

Jason Bartlett

Traffic and Transportation Engineer

Qualifications

2007 Chartered Engineer and Member of the Institution of Civil Engineers
1994 BE Civil (Hons) University of Canterbury
1993 NZCE (Civil) Otago Polytechnic and Central Institute of Technology

Memberships

Institution of Civil Engineers - Member and Chartered Engineer (CEng MICE)
Institution of Professional Engineers New Zealand - Graduate member (G.IPENZ)

Jason Bartlett is Director of Bartlett Consulting, an engineering consultancy based in Queenstown and operating throughout the South Island.

Jason is a traffic and transportation engineer with over 25 years' experience working with planners, developers and local authorities. As a traffic design engineer, Jason has developed effective traffic solutions to manage current and future traffic demands.

Specialising in transport assessments to support resource consent applications, Jason can help to get a project moving. By considering an integrated approach across all modes of transport, he is able to provide realistic traffic and parking demand figures. This ensures workable solutions and efficient use of development sites.

He has managed a number of successful projects which have significant urban design and public consultation elements. Jason can develop these projects through the design and implementation phases. It is this experience that ensures that a concept design can become a successful project.

Everyone benefits from improved road safety. Jason is an experienced road safety auditor, reviewing designs so they meet standards and guidelines, with the aim of reducing frequency and severity of road crashes.



Specialisations

- Transport assessment reports for resource consent applications
- Traffic generation and parking demand assessments
- Safety audits of road networks, road projects and development related road infrastructure
- Transport design advice for subdivision and development projects
- Intersection design and traffic engineering advice
- Design and safety audits of pedestrian, cycle and bus priority infrastructure
- Innovative transportation solutions

Career Summary

- Transport Engineer and Director, Bartlett Consulting, 2012 to present
- Senior Transportation Engineer, GHD limited, 2008 to 2012
- Principle Traffic Consultant, AECOM (UK), 2002 to 2007
- Traffic Engineer, Bartlett Consulting Limited (UK), 1999 to 2002
- Roading Engineer, MWH Limited, 1995 to 1999
- Technician, Royds Garden (now MWH Limited), 1990 to 1994

Development and Subdivision

Jason works with a number of clients on residential, commercial and industrial developments within the Queenstown Lakes and Central Otago Districts. He has assisted developers through the planning and design process on projects ranging from individual sites through to large-scale subdivision. This includes:

- provision of transport assessments at resource consent stage
- estimates of traffic generation to identify potential impacts
- parking demand assessments to guide site design
- detailed design development
- assistance during the engineering approvals stage.

Safety Audits

Road safety audits may be required at various stages of development design. Jason has broad experience in both undertaking road safety audits and providing the designer's response. His work on these audits has brought a number of new ideas into the provision of roading infrastructure. A major element of learning is the importance of speed assessments within the design and the safety audit to gain a better understanding of risk and exposure when considering the NZTA safe system approach to road safety.

Local Authority Projects

Working with local authorities, Jason has assisted in projects to improve the local road environment. In Central Otago this has included the design of pedestrian infrastructure which has the added benefit of creating traffic calming to slow vehicle speeds within the town centres of Clyde and Cromwell. Work for Southland District has included the design of improvements to the Stewart Island Wharf which is used by visitors, locals, freight operators and the fishing fleet. The improvements allow the wharf to operate efficiently and safely for all users.

Network Management

Jason has been involved in the management of safety aspects of the DOC West Coast Roads which provide tourist access to the west coast glaciers. This included speed management in areas where pedestrians and cyclists shared the road space.

As a network roading engineer for Queenstown Lakes District, Jason was responsible for monitoring the safety of the network. By reviewing crash data and resource consent applications he was able to advise on effective road improvements.

Pedestrian and Cycle Improvements

Jason has worked on the design of pedestrian and cycle provision in New Zealand and in the UK. Through the safe system approach he has implemented infrastructure to allow pedestrians and cyclists to safely share the road space.

Bus Priority

Jason has been involved in the development and design of a number of bus priority schemes in Christchurch and the UK including:

- development and planning of bus priority routes
- infrastructure for rural bus routes
- design of urban bus infrastructure in high traffic areas.

Major Motorway Projects (UK)

Jason's insight into driver behaviour and traffic management at intersections led him into key roles in the development of major motorway traffic management schemes in the UK. This included lead designer for the fixed signs and markings for the M42 Active Traffic Management scheme. This utilised past research and on-going safety assessments to develop an innovative traffic management scheme which adapts to changing motorway traffic conditions.