority is given by the Station Operator for diesel traction to enter these platforms, Drivers must ensure that engines are shut down immediately after arrival and only restarted when essential to do so prior to departure from Stansted Airport Station.

Note: The above item is necessary because of the presence of smoke detectors at Stansted Airport station (as required by the Sub-Surface Station regulations) which could be actuated by fumes from Diesel engines.

Starting of Trains

For all trains, the “Train Ready to Start” (TRTS) plunger for the platform concerned must be operated not more than two minutes before the train is ready to depart. Platform staff, if available, must operate the TRTS plunger. If platform staff are not available, the Driver must operate the TRTS plunger.

Dated: 04/12/10

EA1230 - ROYSTON TO SHEPRETH BRANCH JN

Entire Line Of Route

The following restrictions to electric traction apply:-

1. Class 89, 90 and 91 locomotives and electric locomotive-hauled/propelled push-pull trains are prohibited.
2. A light class 86 locomotive may run on either the Up or Down line subject to the following restrictions:-
   a) No other class 86 locomotive is on either the opposite or same line
   b) Not more than one 2 x 4-car EMU set is on the opposite line
3. A 2 x 4-car or 3 x 4-car EMU may be run on either the Up or Down line subject to the restriction that not more than one Class 86 locomotive or 2 x 4-car or 3 x 4-car EMU is allowed on the opposite line.

Dated: 16/05/08

EA1230 - ROYSTON TO SHEPRETH BRANCH JN

Entire Line Of Route

The following restrictions to electric traction apply:-

4. Class 89, 90 and 91 locomotives and electric locomotive-hauled/propelled push-pull trains are prohibited.
5. A light class 86 locomotive may run on either the Up or Down line subject to the following restrictions:-
   c) No other class 86 locomotive is on either the opposite or same line
   d) Not more than one 2 x 4-car EMU set is on the opposite line
6. A 2 x 4-car or 3 x 4-car EMU may be run on either the Up or Down line subject to the restriction that not more than one Class 86 locomotive or 2 x 4-car or 3 x 4-car EMU is allowed on the opposite line.

Dated: 16/05/08

EA1270 - KINGS LYNN JN TO MIDDLETON TOWERS

Middleton Towers No.6 LC (TMO) 3m 11ch

The level crossing may be operated by a competent person; on such occasions the driver must stop at the stop board and get an assurance from the competent person that the gates are secured for the passage of the train.

Dated: 07/12/13

EA1280 - STRATFORD CENTRAL JN TO COPPERMILL JN

Orient Way Sidings

Instruction to Drivers
On arrival in the sidings you must work to the Shunters instructions.

Prior to departure the Shunter will direct you toward the sidings outlet signal S708. The Shunter will advise the Signaller when you are standing at signal S708 ready to depart.

Dated: 12/05/08

EA1280 – STRATFORD CENTRAL JN TO COPPERMILL JN

Stratford Station Up Temple Mills Platform 11

Stratford Signal S901 – Down Direction

In association with the extension of Platform 11 at Stratford S901 Signal has been relocated approximately 72 metres (78 yards) towards the country end. S901 Signal is currently located at the London End of the HS1 overbridge and will be moved beyond the same structure.

The neutral section located at 4m 14ch will remain in its current position until relocated at later date. In the meantime, drivers of electric locomotive hauled and EMU trains should be aware that the new distance between S901 Signal and the existing neutral section has been reduced by approximately 72 metres (78 yards).

If you are detained at S901 Signal at danger the proximity of the neutral section should be taken into account when bringing your train to a stand, stopping further from the signal than would normally be the case if deemed necessary.

This is a temporary Local Instruction until the neutral section has been relocated and commissioned.

Dated: 30/08/2022

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EA1310 - CAMDEN ROAD WEST JN TO RICHMOND

Hampstead Heath Tunnel

Owing to restricted clearances in Hampstead Heath Tunnel, passenger trains composed of stock with opening windows (other than those of the “ventilator” type) are prohibited from entering the tunnel, except where special authority is issued.

When authority is granted for passenger trains the following conditions apply:

1) Train running must be published in Special Traffic Notice.
2) To mitigate the risk of limited clearances to passengers while passing through Hampstead Heath Tunnel:
   a) The train must be staffed by a Train Manager and Stewards, who will be briefed by the Train Manager;
   b) Prior to passing through Hampstead Heath Tunnel, an announcement must be made using the public address system to instruct all passengers not to lean out of the windows during the passage of the train through the tunnel. Stewards must pass through all vehicles and repeat the instruction to all passengers

Dated: 05/08/06

EA1310 - CAMDEN ROAD WEST JUNCTION TO RICHMOND

Kensal Green Junction Reversing Siding

Arriving trains

- ECS trains must, if the line is clear as far as the ‘S’ car train stop marker, proceed as far as this ‘S’ car stop marker and stop there. The driver of an ECS train may only pass this marker with the permission of the signaller at Upminster.
- Freight trains must proceed as far as the line is clear towards the buffer stops.
- Before permitting a locomotive or vehicle to be detached in the siding, the driver must advise the signaller how many vehicles are being left there.

Departing trains

Trains ready for departure must not make any movement towards signal NL1041 unless:

- the Driver has a clear view of the signal and can be sure it is displaying a proceed aspect, OR
- the Signaller has given permission for the movement to approach signal NL1041 cautiously and obey the aspect displayed by it.

Dated: 27/02/11

EA1310 - CAMDEN ROAD WEST JUNCTION TO RICHMOND

ACTON CENTRAL

Change of Traction Power Supply

Dual Voltage trains in DC mode on the Up Main line must come to a stand at signal AW102 and ensure that the pantograph is raised for AC working before proceeding towards Acton Wells Junction.

