

Public transport

RESEARCH REPORTS 2006–

Information & perceptions	<ul style="list-style-type: none"> ➤ A narrative literature review of the effectiveness of interventions to reduce light vehicle travel 2023 ➤ Transport experiences of disabled people in Aotearoa New Zealand 2022 ➤ A pathway towards understanding Māori aspirations for land transport in Aotearoa New Zealand 2022 ➤ Working paper 1: Te Puna Taiao baseline vehicle kilometres travelled by transport activities – a research note 2022 ➤ The relationship between transport and mental health in Aotearoa New Zealand 2021 ➤ The role of real-time crowdsourced information and technology in supporting traveller information and network efficiency 2016 ➤ Pricing strategies for public transport 2016 ➤ Considering a cost-benefit analysis framework for intelligent transport systems 2016 ➤ Detailed customer requirements of travel information services, and the effectiveness of current channels 2015 ➤ Literature review of the costs and benefits of traveller information projects 2104 ➤ Customers' requirements of multimodal travel information systems 2013 ➤ A wider look at how travellers value the quality and quantity of travel time 2012
Infrastructure	<ul style="list-style-type: none"> ➤ Zero emission bus economics study 2024 ➤ New Zealand's experience of transitioning to a zero-emission public transport fleet – a research note 2023 ➤ Network and asset management: benefits of real-time data 2018 ➤ The costs and benefits of inner city parking vis-à-vis network optimisation 2015 ➤ Economic benefits of park and ride 2014 ➤ Benefits and delivery risks for bus infrastructure schemes 2014 ➤ Getting more from our roads: an evaluation of special vehicle lanes on urban arterials 2014 ➤ Experience with the development of off-peak bus services 2013 ➤ Reallocation of road space 2013 ➤ Identify, evaluate and recommend bus priority interventions 2012
Public transport planning	<ul style="list-style-type: none"> ➤ Feasibility study on commercial deployment of automated public transport vehicles in New Zealand 2024 ➤ Investigation of the external noise emitted from electric buses in New Zealand and the need for acoustic vehicle alerting systems to improve road user safety 2022 ➤ Impact of half price public transport fares – a research note 2022 ➤ Developing a national measure for predictable public transport: bus, rail and ferry 2018 ➤ Assessing the value of public transport as a network 2017 ➤ Quantifying the economic and other benefits of enabling priority bus egress from bus stops 2017 ➤ Improving bus service reliability 2013 ➤ New Zealand bus policy model 2012 ➤ Appraisal of factors influencing public transport patronage 2011 ➤ Public transport network planning: a guide to best practice in New Zealand cities 2010 ➤ Measurement valuation of public transport reliability 2008
Safety & security	<ul style="list-style-type: none"> ➤ Safety of school bus journeys 2024 ➤ Transport impacts on wellbeing and liveability 2020 ➤ Framework for review and prioritisation of rail safety risks in New Zealand 2017 ➤ Best practice international solutions for mitigating human factor causes of signal passed at danger 2016 ➤ International benchmarking of rail safety indicators 2016 ➤ The role public transport can play in Safer Journeys and, in particular, to advance the safe system approach 2015 ➤ School bus safety 2010 ➤ Personal security in public transport travel in New Zealand: problems, issues and solutions 2008 ➤ School journey safety - a comparative study of engineering devices 2006

