

## FTN BURTON LATIMER

### Project Summary

**Client:** Network Rail

**Timescales:** June 2014 - February 2015

**Linbrooke Disciplines:** Power

**Linbrooke Services Utilised:** Design & Build

### Customer Objective

To provide a permanent low voltage Distribution Network Operator supply to a fixed telecom network re-locatable equipment building (FTN REB) in order to remove the reliance on a temporary generator with the associated refuelling and power reliability problems.

### Project Overview

Due to the permanent DNO supply application being stuck in wayleaves, the FTN REB at Burton Latimer was running on a temporary generator. This created ongoing issues with the adjoining land owners and was incurring continual rental and refueling costs whilst providing an uncertain supply. Linbrooke were responsible for the reviewing of the existing DNO application to consider if there were alternative options that could avoid the wayleaves and reduce the cost for the new supply.

*“Using initiative, enterprise and resourcefulness, the Linbrooke team delivered practical and efficient solutions to resolve the project issues and ensure that the delivery was both successful and on time”*

– Jonathan Mosby, Linbrooke’s Head of Rail Power

## Linbrooke Project Scope

Linbrooke's on and off-rail power teams worked together to perform an analysis of the DNO network drawings in order to assess the most practical solution for meeting the customer objective.

It was determined that by requesting that the DNO reinforce the existing LV network - and by moving the Network Rail DNO cubicle along the road - the wayleave issues would be removed and the need for 11kV works negated.

Linbrooke's overall scope of works consisted of:

- Review existing DNO application
- Investigate alternative DNO options
- Produce revised DNO design
- Negotiate wayleaves
- Update Form B Electrical Design in accordance with DNO solution
- Install Network Rail DNO cubicle including all civils works
- Install cable from DNO to FTN
- Terminate and test power cable to BS7671
- Manage Western Power Distribution (WPD) works

## Benefits of working with Linbrooke

Through collaboration and careful planning, Linbrooke were able to utilise their in-house on-rail and off-rail knowledge to identify a feasible solution that would require modest changes by both WPD and Network Rail to allow the proposal to succeed.

Linbrooke were able to perform the changes to the Network Rail equipment design and make the site alterations successfully. We also managed WPD throughout the process in order to deliver the scheme on time and to budget.

With our quality driven, 'can do' ethos, Linbrooke reputedly provides:

- A strong, detailed understanding of the technical scope
- Trustworthy, collaborative relationships with clients
- An impeccable health and safety record
- Survey, detailed design, install and commissioning resources
- A full turnkey delivery of telecoms, signalling, civils and track ensures multidisciplinary efficiency
- The ability to adjust to project amendments rapidly – and provide alternative solutions when required
- A highly skilled and experienced workforce
- The ability and flexibility to react quickly, effectively and safely to changing circumstances