Dual voltage trains in AC mode in the Down Main line must come to a stand at the Richmond end of the Down platform and ensure that the pantograph is lowered for DC working before proceeding towards Richmond.

Dated: 09/06/12

EA1310 - CAMDEN ROAD WEST JN TO RICHMOND

South Acton Jn to Richmond

Provision of Trainstops

Running signals between Turnham Green and Richmond are fitted with Trainstops which will engage with the tripcocks on LUL trains and on class 378 EMU trains. The failure of a Trainstop must be treated as a failure of the associated signal. The Signaller must advise the Driver of each train approaching a signal with a defective Trainstop of the circumstances. The Driver must then approach the affected signal with caution.

If a train is tripped at a signal displaying a proceed aspect, the Driver: must:-

1. treat the signal as being at Danger and advise the Signaller
2. not proceed without first obtaining permission from the Signaller.

The Driver of each following train must be stopped at a signal in rear and advised of the circumstances until the defect is rectified.

This does not apply if a class 378 EMU train is signalled from GB17 signal into platform 3 at Richmond station as this route is not equipped with a fourth rail. All trains equipped with tripcocks will be tripped at GB17 signal if the route is set into platform 3 at Richmond. This is a safeguard against LUL trains being inadvertently signalled over this route.

If a train is tripped other than at a signal fitted with a Trainstop the Driver must reset the trip cock and advise the Signaller. The Signaller must request the Controller to arrange for the trip cock to be examined and if necessary for the line to be examined.

The driver of any train approaching Richmond station on which the tripcock equipment is defective must advise the Signaller at Richmond, stopping the train specially at GB17 signal if necessary, even though that signal may be displaying a proceed aspect.

Failure Of Equipment On LUL Trains

Should the “Deadmans valve” or trip cock be defective on an LUL train the Anglia Integrated Control Centre must be requested to arrange for a competent member of staff to accompany the Driver to assist him in the observance of signals. If a competent member of staff is not available the LUL line controller must be informed and requested to provide a competent member of LUL staff.

Dated: 21/09/13

EA1310 - CAMDEN ROAD WEST JN TO RICHMOND

Gunnersbury Jn to Richmond

Trainstops

Due to the slow operation of trainstops, a dual aspect may momentarily be displayed by the signal concerned. If a dual aspect remains displayed, Drivers must immediately advise the Signaller.

Dated: 05/08/06

EA1310 - CAMDEN ROAD WEST JUNCTION TO RICHMOND

RICHMOND

Staff are warned of the narrow clearances between certain tracks in the station.

Driver’s of Up DOO (NP) trains, must operate the “Train Ready to Start” plungers provided on platforms 3 to 7, immediately prior to booked departure time.
If the train is delayed after its booked departure time, the Driver must immediately telephone the Signaller at Richmond.

If the Train is provided with a Guard, the Guard will carryout the duties of the Driver for train dispatch at Richmond when in Passenger service.

Dated: 05/08/06

EA1310 - CAMDEN ROAD WEST JN TO RICHMOND

Kensal Green Jn to Willesden Suburban Jn

Change of Traction Power Supply - Up and Down New Lines

Dual Voltage trains in DC mode on the Up New line must come to a stand at signal NL1044 and ensure that the pantograph is raised for AC working before proceeding towards Kensal Green Junction.

Dual voltage trains in AC mode on the Down New line must come to a stand at signal WS23 and ensure that the pantograph is lowered for DC working before proceeding towards Willesden Suburban Junction.

Maximum length of trains

Electric trains over the Up New line must not exceed 6 cars in length. In the event of failure of a six-car train on the Up New line, assistance may only be given from the rear and the train must be withdrawn from the section towards Willesden Suburban Junction.

Dated: 27/02/11

EA1320 - CAMDEN ROAD WEST JUNCTION TO STRATFORD

CAMDEN ROAD

Change of Traction Power Supply

Dual voltage trains running in DC mode on the Up Primrose Hill line between Primrose Hill and Camden Road West Junction must come to a stand at signal NL1202 and ensure that the pantograph is raised for AC working before proceeding towards Camden Road West Junction.

Working by Pilotman

In the event of a failure of (certain nominated) track circuits, working by Pilotman will not be necessary on the North London Incline line.

The Rule Book, Module P2 – Working single and bi-directional lines by pilotman, is modified accordingly.

Dated: 01/01/11

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EA1325 - HIGHBURY & ISLINGTON TO NEW CROSS/NEW CROSS GATE (ELL)

Entire Line Of Route

East London Line SCC Contact Details

	External	Internal
Shift Signaller Manager	0203 356 6774	067 66774
Signaller	0203 356 6773	067 66773

Lewisham Electrical Control Room Contact Details

EMERGENCY LINE	GSM-R	INTERNAL NUMBER	EXTERNAL NUMBER	MOBILE (in emergency)
177	1400	00 28400	0208 692 6786	07771 612930

Route Clearance

Before any rolling stock operates on the East London Railway Core Route, approval shall be obtained from the London Overground Engineering Manager.

Dated: 09/11/19

EA1360 - DUDDING HILL JN TO ACTON WELLS JN

Neasden Jn to Acton Canal Wharf

Due to restricted clearances traincrew must not put their heads out of the train while passing over this route.

