

Job Title:	Geotechnical & Off-Track Engineer	
Purpose:	Nexus technical lead supporting the Principal Engineer Civils & Structures in geotechnical and off-track engineering matters across capital projects, maintenance, and operations. The Geotechnical & Off-Track Engineer will ensure that Nexus assets – including earthworks, retaining structures, vegetation, drainage, boundaries, access points – and the geotechnical and off-track interfaces meet all relevant statutory, regulatory, and industry best-practice engineering standards. The Geotechnical & Off-Track Engineer will work collaboratively with internal and external stakeholders.	

Person Specification

Date: 03/06/2026

ESSENTIAL
EDUCATION
Relevant degree in engineering, or equivalent industry experience in a relevant engineering discipline.
SPECIFIC KNOWLEDGE
Knowledge of geotechnical and off-track engineering principles within the railway environment.
Knowledge of geotechnical and off-track engineering information and data.
Knowledge and experience of relevant geotechnical and off-track engineering regulations, British Standards, and other industry guidance.
Knowledge and experience of general engineering/ construction regulations, British Standards, and other industry guidance.
Knowledge and experience of Health and Safety Legislation.
EXPERIENCE
Demonstrable geotechnical and off-track engineering experience.
Demonstrable experience in producing specifications, reports, standards, procedures, processes, documentation, etc.
Demonstrable experience in the assessment of assets, their condition, and asset lifecycle management.

DESIRABLE
Chartered Engineer status or working towards.
Membership of a relevant Institution.
Working knowledge of geotechnical and off-track engineering modelling software.
Experience working in the railway industry.