

WINSFORD SIGNALLING LIFE EXTENSION

Project Summary

Client: Network Rail

Timescales: June 2014 – February 2015

Linbrooke Disciplines: Signalling

Linbrooke Services Utilised: Project & Design Management, Installation, Test, Commissioning, Hand Back

Customer Objective

To replace the outdated signalling equipment for the Winsford section of the West Coast Mainline life extension programme through a like for like renewal scheme. The restitution of these assets was deemed a necessary measure prior to their scheduled replacement works - due in 2021 and 2030.

Project Overview

As part of a larger programme covering the entirety of the West Coast Mainline and due to the poor condition of signalling assets in the vicinity of Winsford/Hartford and Weaver control area, Linbrooke were commissioned to provide the life extension works to prolong the viability and safety of the operation of corresponding West Coast Mainline routes.

“Linbrooke achieved a high quality of installation, the staff on site were very transparent and open when we encountered site installation problems in addition to being very proactive in closing out/feeding back any safety issues raised.”

– Paul Mullane, Safety Manager for Network Rail

Linbrooke Project Scope

Utilising Network Rail's designs and collaborating efficiently with sub-contractors, Linbrooke successfully delivered like for like replacements of all the signalling equipment, including insulated blockjoints and power cables at Winsford.

Linbrooke's role in the scheme was vital for the continuation of the overall works. A GRIP 6-8 delivery was provided over a series of unsociable shift patterns and comprising 3 main installation stages as well as the recovery of redundant cables from past projects.

Linbrooke's scope of works included:

- The manufacturing, installation and power commissioning of LOCS
- Power cable recovery and terminations
- Back feed power alterations
- Termination and commissioning of lineside cables
- Renewals of tails and signalling equipment
- Abolition of existing LOCS and associated cabling
- Commissioning of track circuit alterations
- Recovery of all redundant equipment

Through the tireless dedication and overall success of the Linbrooke team, Network Rail have since selected Linbrooke to price for the replacement of further signal equipment in the Crewe area.

Benefits of working with Linbrooke

Utilising an effective and collaborative approach with all involved parties, and working diligently across weekend and night shifts, Linbrooke uncompromisingly adhered to our 'right first time', quality driven ethos.

To ensure successful project delivery, we consistently provide:

- A strong, detailed understanding of the technical scope
- Survey, detailed design, installation and commissioning resources - all in house
- An impeccable health and safety record.
- A full turnkey understanding of telecoms, power and signalling
- A multidisciplinary ability to provide alternative network solutions
- A highly skilled and experienced work force
- The ability and flexibility to react quickly, effectively and safely to changing circumstances