Owing to restricted clearances along the route and in the vicinity of Bridge No.10 situated between 7 m 50 ch and the 8 milepost, passenger trains composed of stock with opening windows (other than those of the “ventilator” type) are prohibited from traversing this section of track, except where special authority is granted. When authority is granted for passenger trains the following conditions apply:

1. The train running must be published in Special Traffic Notice.
2. The opposite line must be blocked to trains during the passage of the train between Neasden Junction and Acton Canal Wharf.
3. To mitigate the risk of limited clearances to passengers while passing through Bridge No. 10:
   e) All passengers must be advised by public address and in writing not to lean out of windows;
   f) The train must be staffed by a Train Manager and Stewards, who will be briefed by the Train Manager;
   g) Prior to passing over bridge No 10, an announcement must be made using the public address system to instruct all passengers not to lean out of the windows during the passage of the train under the bridge. Stewards must pass through all vehicles and repeat the instruction to all passengers.

Dated: 05/08/06

EA1370 - GOSPEL OAK TO BARKING TILBURY JN WEST

Barking Station Jn. To Barking Station platform 1

In the event of a Train failing at Barking No.1 Platform. Working by Pilotman must be introduced between ‘Barking Station Jn and Barking No.1 Platform’.

Working by Pilotman must be withdrawn when the train is required to assist the failed train in the platform.

Rule Book, Module P2 – Working single and bi-directional lines by pilotman, is modified accordingly.

Dated: 05/08/06

EA1370 - GOSPEL OAK TO BARKING TILBURY JN WEST

BARKING

Due to the capacity of the current feeding arrangement in the Barking area, no more than two electric freight trains per hour can pass through Barking between 0600 – 1000 each day.

This restriction does not affect the running of electric passenger services or non-electric freight.

Dated: 29/09/18

EA1380 - FENCHURCH ST TO SHOEBURYNESS

FENCHURCH STREET

Charter Train Operation
When a charter train is to enter Fenchurch Street Station the following will apply;

- Station Manager, Network Rail Fenchurch Street must be additionally advised and authority obtained
- As necessary provisions must be made to ensure that diesel trains under the canopy at Fenchurch Street do not set off the station alarms.
- The Charter operator must:
  - Provide competent persons to dispatch the train at Fenchurch Street station
  - Agree the method of dispatch with the Station Manager for Fenchurch Street Station
  - Provide a copy of the agreed method statement relating to the dispatch of the charter train from Fenchurch Street Station to the Station Manager for Fenchurch Street Stations in sufficient time to enable onward briefing.
- The train must observe any platform restrictions imposed by the Station Manager for Fenchurch Street station

Dated: 02/08/08

EA1380 - FENCHURCH ST TO SHOEBURYNESS

Bromley-by-Bow Station (LUL) To UPMINSTER

London Underground Limited Electrified Lines
General
Staff are warned to be vigilant when working near the London Underground Limited lines which are electrified by the conductor rail system and run parallel with the London, Tilbury and Southend lines between Bromley and Upminster.

Employees must, in the absence of specific instructions to the contrary, regard all electrified lines as being alive continuously. All concerned are warned that it is dangerous to touch the current rails and that they must at all times keep clear of the current and running rails and avoid touching them with tools, wires or metal gear of any description.

If the permanent way is flooded to such an extent that the water has reached the current rails, employees must be careful not to come in contact with the water until they have ascertained that the current has been switched off.

In the event of an accident, failure, obstruction or other exceptional cause fouling or obstructing the LUL lines, train crews must protect the Network Rail and LUL lines concerned in accordance with the applicable rules.

When, in any emergency, it is necessary from a safety point of view for the LUL traction current to be switched off, the nearest LUL signal telephone must be used to request that the current be switched off. At a station where there are no staff available, the request must be made to the Line Controller by means of the automatic telephone, dialling 104. (If no reply is received within a reasonable time, dial 904). If, however, it would be expedient to use a Network Rail or other lineside telephone, this must be done, care being taken to ensure that it is understood that the request applies to the LUL lines and must be communicated to the LUL Line Controller immediately.

In all cases the person requiring the current to be switched off must give his name and grade, the reporting number or other description of his train, the location from which the current is required to be switched off and the reason to the person to whom the request is made and must wait until an assurance is received from that person that the current has been switched off.

In the case of train crews, where a line or lines other than that on which their train is standing, is obstructed they must ensure that such line or lines is protected in accordance with the rules before telephoning for the current to be switched off.

Detraining of Passengers
If a train is stopped for any reason between Upminster and Bromley Campbell Road and it becomes necessary to detrain passengers, this must not be carried out until an assurance has been received from the Signaller at Upminster IECC that the opposite line is blocked and a LUL representative has arrived to take charge of the passengers and conduct them to the nearest station.

Dated: 05/08/06

EA1380 - FENCHURCH ST TO SHOEBURYNESS

Bromley-by-Bow Station (LUL) To West Ham station

Signal UR139

When approaching signal UR139 at danger, drivers should bring their train to a stand at the triangular 'exclamation mark' board (white with a red border) positioned 158 metres on the approach to signal UR139.

This is intended to prevent electric trains from coming to a stand within the overhead line neutral section in the vicinity of the signal.

Drivers should take care not to bring their train to a stand over the AWS magnet associated with signal UR139.

A telephone is provided at the board to enable drivers to contact the signaller in accordance with Rule Book Module S4.

Dated: 09/05/11

EA1380 - FENCHURCH ST TO SHOEBURYNESS

BARKING

Due to the capacity of the current feeding arrangement in the Barking area, no more than two electric freight trains per hour can pass through Barking between 0600 – 1000 each day.

This restriction does not affect the running of electric passenger services or non-electric freight.

Dated: 29/08/18

EA1380 - FENCHURCH ST TO SHOEBURYNESS

Entire Line Of Route

Rule Book Module SP – Speeds, Clause 2.1

Traincrews and others working over the above routes are reminded that although these lines are signed on the ground as for standard freight/passenger differential, where a differential speed is shown the higher speed only applies to multiple unit stock. Any other category of train must travel at the lower speed.

