



Paul Roberts
Director



- Transport Strategy & Plan Development
- Multi-modal Assessment
- Programme Optimisation
- Peer Review
- Expert Witness
- Transport Network Development
- Expert Modeller
- Network-wide Safety
- Economic Assessment
- Land use Forecasting

Professional Experience

- 2009 – Present Director, QTP Ltd, NZ
- 1994 – 2009 Transport Planner-Network, Christchurch City Council, NZ
- 1991 – 1994 Senior Transportation Engineer, Ove Arup and Partners, Edinburgh UK
- 1988 – 1991 Senior Transportation Engineer, Ove Arup and Partners, Manchester UK
- 1987 – 1988 Traffic Engineer, HETS (City Council Consultancy), Leeds UK
- 1986 – 1987 Graduate Transport Planner, Ove Arup and Partners, London UK
- 1985 – 1986 Graduate Water Engineer, Ove Arup and Partners, London UK

Education and Qualifications

Chartered Professional Engineer (CPEng) & Member of the Institution of Professional Engineers New Zealand (MIPENZ)

Member of the Institute of Highways and Transportation (MIHT), UK

B.Eng. (Hons) Civil Engineering, University of Liverpool UK (1985)

SIAS Approved Paramics User

Selected Relevant experience

QTP Ltd, Christchurch NZ

Christchurch Local Cycle Route Indicative Business Plan 2017

Assistance to CCC Project Team seeking to enhance connectivity to planned Major Cycle route network. Included preparation of multi-criteria evaluation using GIS techniques of all potential cycle links, Subsequently commissioned to prepare Benefit-Cost appraisal of recommended programme.

Christchurch Hospital Long-Term Transport Strategy, 2017

Commissioned by Canterbury District Health Board (CDHB) to “develop a Long-term Hospital Parking Plan”. Advice was for need to incorporate this within a more comprehensive Transport Strategy, with the deliverable providing recommendations on strategic framework (Vision and Goals etc.), as well as more detailed matters.

Christchurch Major Cycle Routes, 2014- Ongoing

Preparation of benefit-cost appraisal (using strategic transport models) and supporting business case inputs (including GIS-based presentation material) for \$156m programme for UCF/NLTF funding applications to NZ Transport Agency, on behalf of CCC. Followed responsibility for development (2012) of the city-wide forecasting and evaluation cycle model to identify potential cycle corridor priorities and optimise cycle network investment.

NZTA Research Programme – Travel Demand Uncertainty, 2017

Advice on transport modelling methods and uncertainty (as part of wider research into Real Option appraisal), published as RR620 (June 2017).

Network Analysis for Transport Business Case, 2016

Acting as a sub-consultant, QTP were responsible for around 90% of the model and GIS analysis required to support preparation Council's Transport Network Business Case.

Auckland East-West Connections – Detailed Business Case, 2015

Peer review of detailed business case for a major (\$1b+) project, focussing on economic assessment and modelling inputs, on behalf of NZ Transport Agency.

Christchurch Strategic Transport Models (CTM/CAST v09 Update) 2015

Responsible for preparation of the critical land use scenario inputs on behalf of model partners (including CCC and NZ Transport Agency), this included significant data assembly, analysis and management components.

Christchurch Central Recovery Plan, 2013

Update to strategic transport models on behalf of CERA to reflect latest land use and network operation plans.

Christchurch Transport Strategic Plan, 2011-2012

Lead external advisor to CCC project team: Included development of integrated future transport network hierarchy (system and application) and supporting GIS material since integrated within adopted Strategy and subsequent NOPs and development/application of programme/project prioritisation assessment framework.

Christchurch Central City Recovery Plan, 2011-2014

Assistance to CERA & CCC with assessment of transport layer options for the CCRP. Included development of central city Parking Redistribution model and multi-criteria assessment framework and inputs to sieve options.

Transport Planning Services, 2009-10

Effective secondment to CCC for 4 days per week for a period totalling 18 months. Included transport planning advice to Council for most major development proposals (Plan Changes/Resource Consent & Environment Court where necessary), including three 2500 household residential subdivisions, two 100ha+ industrial areas and 3 major mall expansions.

Christchurch City Council NZ

CCC Transport Improvement/ Scheme Plan Assessment Teams, 1997-2009

Paul was the key internal transport planning advisor on most of CCC's major infrastructure works over this period. He was a member of the core groups which ensured strategy alignment, oversaw scheme planning, and evaluated, prioritised and programmed all major CCC transport network improvements (for all modes) in Christchurch. He also provided technical liaison with NZTA over many projects of shared interest.

Metropolitan Christchurch Transport Statement (MCTS), 2003-2004

Paul was the principal author (90%+) of this guiding strategy for Christchurch, resulted in councillors approving \$200m of additional transport expenditure; Integration within subsequent LTCCP.

Christchurch Bus Xchange, 2000

Paul provided initial transport planning and traffic engineering advice and significant input to the final scheme design of this award-winning public transport project. He was also responsible for assessment and evaluation of subsequent PT network strategies within multi-disciplinary project teams.

City Plan development hearings and Environment Court References, 1997-2003

Paul prepared and presented evidence on behalf of CCC for most significant development areas within the City, following input to the development of transport objectives, policies and rules within the original Plan (1995).

Christchurch Transport Model, 1995-96

Virtually solely responsible for development of the strategic Christchurch Transport Study (CTS) Model. (acknowledged by Peer Reviewer as the 'best model development report to date in NZ'). This model was used as the foundation for strategic transport planning in Christchurch for over 10 years, until the more recent update to CTM - which still uses many of Paul's original sub-model concepts.

A Review of Parking Strategy in Christchurch, 1994

Responsible for an independent review of the requirements for off-street car parking facilities in the city centre, followed by a more general assessment of alternative parking policies that could be pursued by the City Council.

A Review of Public Passenger Transport in Christchurch, 1994

Paul was initially engaged by CCC on a contract basis to perform a complete review of public transport use and organisation within the City and develop recommendations. He identified measures to improve public transport patronage, which could be pursued under the then current or modified legislation. This report led to formation of joint City Council/Regional Council committee to oversee subsequent initiatives, including the first Christchurch Metro Strategy. Paul was also subsequently offered a full-time role with CCC.

Ove Arup and Partners, UK

Edinburgh Western Corridor Busway Study, 1991-94

Responsible for demand modelling, revenue and economic social cost-benefit forecasting, along with operations and alignment engineering for segregated busway to the Airport, including bus priority design on existing streets within the CBD. Included development of a study-specific mode-choice model to assess Park & Ride potential.

Masterplanning and Assessment, 1986-94

Principal roles in multi-modal transport master-planning in Glasgow (Celtic football stadium), Edinburgh (International Convention Centre), and Aviemore, Johnstone & Shrewsbury town centres. Other work over this period included sole responsibility or significant input into transport planning for major mixed use regeneration areas in Wath-Manvers (Yorkshire), Trafford Park (Manchester), Lille (France) & Stockley Park (Heathrow), scheme development, assessment and/or evaluation for all or part of 4 Light Rail schemes, in Glasgow, Croydon, Manchester and Lille, and parking and access advice for a multitude of individual development projects (including term appointments for Tesco UK Ltd.). Responsible for preliminary design of comprehensive cycle network for Leeds (HETS).