

SCADA

Project Summary

Client: Network Rail

Timescale: March 2012 – Ongoing

Linbrooke Disciplines: Telecommunications, Civils

Linbrooke Services Utilised: Installation & Test

Customer Objective

To renew all of the existing Network Rail electrification electro-mechanical supervisory and electronic Supervisory Control and Data Acquisition (SCADA) systems across the country.

Project Overview

Covering circa 650 km of optical fibre installation, Linbrooke were selected to renew life expired electro-mechanical control systems employed at Canterbury, Eastleigh, Raynes Park and Selhurst electrification control areas.

This involved the delivery of an enhanced communications network to traction electrification buildings located in existing electro-mechanical areas of current Electrification Control Room (ECR) operation – with connections in close proximity to telecommunication equipment rooms where appropriate.

“SCADA is an excellent scheme and Linbrooke are proud to have been part of such an esteemed project!”

– Mark Walker, Project Manager

Linbrooke Project Scope

Completing a wide range of both installation and testing works, Linbrooke's scope of works included:

- All required route installation work
- Installation of trackside 48 fibre cables – including all associated containment, joints and joint bays
- Installation of sheath gaps
- Installation of all additional cable route works
- Splicing in a mid-section joint
- All required site acceptance testing
- Preparation of all testing documentation
- Preparation of as built drawings
- Preparation of operation & maintenance (O&A) documentation

The project had a further requirement for slack to be left in each of the cable sections that were coiled into loop bays, stakka boxes or in dedicated troughing routes. Conducting end to end testing of 48 fibre sections, Linbrooke also capped all the cable ends upon testing completion and confirmed the exact GPS locations.

Benefits of working with Linbrooke

Utilising our highly skilled and adaptable telecommunications installers and testers – all situated in house – Linbrooke provided accurate deliverables to tight project timescales. We also delivered our own fully qualified CAD Engineers - who produced accurate as built drawings.

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
- Strong relationships with a number of industry experts