

Cheshire Lines Railway.

Operating from JUNE 23rd, 1935.

MANCHESTER CENTRAL NEW SIGNALLING

NOTICE TO ENGINEMEN, GUARDS, AND
STAFF AT MANCHESTER.

The instructions contained in this circular must
be carefully read and observed by all concerned.

G. LEEDAM,
Acting Manager.

CENTRAL STATION, LIVERPOOL.
May, 1935.

SIGNALLING RECORD SOCIETY

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CHESHIRE LINES RAILWAY.

MANCHESTER (CENTRAL) NEW SIGNALLING.

During Sunday, June 23rd, the following new signalling will be brought into use :—

The whole of the existing signalling from Manchester (Central) station to Viaduct signal box will be abolished, together with “ B,” “ A,” G.N. Junction, and Viaduct signal boxes.

New colour light signalling will be installed throughout this area and controlled from a new cabin, erected over the lines leading to Nos. 5, 6 and 7, which will be known as Manchester (Central).

At Cornbrook West Junction the Up “ A ” line and Up “ B ” line starting signals will also be replaced by colour light signals.

Track circuiting has been installed on the four running lines between Manchester (Central) and Cornbrook West Junction.

At Manchester all points will be electrically operated from the new cabin and controlled by track circuits, with the exception of the crossovers between the platform lines which are operated by ground levers with release control from the new cabin.

Manchester (Central) Yard, including the platform lines, but excepting the middle roads, is track circuited throughout.

The new signalling is shewn on the attached plan. All new signals are marked with reference No. and a full description of each is given in this circular.

Route Indicators.

Route indicators are provided for the information of Drivers and others. The indications on the outgoing and incoming signal gantries are visible from both sides. Under no circumstances must a movement be made when a route indication is shown unless the running signal or shunt signal concerned is "off."

Route indicators applicable to platform lines show the number of the platform signalled—

e.g. 4 to No. 4 platform.

5 to No. 5 platform.

etc., etc.

Other route indications have the following meanings :—

A ... to " A " Road.

B ... to " B " Road.

C ... to " C " Road.

D ... to " D " Road.

G ... to Goods.

DA ... to Down " A " line.

UA ... to Up " A " Line.

DB ... to Down " B " Line.

UB ... to Up " B " Line.

M ... to Middle.

DG ... to Deansgate Goods.

CG ... to Central Goods.

The connection from " D " road direct to turntable road has been abolished.

Colour Light Signals.

Each colour light signal bears a distinguishing letter and No. The letter " M " denotes that the signal is controlled from Manchester Central box, and the letter " C " denotes that the signal is controlled from Cornbrook West Junction box.

Telephones.

Telephones for use of engine-men are provided at the following signals :—

Up " A " Outer Home (M.119)	} giving communication with Manchester Central cabin.
Up " B " Outer Home (M.128)	

Down " A " Outer Home (C.87)	} giving communication with Cornbrook West Junction cabin.
Down " B " Outer Home (C.78)	

Rule 55.

Rule 55 is exempt at all the colour light signals, and at Cornbrook West Junction Down " A " and Down " B " Inner Home signals. Diamond signs are fixed on these posts.

DESCRIPTION OF SIGNALS SHOWN ON THE PLAN.

NOTE.—The following abbreviations are used in connection with colour light signal indications :—

R Red.	S Shunt.
Y Yellow.	C Calling-on.
G Green.	

Reference No.	Type of Signal.	Name and Application.	Remarks.
1	2-aspect Colour light R.G.	No. 1 Platform starter ...	Route indicator works with this signal.
2	2-aspect Colour light R.G.	No. 2 Platform starter ...	Route indicator works with this signal.
2/12	2-aspect Colour light R.G.	Repeater for No. 2 or or No. 12	—
3	2-aspect Colour light R.G.	No. 3 Platform starter ...	Route indicator works with this signal.
4	2-aspect Colour light R.G.	No. 4 Platform starter ...	Route indicator works with this signal.
5	2-aspect Colour light R.G.	No. 5 Platform starter ...	Route indicator works with this signal.
6	2-aspect Colour light R.G.	No. 6 Platform starter	Route indicator works with this signal.
7	2-aspect Colour light R.G.	No. 7 Platform starter ...	—
8	2-aspect Colour light R.G.	No. 8 Platform starter ...	—
8/18	2-aspect Colour light R.G.	Repeater for No. 8 or No. 18	—
9	2-aspect Colour light R.G.	No. 9 Platform starter ...	—
9/19	2-aspect Colour light R.G.	Repeater for No. 9 or No. 19	—

