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| **Title** | Traffic and Transport Engineer |
| **Classification/Grade/Band** | Band 3 Level 3 |
| **Group/Unit/Section** | Environment and Planning / Development Assessment / Engineering Certification / Development Engineering |
| **Reports to** | Section Manager Engineering Certification / Development Engineering |

**Vision**

A vibrant organisation doing great things.

**Purpose**

To provide valuable services that strengthens and supports the Central Coast Community.

**Values**

Decisions, actions and behaviours are governed by our Corporate Values; Be Safe, Serve, Collaborate, Improve, Be Your Best and Be Positive. All employees have a responsibility to uphold and champion these values.

Primary Role Statement

In contributing to the overarching vision and purpose, the role of Traffic and Transport Engineer is responsible for contributing to the functioning of the Engineering Certification and Development Engineering Sections within Development Assessment through analysing modelling and other traffic engineering information for development, planning and strategic proposals with consideration of the safety of all road users and performance of the road network in accordance with legislative requirements, Central Coast Council (CCC) policies and procedures, industry best practice and in a cost effective and environmentally sensitive manner.

**Key Duties and Responsibilities**

* Investigate and Develop strategies for improvements to the road network in conjunction with Strategic Planning and Traffic Sections to ensure the safe and efficient movement of traffic and to provide for pedestrian/cyclist safety and the enhancement of residential amenity
* Review concept or detail engineering designs and cost estimates for specific major projects to current design requirements (e.g., Transport for NSW, Austroads and supplements, etc) Provide technical advice on road safety, design, and traffic management matters
* Provide technical advice on the impacts that CCC, other Government Authorities and private developments have on the local road network, engineering facilities and adjoining properties and report on these issues as required
* Review and submit signage and pavement marking designs together with commentary to and attend the Local Traffic Committee as necessary providing information regarding proposed developments.
* Provide advice to internal and external stakeholders and have a strong and demonstrated understanding of road safety requirements including Safe Systems principals and assessments, Road Safety Auditing, Movement and Place as well as other contemporary assessment systems such as AusRap.
* Undertake Safe Systems Assessments and Road Safety Audits of various transport projects and assess Safe Systems and Road Safety Audit Reports.
* Assist and/or undertake the review of or creation of traffic and/or road safety related planning controls and policies.
* Undertake technical assessments and analysis of impacts that Development, Pre-Lodgment and rezoning applications as well as State determined developments may have on the road network and adjoining land uses, including the recommendation of appropriate treatments to mitigate impacts through the sound application of traffic engineering principles with due consideration of impacts or issues that may occur far outside of the development footprint. This will include the wording of appropriate consent conditions.
* Assist in major strategic and local traffic studies and modelling for urban release areas, town centres, rezoning and new developments to assist in the formulation and assessment of designs and recommended future actions
* Awareness of new legislation, technologies, products and methods relating to traffic modelling, road safety and traffic management devices to ensure compliance with current regulations and industry best practice
* Assist in Local Area Traffic Management (LATM) schemes and Section 7.11 Contribution schemes in relation to traffic matters, design of systems for the prioritisation of works identified under the LATM and Section 7.11 contribution schemes and other road safety projects
* Ensure that the assessment and consideration of any traffic, road safety and transport issues consider all road users, particularly vulnerable road users.
* Interrogate complex traffic studies, including computer and manual modelling and analysis of traffic and transport matters, for proposed and existing scenarios, and develop commentary for use by Council, TfNSW, and for the provision of information to the public and other organisations and for various Council planning purposes.
* Assess major developments to ensure compliance with TfNSW, CCC and relevant standards and policies regarding traffic and transport including the implementation of any State Government policies/planning instruments.
* A fundamental understanding of ‘Movement and Place’ and how this informs road safety and traffic engineering in the planning environment.
* Assess complex road and intersection designs, in consideration of a variety of complex design guides applying & prioritising relevant, in context and fit for purpose State and local requirements, including parking/pedestrian/cyclist/shared facilities and other road related issues such as signposting and pavement marking
* Contribute to review of project briefs and tenders for external consultancies
* Represent and undertake decisions on behalf of Council by acting as an expert witness in legal proceedings (S34 & LEC) and other circumstances relating to traffic and road safety matters
* Contribute to the development and improvement of WH&S and risk management initiatives and practices for the Unit
* Perform any other duties, tasks or projects the employer may assign, having regard to the incumbent’s skills, training and experience;

