

# Clapham Train Care Depot

## DC Traction Power Cable Renewals



### THE PROJECT

Due to a serious DC cable failure in the depot, a condition report was tasked to AMI to ascertain the impact of the fault and any foreseen issues.

DC Cable replacement was then deemed necessary for all the DC Traction Power feeder cables within the depot. Upon further inspection, this included the majority of the containment that was installed beneath various walking routes.



Project Value

**£1M+**

Project Started

**Sept  
2022**

Project Ended

**Sept  
2023**

Client

**Network  
Rail**

### THE DELIVERABLES

- AMI provided detailed condition reports to ensure that sufficient temporary alternative feeding arrangements were in place.
- Provided a turnkey permanent solution for improved maintainable DC traction power feeding for the depot.
- Extensive civils works with over 300m of walkway reconstruction and buried cable containment solutions for in excess of 5km of DC traction power cable.
- Providing access, to track plant and temporary works plans that allowed for trams and RRVs to operate.
- Staged construction designs for civils, temporary works and electrical supported by drone footage

### CHALLENGES & SOLUTIONS

Stakeholder management was extremely important as the TOC uses all 49 sidings within the depot, The majority of the core works required isolated disruptive access which if executed poorly could have had a severe impact on Britain's busiest trans traffic railway stations.

Managing Train Operating Company, Client and Maintenance expectations was critical to ensure adequate plans, controls and mitigations were in place throughout the works.

