



Professional Profile

Judith is a Transportation Engineer and Director of CKL with a strong technical background in development projects for private sector clients. She has over 20 years' experience in preparing Integrated Transportation Assessments, Travel Plans and feasibility studies for developments as well as developing transport masterplans for both the public and private sector. Judith is also an experienced project manager, leading a range of projects with multi-disciplinary engineering inputs, placing a strong focus on client risk and project commerciality. She regularly acts as an expert witness and as an Independent Hearings Commissioner.

Qualifications

- BEng (Hons) Civil Engineering (UK)
- MSc Transportation Engineering & Planning (UK)

Professional Affiliations

- CEngNZ - Chartered Member Engineering NZ
- IntPE NZ – International Professional Engineer NZ
- CEng – Engineering Council UK
- MICE – Member Institute of Civil Engineers UK

Areas of Expertise

- Transport Master Planning
- Project Management
- Integrated Transportation Assessments (ITA)
- Travel Planning
- Expert Witness
- Independent Hearing Commissioner

Employment History

2018–Present	CKL
2010-2018	TDG
2006-2010	Gifford (UK)
2005-2006	WSP Group (UK)
1995-2005	Arup (UK)

Experience

Te Ahu a Turangi, Manawatu Gorge SH3 Replacement NOR Hearing

One of four Independent Hearing Commissioners granted delegated authority by Palmerston North City Council, Manawatu District Council and Tararua District Council to consider three notices of requirement lodged by NZTA. The three-week hearing in 2019 attracted over 730 submissions from the public and interested parties, and dealt with a complex range of issues, including impacts on sensitive ecological habitats, passage of the route through an operational wind farm and impacts on a unique agricultural research station. The decision and associated conditions were drafted collaboratively and within statutory timeframes.

Kiwirail Hub, Palmerston North NOR Hearing

One of four Independent Hearing Commissioners granted delegated authority by Palmerston North City Council to consider the notice of requirement lodged by Kiwirail for a new 177ha rail hub at Bunnythorpe. A range of potentially significant effects on the local community were considered in detail, including noise, landscape and social impact effects.

Home Straight Office Development, Hamilton, Resource Consent Hearing

One of three Independent Hearing Commissioners granted delegated authority by Hamilton City Council to consider whether resource consent should be granted for a publicly notified office development at the Home Straight Business Park, Hamilton. Key issues considered during the two-day hearing included parking overspill, shading and the centres assessment required to support office development outside of the Hamilton CBD which is the policy preference set out in the District Plan.

Digital Billboards, Christchurch City Council

Sole Commissioner appointed to make s95 notification decisions for two separate digital billboard locations within the city and subsequent s104 decision for one site.

Tirau Traffic Study, South Waikato District Council

Project Manager delivering a comprehensive study of Tirau assessing the dual through traffic and access function of SH1 throughout the town. The study included considering both physical and operational opportunities and constraints which involved extensive data collection and attitudinal surveys. The output from the project was to identify a matrix of short-, medium- and longer-term projects supporting the access or through traffic function of SH1.

Experience

University of Waikato Masterplan, Hamilton

Project Manager responsible for developing an access and parking strategy to support the long-term vision for the University developed through the wider strategic masterplan. The objective of the masterplan was to create a 'sticky campus' where people want to live, work and play. The project involved collating existing data to provide a high-level picture of how the University functions from a transportation and access perspective and how to create a strategy that aligned with the masterplan objectives. Following on from the core project, a transport strategy delivery blueprint was developed to assist the University with understanding who their key external stakeholders are, individual project interdependencies and opportunities and with overall decision making and tracking.

Te Awa Lakes, Hamilton

Project Manager responsible for assessing the effects of a proposed 75ha plan change from industrial to mixed residential, commercial, and tourist-based activities at Horotiu Interchange on the Waikato Expressway. The project involved the use of Waikato Regional Traffic Model to assess wider network effects and the area of influence of the plan change before detailed intersection analyses was carried out to identify specific mitigations associated with the plan change.

Plan Change 1, South Waikato District Council

Providing specialist transportation engineering skills to assess the effects of a proposed Council-led Plan Change supporting a further 25ha of business zoning within Putaruru. A key feature of this project has been to consider not only the potential effects within the lifespan of the District Plan, but also at a strategic level, both in terms of network capacity and safety, to ensure that the long-term traffic effects of the rezoning were understood. This has included drafting plan provisions to appropriately manage development and associated expectations of effects mitigation.

Rotokauri Rise Stages 6 – 8, Hamilton

Provision of transport masterplanning input, particularly in relation to considering walking and cycling connectivity, suitability of proposed road cross sections to perform desired functions and network capacity assessment to support the development of around 800 residential lots. This has specifically included the consideration of location and form of intersections to integrate with the existing road network and also consideration of the proposed road network in the context of the Structure Plan requirements, leading to an agreed variation through demonstration of suitability of proposals. The project also involved use of the Waikato Regional Traffic Model to assess traffic effects at a network scale.