Reference No.	Type of Signal.	Name and Application.	Remarks.
11	Colour light G.S.	No. 1 Platform shunt ...	Normal indication — No light. When “ off ”—small green light and letter “ S.” Route indicator works with this signal.
12	Colour light G.S.	No. 2 Platform shunt ...	Normal indication — No light. When “ off ”—small green light and letter “ S.” Route indicator works with this signal.
2/12	2-aspect Colour light R.G.	Repeater for No. 2 or No. 12	—
13	Colour light G.S.	No. 3 Platform shunt ...	Normal indication — No light. When “ off ”—small green light and letter “ S.” Route indicator works with this signal.
14	Colour light G.S.	No. 4 Platform shunt ...	Normal indication — No light. When “ off ”—small green light and letter “ S.” Route indicator works with this signal.
15	Colour light G.S.	No. 5 Platform shunt ...	Normal indication — No light. When “ off ”—small green light and letter “ S.” Route indicator works with this signal.
16	Colour light G.S.	No. 6 Platform shunt ...	Normal indication — No light. When “ off ”—small green light and letter “ S.” Route indicator works with this signal.
17	Colour light G.S.G.	No. 7 Platform shunt ...	Normal indication — No light. When “ off ”—a small green light will show above or below the letter “ S.” Top green to left ; bottom green to right.

Reference No.	Type of Signal.	Name and Application.	Remarks.
18	Colour light G.S.G.	No. 8 Platform shunt ...	Normal indication — No light. When “ off ” a small green light will show above or below the letter “ S.” The Top green to left ; bottom green to right.
8/18	2-aspect Colour light R.G.	Repeater for No. 8 or No. 18	—
19	Colour light G.S.G.	No. 9 Platform shunt ...	Normal indication — No light. When “ off ” a small green light will show above or below the letter “ S.” Top green to left ; bottom green to right.
9/19	2-aspect Colour light R.G.	Repeater for No. 9 or No. 19	—
20	Ground signal Colour light G.R.G.	“ A ” Road shunt ...	Normal indication—Red. When “ off ” a green light will show above or below the red. Top green to left ; bottom green to right.
21	Ground signal Colour light G.R.G.	“ B ” Road shunt ...	Normal indication—Red. When “ off ” a green light will show above or below the red. Top green to left ; bottom green to right.
22	Ground signal Colour light G.R.G.	“ C ” Road shunt ...	Normal indication—Red. When “ off ” a green light will show above or below the red. Top green to left ; bottom green to right.
23	Ground signal Colour light G.R.G.	“ D ” Road shunt ...	Normal indication—Red. When “ off ” a green light will show above or below the red. Top green to left ; bottom green to right.
33	2-aspect Colour light R.G.	Turntable to Down “ A ”	—
35	Colour light G.S.	Shunt Goods to Traps ...	Normal indication — No light. When “ off,” small green light, and letter “ S.”

Reference No.	Type of Signal.	Name and Application.	Remarks.
36	2-aspect Colour light R.G.	Departure Goods to Main	—
37	Colour light G.S.	Shunt Goods to Main ...	Normal indication — No light. When “ off,” small green light, and letter “ S.”
38	Ground signal G.R.G.	Set back Traps to Goods	Normal indication—Red. When “ off ” a green light will show above or below the red. Top green to left ; bottom green to right.
41	Colour light on out-going signal gantry. G.S.	Directing shunt Down “ A ”	Normal indication — No light. When “ off ” small green light and letter “ S.” Route indicator works with this signal.
42	3-aspect Colour light on out-going signal gantry. R.Y.G.	Down “ A ” directing ...	Route indicator works with this signal.
43	3-aspect Colour light R.Y.G.	Down “ A ” starter ...	—
44	Colour light on out-going signal gantry. G.R.G.	Directing shunt Up “ A ” to Down “ A ” or Middle	Normal indication—Red. When “ off ” a green light will show above or below the red. Top green to left ; bottom green to right.
45	3-aspect R.Y.G.	Deansgate departure ...	Fireman’s plunger at signal post to operate indicator in signal box shewing “ Train waiting at signal”—No acknowledgment given.
46	Colour light on out-going signal gantry. G.S.	Down directing shunt, Middle.	Normal indication — No light. When “ off ” small green light and letter “ S.” Route indicator works with this signal.
47	3-aspect Colour light on out-going signal gantry. R.Y.G.	Directing Middle to Down “ B ”	Route indicator works with this signal.

