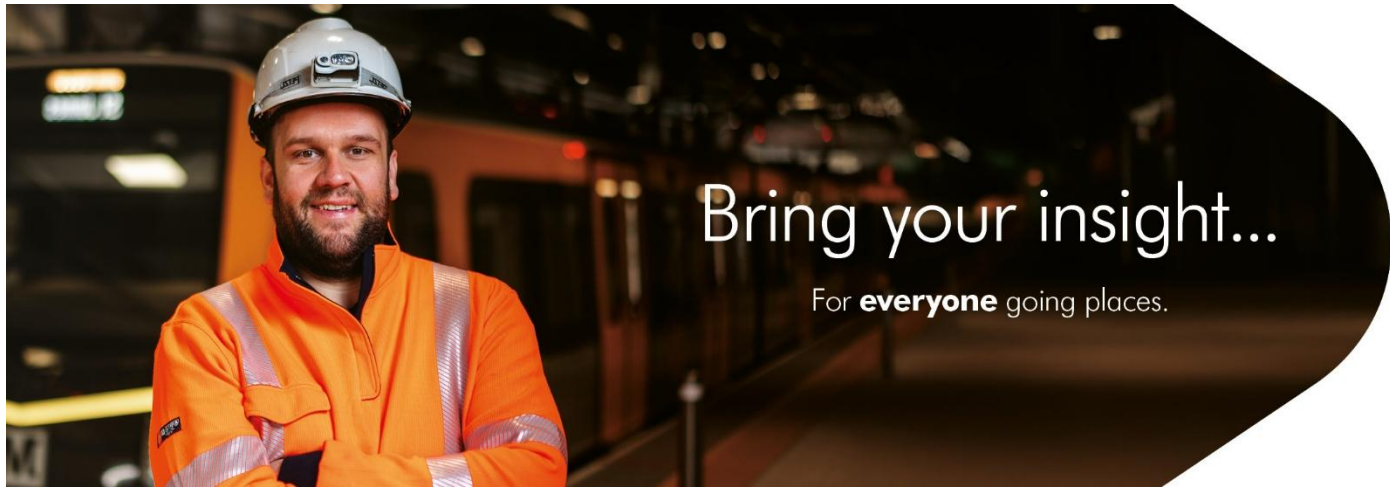




Bring your insight...

For **everyone** going places.

Geotechnical & Off-Track Engineer

Permanent

Salary circa £55k*

*actual salary offered is based on skills and experience within a set salary range, the above is given as a guide. Feel free to let us know your salary expectations.

Help shape the future of one of the UK's most unique transport networks

As part of our continued investment in the future of engineering at Nexus, we are expanding and strengthening our team with a number of exciting opportunities. Joining an established group of highly skilled professionals, you'll play a key role in shaping and delivering critical engineering solutions while helping us build the capability needed for the challenges and opportunities ahead.

We're looking for an experienced Geotechnical & Off-Track Engineer to join Nexus Engineering and become the technical lead for geotechnical and off-track matters across the Metro network.

This is a unique opportunity to influence the management and development of a diverse portfolio of assets including earthworks, retaining structures, drainage systems, vegetation, boundaries and access points. As the technical authority in this specialist discipline, you'll help ensure the long-term safety, resilience and performance of infrastructure that supports millions of passenger journeys every year.

Working across capital projects, maintenance and operational activities, you'll provide expert advice, develop engineering standards and support major investment programmes that will shape the future of public transport across Tyne and Wear.

This role offers a rare combination of strategic influence, technical leadership and asset stewardship, making it an excellent opportunity for an ambitious engineer looking to make a lasting impact on a regionally significant transport network.

Typical Day

- Act as the technical lead and subject matter expert for geotechnical and off-track engineering matters across the Nexus estate.
- Provide specialist advice to project teams, maintainers, contractors, consultants and senior stakeholders.

- Lead geotechnical and off-track input into capital projects from concept and design through to construction and handover.
- Develop and maintain engineering standards, strategies, specifications and technical guidance.
- Assess asset condition and develop lifecycle management strategies for earthworks, drainage systems, retaining structures and other off-track assets.
- Support audits, inspections, investigations and post-incident reviews where specialist engineering expertise is required.
- Work collaboratively with internal and external stakeholders to ensure compliance with legislation, standards and industry best practice.
- Identify opportunities to improve asset performance through innovation, technology and continuous improvement initiatives.

About You

You are a technically capable engineer who enjoys solving complex infrastructure challenges and developing practical solutions that deliver long-term value.

You will have:

- A relevant engineering degree, or equivalent industry experience within a relevant engineering discipline.
- Demonstrable geotechnical and off-track engineering experience.
- Knowledge of geotechnical and off-track engineering principles within a railway environment.
- Experience working with geotechnical and off-track engineering data, information and asset records.
- Knowledge of relevant regulations, British Standards and industry guidance related to geotechnical and off-track engineering.
- Knowledge of wider engineering and construction regulations together with Health and Safety legislation.
- Experience producing technical specifications, reports, standards, procedures and engineering documentation.
- Experience assessing asset condition and supporting asset lifecycle management activities.
- Strong communication skills with the ability to explain technical issues to a variety of stakeholders.

It would be advantageous if you have:

- Chartered Engineer status, or are working towards professional registration.
- Membership of a relevant professional institution.
- Experience using geotechnical or off-track engineering modelling software.

- Experience within the railway industry.

Why Join Nexus?

Few engineering roles provide the opportunity to influence such a varied and critical infrastructure portfolio.

You'll have the opportunity to:

- Become the specialist engineering lead for geotechnical and off-track assets across the Metro network.
- Influence major infrastructure investment and renewal programmes.
- Shape the standards, strategies and engineering decisions that support the long-term resilience of Nexus assets.
- Work across a broad asset base including earthworks, retaining structures, drainage systems, vegetation management and access infrastructure.
- Build specialist expertise within a highly visible and strategically important engineering discipline.
- Make a tangible contribution to the safe and reliable operation of public transport across the North East.

What We Offer

- Competitive Salary circa £55k
- You'll be part of a generous pension scheme (Local Government Pension Scheme)
- 28 days annual leave per year plus bank holidays and time off for volunteering too
- Enjoy travelling for free in Tyne and Wear with our enhanced travel benefits for you and your family
- Free or discounted travel with Grand Central, LNER, Lumo, Northern Rail and TransPennine Express
- You will have the opportunity to contribute to a health cash plan that will contribute (and dependants if you have them) towards dental costs, optical, and lots more
- Access to our reward app with over 1000 plus high street discounts on groceries, holidays and days out
- We like to grow our own colleagues (not literally of course!), so when you're ready for the next step in your career, we can help develop you
- The opportunity to make a tangible impact on the future safety and resilience of public transport across the region.

About Us

At Nexus, we're investing in the future of transport. From network renewals and infrastructure improvements to supporting the successful delivery of new Metro trains, we're delivering one of the most significant periods of investment in the network's history.

Our Engineering team plays a vital role in ensuring our assets remain safe, sustainable and fit for the future. Joining Nexus means becoming part of a collaborative, forward-thinking organisation committed to engineering excellence and continuous improvement.

Ready to Make an Impact?

If you're looking for a rare opportunity to influence the future of critical transport infrastructure and apply your specialist expertise across a diverse and challenging asset portfolio, we'd love to hear from you.

Please upload your CV and a covering letter explaining how you meet the essential criteria before 9am on Monday 16 November 2026.