



# ViaStrada Ltd

## Company profile

ViaStrada is a transport planning and design consultancy based in Christchurch.

We provide professional services for national, regional and local authorities as well as for private clients throughout New Zealand and Australia.

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TRANSPORT PLANNING AND DESIGN



# Our team



ViaStrada is a team of dedicated transportation planners and engineers, with a wealth of experience and expertise. Whether your project involves solving a local transport engineering problem, or getting help with nationally applicable transport related research, we can help.



**Axel Downard-Wilke** | Director

**Senior Transportation Engineer & Transportation Planner**

Axel specialises in sustainable transport, urban traffic engineering, traffic signals, road safety, intersection modelling and transport planning. He shares his expertise through professional training courses and university lectures and is the instigator of the 'planning and design for cycling' training. Axel's skills have been sought for projects with a national scope and he has presented extensively at conferences and workshops in Australasia.

[axel@viastrada.nz](mailto:axel@viastrada.nz) 027 292 9810



**Glen Koorey** | Director, Senior Transportation Engineer & Transportation Planner

Glen specialises in road safety and sustainable transport, with expertise in walking, cycling, and speed management. He has researched the effects of traffic speeds extensively, travelling widely to study overseas practices in street treatments, speed limits, cycling infrastructure and cycling safety. Glen has produced over 150 peer-reviewed publications and presentations. Findings from some of his technical papers and research reports have been incorporated into national industry documents.

[glen@viastrada.nz](mailto:glen@viastrada.nz) 027 739 6905



**John Lieswyn** | Director, Senior Transportation Planner

John designs streets for all transport modes, ages and abilities. He prepares master plans, business cases, and undertakes a variety of transportation research. John has extensive experience in automatic data collection, demand estimation, and level of traffic stress modelling. He is a specialist in school and workplace travel planning and, since 2016, has curated the NZ Travel Planners website which provides a platform for collating resources and exchanging best practices.

[john@viastrada.nz](mailto:john@viastrada.nz) 021 226 2929



**Warren Lloyd** | Director, Senior Transportation Engineer

Warren's expertise is using form and function to design for all road users, focusing on pedestrians, cyclists and active transport modes. He uses environmental design to create people-friendly streets. Warren's design experience also includes intersections, roundabouts, traffic signals, geometric design and intersection capacity analysis. He specialises in safety including audits, crash analysis, and reduction projects. He has worked in rural road environments, urban arterial traffic design and local area traffic management.

[warren@viastrada.nz](mailto:warren@viastrada.nz) 027 292 9830





### **Jon Ashford** | Associate, Senior Transportation Engineer

Jon has a special interest in road safety and is involved in most road and cycle facility safety audits undertaken by ViaStrada. Jon has worked on a wide range of design development projects including state highways, arterial routes, town centres and schools. He has concept development and design experience with cycle facilities and extensive CAD experience which complements his transport engineering design capabilities.

[jon@viastrada.nz](mailto:jon@viastrada.nz) 027 591 5291



### **Gemma Dioni** | Senior Transportation Engineer

Gemma's key interest is ensuring that communities have access to transport choices. She uses a passion for the design of streetscapes and public spaces to support people-centred, interactive placemaking. Gemma specialises in traffic engineering where her experience encompasses intersection design that includes roundabouts and traffic signals for intersection upgrades and safety improvements. She also plans and designs for transport projects that focus on walking, cycling, public transport and safety.

[gemma@viastrada.nz](mailto:gemma@viastrada.nz) 021 400 599



### **Megan Gregory** | Senior Transportation Engineer

Megan has a wealth of experience in traffic engineering and transportation planning. She specialises in road safety and sustainable transport. Her skills include research, data analysis, modelling, technical design, strategy development, and facilitating groups and presentations. Her technical design skills include intersections and corridors for all transport modes. Megan's work has contributed to the development of industry technical guidance and training material and she has won notable awards at industry conferences.

[megan@viastrada.nz](mailto:megan@viastrada.nz) 027 907 3431



### **Milou van Mierlo** | Transportation Planner

Milou is a researcher with a focus on user experience and human-centred design. She has a special interest in the relationship between the built environment and the way it shapes road users' decision-making processes and behaviour. Milou completed the Vision Zero international course on traffic safety in Sweden, which gives her a good understanding of the safe system approach. Milou has been involved in the review of urban plans, and studies that evaluated people's experiences of outdoor public spaces.

[milou@viastrada.nz](mailto:milou@viastrada.nz) 021 194 4239



### **Helen Woodhouse** | Information Design

Helen uses skills in editing, visual design and user testing to create content that engages and informs. Her aim is to use writing and document design skills to develop documents that are fit for purpose, clear, concise and easily navigated. She supports technical content with visual aspects or translates words into graphics, allowing for different audience requirements and reading styles.

[helen@viastrada.nz](mailto:helen@viastrada.nz) 021 266 0953



# Our services

## Transportation engineering

We provide design solutions for urban and rural contexts.

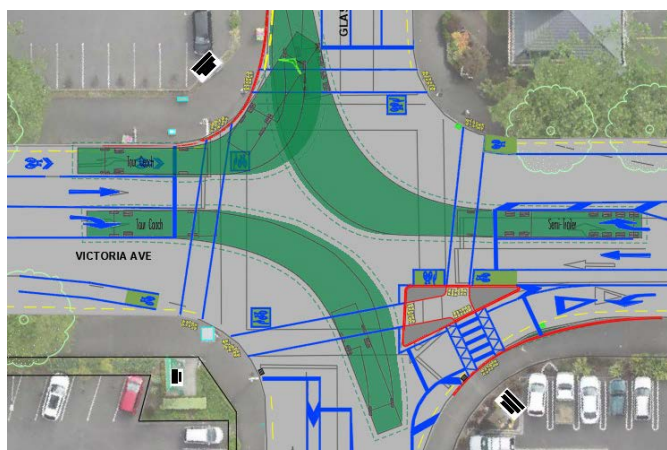
### Design and review

- Scheme investigation and concept design
- Geometric design based on complete streets and place-making principles
- Intersection design, especially roundabouts and traffic signals
- Pedestrian and cycle facility design
- Car parking and access design



### Studies and safety audits

- Level crossing safety impact assessments
- Crash reduction studies
- Existing infrastructure audits
- Road safety audits from concept through to post construction
- Peer reviews
- Formal trials of new traffic control devices



## Research and publications

We carry out transport research and policy guidance

- Research and analysis
- Literature reviews
- Traffic generation and parking studies
- Transportation field surveys
- Publications and industry presentations



### Stop and goes of traffic signals

A traffic signal auditor's perspective



## Industry guidelines and training

We use international best-practice to provide leading guidance for the industry.

- Infrastructure planning and design guides for walking, cycling and public transport
- Construction standard specifications
- Workshops and webinars covering planning and design for cycling and walking





## Transportation planning and policy

We plan for walking, cycling, public transport, freight, and private vehicles. Our aim is to help people move using different modes of transport.

- Network and area-wide transport plans
- Corridor planning for transport and land use
- Walking and cycling strategies
- Business case development
- Master Plan development
- Community and stakeholder engagement
- School and workplace travel plans
- Advice on legislation and regulations
- Speed management reviews and strategies
- Transport and parking reviews for new developments