Dated: 07/12/13

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

CTRL Exchange Sidings, Ripple Lane

Rule Book change boards are provided on the Down and Up Ripple Lane Chords, on the approach to the temporary buffer stops. In each case the Railway Group Standard GE/RT8000 Rule Book (signed as "RT") applies as far as this board.

In each case the CTRL Construction Railway Rule Book (signed as "CCRRB") applies beyond this board.

Dated: 27/11/06

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

Freightliner Depot West End GF To Freightliner Depot East End GF

Barking Freightliner Terminal

An Overheight Vehicle Alarm system is provided at the exits from Barking Freightliner Terminal to warn staff when an out of gauge vehicle leaves the terminal. If the alarm sounds, the Shunter must advise the Signaller at Upminster IECC as soon as possible and arrange for the train to be brought to a stand as quickly as possible.

Dated: 05/08/06

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

Ripple Lane exchange sidings

In the event of the CTRL AC traction current being discharged or isolated on the Down or Up Ripple Lane Chord lines, signalling controls will automatically replace and/or maintain UR823, 825 and 827 signals at danger for a route towards AF095 and AF101.

In these circumstances, if there is a requirement for a non-electric train to proceed towards CTRL infrastructure, the Upminster IECC signaller can authorise the driver to pass the signal at danger in accordance with Rule Book Module S5 Part A Passing Signals at Danger, stating the reason for passing the signal at danger is due to the AC overhead line been isolated.

Rule Book Module S5 Part A Section 1.1 is modified accordingly.

Dated: 20/07/08

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

PURFLEET

Purfleet Long Sidings (PLS) comprises of a single road siding divided into three sections and is provided with a combination of **Signals** and **Stop Await Instructions** boards in both directions.

The three sections are known as:

- **The Spur** - Situated at the London End, is the area between the buffer stops and UR1165 Ground Position Light signal
- **Jurgens Long Siding -** The area between signal UR1166 (London End exit signal) and the Stop Await Instruction Board located immediately London side of hand points leading towards UR1176
- **Velacotts Long Siding –** The area country side the Stop Await Instruction Board located immediately London side of hand points leading towards UR1176 to the country end buffer stops

Where ever possible a Person In Charge must be provided.

The Person in Charge (PIC) of the Long Sidings

Trains scheduled to use the Purfleet Long Siding may have a nominated Person in Charge (PIC), who will take control of all movements to and within the Spur, Jurgens and Velacotts Long Sidings.

The PIC must register with the Signaller when signing on duty before acceptance of any trains. The PIC and Signaller must reach a clear understanding as to the status of the Long Sidings including;

- Whether each part of the Long Siding is clear or occupied, **and**
- If occupied, the details of the train concerned, and its exact location.

And agree the method of communication to be used. The PIC details must be recorded in the Signallers Train Register.

When there is a PIC on duty, the Signaller must receive authority from the PIC before authorising any train or locomotive to occupy the Purfleet Long Siding.

PIC going off duty

Before the Signaller agrees to take over responsibility for the Purfleet Long Sidings, the Signaller and PIC must reach a clear understanding before leaving duty as to the status of the Long Sidings;

- Whether each part of the Long Siding is clear or occupied, **and**
- If occupied, the details of the train concerned, and its exact location, **and**
- An assurance that the any Drivers already on the Long Sidings are aware that the PIC is leaving duty

The Signaller must then record the PIC off duty, and the time in the train register.

The PIC can only sign off duty with no more than one train or locomotive in each part of the Long Siding

When there is no PIC on duty

Before the Signaller can authorise any movement to either the Spur , Jurgens Long Siding or the Velacotts Long Siding, the Signaller must have confirmed the appropriate long siding to be clear. The Signaller must ensure that the Driver of the movement is advised that there is no PIC in charge, and is aware that only the Signaller can authorise movements to pass the **Stop Await Instructions** boards which divides Jurgens and Velacotts Long Siding and await further instructions from the Signaller or a PIC once they arrive on site.

The Jurgens Long Sidings is only permissive for run-round locomotive moves to remove vehicles left on the siding.

Vellacots Long Siding

Any train departing Thames Matex Siding for the Vellacots Long Siding must first obtain authority from the Thameside Signaller. Under all normal circumstances Thames Matex trains destined for the Up Tilbury Main line must depart via UR1176 signal. Permission to depart via the Jurgens Long Siding will only be given by the Signaller in exceptional circumstances.

Thames Board Mills, Deep Wharf and Jurgens Level Crossings

Movements over the above crossings within the Purfleet Long Siding are controlled by Stop Boards with plungers and White Lights.

In the event of a white light not being displayed for a train to proceed over one of these crossings after the plunger has been operated, the Shunter (Driver in absence of Shunter) accompanying the train must contact the Crossing Keeper concerned to find out if it is safe for the train to proceed over the crossing. In the case of Thames Board Mills, it is

possible that there may be no Crossing Keeper on duty, and therefore once the Shunter (Driver in absence of Shunter) has established that this is the case by contacting the Thameside Signaller, and that the barriers are down and that the crossing is clear, the train may proceed cautiously over the crossing. Any failure of the crossing equipment must be reported to the Thameside Signaller as soon as possible.

Once a white light has been displayed for a movement to take place over the crossing, the movement should take place as soon as possible.

If the start of the movement is delayed, the Shunter (Driver in absence of Shunter) must come to a clear understanding with the Crossing Keeper as to whether the original movement is to take place and whenever possible again operate the plunger to illuminate the white light.

Dated: 15/07/17

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

PURFLEET

Signal UR656

Drivers of up electric locomotive-hauled trains, when stopping on the approach to signal UR656, should bring their train to a stand no nearer to the signal than the signal post telephone located at the London end of Purfleet station platform.

