



Tim Wright
Director



- Project Management
- Private & Public Transport Model Building
- Strategic Transport Assessments
- Economic Assessment
- Transport Assessments
- Cycle studies
- Bus Priority Studies and public transport planning

Professional Experience

- 2009 – Present Director, QTP Ltd
- 2005 – 2009 Associate, Beca Infrastructure Ltd
- 2001 – 2005 Transport Planning Team Leader, Mott MacDonald Ltd, Norwich, UK
- 1999 – 2001 Senior Transport Planner, Opus International Consultants, Auckland
- 1997 – 1999 Transport Planner, WS Atkins, Birmingham, UK

Education and Qualifications

- M Eng (Hons), Civil Engineering, University of Nottingham, UK
- CPEng (Chartered Professional Engineer)
- CMEngNZ (Chartered Member of Engineering New Zealand)
- MIHT (Member of the Institute of Highways and Transportation), UK
- TRANSIT, VISUM and SATURN Transport Modelling Software Courses, UK
- Public Transport Planning Course, Monash University, Auckland
- Project Management Courses: Opus International Consultants, Auckland, Mott MacDonald Ltd, Norwich, UK and Beca Infrastructure Ltd, Christchurch

Selected Relevant experience

QTP Ltd

Tauranga Ōtūmoetai Loop Operations Model and Mode-shift Peer Review 2023-ongoing

Peer review of modelling to inform the development of a Single Stage Business Case (SSBC) for an Accessible Streets programme for the Ōtūmoetai Peninsula on behalf of Tauranga City Council.

Otaki to North of Levin Assistance to Horowhenua District Council 2022-ongoing

Modelling for growth areas using the Ō2NL model (developed by Tim and owned by Waka Kotahi)

Auckland SH22 Modelling Peer Review 2023-ongoing

Peer review of AFC's update of the 'S3M' Southern Sector Saturn Model to form the updated Supporting Growth Alliance (SGA) model

PC25 Warkworth Proposed Rezoning Traffic Modelling, Middle-Hill Ltd, 2020-2021

Application of the Puhoi to Warkworth Interchange Toll (SATURN) Model to assess potential impacts of proposed rezoning. A large number of model runs were undertaken in a short time period to assist with development threshold modelling under alternative network scenarios.

Otaki to North of Levin DBC Assistance, Stantec, 2020

Subsequent to completing the O2NL Traffic Model Update to v20a, Tim worked with Stantec to model a number of scenarios for the Expressway around staging and alternative interchange configurations canvassed during public consultation.

Tauranga Transport Strategic Model Update Model Specification Assistance, Tauranga City Council, 2020

Tim was appointed to assist TCC to provide assistance with their development of the scope / specifications for the TSM update to a 4-step model to be put out to tender.

Tauranga System Plan, Tauranga City Council, 2020

Tim was appointed to Peer Review modelling conducted by Beca of a comprehensive package of proposed transport measures comprising the Transport System Plan. The review included mode-share methodology, land-use inputs, scheme coding within the CUBE software and sense-checks of model outputs.

Otaki to North of Levin Traffic Model Update to v20a, Stantec, 2015-2020

Appointed by consultants Stantec (previously MWH), Tim reviewed, developed and applied the model in a number of iterations. He developed an innovative approach to meet HDC's desire for segmentation of the light vehicle trip generation and distribution model to some 25 'quasi-purposes'. The interesting exercise in comparing the resulting modelled flows from a relatively detailed purpose-model to those of a single class resulted in only marginal impacts on assigned traffic volumes and model accuracy. The fully updated model included moving to 2018 census data, further refinement of zonal and network resolution, an update to the external trip model, including GPS-based OD data, comparison to 2018 count and travel time data, and extension of the model to include a planned major new subdivision.

Otaki to North of Levin DBC Assistance, Stantec, 2019-2020

Tim was appointed by Stantec to continue to provide traffic modelling support to their transportation team as the project moved into the Detailed Business Case phase. In late 2019, he was appointed to liaise with Horowhenua District Council's advisor to address concerns they had with the model and how it may be further enhanced to better suit the local authority's transport planning requirements. To this end, a scoping report was jointly developed and agreed for how the model may be further enhanced.

Tauranga Freight Model Improvement, Tauranga City Council, 2020 Ongoing

Peer Reviewer for a study that sought to use regional freight-study estimates of growth in commodity transportation to update the existing heavy vehicle model component of the Tauranga Strategic Model.

Urban Form and Transport Initiative (UFTI) Model Audit, Tauranga City Council, 2020

Building on his experience with the Citywide Intensification Peer Review Tim was appointed to 'audit' the modelling being undertaken for this long-term growth strategy by the 'SmartGrowth' partners.

Tauranga Citywide Intensification Peer Review, Tauranga City Council, 2020

Peer Reviewer to advise on the risks / limitations associated with the modelling to be conducted using the Tauranga Strategic Model (TSM) for supporting evidence as to the transport effects of a proposed Council plan change (to the District Plan) to allow residential intensification in the city, Proposed and agreed with the consultants conducting the work the basis for appropriate (reduced) trip rates for higher density development. The process developed involved a calculated response to the assumed vehicle ownership at a model zonal level, enabling a more realistic level of trip-making to be assessed. This enhancement to the trip generation aspect of the model was adopted within the standard TSM for all modelling appraisal.

Christchurch Northern Corridor CAST Modelling Peer Review, NZTA, 2019

Tim was appointed by NZTA to undertake an in-depth Peer Review of the traffic modelling undertaken in support of various options for HOV lane provision as part of the Christchurch Northern Corridor transport improvements. Tim's in-depth knowledge of the CAST model and attention to detail resulted in some modifications to the modelling and provided a greater level of confidence to the NZTA and CCC in the results of the modelling.

Christchurch Transportation Models Update to v18, ECan 2018 to 2019

Appointed on behalf of the Greater Christchurch Partnership Model Management Group to update both the regional travel demand estimation CTM model and the more detailed simulation CAST model to latest demographic projections and to extend the simulation area of CAST to include the major townships within Greater Christchurch. Tim's particular focus was the extension of the CAST simulation coding beyond Christchurch City to include the townships within Selwyn and Waimakariri Districts.

New Lynn to Avondale Shared-Use Path, Auckland, DBC Peer Review, NZTA, 2018

Tim undertook the Peer Review of the cycle modelling and economic appraisal of the benefits of the proposed SeaPath SUP as part of the DBC being prepared for this project. Tim identified the need for zonal and network refinement to accurately forecast cycle demands and the economic benefits for this project.

Petone to Grenada Traffic Modelling Peer Review, NZTA, 2014

The Petone to Grenada (P2G) scheme is a major new road scheme in the Wellington region that would greatly improve access between Petone and Grenada, with associated wider network congestion relief benefits, in particular to SH1 and SH2. Tim was appointed as Peer Reviewer by the NZTA for the development of the traffic model for the project and its subsequent application.