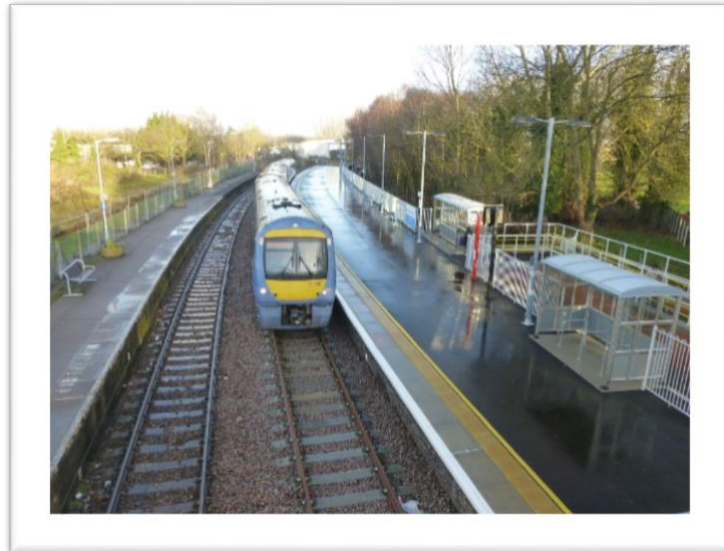




CLIENT – Network Rail

DATE – 2013



PROGRAMME DESCRIPTION:

The objective of reinstating the redundant second platform at Beccles Station was to allow doubling of the frequency of passenger services between Lowestoft and Ipswich, where trains will run hourly, whilst also improving access to the rest of the rail network.

The introduction of a one-hour timetable would produce conflicts on the existing single-track section at Beccles Station, therefore a second track at was required to increase operational capacity.

The addition of a loop track at Beccles Station required reinstatement of the redundant platform and various ancillary works including lighting, customer information and accessibility.

Additional requirements were also requested by the local council for improving lighting of the footbridge and walkways leading to it.

DESIGN ELEMENTS:

Poise was engaged as the GRIP 5 design organisation for Beccles Station platform reinstatement scheme which entailed:

- Setting out of platform copers for required track gauge as specified by P-Way design
- New tactiles on platforms
- New DDA compliant ramp at rear of platform to provide access
- New bike and waiting shelter with concrete foundations
- Drainage for waiting shelter and top of ramp
- 2No. seating benches
- New footpath linking existing footbridge ramps and stairs to new access platform
- New lighting columns and foundations of platform
- New wall mounted lights for existing footbridge ramp and staircase
- Proposed lighting bollards and concrete foundations adjacent to new footpath
- New CIS screen with concrete foundation support and help point

- Resurfacing of usable area of platform including compliant falls and drainage
- Cable routes: buried ducts, cable trays and trunking
- Remedial works to footbridge leg in South East corner
- New boundary fencing with gates
- New Distribution Cabinet with concrete base and gravel hardstanding and walkway
- Anti-slip surfacing for footbridge ramps and stairs
- Station signage

Civil Form B

- Reinforced concrete foundation for equipment
- Masonry wall design
- Bridge Strengthening
- Platform Resurfacing
- Platform coper setting out design
- Fencing
- Walkways

Electrical Form EB

- Lighting design to achieve required illuminance
- LV distribution design
- Earthing and Bonding Design
- Power supply to CIS equipment

Telecomms Form B

- CIS and Help Point design
- Communication types and protocols

Portfolio of Tasks

- Site Investigations including
- Scheme Development and optioneering of proposed solutions
- Detailed design and Network Rail Form B Approvals
- Design Management and Interdisciplinary reviews
- As Builts drawings
- Roles, Responsibilities and Service Provided

Roles and Responsibilities

Poise expertise across the scope of services was called into play when it was commissioned by Network Rail to undertake the scheme and detailed design. Proactive project management and robust interfacing between the various disciplines and with the client organisation resulted in design delivery to tight programme deadlines. Poise also delivered excellence in design quality ensuring constructability compliance to scope and standards and cost-effective solutions.