This is intended to prevent the locomotive from coming to a stand with pantograph adjacent to the overhead line equipment booster transformer.

Dated: 08/10/11

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

GRAYS

Seabrooks Sidings
The sprung hand points facing to arriving trains in Seabrooks Sidings are provided with ground mounted indicator light which will show a yellow light when the points are in the correct position. If the light is out, Drivers must stop at the points and ensure that the points are fully closed before proceeding.

An Overheight Vehicle Alarm system is provided at the exits from Seabrooks Sidings to warn staff when an out of gauge vehicle leaves the sidings. If the alarm sound s, the Signaller at Upminster IECC must be advised as soon as possible and arrangements made for the train to be brought to a stand a quickly as possible.

Tilbury Rail Container Terminal
The Shunter is in charge of all movements within the Container Terminal and to and from Seabrooks siding. Drivers must not start any movements without permission of the Shunter.

Movements within Tilbury Rail Container Terminal must comply with the “Terminal Local Working Instructions” which have been issued by the Train Operator.

Dated: 05/08/06

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

Tilbury Riverside International Rail Freight Terminal

All movements within the Tilbury Riverside International Railfreight terminal are controlled by the Rail Terminal Operator (RTO).

The RTO will normally be advised by the Signaller at Upminster I.E.C.C. of the train's expected arrival when it is at UR601 Signal. On receiving this advice, the RTO will check that all conditions are met for the train to be accepted safely into the terminal and then open and secure the rail security gates.

When this has been completed, the RTO will press the Acceptance button.

If, after the Acceptance button has been pressed, it is necessary in an emergency to stop an incoming train from entering the sidings, the RTO must:

- Operate the cancel button **and**
- Take any other necessary action so as to stop the train **and**
- Inform the Signaller.

The RTO will advise the Signaller when a train is ready to leave the terminal along with its identity and destination.

Dated: 05/08/06

EA1390 - BARKING TILBURY LINE JN EAST TO PITSEA JN (VIA TILBURY)

Entire Line Of Route

Rule Book Module SP – Speeds, Clause 2.1

Traincrews and others working over the above routes are reminded that although these lines are signed on the ground as for standard freight/passenger differential, where a differential speed is shown the higher speed only applies to multiple unit stock. Any other category of train must travel at the lower speed.

Dated: 07/12/13

EA1410 - UPMINSTER TO WEST THURROCK JN

Entire Line Of Route

Rule Book Module SP – Speeds, Clause 2.1

Traincrews and others working over the above routes are reminded that although these lines are signed on the ground as for standard freight/passenger differential, where a differential speed is shown the higher speed only applies to multiple unit stock. Any other category of train must travel at the lower speed.

Dated: 07/12/13

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EA1430 - EAST SUFFOLK JN TO OULTON BROAD NORTH

DARSHAM

Trains travelling on either line in the Up direction must not pass the STOP Board until the white flashing light appears. If the barriers fail to lower and/or the white light fails to appear, the Driver must advise the Signaller at Saxmundham signalbox and act in accordance with the Signaller's instructions.

Dated: 05/08/06

EA1430 - EAST SUFFOLK JN TO OULTON BROAD NORTH

Entire Line Of Route

Charter Train Operation

When authority is published in accordance with the Sectional Appendix General Instruction for the Operation of Charter trains over the Anglia Route the following conditions will apply;

- The charter train must comply with any timing stipulations at Saxmundham which may be imposed by the Network Rail Operations Manager Ipswich.
- The Locomotive must be equipped with GSM-R radio equipment
- Driver(s) must be competent to use GSM-R radio equipment
- The charter train must not delay booked services
- If the train is to travel over the Sizewell branch the following additional conditions will apply:
    - The charter train must either be held on the Sizewell Branch and/or will not be allowed to stop at Saxmundham, if there is service disruption affecting the East Suffolk line. This will be decided by signalling staff on duty in accordance with instructions issued by the responsible Operations Manager.
    - A competent person must be provided to work the ground frame giving access to and from the Sizewell Branch.
    - Person(s) competent to work Train Crew Operated (TMO) level crossings must accompany the train whilst on the Sizewell branch.
    - The train must not exceed 5mph when approaching any level crossing on the Sizewell branch. All other instructions relating to these crossings must be observed.
    - The train must not proceed beyond the Network Rail boundary at Sizewell.

Dated: 20/10/12

EA1450 - TRIMLEY TO PORT OF FELIXSTOWE NORTH QUAY TERMINAL

PORT OF FELIXSTOWE CENTRAL AND NORTH QUAY TERMINALS

1. The Port of Felixstowe panel operator must advise the signaller at Colchester when taking duty and ascertain the movement of trains.
- The Port of Felixstowe panel operator will advise the signaller at Colchester when leaving duty.
2. The Port of Felixstowe panel operator is responsible for advising Colchester signalbox of trains ready for departure and for entering the description into the train describer. No departing train must be allowed to approach FW9074 signal until the signaller's authority is given.
3. If the over height detector alarm sounds for a departing train then the Port of Felixstowe panel operator must immediately telephone the signaller at Colchester to get the movement stopped as soon as possible.
4. In the event of a complete loss of communications between Colchester signalbox and the North Quay terminal Working by Pilotman in accordance with Rule Book Module P2 must be introduced.

Dated: 29/05/19

EA1470 - NORWICH THORPE JN TO LOWESTOFT

Norwich Crown Point Depot (NCP)

Possession of the Washer Road and Bypass Road for Crown Point depot staff, to work on The Carriage Washer in Crown Point Depot

This method of working is for when staff need to work on the Carriage Washer at Crown Point depot. This clarifies the application of this procedure regarding Rule Book TS1 - Safety of Personal / Handbook 13 - Duties of person in charge of a possession of a siding.

