

Hitachi IEP Depot Upgrades



Project Summary

Overview

Substantial upgrades to East Coast Main Line depots to cater for servicing and maintaining the new Hitachi IEP Class 800 (dual-mode DMU / EMU) and Class 801 (EMU) Super Express Trains, which are to be introduced for passenger operations

Locations

- Craigentenny (Edinburgh)
- Ferme Park (London)
- Doncaster Carr (Doncaster)
- Heaton (Newcastle)
- Neville Hill (Leeds)
- Inverness (Scotland)

Services Undertaken

Topographic surveys, structure gauging surveys, Permanent Way design (GRIP 3-5) and as-built surveying

S&C junction remodelling, new concrete slab and ballasted track form design, plain line and buffer stops

Value Added by Novus Rail

Over £2 million savings were realised at Craigentenny depot by rationalising the outline design prepared by another Consultant, from 12nr turnouts down to 4nr, without compromising key user requirements or functionality needs

Key Project Specifics

Craigentenny

- Topographical and structure gauging surveys
- Permanent Way design (GRIP 3-5)
- S&C junction remodelling
- Renewal / relocation of 4nr sidings, including buffers
- New train wash facility
- Staging design to suit construction limitations

Doncaster Carr

- Topographical and structure gauging surveys
- Permanent Way design (GRIP 4-5)
- IEP train clearance throughout the depot

Ferme Park

- Topographical and structure gauging surveys
- Permanent Way design (GRIP 4-5)
- Direct fastening design for concrete servicing aprons

Heaton

- Topographical and structure gauging surveys
- Permanent Way design (GRIP 4-5)
- Direct fastening design for concrete servicing aprons

Neville Hill

- Topographical and structure gauging surveys
- Permanent Way design (GRIP 4-5)
- Direct fastening design for concrete servicing aprons

Inverness

- Permanent Way design (GRIP 4)