



Position Description

Title:	Senior Traffic Engineer
Group:	Transport Services
Reports to:	Team Lead Transport Engineering
Band:	17
Date:	January 2022

Context

Our purpose	<i>Waka Kotahi. Moving. Together</i> A land transport system connecting people, products and places for the thriving Aotearoa.
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Group and team purpose	Create a multimodal, safe, sustainable and integrated transport system for all by providing strategic insights, expert technical advice and input into the planning, design and delivery of initiatives and projects bringing to life the five Transport Outcomes as per GPS - inclusive access, healthy and safe people, environmental sustainability, resilience and security and economic prosperity.
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Position purpose	The purpose of this role is to provide expert technical advice and support throughout business-case process to ensure the delivery of multi-modal, safe, sustainable and integrated transportation network to achieve strategically desired outcomes.
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Key relationships	<p>Internal:</p> <ul style="list-style-type: none">• The wider System Design and Transport Services group• Project and maintenance teams• Transport planning teams• Official correspondence team• Transport Technology (ITS) <p>External:</p> <ul style="list-style-type: none">• Local roading authorities• NZ Police• Emergency services• Network Outcome Contract (NOC) providers• The general public
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Dimensions	Location: Auckland or Wellington
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What the position involves

Accountabilities

As well as being accountable for the Waka Kotahi values and behaviours, your role has the following specific key accountabilities:

- Provide support and advice to transport planning, project management, asset management and network performance teams
- Technical inputs in business case development process
- Ensuring all new designs optimise multimodal efficiency and meet business outcomes
- Working together with NOCs/ASM and TOCs to provide optimal design outcome of the network to address transport and safety concerns and customers' expectations
- Provide technical advice during complex land use plan development and its impact on interchange, intersection, network solutions
- Provide transport engineering design guidance to ITS team regarding functional, traffic and safety requirements.
- Develop and support innovative design solutions for the existing network considering all modes
- Working in partnership with safety engineers for balanced design solution referring to movement and place functions
- Conduct network configuration, safety and performance audits, ensuring that high road safety standards are practiced
- Technical input and support to development LC/LR programme and ensure innovative solutions are addressing desired transport outcomes.
- Work with Delivery and Project Managers on large capital projects to ensure desired performance outcomes are achieved
- Participate in the evaluation of options of capital projects and make recommendations to ensure appropriate actions are defined and completed
- Provide a strategic overview and undertake detailed design reviews of proposed safety and traffic engineering improvements
- Ensure appropriate transport engineering design principles are applied to all new projects
- Be cognisant of current and developing international best practice championing transport solution approach
- Contribute to the development of guidelines, specifications and other appropriate technical documents
- Respond to Ministerials, OIAs, the public and other business group requests
- Consult and support the wider team
- Represent Waka Kotahi at various internal and external forums and ensure that the operational perspective is presented clearly and effectively across the business

There is an expectation that the role accountabilities may evolve over time. You may also be involved in other activities as part of a career and development plan. These will be reflected in your performance and development goals that are set in discussion with your People Leader.

Working effectively with Māori

Te Ara Kotahi – our Māori Strategy – supports Waka Kotahi to work effectively with Māori and is underpinned by uara (values) and our mātāpono (principles) of – Rangatiratanga, Manaakitanga, Kaitiakitanga, Whanaungatanga, Te Tiriti o Waitangi, Mana o te Reo, Huna Kore (no surprises approach), Auahatanga (creativity and innovation), Whakapono (integrity and honesty) and in recognition of Cultural Values.

As Waka Kotahi is an agent of the Crown, Te Tiriti o Waitangi/The Treaty of Waitangi is important to everything we say or do. We recognise it as an enduring document central to New Zealand's past, present and future. Building and maintaining meaningful relationships is important to work effectively with Māori, stakeholders and other agencies.

We accept our privileged role and responsibility to the partnership of the Treaty of Waitangi / Te Tiriti o Waitangi.

Values and Behaviours

Our values and behaviours underpin everything we do and form the core behavioural expectations for your role.

NGĀKAU AROHA *Have heart* means we have the wellbeing of our people, community and planet at the heart of everything we do. As Waka Kotahi we:

- Contribute to a safe and sustainable work environment.
- Show respect for all people.
- Treat others how we would like to be treated.
- Are inclusive and connected
- Look out for each other

KOTAHITANGA *Better together* means we achieve great things when we work together to build trusted relationships inside and outside of Waka Kotahi. As Waka Kotahi we:

- Build better relationships
- Join up our thinking and our doing
- Remove barriers to collaboration
- Seek and listen to others to learn and grow
- Invite conversation and feedback and always improve

KIA MĀĪA *Be brave* means our outcomes are better when we bring courage and self-belief to our passion and purpose. As Waka Kotahi we:

- Speak up when it matters
- Challenge to achieve the right outcome
- Make and own the tough decisions
- Find different perspectives to challenge thinking
- Face up to the difficult issues

MAHIA *Nail it* means we create enduring legacy, delivering our best work every day. As Waka Kotahi we:

- Are clear on what's important
- Deliver on the right outcomes
- Hold ourselves to account
- Help others succeed
- Celebrate success

As a member of the state sector we also hold ourselves to the highest standards of integrity and conduct.

SPIRIT OF SERVICE

Ka mahitahi mātou o te ratonga tūmatanui kia hei painga mō ngā tāngata o Aotearoa i āiane, ā, hei ngā rā ki tua hoki. He kawenga tino whaitake tā mātou hei tautoko i te Karauna i runga i āna hononga ki a ngāi Māori i raro i te Tiriti o Waitangi. Ka tautoko mātou i te kāwanatanga manapori. Ka whakakotahingia mātou e te wairua whakarato ki ō mātou hāpori, ā, e arahina ana mātou e ngā mātāpono me ngā tikanga matua o te ratonga tūmatanui i roto i ā mātou mahi.

In the public service we work collectively to make a meaningful difference for New Zealanders now and in the future. We have an important role in supporting the Crown in its relationships with Māori under the Treaty of Waitangi. We support democratic government. We are unified by a spirit of service to our communities and guided by the core principles and values of the public service in our work.

More information on all the behaviours and standards are included in the Waka Kotahi Te Tikanga Whanonga – Our Code of Conduct.

The value you will bring

Knowledge and experience:

- In depth experience in different disciplines of Land Transport Engineering
- Strong engineering sense and a simple approach in solving complex technical problems
- Proven ability for establishing strategy and guiding delivery to meet strategic outcomes
- Significant transport design and solution engineering capability
- Strong awareness and understanding of the Safe System approach
- Strong analytical skills
- Very good understanding of transport data and modelling outcomes and their interpretations
- Excellent verbal and written communication skills and ability to effectively collaborate with others
- Experience of working with diverse stakeholders and with complex problems and conflicting expectations of outcomes
- Experience in presenting proposals at both a technical and non-technical level to a variety of audiences
- Significant experience in investment decision making, budget allocating and programme management
- Experience of the commercial operation of contractors and consultants
- Strong achievement/delivery focus – sets high standards including accuracy and attention to detail, meets deadlines etc.

Qualifications:

- A qualification, degree or technical diploma, or equivalent in the area of highway, transport or traffic engineering

You will demonstrate knowledge of, or a willingness to gain an understanding of Te Ao Māori and promote tikanga and Te Reo Māori. You will also have knowledge of, or a willingness to gain an appreciation of te Tiriti o Waitangi (the Treaty of Waitangi) as it applies in the public sector.

To learn more about what we do visit www.nzta.govt.nz