

19-07401 GWR Reading CIS Works – Design Statement

1. Name of Design Organisation

Trans Data Management Ltd
12 Raleigh Court
Priestley Way
Crawley
West Sussex
RH10 9PD

2. Title of Scheme

Reading Station CIS Works
Project No. 19-07401

3. Brief description of scheme for which approval is requested

Great Western Railway (GWR) has requested the installation of 6 no. Infotec FM55 Customer Information System (CIS) displays, replacing the 3 no. existing Infotec P1085 CIS Displays mounted to the wall at the Platform 7 entrance/exit to Reading station. In addition, the installation of 2 no. Infotec FM55 CIS displays to replace the 3 no. Infotec P1085 CIS displays mounted above the Ticket Vending Machines on Platform 7.

3.1. Scope of Works

- Recovery of 3 no. Infotec P1085 CIS displays from the party wall with the Three Guineas pub, adjacent to the gate line on Platform 7 and entrance/exit to Station Hill.
- Relocation of 2 no. Penton MCS20T/ENC Public Address (PA) loudspeakers on the party wall with the Three Guineas pub, to accommodate the new CIS displays.
- Installation of 6 no. Infotec FM55 CIS displays to the party wall with the Three Guineas pub.
- Recovery of 3 no. Infotec P1085 CIS displays from the “goal post” metal structure above the Ticket Vending Machines (TVMs) adjacent to the gate line on Platform 7 and entrance/exit to Station Hill.
- Installation of 2 no. Infotec FM55 CIS displays to the “goal post” metal structure above the TVMs.

4. Name of sponsor within Great Western Railway

Paul Higgins
Project Advisor - Transformation Team
Great Western Railway

Paul.Higgins@GWR.com
07788 178877

5. Proposed date of implementation

Commencement of the works is scheduled for June 2019.

6. Description of proposed works

The proposed works are to recover 6 no. existing P1085 displays and install 8 no. free-issued Infotec FM55 CIS displays at Reading Station, 6 no. to be mounted on the wall adjacent to the western gate line on the Paid side as a main board and 2 no. to be mounted to the “goal post” metal structure above the TVMs on the unpaid side of the western gate line.

Please refer to the following drawings:

Site Plan	19-07401_GWR_RDG_SP.pdf
Equipment Layout	19-07401_GWR_RDG_SL.pdf

6.1. Western Gate Line – Paid Side

It is proposed to remove the existing 2no. Infotec P1085 42” LED summary boards and 1no. Infotec P1016 42” LED Next Fastest Train displays from the wall adjacent to the western gate line on the paid side. Please refer to photo montage [19-07401_GWR_RDG_PM_1](#) for the existing layout.

6 no. Infotec FM55 CIS displays are proposed to replace the existing displays and shall be split into 2 no. displays configured as Summary of Departures (SoD) and 4 no. displays configured as A-Z, a gap of 50mm between the SoD displays and A-Z displays shall distinguish between the two (2) types of display. Please refer to photo montage [19-07401_GWR_RDG_PM_2](#) for the new layout.

The existing display data feed shall be re-used to supply the first display which shall then be daisy chained to the adjacent display.

To provide enough space for the displays on the wall it will be necessary to move the existing PA speakers outward on the wall, LS-CO1-A9/H-020 shall be moved approximately 0.7m to the right and LS-CO1-A9/H-021 approximately 1.7m to the left.

6.2. Western Gate Line – Unpaid Side

It is proposed to remove the existing 2 no. Infotec P1085 42” LED summary displays and 1 no. Infotec P1016 42” LED Next Fastest Train displays from the gantry above the TVMs on the unpaid side of the western gate line. Please refer to photo montage [19-07401_GWR_RDG_PM_3](#) for the existing layout.

2 no. Infotec FM55 CIS displays are proposed to replace the existing displays; please refer to photo montage [19-07401_GWR_RDG_PM_4](#) for the new layout.

Bracketry provided by the manufacturer, Infotec, shall be used to convert the three (3) display mounting to two (2) display mounting.

6.3. Containment

Pre-existing cable containment (conduit, trunking) will be utilised for the new cabling to be provided for the replacement CIS displays.

6.4. Cabling

New cabling will be installed to feed data and power to the new displays and this new cabling will be installed within existing cable containment.