Only an authorised Yard Controller (designated person, DP) will be allowed to take a line block of the washer plant. The Train Operating Company will provide a list of authorised yard controllers, DP's that are trained to undertake these possessions.

When a possession of the Washer Road and Bypass Road is required to allow work on the equipment, the DP will contact the signaller at Crown Point signal box. They will advise the signaller of their name and what work they wish to carry out. The signaller will then check the authorised designated persons list, to see if they are authorised to take the possession.

The Signaller and the DP will complete their relative copies of the Possession of the Washer Plant forms (NRWR 21 SIG & NRWR 21 YC) together, confirming with each other the names, location, contact details. The signaller will also require the protection limits and how long the work will take.

The DP is authorised to block the Washer and Bypass Roads only under this procedure.

The limits of the protection will be from:

Washer Road CP2529B Points to Buffer Stop.

Bypass Road CO2529A Points to Buffer Stops

Once all the details have been confirmed, the signaller will check that the Washer Road and Bypass Roads are clear of trains. They will then place their reminder appliances on the panel, to protect the line.

Once protected, the signaller will authorise the DP to place their stop boards (protection) at the agreed locations. This may be undertaken by another competent person, on behalf of the DP. When this has been confirmed to have been carried out, the signaller will give a time, date, and authority number to the DP and confirm the lines are closed to traffic. The DP may then commence work.

Giving Up possession of the line

When the work has been completed and everyone is clear of the line, and the lines clear and safe to run over, the DP will arrange to remove the protection from the line. The DP will contact the signaller and advise them that this has been carried out and the possession may be withdrawn. The signaller will confirm these instructions with the DP and confirm the Authority number. The signaller will then withdraw the line block of the Washer Road and Bypass Road, giving a time and date of when the possession of the line was given up to the DP.

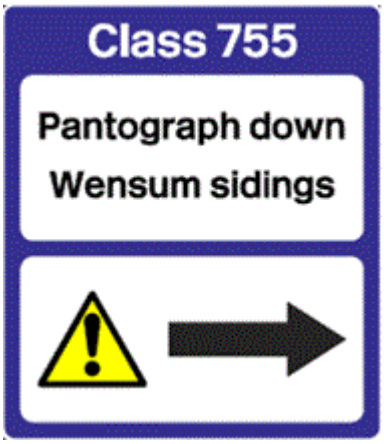
Static Changeover for Bi-Mode Units (BMU)

Signage for Class 755

New signage is being introduced; this signage will only apply to Class 755 trains entering 9-14 Roads, 18-24 Roads & Wensum Sidings. The signage is for Class 755 trains to PAN DOWN within the limits of Norwich Crown Point Maintenance Depot.

The new signs and their meanings are shown below:

Changing from Electric to Diesel:



This sign is located on approach to Ground Frame and warns the driver that there is a traction supply changeover from AC to Diesel.

Note it will be visible on the Wensum curve to non-users of Norwich Crown Point depot



This sign is located at CP2517 Points and warns the driver that there is a traction supply changeover from AC to Diesel.



This sign is located at CP2513 Points and warns the driver that there is a traction supply changeover from AC to Diesel.

Dated: 19/02/22

EA1490 - CROMER TO SHERINGHAM

Entire Line Of Route

Operation of the emergency bypass switch (EBS)

If the Emergency Bypass Switch (EBS) is operated on a unit operating in multiple while the train is on the Cromer - Sheringham line, the Driver must stop at signal TB31 approaching Cromer and advise the Signaller whether or not his train is complete.

Dated: 05/08/06

EA1490 - CROMER TO SHERINGHAM

Entire Line Of Route

Working of trains to/from the North Norfolk Railway at Sheringham

Working by pilotman in accordance with Rule Book Module P2 'Working single and bi-directional lines by pilotman' must be introduced between Cromer and Sheringham to pass a train requiring to proceed to/from the North Norfolk Railway at Sheringham. The pilotman must endorse his RT3154 form 'In connection with: the passage of a train to/from the NNR' and delete both (a) failure of signalling equipment and (b) working of trains to and from the point of obstruction. The Pilotman must accompany the train.

Working of trains to the North Norfolk Railway at Sheringham

The pilotman must confirm with the signaller that the train can be accepted onto the North Norfolk Railway before introducing working by pilotman between Cromer and Sheringham.

When working by pilotman has been introduced, and the pilotman has given the driver the necessary instructions, the signaller must, where possible, clear the signal controlling the entrance to the Cromer to Sheringham single line.

When the train arrives at the stop board at Sheringham, the pilotman must remove the wheel stops on the Network Rail side of the level crossing and tell the North Norfolk Railway person in charge of level crossing (PIC-LC) when this has been done. The PIC-LC will close the level crossing to road traffic and remove the wheel stops on the North Norfolk Railway side of the level crossing and give the driver authority to pass the stop board and proceed onto the North Norfolk Railway.

The pilotman must tell the signaller when the train has arrived complete with tail lamp within the North Norfolk Railway boundary and the wheel stops have been replaced and secured. Working by pilotman may then be withdrawn.

Working of trains from the North Norfolk Railway at Sheringham

When the PIC-LC tells the pilotman that the train is ready to depart and working by pilotman must be introduced between Sheringham and Cromer.

When working by pilotman has been introduced, the pilotman must:

- obtain permission from the signaller to remove the wheel stops on the Network rail side of the level crossing
- arrange with the PIC-LC to close the level crossing to road traffic and remove the wheel stops on the North Norfolk Railway side of the level crossing
- remove the wheel stops on the Network Rail side of the level crossing
- obtain authority from the signaller for the train pass the stop board and proceed onto the Sheringham to Cromer single line

When the level crossing is closed to road traffic and both wheel stops have been removed, the pilotman may authorise the driver to pass the stop board and proceed onto the single line within the Network Rail boundary, clear of the level crossing and stop board.

