

Transport data sources

Improving the quality of or access to transport data will lead to a better evidence base on which decisions can be made about investment in Canterbury's transport network. We are working with territorial authorities, other South Island councils, and central government, to make improvements.

Options to close gaps in information will take time to implement. As an initial step, the following table summarises some of the data available to assist infrastructure owners with planning and investment decisions.

Area	Source	Link	Agency
General	NZTA transport data A range of data tools are available on NZTA's website	https://www.nzta.govt.nz/planning-and-investment/planning/transport-data/all-available-data-tools/	NZTA
	Transport Indicators Indicators that provide key information on the transport sector	http://www.transport.govt.nz/ourwork/keystrategiesandplans/strategic-policy-programme/future-demand/	Ministry of Transport
	Future demand The Ministry of Transport's Future Demand project explored the uncertainty of demand for personal travel by developing four future scenarios looking at the possible impact on travel. These are not predictions or preferences for the future transport system – rather a range of plausible futures that will help us make better investment decisions	http://www.transport.govt.nz/ourwork/tmif/	Ministry of Transport
	Transport Outlook Upcoming publication, not yet available. Will include a high-level view of the state of the transport system, commentary on emerging issues and trends, and 30-year projections of future transport demand.	http://www.transport.govt.nz/assets/Uploads/Research/Documents/2016-Transport-Knowledge-Presentations/4.3a-Ryan-MoT-Overview-of-the-transport-outlook.pdf	Ministry of Transport

	<p>Monitoring Greater Christchurch Regeneration</p> <p>The report provides a summary of regeneration progress, drawing on numerous sources of information collected and published by other agencies. The report is intended to provide the public with an easily accessible account of progress in greater Christchurch, based on data available as at 31 May 2017.</p>	<p>https://www.dpmc.govt.nz/publications/monitoring-greater-christchurch-regeneration</p>	<p>Department of Prime Minister and Cabinet</p>
Usage	<p>Assets and infrastructure</p> <p>Information about networks, including assets, congestion, vehicle kilometres travelled, bridge, road and cycle way metrics, works carried out on local roads and state highways and the condition of roads</p>	<p>https://www.nzta.govt.nz/planning-and-investment/planning/transport-data/transport-networks/</p>	<p>NZTA</p>
	<p>Transport Use</p> <p>Statistics about how people choose to travel, and the use of actual public transport, motor vehicles, walking and cycling</p>	<p>https://www.nzta.govt.nz/planning-and-investment/planning/transport-data/statistics-on-mode-of-transport/</p>	<p>NZTA</p>
	<p>State highway traffic volumes 1975-2015</p> <p>Network usage statistics for approximately 1500 monitoring sites</p>	<p>https://www.nzta.govt.nz/resources/state-highway-traffic-volumes/</p>	<p>NZTA</p>
	<p>New Zealand Vehicle Fleet Statistics</p> <p>Including monthly electric vehicle registrations, quarterly fleet statistics and annual vehicle fleet statistics</p>	<p>http://www.transport.govt.nz/research/newzealandvehiclefleetstatistics/</p>	<p>Ministry of Transport</p>
	<p>Urban New Zealanders attitudes and perceptions of cycling</p> <p>A survey of attitudes to and perceptions of cycling among people who live in our main urban centres, to help track progress toward our goal to make cycling a safer and more attractive transport option</p>	<p>https://www.nzta.govt.nz/assets/Walking-Cycling-and-Public-Transport/docs/NZTA-Attitudes-and-perceptions-of-urban-cycling-full-report-14-12-16.pdf</p>	<p>NZTA</p>
	<p>Traffic Counts</p> <p>Traffic counts sourced from certain councils</p>	<p>http://www.trafficcounts.co.nz/</p>	<p>CCC</p>

		https://www.ccc.govt.nz/transport/road-improvement-projects/traffic-count-data	
	Traffic dashboard An overview of what is happening with traffic around Christchurch	http://www.tfc.govt.nz/current-conditions/traffic-dashboard/	CCC
	Journey times Journey times for Christchurch	http://www.tfc.govt.nz/current-conditions/journeytimes/	CCC
Economics	Funding How much NZTA and territorial authorities spend on transport including infrastructure, transport planning, road maintenance, walking and cycling and passenger transport	https://www.nzta.govt.nz/planning-and-investment/planning/transport-data/funding/	NZTA
	Regional Gross Domestic Product (GDP) Regional GDP estimates	http://www.stats.govt.nz/browse_for_stats/economic_indicators/NationalAccounts/regional-gdp-info-releases.aspx	Statistics NZ
	Modelled Territorial Authority Gross Domestic Product (MTAGDP) Experimental estimates of MTAGDP	http://www.mbie.govt.nz/info-services/sectors-industries/regions-cities/research/modelled-territorial-authority-gross-domestic-product	MBIE
	Economics and demographics A number of external factors help to inform transport decision making, including population data, levels of socio-economic deprivation, fuel prices and freight statistics.	https://www.nzta.govt.nz/planning-and-investment/planning/transport-data/economic-and-demographic-statistical-data/	NZTA
Tourism	International tourism forecasts Forecasts for future tourism demand in New Zealand	http://www.mbie.govt.nz/info-services/sectors-industries/tourism/tourism-research-data/international-tourism-forecasts	MBIE
	Monthly regional tourism estimates The Monthly Regional Tourism Estimates (MRTes) provide an estimate of regional monthly expenditure on tourism from both international and domestic consumer	http://www.mbie.govt.nz/info-services/sectors-industries/tourism/tourism-research-data/monthly-regional-tourism-estimates	MBIE