Reference No.	Type of Signal.	Name and Application.	Remarks.
48	Colour light on out-going signal gantry. G.S.	Directing shunt Down "B"	Normal indication — No light. When "off," small green light and letter "S."
49	3-aspect Colour light on out-going signal gantry. R.Y.G.	Down "B" directing ...	—
50	3-aspect Colour light R.Y.G.	Down "B" starting ...	—
51	Colour light G.S.	Down "B" shunt ...	Normal indication — No light. When "off," small green light and letter "S."
74	Ground signal Colour light G.R.G.	Set back "B" to No. 1 or 2 or 3 Platform.	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
75	Ground signal Colour light G.R.G.	Set back Middle to No. 1 or "A" or 2 or 3 or "B" or 4 or 5 Platform	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
76	Ground signal Colour light G.R.G.	Set back Up "A" to No. 4 or 5 Platform	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
77	Ground signal Colour light G.R.G.	Set back "A" to No. 5 or "C" or 6 or 7 Platform	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
78	Ground signal Colour light G.R.G.	Set back "A" to No. 6 or 7 Platform	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.

Reference No.	Type of Signal.	Name and Application.	Remarks.
79	Ground signal Colour light G.R.G.	Set back Down "A" to No. 8 or "D" or 9 Platform	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
80	Ground signal Colour light G.R.G.	Set back Down "A" to turntable or to 77 or 79 ground signal	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
81	Ground signal Colour light G.R.G.	Set back Down "A" to 80 or 75 ground signal	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
108	Ground signal Colour light R.G.	Set back Down "A" to Yard	—
109	Ground signal Colour light R.G.	Down "A" to Up "A" Crossing	—
110	Ground signal Colour light R.G.	Up "A" to Down "A" Crossing	—
111	Colour light on incoming signal gantry. R.S.G.	Up Directing Shunt Middle Road	Route indicator and letter "S" works with this signal.
112	2-aspect Colour light R.G.	Outlet from Middle Road	Route indicator works with this signal.
116	Colour light on incoming signal gantry. Y.C.	Up "A" line Calling-on ...	Normal indication — No light. When "off," small yellow light and letter "C." Route indicator works with this signal.
117	2-aspect Colour light on incoming signal gantry. R.G.	Up "A" line Directing home	Route indicator works with this signal.

Reference No.	Type of Signal.	Name and Application.	Remarks.
118	3-aspect Colour light R.Y.G.	Up "A" line home ...	Will display yellow aspect when No. 117 is in "on" position with No. 116 calling on "off" on incoming signal gantry.
119	3-aspect Colour light R.Y.G.	Up "A" line Outer home	Telephone.
120	Ground signal Colour light R.G.	Up "B" to Down "B" Crossing	—
121	Ground signal Colour light R.G.	Set back Down "B" ...	—
122	Ground signal Colour light G.R.G.	Set back Down "B" or to Down "A"	Normal indication—Red. When "off," a green light will show above or below the red. Top green to left; bottom green to right.
123	Ground signal Colour light R.G.	Set back Down "B" to Deansgate or C.L. Goods or Down "B."	Route indicator works with this signal.
124	2-aspect Colour light. Left-hand bracket on post of Up "B" Main home. R.G.	Up "B" home to Deansgate Yard	—
125	Colour light on incoming signal gantry. Y.C.	Up "B" line Calling-on...	Normal indication — No light. When "off," small yellow light with letter "C." Route indicator works with this signal.
126	2-aspect Colour light on incoming signal gantry. R.G.	Up "B" line Directing home	Route indicator works with this signal.
127	3-aspect Colour light R.Y.G.	Up "B" line home ...	Will display yellow aspect when No. 126 is in "on" position with No. 125 calling-on "off" on incoming signal gantry. Route indicator works with this signal.
128	3-aspect Colour light R.Y.G.	Up "B" line Outer home	Telephone.

CORNBROOK WEST JUNCTION.

Reference No.	Type of Signal.	Name and Application.	Remarks.
14	3-aspect Colour light R.Y.G.	Up " A " line starter ...	—
22	3-aspect Colour light R.Y.G.	Up " B " line starter ...	---
87	3-aspect Colour light R.Y.G.	Down " A " line Outer home	Telephone.
78	3-aspect Colour light R.Y.G.	Down " B " line Outer home	Telephone.

CHESHIRE LINES RAILWAY

MANCHESTER CENTRAL

SIGNALLING ARRANGEMENTS