Integrated planning	<ul style="list-style-type: none"> ➤ Integrated land use and transport planning 2022 ➤ Evaluating the greenhouse gas emission reduction benefits from land transport mode shift programmes and projects 2021 ➤ Mode shift to micromobility 2021 ➤ Leveraging transport disruption to influence change 2020 ➤ Social impact assessment of mode shift 2020 ➤ Travel demand management: strategies and outcomes 2020 ➤ Urban transport modelling in New Zealand – data, practice and resourcing 2019 ➤ The assessment of the effects of small scale development proposals on the transportation network 2017 ➤ Performance indicators and measures for the place function of state highways and arterial roads in urban contexts 2015 ➤ Impact of urban form on transport and economic outcomes 2013 ➤ Living in intensified urban environments: residential self-selection and travel behaviour 2012 ➤ Generation of walking, cycling and public transport trips: pilot study 2011 ➤ The value of integrating land use and transport - Sylvia Park as a case study 2011 ➤ Forecasting the benefits from providing an interface between cycling and public transport 2010 ➤ Regional transport targets for sustainable transportation in New Zealand 2010 ➤ Incorporating sustainable land transport into district plans 2008 ➤ Intelligent transport systems: what contributes best to the NZTS objectives? 2006
Demographics	<ul style="list-style-type: none"> ➤ Accessibility: its role and impact on labour and housing markets in New Zealand’s main metropolitan areas 2021 ➤ Impacts of socio-demographic changes on the New Zealand land transport system 2018 ➤ The influence of internet use on transport demand 2018 ➤ The future of employment and economic activity and its transport and land use implications 2018 ➤ Public transport and the next generation 2015 ➤ Travel adaptive capacity assessment for particular geographic, demographic and activity cohorts 2012 ➤ Demand for transport services: impact on networks of older persons’ travel as the population of New Zealand ages 2012 ➤ Trends in older people’s travel patterns 2009
Economics	<ul style="list-style-type: none"> ➤ Incorporating and assessing travel demand uncertainty in transport investment appraisals 2017 ➤ The economic impacts of connectivity 2017 ➤ Demonstrating the benefit of network operation activities 2016 ➤ Measuring the value of the movement of people and goods to inform the One Network Road Classification functional categories criteria 2016 ➤ Regionalisation of the national land transport demand model 2016 ➤ Travel time saving assessment 2015 ➤ Travel time predictability 2014 ➤ Transport productivity and sub-industry measures 2014 ➤ Drivers of demand for transport 2013 ➤ National long-term land transport demand model 2013 ➤ Econometric models for public transport forecasting 2013 ➤ The contribution of public transport to economic productivity 2013 ➤ The costs of congestion reappraised 2013 ➤ The benefits of public transport – option values and non-use values 2012 ➤ Feasibility study of a national trip-end model for New Zealand 2010 ➤ Managing transport challenges when oil prices rise 2008 ➤ Impacts of transport fuel price changes on New Zealand transport 2007

Investment	<ul style="list-style-type: none"> ➤ Monetised benefits and costs manual (MBCM) parameter values 2023 ➤ Incorporating distributional impacts (equity) in the cost–benefit appraisal framework 2022 ➤ Benefits realisation review and assessment 2022 ➤ Database of quantification and monetisation methodologies and value proxies for non-monetised benefits 2022 ➤ Cost–benefit appraisal methods for interrelated and interdependent projects/schemes 2021 ➤ Ex-post evaluation of transport interventions using causal inference methods 2017 ➤ Evaluation of the effectiveness of the New Zealand Transport Agency’s procurement policy 2017 ➤ Assessing new approaches to estimating the economic impact of transport interventions using the gross value added approach 2015 ➤ Pricing strategies for public transport 2016 ➤ Improving the cost-benefit analysis of integrated PT, walking and cycling 2013 ➤ Economic appraisal of public transport service enhancements 2013 ➤ Experience with value-for-money urban public transport system enhancements 2013 ➤ Development of a public transport investment model 2013 ➤ Economic development benefits of transport investment 2008
Access	<ul style="list-style-type: none"> ➤ The characteristics of subsidized mobility services 2024 ➤ COVID-19 transport behaviour change – a research note 2020 ➤ The New Zealand accessibility analysis methodology 2013 ➤ The social impacts of poor access to transport in rural New Zealand 2012 ➤ Demand responsive passenger transport in low-demand situations 2011 ➤ Attitudes and behaviour in relation to public transport in New Zealand’s non-metropolitan regions 2010 ➤ Auditing public transport accessibility in New Zealand 2010 ➤ Accessibility planning methods 2008