	<p>New Zealand Tourism Dashboard One-stop shop for all information about tourism</p>	https://mbienz.shinyapps.io/tourism_dashboard_prod/	MBIE
	<p>International Visitor Survey The International Visitor Survey (IVS) measures the travel patterns and expenditure of international visitors to New Zealand. Data includes expenditure, places visited, activities/attractions, accommodation and transport</p>	http://www.mbie.govt.nz/info-services/sectors-industries/tourism/tourism-research-data/ivs	MBIE
	<p>Tourism Insight Series Covers tourism infrastructure, including road and rail infrastructure</p>	<p>http://www.mbie.govt.nz/info-services/sectors-industries/tourism/tourism-research-data/tourism-insight-series/tis-ch6-road-infrastructure.pdf</p> <p>http://www.mbie.govt.nz/info-services/sectors-industries/tourism/tourism-research-data/tourism-insight-series/tis-ch7-rail-infrastructure.pdf</p>	MBIE
Freight transport	<p>Draft South Island Freight Plan A starting point for conversations about how all those with an interest in the freight network in the South Island can improve our competitiveness and efficiency</p>	https://www.nzta.govt.nz/assets/resources/draft-south-island-freight-plan/docs/draft-south-island-freight-plan.pdf	NZTA
	<p>Greater Christchurch Freight Study and Action Plan The study was undertaken in three steps with sub-reports as follows:</p> <ul style="list-style-type: none"> • The Freight Demand Statement which assessed origins and destinations of demand; assessment of freight by commodities, freight hubs and generation points. This provided validation of the GCTS growth forecasts with the addition of a range of forecasts. • The Freight Infrastructure Statement assessed current infrastructure capacity, supply chain capability and identified constraints and opportunities for the future. 	<p>http://greaterchristchurch.org.nz/assets/Documents/greaterchristchurch/FreightDemandStatementV2.pdf</p> <p>http://greaterchristchurch.org.nz/assets/Documents/greaterchristchurch/FreightInfrastructureStatementV2.pdf</p> <p>http://greaterchristchurch.org.nz/assets/Uploads/Greater-Christchurch-Freight-Management-Direction-Statement-Final-Aurecon-Signed.pdf</p> <p>http://greaterchristchurch.org.nz/assets/Documents/greaterchristchurch/GCF-Action-Plan-May-2015.pdf</p>	Greater Christchurch Urban Development Strategy

	<ul style="list-style-type: none"> The Freight Management Directions Statement builds on the other two documents. It provides recommendations for further optimisation and improvements to the freight network and management practices. <p>UDS partners subsequently agreed on the Greater Christchurch Freight Action Plan</p>		
	<p>National Freight Demand Study</p> <p>A snapshot of New Zealand's current freight task and a forecast of what New Zealand's future freight task will look like over the next 30 years</p>	<p>http://www.transport.govt.nz/research/nationalfreightdemandstudy/</p>	<p>Ministry of Transport</p>
	<p>Freight Information Gathering System (FIGS)</p> <p>An overview of freight movements around New Zealand, including containerised freight, rail freight, and bulk coastal freight</p>	<p>http://www.transport.govt.nz/sea/figs/</p>	
	<p>Transport and Trade database</p> <p>New insights into New Zealand's international freight movements, providing an overview of the key results for 2015 and recent trends. Based on a new data source that Statistics New Zealand and Customs have developed, which splits New Zealand's international sea freight into bulk and containerised</p>	<p>http://www.transport.govt.nz/sea/transport-and-trade/</p>	
	<p>NZ International Airfreight</p> <p>The Ministry of Transport commissioned a study on New Zealand international air freight for both exports and imports. This research has analysed demand and available capacity, freight movement patterns and charges, as well as historic trends and future demand.</p>	<p>http://www.transport.govt.nz/assets/Uploads/Research/Documents/Airfreight-Research-Final-Report-23-March.pdf</p>	
	<p>Future Freight Scenarios Study</p> <p>The study was commissioned to provide impartial information, for the purpose of helping the freight sector plan effectively for the increasing numbers of larger ships visiting New Zealand.</p>	<p>http://www.transport.govt.nz/research/future-freight-scenarios-study/</p>	<p>Ministry of Transport</p>

