

Stevenage Turnback Facility



Project Summary

Overview

A new 1.8km long turnback facility and additional station platform at Stevenage station was required to reduce demand on the East Coast Main Line (ECML), by connecting the new turnback line to the Hertford North branch line.

Locations

- Langley junction to Stevenage station.

Services Undertaken

Permanent Way design from feasibility to detailed design stages via the Network Rail GRIP assurance process and also providing technical support during the construction phase

The feasibility design stage was undertaken to ensure that all stakeholder requirements were cost effectively satisfied

The outline and detailed designs were then developed to further mature the design scope and continue to ensure the most cost effective delivery specification

Technical support was provided throughout the construction phase working closely with the installation contractor

As-built surveys were undertaken to ensure the newly constructed turnback facility was in line with the design

Value Added by Novus Rail

As a repeat client we were able to fit into the clients working processes efficiently and provide dedicated support throughout the full life cycle of the project to ensure successful entry into service and handover to Network Rail

Key Project Specifics

- BIM (Level 2) compliance
- Projectwise Document Control
- Plain line design
- S&C design, including point motor conversion
- Standard deviation assessments
- Subgrade and track formation design
- Gauging for new structures and station platform
- Proposed track category quantification
- Preparation of S&C manufacturer drawings
- CWR stressing plans
- CRT management plan
- Track monitoring plan
- Inspection and test plans
- Derailment risk assessment
- Buffer stop over-run assessment
- As-built design drawings.