Experience

Southern Gateway, Auckland

Project Manager for delivering traffic and transportation expertise for the Southern Gateway which is a 200ha industrial subdivision located near Auckland Airport. Transportation advice was required to identify the location and design of the future road network within the site and to ensure a fair balance of effects between the multiple landowners within the site. This has been a complex process due to the nature of the controls set out in the AUP and the need to work closely with Auckland Transport, Auckland Airport and NZTA as road controlling authorities to negotiate agreement for the principle and layout of access to the site.

South Waikato District Minimum Parking Standards Review, South Waikato District Council:

Project Manager leading the review of the District Plan in the context of the removal of minimum parking standards as required by the National Policy Statement – Urban Development. The review considered four key land uses (residential, commercial, industrial and community) in the context of the three main towns of South Waikato, what the implications of removing minimum parking requirements might be, and what changes would be needed to the District Plan.

Southern Links Rooding Review, Hamilton

Project Manager overseeing engineering risk and options review of Southern Links project being developed by NZTA, Hamilton CC, Waikato DC and Waipa DC, site visits, risk matrix assessment and route options ranking, identification of preferred route and reporting. The review was undertaken on behalf of a private client to assess the relevant route option risks and identify a preferred alignment based on the published schemes.

Transport Metrics for Measuring Place Function of Urban Arterial & Strategic Network Roads – Waka Kotahi (NZTA)

Coordinating the delivery of a research project encompassing a literature review of New Zealand and international best practice, identification of performance measurement framework, and application of the framework to a case study road.

Diamond Creek Farms, Te Uku

Project Manager for the delivery of an Integrated Transportation Assessment for a proposed Plan Change to enable a residential subdivision east of Raglan. The critical transport-related aspect of this project was providing access at a suitable location to the state highway network for both vehicles and pedestrians. The Plan Change was undertaken in conjunction with the update to the Waikato District Plan and evidence was prepared as part of submissions to the District Plan update.

Te Rapa Gateway, Hamilton

The Te Rapa Gateway project is an industrial area on the opposite side of the railway from The Base Shopping Centre. The area features a range of industrial activities including warehouses, manufacturing facilities and distribution centres. A transport hub that integrates with The Base is also included. The project involved calculating the number of vehicle movements likely to be generated by the future industrial activities and ensure that the road network was appropriately designed. This also included consideration of future development within the Rotokauri subdivision area. Monitoring surveys have also been undertaken to ensure that the actual rates of traffic generation align with what was anticipated.

Experience

Auckland Airport 'The Landing' Precincts A - E

Project Manager responsible for the delivery of an Integrated Transportation Assessment satisfying a resource consent condition for a major industrial development including identifying a new intersection form at State Highway 20A / Landing Drive intersection. Subsequent to satisfying the condition, additional work considering the safety elements of terminating a motorway at a signalised intersection has been undertaken. This has involved complex SIDRA modelling, delivery of concept designs and negotiation with Waka Kotahi.

Rotokauri Arterial Road, Hamilton

Providing intersection design input, traffic modelling and delivering an Integrated Transportation Assessment for the future arterial road network for the Rotokauri residential growth cell, Hamilton. The project is a new approach for Hamilton City Council, working with a private developer to deliver the enabling infrastructure to support urban growth.

Plan Change 29, Ohaupo Road, Te Awamutu

This is a private plan change project to rezone rural land to residential to enable the delivery of 400 new homes. An Integrated Transportation Assessment has been prepared, including options assessment for a new intersection with SH3 and a significant review of local, regional and national transportation policy, with a particular focus on the NPSUD and Emissions Reduction Plan. Consideration of emerging land use planning policy has also been a key factor.

Waikato District Health Board Regional Renal Centre, Hamilton

Provision of specialist traffic and transportation expertise to the masterplanning stage for the delivery of a new regional renal centre within the existing Waikato Hospital site. The key challenge on this project has been to plan for current and future needs within a constrained and active location, ensuring suitable levels of vehicle access, parking, drop off facilities and service vehicle access.

Princes Street Notice of Requirement, South Waikato District Council

Assessing traffic effects of a proposed new access road to Growth Cell 4 in Putaruru, contributing to s32A report and providing expert evidence. The Integrated Transportation Assessment has included an assessment of alternative access options as required under the RMA.

Lakewood Development, Cambridge.

Delivery of site masterplanning advice for a major mixed-use development in the heart of Cambridge including retail, residential and commercial uses. Included the delivery of an Integrated Transportation Assessment considering the effects of the proposed development before and after the completion of the Waikato Expressway and revocation of State Highway 1 status for major roads through the town.