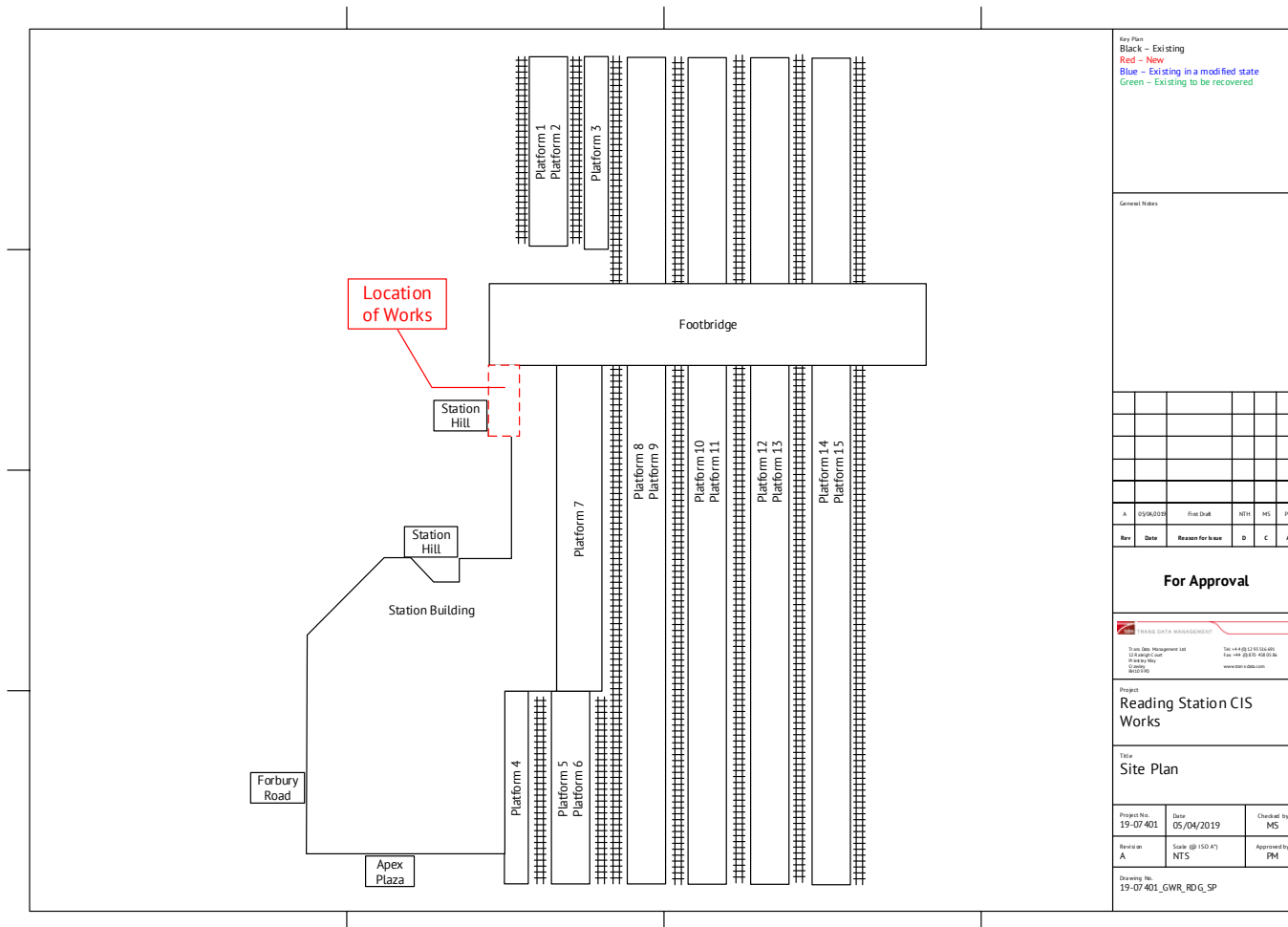
6.5. Equipment Mounting

The 6 no. new CIS displays to be mounted to the party wall with the Three Guineas pub will be mounted using wall brackets. The wall will be drilled and M12 threaded rod will be fixed to the masonry using chemical mortar – 6 no. fixings will be required per bracket. The display bracket will be fixed to the previously-prepared threaded rod using washers and nyloc nuts.