	<p>Overseas cargo statistics Overseas cargo statistics record the value and gross weight of all goods loaded or unloaded at New Zealand ports – both sea and air.</p>	http://www.stats.govt.nz/browse_for_stats/industry_sectors/imports_and_exports/overseas-cargo-statistics.aspx	Statistics New Zealand
	<p>New Zealand ports and freight yearbook 2016 The New Zealand ports and freight yearbook presents a concise snapshot of selected macroeconomic and domestic drivers of New Zealand port activity and the freight task.</p>	https://www2.deloitte.com/nz/en/pages/finance/articles/new-zealand-ports-and-freight-yearbook.html	Deloitte
Freight content	<p>New Zealand's forests New Zealand's planted production forests, including area, age class and species, as well as planting and harvesting statistics</p>	https://www.mpi.govt.nz/news-and-resources/open-data-and-forecasting/forestry/new-zealands-forests/	MPI
	<p>Wood product markets Data on forestry imports and exports, and log prices</p>	https://www.mpi.govt.nz/news-and-resources/open-data-and-forecasting/forestry/wood-product-markets/	MPI
	<p>Wood processing Wood production and stock levels in New Zealand</p>	https://www.mpi.govt.nz/news-and-resources/open-data-and-forecasting/forestry/wood-processing/	MPI
	<p>Forestry Background information and statistical data on the New Zealand Forest Industry</p>	http://www.nzfoa.org.nz/resources/publications/facts-and-figures	Forest Owners Association and MPI
	<p>Agriculture production statistics Information about animal farming, crop growing, and forestry and farm practices</p>	http://www.stats.govt.nz/browse_for_stats/industry_sectors/agriculture-horticulture-forestry.aspx?gclid=Cj0KEQjw9r7JBRCj37PIItSkaMBEiQAKTzTfO6XduqdZiP0ZXwbnYHKurEjZtiWC4oIqYnybYP5eBAaAk4b8P8HAQ	Statistics NZ
Public transport	<p>Canterbury network map A network map of bus routes for Canterbury</p>	http://www.metroinfo.co.nz/map/	Environment Canterbury
	<p>Metro developer resource An overview of the data feeds that are available for MetroInfo's Bus Network in order to assist independent developers to what information is</p>	http://www.metroinfo.co.nz/Pages/developer-resource.aspx	Environment Canterbury

	available and can be integrated into their own applications		
Resilience	Resilience maps Resilience information for all state highway corridors in the top 3 One Network Road Classification (ONRC) categories	https://nzta.maps.arcgis.com/apps/MapSeries/index.html?appid=5a6163ead34e4fdab638e4a0d6282bd2	NZTA
Safety	NZTA Safety statistics Road deaths in NZ, road safety action planning tool, road safety wizard, and crash analysis reports	https://www.nzta.govt.nz/planning-and-investment/planning/transport-data/safety-statistics/	NZTA
	Road Safety Risk Analyse the road safety risks of the Local Authority road	https://roadsafetyrisk.co.nz/	Partnership
	Road Crash Statistics Spreadsheet tables and figures relating to road crashes in New Zealand	http://www.transport.govt.nz/research/roadcrashstatistics/	Ministry of Transport
	Road Safety Surveys The Ministry of Transport conducts and collates information for a number of road safety surveys every year. Survey topics include child restraints, seatbelt use, speed and the annual Public Attitudes to Road Safety survey.	http://www.transport.govt.nz/research/roadsafetysurveys/ http://www.transport.govt.nz/research/roadtoll/	
	Injury Statistics All paid injury claims for the last five years	http://www.acc.co.nz/for-individuals/injury-statistics/	ACC
	Road safety statistics for Canterbury Statistics provided by NZTA for the Canterbury region	https://www.ecan.govt.nz/your-region/living-here/transport/regional-transport-planning/road-safety/	ECan
Environment	Environment and public health Information about the impact of transport on the environment, including vehicle fuel efficiency, age and emissions	https://www.nzta.govt.nz/planning-and-investment/planning/transport-data/environment-and-public-health/	NZTA

	Greenhouse gas emissions Including by sector (transport)	http://www.mbie.govt.nz/info-services/sectors-industries/energy/energy-data-modelling/statistics/greenhouse-gas-emissions	MBIE
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