



# Bromsgrove Corridor Resignalling

## Client

Network Rail

## Timescale

Nov 2014 – Dec 2016

## Disciplines

Telecoms



## Services Utilised

- Installation
- Test
- Commission
- Entry Into Service

## Customer Objective

To successfully provide improved headways and immunisation for the forthcoming 25kV overhead electrification between Barnt Green and the new Bromsgrove Station.

## Project Overview

Working on behalf of Network Rail, Linbrooke were selected to transfer control of Blackwell, Bromsgrove and Stoke Works interlockings from Gloucester PSB to the West Midlands Signalling Centre (WMSC) on a Visual Display Unit (VDU) based system.

Aiming to prevent the life expiry of current equipment, this further included the renewal of the signalling equipment with modern equivalent forms between Stoke Works, Spetchley, Eckington and Abbotswold interlockings.



*“A fantastic result from a real team effort. Well done and thanks to all involved!”*

– Kevin Robertshaw, IP Signalling Programme Director, Network Rail

## Linbrooke Project Scope

Rationalising the track layout at the new Bromsgrove Station to accommodate turnback facilities and enable the provision of a new station building, Linbrooke provided GRIP 5-8 of all telecoms related works, which included:

### Entry Into Service (EIS) of:

- A centralised Cisco Unified Communications Manager (CUCM) with IP connectivity provided by Fixed Telecoms

Network (FTNX) infrastructure to trackside Cisco IE2000 Ethernet switches

(via a Cisco ASR903 aggregate layer)

- 3 new IP Trade HMIs for Kings Norton, Bromsgrove and the SSM
- 66 new Voice over Internet Protocol (VoIP) telephone circuits
- 3 PETS systems and associated Text Alarm Display Unit (TADU)
- 7 user worked crossings
- New circuits for Oddingley OD crossing



### Installation, test and commission of:

- 30 new NR direct dial Telephones (ETD) to Principal Supply Points (PSP's) and Auxiliary Supply Points (ASP's)
- 40 new signalling circuits, including Solid State Interlockings (SSI) and around 250 new IP axle counter network connections

## Benefits of working with Linbrooke

Collaborating closely with all stakeholders, we worked together seamlessly to ensure maximum results. Providing successful entry into service of all works, the Master Test Completion Certificate (MTCC) was accepted by Network Rail ahead of schedule, exactly in line with our EIS plan.

### To ensure successful project delivery, we consistently provide:

- A strong, detailed understanding of the technical scope
- A full delivery of telecoms, signalling, power, civils and track which ensures multidisciplinary efficiency
- An impeccable health and safety record
- The ability to adjust to project alterations rapidly – and provide alternative solutions when required
- A highly skilled and experienced work force
- Collaborative prowess and strong relationships with a number of industry experts

For further information on this project or to discuss world class telecoms, power and signalling solutions, call us on

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visit our website at

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