When the train has arrived complete with tail lamp within the Network Rail boundary the pilotman must:

- replace and secure the wheel stops on the Network Rail side of the level crossing
- inform the signaller that the train has arrived complete with tail lamp within the Network Rail boundary, the wheel stops have been replaced and secured and that the train is ready to proceed towards Cromer

The pilotman may then authorise the driver to proceed towards Cromer.

When the train has arrived complete with tail lamp at Cromer, working by pilotman must be withdrawn.

Sheringham

TPWS Indicator

A TPWS lineside status indicator is provided at the stop board protecting the North Norfolk Railway. The indicator comprises one blue light within a black background, labelled 'TPWS', located beneath the stop board.

When the TPWS equipment at the stop board is working normally, the blue light will be lit.

When the TPWS equipment at the stop board is defective, the indicator will be unlit.

The driver or person controlling any movement must report the fault to the signaller.

Dated: 19/03/11

EA1520 - SAXMUNDHAM JN TO SIZEWELL

Working of the single line between Saxmundham Junction and Sizewell Sidings

The single line section between Saxmundham Junction and Sizewell Sidings is worked in accordance with Module TW1, Section 32 'Single lines worked with a token or with or without a train staff' as modified below:

The train staff for the single line section must be kept either in the signal box at Saxmundham or in the designated locked cabinet at Sizewell Sidings (the cabinet at Sizewell Sidings can be opened with a driver's No.1 key).

The train staff consists of:

- the train staff itself (inscribed: 'Saxmundham Junction/Sizewell – Train Staff')
- two detachable segments (inscribed *either*: 'Saxmundham Junction/Sizewell – Segment 1 of 2 and train staff' *or* 'Saxmundham Junction/Sizewell – Segment 2 of 2 and train staff')

A segment of the train staff must be detached and used when the next train is required to pass through the single line section in the same direction.

The train staff (and any remaining segments) must be used when the next train is required to pass through the single line section in the opposite direction.

A segment of the train staff may only be used when the train staff itself is present at that end of the single line section.

The signaller at Saxmundham must determine whether the train staff or a segment of the train staff is to be conveyed by the driver, to make sure that the train staff itself is at the appropriate end of the single line section for the next planned train movement.

Use of a divisible train staff enables up to three trains to pass through the single line section in the same direction when the following procedure is applied:

Down direction train movements from Saxmundham Junction to Sizewell Sidings – Obtaining and delivering the train staff (or segment)

The driver will receive the train staff (or segment) from the signaller at Saxmundham and obtain permission to enter the single line section.

The driver must make sure the train staff itself is present at Saxmundham, when receiving a segment of the train staff only.

When the train has arrived, complete with tail lamp and is clear of the 'end of token section' board at Sizewell Sidings, the driver must:

- unlock the designated cabinet and place the train staff (or segment) inside
- attach the train staff (or segment) to any segment(s) already in the cabinet
- close and re-lock the cabinet
- tell the signaller at Saxmundham that the train has arrived, complete with tail lamp and is clear of the 'end of token section' board at Sizewell Sidings and the train staff (or segment) has been delivered to the cabinet

Up direction train movements from Sizewell Sidings to Saxmundham Junction – Obtaining and delivering the train staff (or segment)

When a train is ready to depart from Sizewell Sidings, the driver must contact the signaller at Saxmundham and request:

- permission to obtain the train staff (or segment)
- permission to enter the single line section

When the signaller at Saxmundham gives the driver permission to obtain the train staff itself, the driver must:

- unlock the designated cabinet
- obtain the train staff
- close and re-lock the cabinet

When the signaller at Saxmundham gives the driver permission to obtain a segment of the train staff only, the driver must:

- unlock the designated cabinet
- make sure the train staff is present
- detach a segment from the train staff
- confirm to the signaller which segment is being detached
- return the train staff (and any remaining segment) to the cabinet
- close and re-lock the cabinet

When the train has arrived, complete with tail lamp and is clear of the 'end of token section' board at Saxmundham Junction, the driver must deliver the train staff (or segment) to the signaller at Saxmundham.

Dated: 07/12/13

EA1530 - COLDHAM LANE JN TO HAUGHLEY JN

NEWMARKET

Multiple unit trains terminating at Newmarket station are authorised to return to the signalbox in rear. When a Down train, having terminated at Newmarket station is ready to leave in the Up direction, the Driver must, before departure, telephone the Signaller at Chippenham Jn. Accordingly.

Dated: 05/08/06

EA1540 - CHIPPENHAM JN TO ELY DOCK JN

Chippenham Jn To Ely Dock Jn

Newmarket Bridge level crossing (at 11m 75ch between Chippenham Jn and Ely Dock Jn) is a private user crossing and the gates are padlocked shut. The authorised user is the Middle Fen & Mere Internal Drainage Board and they will contact the Shift Signaller Manager at Cambridge to use the crossing.

Network Rail Operations staff will unlock the crossing only when it needs to be used by road vehicles. Network Rail Operations staff will, before opening the gates to road traffic, obtain permission from the Shift Signaller Manager at Cambridge.

Dated: 07/06/08

EA1560 - ELY NORTH JN TO PETERBOROUGH

March South SB (MS)

Movements into the Up Yard.
When the signal is cleared for a train to set back from the Up Main line to the Up Sidings, or a movement is authorised from the Up Main line to the Up Reception line, the Driver is authorised to commence the setting back movement and the provisions of Rule Book, Module SS2, Section 4, Clause 4.1 is modified accordingly. The Driver must proceed cautiously, keeping a sharp lookout and be prepared to act on a handsignal when the Guard or Shunter comes into view.