**Authority and Accountability**

* Take care of your own health and safety and that of others. Comply with any reasonable instructions and apply Council’s Safe Systems of Work consistent with the Responsibilities, Authorities and Accountabilities of your role;
* Policy and procedures are readily available but the Traffic and Transport Engineer is required to choose the appropriate processes. Unusual problems may be referred for clarity of policy or direction;
* Decisions affect the work and activities across a major function or a number of Units;
* The work of the Traffic and Transport Engineer influences a number of separate community groups through policy application and development;
* The Traffic and Transport Engineer is responsible for ensuring that operational safety standards or other requirements are met at an operational level;

**Personal Attributes**

* Give frank and honest feedback/ advice and seek to listen and understand when ideas are challenged;
* Represent the organisation honestly, ethically and professionally and encourage others to do so;
* Demonstrate a high level of personal motivation, take opportunities to learn new skills, develop strengths and examine and reflect on own performance;
* Support initiatives that create an environment where diversity is valued.

**Interpersonal Skills**

* Write fluently in a range of styles and formats and tailor communication to the audience;
* Identify customer service needs, understand customer perspectives and implement responsive solutions.
* Build cooperation and overcome barriers to information sharing and communication across teams/ units;
* Lead and facilitate productive discussions with staff and stakeholders, encouraging others to talk, share and debate ideas.

**Business Enablers and Technical Skills**

* Provide guidance, coaching and engage staff in change process and recognise cultural barriers that undermine change;
* Use expertise and seek others assistance to achieve work outcomes;
* Ensure current work plans and activities support and are consistent with organisational change initiatives;
* Research and analyse information, identify interrelationships and make recommendations based on relevant evidence;
* Ensure that actions of self and others are focused on achieving organisational outcomes;
* Support compliance with records, information and knowledge management requirements of the organisation;
* Evaluate progress and identify improvements for future projects.

**Teamwork**

* Ensure team objectives achieve business outcomes that align with organisational policies;
* Plan and monitor resource allocation effectively to achieve team objectives.

**QUALIFICATIONS**

**Essential**

* Degree in Civil Engineering, or related field or demonstrated solid contemporary experience in a similar role combined with ongoing professional development;
* Current Class C Driver’s Licence;
* Construction General Induction Card.

**Desirable**

* Road Safety Auditor on the TfNSW NSW Register.
* Training in Safe Systems Assessments
* Post graduate qualifications in related technical fields

**ESSENTIAL EXPERIENCE**

* Experience in assessing and reporting on traffic and parking matters
* Experience in road traffic and intersection design, and assessment.
* Demonstrated experience in preparing complex traffic studies, traffic modelling, modelling of intersections (SIDRA preferably) and cost estimating for civil engineering works
* Experience working in Local Government
* An innovative approach to the application & understanding of relevant guidelines for traffic generation and the application of traffic engineering principles and road safety principles.
* Ability to make sound judgements in assessing impacts of all types of proposed developments on the road network and in applying engineering design guidelines for the installation of appropriate traffic engineering principles
* Ability to ensure that methods, software and procedures used in traffic modelling and planning are in keeping with current professional standards and are appropriate to CCC’s needs
* Strong analytical skills

Key Relationships

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| Internal | External |
| Section Managers/Team Leaders | Members of the Public/residents/ratepayers |
| Planning | Commercial/industrial/development representatives (e.g. Vendors, builders, clients) |
| Other Council employees (not including direct reports) | Community Organisations – service clubs etc. |
|  | Consultants, solicitors and other professionals |
|  | State and Federal Government Agencies |