MOD : Munitions Depot

Project Summary

Overview

Condition led renewal and remodelling of a munitions Road and Rail Transfer facility at HMNB (Clyde)

Deterioration of the concrete embedded rails caused the facility to be withdrawn from operational service in 2011

Services Undertaken

Validation of the derived rail design (GRIP 3) and preparation of the detailed rail design (GRIP 4+5), for a fully concrete embedded depot operating as a road and rail transfer point

Permanent Way design, structural rail concrete slab design, buffer stop specification, bespoke concrete embedded turnout switch clearance and drainage design, rail signage specification and structure gauging analysis

Designs prepared in line with MOD Rail standards

Value Added by Novus Rail

Nominally £0.2million saving identified and agreed with all relevant stakeholders for utilising an enhanced type of embedded rail / turnout system without any detriment to operations, compliance, performance or safety

Key Project Specifics

- Ministry of Defence rail network
- Road / Rail transfer facility
- Fully concrete embedded depot
- Renewal and remodelling of 5nr sidings
- Loco shed, transfer shed and train wash
- Track system concrete base / in-fill structural slab design
- Bespoke embedded concrete switch clearance design
- Strategic slab surface water run-off design
- Bespoke turnout switch recess drainage design
- Buffer stop specification and over-run assessments
- Rail signage specification
- Safety demarcation specification
- Structure gauging analysis