

ITS Signals Engineer

Provide professional engineering skills for the development and operational management of the Intelligent Transport System (ITS) namely; Traffic Signals network and the mechanical Bridge control systems in Northland.

Our Organisational Tikanga

Whanaungatanga

(fostering relationships and a sense of connection)

- We build on relationships established through shared experiences and working together.
- We get to know each other and take time to greet each other.
- We create opportunities to build relationships and share knowledge with a diverse range of people.
- We value the people around us and their unique contribution to the organisation.

Manaakitanga

(showing respect and care for others, hospitality, kindness and support)

- We lift the mana (prestige) of all involved.
- We are part of the community and care about outcomes for external and internal customers.
- Our interactions with customers will respect and support their needs.

Kotahitanga

(unity, solidarity, togetherness and collective action)

- We have one shared direction and we all work together towards achieving it.
- We will stop doing anything that strays us from the agreed path to success.
- Our processes lead us to unified outcomes for our customers.
- We speak as one voice.

Atawhaitanga

(protection, stewardship, trust and a responsibility for long term outcomes)

- We deliver our responsibilities in the management and sustainability of our District in a trustworthy way.
- We collaborate and establish partnerships that enhance our role in the social, environmental, economic and cultural wellbeing of our communities.

Our expectations

As part of the Whangarei District Council we want to work as a team to deliver the best outcomes for our district. We are building our organisational culture around the principles of delivering for our customers, our organisational values, working together, and focussing on outcomes rather than tasks.

That means we will:

- provide strong customer service to all our customers
- operate collaboratively as a total Council team, and
- deliver our services in a way that is best for the district (as opposed to best for the Council).

In short, we want you to think about what we are trying to achieve, and then work as a team to provide great services to the residents of our district.

ITS Signals Engineer– that's your primary role at Whangarei District Council. But working with us is much more than simply completing the task – it's about how you go about doing the task, how you make a difference to the organisation, the ways you work with others, and how you deliver the best services to the district.

We're crafting a new way of working together here at Council. We think each of us has a key role to play in making our district a great place to live. We do that by giving superb service to our customers; we do it by working together as a group; we do it by building a culture where we can all contribute our ideas; and we do it by focusing on our outcomes.

Where appropriate, we want you to be part of cross organisational teams, to bring your solutions to the table, and to work with those teams to implement them.

What you will do

- Support the management of Traffic Signal Renewal and Maintenance contracts.
- Support the day-to-day operation of the SCATS traffic signal system, including:
 - Monitoring and optimisation
 - Implementation of new works
 - Fault investigation and troubleshooting
 - Signal phasing and software testing
- Coordinate and provide technical review for after-hours/special events/incident relating to the control of signalised intersections.
- Assist with contract surveillance, quality, administration, including verification of contractors' monthly progress payment claims.
- Support contract reporting requirements and performance reviews.
- Identify, evaluate and recommend new ITS standards and technologies for incorporation into the Northland roading network.
- Provide subject matter expertise advice to assist in projects scoping and development of business plans and other activities.
- Coordinate and support Traffic Signal design brief and peer reviews, the handover inspection of Traffic Signal assets from Capital Projects to Maintenance & Operations department.
- Support procurement activities for ITS Renewal and Maintenance services.
- Assist with the operation and maintenance management of mechanical bridge contracts for the Road Controlling Authority in Northland.
- Develop knowledge and expertise in mechanical bridge operations, working alongside the Health & Safety team and contractors to strengthen risk management and safe delivery on the high-risk assets.
- Effectively liaise and develop collaborative working relationships with both internal and external stakeholders as required.

What we all do

- Demonstrate a commitment to cultural awareness in all aspects of work and development.
- Demonstrate a commitment to Council's Diversity policy in all aspects of work and development.
- Embrace training and professional development opportunities for continuing improvement.
- Undertake Civil Defence Emergency Management responsibilities if required

Customer service

- Demonstrate a "customer first" culture within the team, department and in the wider organisation.
- Act as a Customer Advocate in the team, department and in the wider organisation.
- See customer feedback as an opportunity to improve service.
- Develop partnerships within the organisation to meet customer needs.
- Contribute to the development of customer focused policies and procedures.

Health and safety

- Accurately and promptly report all accidents, incidents and risks by the end of the working day.
- Keep yourself and others safe.
- Adhere to all Council Health & Safety policies, procedures and guidelines.

What you will bring

- Bachelor of Engineering/Information Sciences or equivalent.
- Post degree experience in Traffic Signal controllers and Sydney Coordinated Adaptive Traffic System (SCATS) operations.
- Familiar with industry Traffic Signals practice.
- Knowledge of H&S and safe working requirements in the road corridor.
- Understanding of Asset Management systems – Road Asset Maintenance Management (AWM formerly RAMM).
- Understanding of NZS3910 & NZS3917. Conditions of Contract.
- High level of computer literacy.
- Ability to communicate complex information with a varied and broad range of stakeholders.

What you will bring

- Ability to work effectively with others through development of strong working relationships and provision of clear well thought out advice.
- Ability to work methodically and efficiently and to set and meet appropriate standards and deadlines in a fast-paced environment.

Additional Information

Financial responsibilities – Nil

Position Grade – Grade 15

Organisation Chart – see below

