

# KiwiRail | Position Description

## Technical Advisor – Asset Engineering

### **Purpose:**

This role is to support Auckland Metro and Greater Auckland Asset team in delivering technical excellence, continuous improvement, and satisfaction to our customers and stakeholders.

The Auckland Metro and Greater Auckland Asset team have the core functions of Asset Management, Planning, Scoping and Auditing Track, Structures and Civils works.

The Technical Advisor – Asset Engineering will report to the Senior Asset Engineer Auckland North and will be responsible for supporting with engineering aspects of scoping, auditing, planning, asset management and maintenance work for railway infrastructure civil, structures and track assets.

The primary role responsibilities include:

- Provide expert technical advice for civil, structures and track maintenance and upgrades.
- Produce and peer review design solutions for civil, structures and track assets.
- Support the development of asset management strategies for civil, structures and track assets.
- Deliver and support maintenance and renewal projects, working with contractors and liaising with third parties.
- Lead and support civil, structures and track inspections
- Lead and support civil, structures and track engineering inspections.
- Deliver trainings to Field Asset Engineers, Track Inspectors, Structures Inspectors, PDS Evaluators, providing technical guidance and mentoring.
- Provide technical support to Asset Engineers as required.

Health and Safety is an important part of how KiwiRail operates. You will be a safety leader and will be expected to “walk the safety talk”.

### **Dimensions:**

**Reports to:** Senior Asset Engineer Auckland North  
**Responsible for:** N/A  
**Location:** Auckland



**Budget:** Nil

**Internal Contacts:** Engineering Managers  
 Engineering Staff  
 Technical Director & Professional Heads  
 Operations Managers  
 Operations Engineers  
 Train Control  
 Network Authorities  
 CPAD  
 Asset Manager  
 Production Manager  
 Track, Structures & Civil Engineering offices  
 Projects Group  
 Zero Harm Leader and their team  
 Inventory and Plant team  
 Freight Operations  
 Passenger Operations.  
 Rolling Stock and Asset Services Operations  
 KiwiRail Property group  
 KiwiRail Grants department

**External Contacts:** Consultants  
 Contractors  
 Suppliers  
 Relevant Authorities

**Key Accountabilities**

Technical Advice
<ul style="list-style-type: none"> <li>• Lead and support civil, structures and track inspections</li> <li>• Lead and support civil, structures and track engineering inspections.</li> <li>• Provide expert technical advice to customers and stakeholders.</li> <li>• Attend incidents and provide engineering support to recover from an incident.</li> <li>• Lead and support the scoping of Track, Structures and Civil projects, with a focus on innovation and continuous improvement.</li> <li>• Establish project plans, timelines, and key milestones that support the effective delivery of the projects.</li> <li>• Ensure that all technical standards and requirements are met unless otherwise approved.</li> <li>• Provide expert technical advice for civil, structures and track maintenance and upgrades.</li> <li>• Produce and peer review design solutions for civil, structures and track assets.</li> <li>• Support the development of asset management strategies for civil, structures and track assets.</li> <li>• Deliver and support maintenance and renewal projects, working with contractors and liaising with third parties.</li> </ul>



<ul style="list-style-type: none"> <li>• Deliver trainings to Field Asset Engineers, Track Inspectors, Structures Inspectors, PDS Evaluators, providing technical guidance and mentoring.</li> <li>• Provide technical support to Asset Engineers as required.</li> </ul>
<p><b>Asset Management</b></p>
<ul style="list-style-type: none"> <li>• Support the development of asset management strategies for civil, structures and track assets.</li> <li>• Collaborate with the business to assist in setting the strategic direction of asset management.</li> <li>• Develop and recommend strategic asset management options based on scenarios which balance cost vs. risk vs. levels of service.</li> <li>• Provide guidance to prioritise asset maintenance needs.</li> <li>• Identify required capital works in conjunction with Asset Engineers and Field Asset Engineers managers.</li> </ul>
<p><b>Risk Management</b></p>
<ul style="list-style-type: none"> <li>• Lead and support risk assessments and manage relevant asset risk registers.</li> <li>• Advise the business in the understanding and management of risks related to hazards.</li> <li>• Articulate and escalate risks appropriately.</li> <li>• Suggest and contribute to eliminating and/or mitigating risks.</li> </ul>
<p><b>Learning and Development</b></p>
<ul style="list-style-type: none"> <li>• Keep up to date with new engineering technology and techniques.</li> <li>• Maintain good engagement with technical leaders and colleagues to ensure your technical advice aligns with KiwiRail best practice.</li> <li>• Undertake on the job training across KiwiRail engineering disciplines and functions as required for personal and professional development and to keep skills up to date and relevant.</li> </ul>
<p><b>Ensure Health and Safety</b></p>
<ul style="list-style-type: none"> <li>• Ensure safety, health and well-being is the first priority for you and your colleagues.</li> <li>• Ensure that engineering safety risks are being identified, managed, mitigated and where possible, eliminated.</li> <li>• Ensure compliance with rail safety system standards, procedures and statutory requirements within your area of responsibility.</li> <li>• Be responsible for your own safety and for providing a safe work environment for all KiwiRail employees, customers, contractors, suppliers, visitors and the community in your area of responsibility.</li> <li>• Be responsible for the reporting and initial control of any safety or environmental hazard or incident identified by you or brought to your attention.</li> <li>• Undertake Safe work conversations in the workplace.</li> </ul>



## **Previous Experience**

<b>Essential</b>	<b>Desirable</b>
<ul style="list-style-type: none"> <li>• 8+ years' experience in a Rail Engineering environment.</li> <li>• Experience with asset management.</li> <li>• Experience on field delivery of maintenance and renewals in a railway environment</li> <li>• Experience on field scoping and auditing of railway track, structures and civils renewal</li> </ul>	<ul style="list-style-type: none"> <li>• Project management and contract management experience.</li> <li>• Railway Engineering experience.</li> <li>• Experience with relevant design software and systems.</li> </ul>

## **Education:**

<b>Essential</b>	<b>Desirable</b>
<ul style="list-style-type: none"> <li>• Tertiary qualification in a relevant Engineering discipline.</li> </ul>	<ul style="list-style-type: none"> <li>• Chartered Engineer or working towards becoming chartered.</li> <li>• Relevant post-grad qualifications.</li> </ul>

## **Person Profile:**

<b>Personal Skills and Behaviours</b>
<ul style="list-style-type: none"> <li>• Engaged and motivated to achieve business and group KPIs.</li> <li>• Collaborative, respectful, engaging, and supportive within the team.</li> <li>• Strong written and verbal communication skills, including the ability to effectively present information and advice to a range of audiences.</li> <li>• Innovative, creative, and focused on continuous improvement.</li> <li>• Customer-focused and driven to exceed service delivery expectations.</li> <li>• Organised and able to manage conflicting demands in order to achieve deadlines and deliver responsibilities.</li> <li>• Flexible and responsive to changing priorities as programmed and directed.</li> <li>• Self-managing and able to work effectively without direct supervision.</li> <li>• Self-aware and motivated to contribute personal strengths and identify and develop areas for personal improvement.</li> <li>• Values-driven and consistently demonstrating honesty, integrity, professionalism.</li> </ul>

