

NSCD Safety Improvement Works

Buckhurst Substation



THE PROJECT

Various NSCD sites across the network required a number of improvements due to either being left incomplete or needing remedial works, to allow for easier maintenance and handover to the asset owner.

Buckhurst Substation required new P2P cables to be installed from the NSCD LCP and NSCD at the Substation. Existing cables were left in temporary locations due to an existing trough route being submerged and no longer accessible. AMI carried out remedial works throughout the Cable Management System and installed a new Sheet Piled Wall to allow for the submerged section of CMS to be accessible. The NSCD was then tested and commissioned back into service.



Portfolio Value

£2 mil +

Portfolio Started

2022

Portfolio Ended

2025

Client

**Network
Rail**

THE DELIVERABLES

- Renewal of P2P interface cables from NSCD LCP to RCP 1.5km away.
- 1.5km of remedial route works ranging from lift and relay to veg clearance & asbestos CMS replacement.
- 300m of excavation to expose submerged sections of route
- 200m Sheet Piled wall
- Lift and relay submerged route
- Test and Commissioning new asset
- Entry into service of NSCD

CHALLENGES & SOLUTIONS

Access to the site was restricted with closures to existing RRAP, and high profile lineside neighbours. This was managed with frequent integration meetings as well as onsite communications with lineside neighbours.

Relationships were also established with lineside neighbours to utilise areas of their land for the crane operations, this allowed for delivery of materials due to restricted road access.

