

## BROMSGROVE

### Project Summary

**Client:** J. Murphys and Sons

**Timescales:** March 2014 – December 2014

**Linbrooke Disciplines:** Telecommunications, Signalling and Power

**Linbrooke Services Utilised:** Design & Project Management, Test & Commissioning

### Customer Objective

To abolish the up sidings and re-align the up main and up goods loop at Bromsgrove in order to create a rail footprint designed to enable the construction of a new station and car park at Birmingham.

### Project Overview

As a long-term, four phase programme, Linbrooke were commissioned to deliver the first phase of the Bromsgrove line upgrade. This involved the repositioning of the track layout as well as the re-aligning of the up-goods loop in order for it to be re-signalled accordingly. All of this was requisite in the facilitation of the new station build.

*'Thank you to Linbrooke for successfully delivering the new up goods loop over the main Christmas possession. It was a significant achievement and the efforts have been greatly appreciated'*

– Stuart Witts, Engineering Manager, Murphys

## Linbrooke Project Scope

Originally engaged as the construction contractor for phase one of this project, Linbrooke were further contracted to undertake the SWTH testing and other enabling works which included 4 stages of all signalling, power and telecoms deliverables. As the ground works stages commenced, cable identifications and diversions were introduced to the Linbrooke scope and we subsequently proposed and delivered an efficient A210 testing process within a very restricted timescale.

Rising to all of the project challenges, Linbrooke provided a full turnkey delivery of the signalling, power and telecoms works which consisted of:

- Rationalisation of signalling location cases to a single new signalling location case
- Renewal of Right Away (RA) indicators and structures
- Renewal of signals
- Renewal of associated Automatic Warning System (AWS) and Train Protection & Warning System (TPWS) equipment
- Renewal of track circuits (including infrastructure defect remediation)
- Installation of In-Bearer Clamp Lock (IBCL) (points)
- Renewal of Fixed Telecomms Network (FTN) cabinets
- Renewal of points heating
- Lineside cable diversions for all disciplines

Our collaborative approach and strong inter-industry relationships enabled us to work successfully with 5 different delivery partners. As a result, Linbrooke were also selected to assist with future phases of the project – including the telecoms aspect of the re-signalling in phase 3.

## Benefits of working with Linbrooke

With our quality driven 'can do' ethos, Linbrooke were able to deliver a wide scope of works and provide alternative network solutions under delimited time constraints. This ensured that the project was completed successfully.

We also delivered:

- A strong, broad understanding of the technical scope
- A full turnkey understanding of telecoms, power and signalling
- An impeccable health and safety record.
- A highly skilled and experienced work force
- The size, ability and flexibility to react quickly, effectively and safely to changing circumstances
- A multidisciplinary ability to provide alternative network solutions