



### CASE STUDY 5: HEAVY RAIL

Project: Colchester Clacton Infrastructure Renewal Scheme  
Project value: £1.0 million  
Client: Network Rail  
Main Contractor: Siemens  
Dates: April 2008 – January 2009

#### Background:

The Colchester to Clacton Infrastructure Renewal Scheme covered a section of the London to Norwich (LTN) mainline between Marks Tey and Ardleigh, the Clacton Branch Line and the Walton-on-Naze spur. To support the renewed Signalling Installations, the project scope included a full renewal of the existing Telecom Infrastructure.

Network Rail contracted Siemens for the implementation of the Telecoms renewal. Siemens in turn awarded the work to Kelly I.T.S. following competitive tender.

#### Scope of work:

The project required Kelly I.T.S to provide turnkey telecoms services to Siemens for the renewal; this project was completed to programme and budget. The services provided were as follows:

- Possession planning and co-ordination
- Route works and troughing installation
- Fibre and copper joint bay installation
- Location case installation
- Retaining wall construction
- Temporary Equipment Housing (TEH) installation
- Re-locatable Equipment Building (REB) enabling works, craning into position and installation
- Supply and co-ordination of Road Rail Vehicles for delivery of materials and installation works
- Fibre optic, copper, tail and aluminium screening cable installation
- DISAC cable, ground anchor and visibility tag installation
- Jointing, testing and termination of fibre optic, copper, tail and aluminium screening cables
- Spur cable installation, joint, test and termination for REB locations
- SSI telecom cable link installation, joint, test and termination
- Signal post, point zone, anti vandal and level crossing telephone installation
- ODF / Rack building in REB