# Anglia Structures

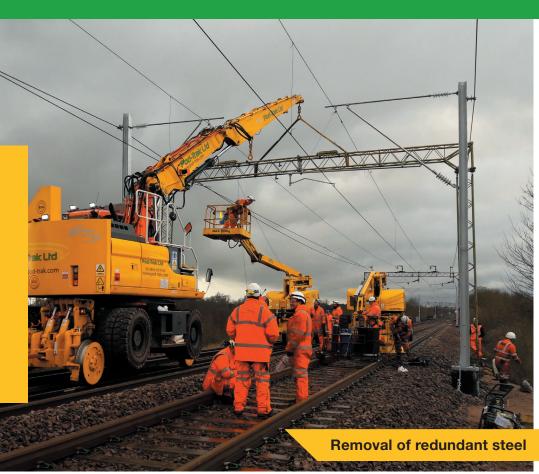


## 4

#### **RAILWAY ELECTRIFICATION**

VolkerFitzpatrick

"Structure renewals on the Great Eastern Main Line."



PILING
MAIN STEEL
SPS
TRANSFERS
REMOVALS



VALUE £750K



## Anglia Structures



### 4

#### **RAILWAY ELECTRIFICATION**



etwork Rail identified a number of OLE structures throughout the Anglia region with varying degrees of lean, and as such all needed to be renewed to reduce the risk of OLE failure.

The lean is caused by several factors including poor ground conditions, inadequate foundations, steelwork damage and life expired equipment. The scope of works on this phase of the project was the replacement of 24 existing structures with new single cantilever arrangements.

The works involved the installation of new OLE pile foundations, structures, cantilevers, droppers, midpoint anchors, registration, installation and alteration to Return Conductor wires and removal of the redundant structures.

All works were carried out over a series of weekend possessions carried out as follows:

- Install 610mm piles
- Install main steel & bonding (both temporary and permanent bonding)

- Install Small Part Steel (SPS)
- Transfer of OLE and new registration
- Install / move return conductor wire to new Design
- Removal of redundant steel

Post works all associated hand back material was submitted supporting the installation including Quality Check Sheets, redline drawings and height and stagger surveys.