To assist drivers in setting back into March Up Yard, boards for 20, 30, 40, 50, 60 and 70 SLUs are positioned adjacent to the Up Main line.

Dated: 05/08/06

EA1560 - ELY NORTH JN TO PETERBOROUGH

Eastlea WILD

Wheel impact load detector (WILD) equipment is installed on both lines in the Eastrea area at 93m 60ch.
The purpose of this equipment is to minimise the possibility of damage to track caused by wheel defects or overloaded vehicles and to provide details of all trains with wheel loads outside acceptable limits.
It measures train / vehicle wheel loads and impact forces and is programmed to alert Anglia Route Control when Alarm levels are generated.
The Network Rail Train Running Controller (Freight) must action the alarms generated by advising the Signaller(s) concerned that trains are to be brought to a stand using the normal signal sequence and further action will depend upon the level of alarm generated.

Dated: 29/07/18

EA1560 - ELY NORTH JN TO PETERBOROUGH

Harts Drove LC (R/G)

After moving towards signal W23 at Danger, for shunting purposes, Down trains must be set back behind signal W25 before proceeding into the section towards King's Dyke.

Dated: 25/10/08

EA1560 - ELY NORTH JN TO PETERBOROUGH

March East Jn

Trains detained on Down Goods lines Nos. 1 and 2
Drivers of trains detained on these lines between March South Jn. and March East Jn. may contact the Signaller at March East Jn. by means of the telephone on the wall of the Goods Shed, adjacent to Down Goods line Nos. 1 and 2.

Dated: 19/11/07

EA1570 - MARCH (EAST & WEST JN S) TO WISBECH

Whitemoor Yard

On arrival in the yard, the train will be met by a Shunter. The Driver must work to the Shunters instructions.

Dated: 19/11/07

EA1570 - MARCH (EAST & WEST JN S) TO WISBECH

Entire Line Of Route

Wisbech Branch

The Wisbech Branch is temporarily out of use from 86m 18ch to Wisbech.

Dated: 27/09/08

EA1580 - ELY NORTH JN TO TROWSE JN

THETFORD

Trains composed of slam door stock must not call at Thetford Down platform unless authorised. When authority is given f the following conditions will apply

- Authority is published in accordance with the Sectional appendix General Instruction for the 'Operation of Charter trains over the Anglia Route'.
- The train must be provided with central door locking system
- The central door locking system must be working
- Train doors must not be released until train is at a stand in the platform
- Train must stop clear of area of limited clearance at Up end of platform
- If there is failure of the train central locking system:
    - The train Conductor must make announcement(s) on the public address system warning passengers not to open the train doors until the train has come to a complete stand in the platform and
    - Train Stewards must be instructed to pass through the train reminding passengers that the train doors must not be opened until the train has come to a complete stand in the platform

Dated: 02/08/08

EA1580 - ELY NORTH JN TO TROWSE JN

WYMONDHAM

Trains to the Mid Norfolk Railway from Network Rail
Before a train is allowed to enter the Dereham Branch Mid Norfolk Railway, you must ensure that the Mid Norfolk Railway (MNR) Duty Responsible Officer (DRO) is present at EN8221 signal.

The MNR DRO is to contact the Cambridge PSB, Thetford Workstation Signaller and confirm that a suitable overlap is available and on the signallers instruction operate the Shunters Release Switch, to allow EN8236 signal to clear.

The Dereham Branch Mid Norfolk Railway 'Release' will be automatically cancelled after one train movement, or if the Cambridge PSB, Thetford Workstation Signaller cancels the route to the Dereham Branch Mid Norfolk Railway, another 'Release' will need to be obtained, if required.

In the event of an assisting locomotive being required to go onto the MNR, the MNR DRO is to contact the Cambridge PSB, Thetford Workstation Signaller to confirm the arrangements for assistance.

Trains to Network Rail from the Mid Norfolk Railway
Before any train departs from Dereham Branch, Mid Norfolk Railway, you will contact the Cambridge PSB, Thetford Workstation Signaller on the signal post telephone at EN8221 signal, on the single line for instructions. The MNR DRO will accompany the train from EN8221 signal as far as Wymondham Station, Down Platform No1.

If a propelling movement is required from Dereham Branch, Mid Norfolk Railway, onto Network Rail Infrastructure. EN8221 signal will revert to danger upon occupation of ALF(X) Axle Counter Section. LAST WHEEL REPLACEMENT is not provided on EN8221 signal.

Dated: 03/12/12

EA1580 - ELY NORTH JN TO TROWSE JN

Hethersett GF

Hethersett - Oil Terminal Ground Frame
When not in use the points for this Ground Frame must be secured by a padlocked point clip, a scotch (screwed to the sleeper or otherwise secured) and a fishplate secured to the sleeper by two screws/fang bolts.
The sidings are not to be used without the authority of the Anglia Route Operations Manager.

Dated: 27/09/08

EA1580 - ELY NORTH JN TO TROWSE JN

Entire Line Of Route

Movement of A.C. Electric Locomotives And Multiple Units Between Ely North Jn. and Trowse Jn.
All classes of A.C. Electric locomotives and multiple units (except those listed below) are prohibited in both directions of travel between Ely North Jn. and Trowse Jn.

Class	Restrictions
Class 86/2	20 m.p.h. at 93m 63ch (Bridge 1603) on the Up line only
Class 90	The authorised speed is as required by The Rule Book Module SP
The above units may only travel with pantograph lowered.	

Dated: 07/12/13