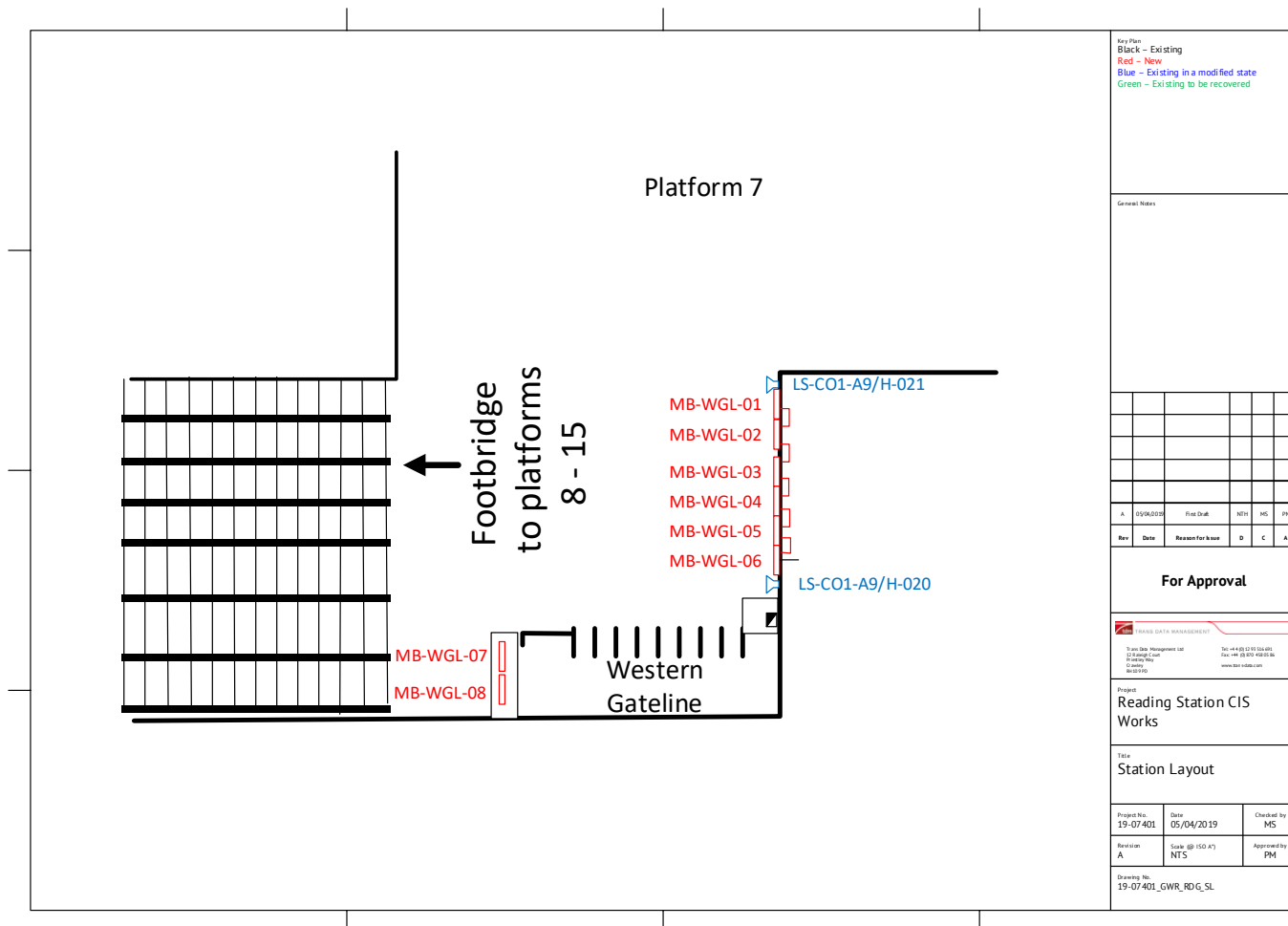
The 2 no. new displays to be mounted to the “goal post” structure will be fixed to an adapter plate using fixings supplied by the equipment manufacturer.

7. Drawings/Photographs

7.1. Site Plan



7.2. Equipment Layout



7.3. Photo Montage – Three Guineas Party Wall – Before Works



Key Plan
Black - Existing
Red - New
Blue - Existing in a modified state
Green - Existing to be recovered

General Notes

Rev	Date	Revised For Issue	ID	C	A
A	05/04/2019	First Draft	NTS	MS	PM

For Approval

TRANS DATA MANAGEMENT
Trans Data Management Ltd
125 Kingsway, London
EC2A 4DF, UK
Tel: +44 (0) 20 7555 4000
Fax: +44 (0) 20 7555 4001
www.tdm.co.uk

Project:
Reading Station CIS Works

Title:
Wall - Photo Before Works

Project No.	Date	Checked by
19-07401	05/04/2019	MS

Revision	Scale	Approved by
A	1:100 (A7)	PM

Drawing No:
19-07401_GWR_RDG_PM_1

[illegible]

[illegible]

7.6. Photo Montage – Metal “Goal Post” Structure – After Works



Key Plan
Black – Existing
Red – New
Blue – Existing in a modified state
Green – Existing to be recovered

General Notes

Rev	Date	Reason for Issue	D	C	A
A	05/04/2019	First Draft	MS	MS	PM

For Approval

TRAVIS DATA MANAGEMENT
Travis Data Management Ltd
12 Lough Road
19 and 20, New
12, Newbury
RG10 0BQ

Project:
Reading Station CIS Works

Title:
Goal Post – Photo After Works

Project No.	Date	Checked by
19-07-401	05/04/2019	MS

Revision	Scale	Approved by
A	1:1 (ISO A7)	PM

Drawing No:
19-07-401_GWR_RDG_PM_4