

# CANTERBURY



**\$1.7 BILLION**  
FORECAST TOTAL CANTERBURY INVESTMENT

**\$828 MILLION** FORECAST MAINTENANCE AND OPERATIONS

**\$176 MILLION** FORECAST PUBLIC TRANSPORT INVESTMENT

**\$28 MILLION** FORECAST WALKING AND CYCLING

**\$702 MILLION** REGIONAL NETWORK IMPROVEMENTS

**17%** SPEND TARGETING SAFETY

Safer and more resilient routes to cater for the growth in freight volumes and increasing tourist numbers remain the two biggest drivers for investment in the transport system throughout Canterbury.

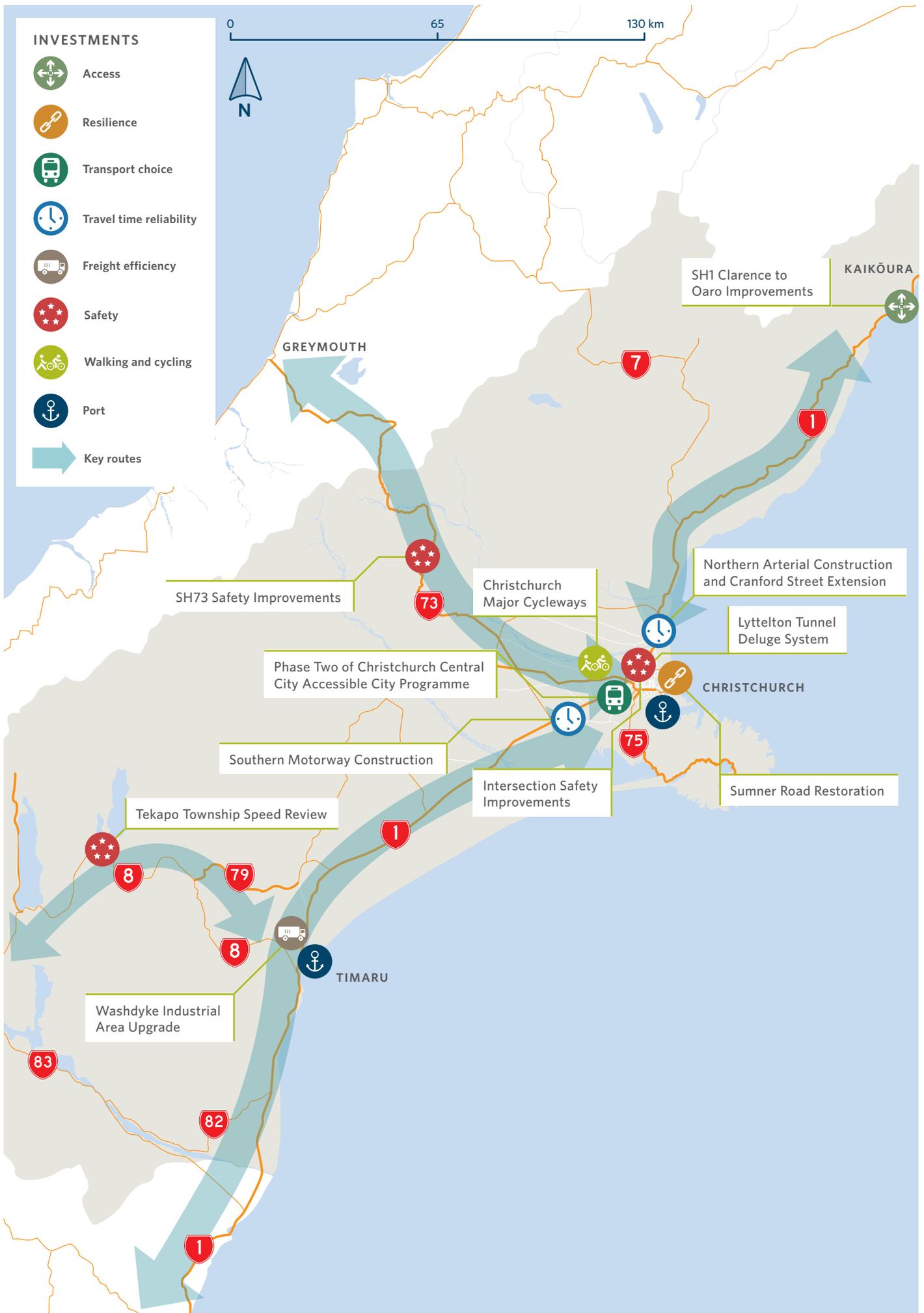
As the region produces 57% of the South Island's GDP and is the main freight distribution centre for the south, freight is a significant source of road and rail traffic through the region. Freight carriers share the road network with a growing numbers of tourists who travel quite differently. While freight journeys are often time critical, tourists are less constrained, taking time to stop multiple times along the way. The region's network needs to cater for both types of journey.

Better access remains the greatest issue for Greater Christchurch as the city and neighbouring districts of Waimakariri and Selwyn continue to adjust to the change in growth patterns following the earthquakes earlier this decade.

During the next three years transport investment in Greater Christchurch will be focused on:

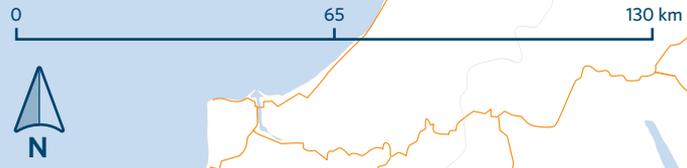
- completing construction of the Christchurch Southern Motorway and the Northern Arterial, providing better access from the south and north of the city for both commuters and freight
- progressing phase two of An Accessible City to realise the aspirations of the rebuilt city to provide safer and more convenient transport choices. This will include the upgrade of Hereford, High, Victoria and Montreal streets as part of supporting the central city rebuild. There are \$22m of projects in the NLTP for this work
- making progress on Christchurch's major cycleway network to provide safe, alternative travel choices
- planning safety and access improvements along Brougham Street.

Further north, investment in both the Kaikōura and Hurunui districts will remain focused on earthquake recovery and completing the rebuild of the state highway and the local road network.



**INVESTMENTS**

-  Access
-  Resilience
-  Transport choice
-  Travel time reliability
-  Freight efficiency
-  Safety
-  Walking and cycling
-  Port
-  Key routes



SH1 Clarence to Oaro Improvements

KAIKŌURA

GREYMOUTH

SH73 Safety Improvements

Christchurch Major Cycleways

Northern Arterial Construction and Cranford Street Extension

Lyttelton Tunnel Deluge System

CHRISTCHURCH

Phase Two of Christchurch Central City Accessible City Programme

Southern Motorway Construction

Intersection Safety Improvements

Sumner Road Restoration

Tekapo Township Speed Review

Washdyke Industrial Area Upgrade

TIMARU

## **FINISHING WHAT WE HAVE STARTED**

Stage two of the southern motorway – four-laning of SH1 from Rolleston through to Christchurch – is expected to be completed in early 2020. The Northern Corridor connecting the Waimakariri River through to QE11 Drive and Cranford Street is on schedule to be completed in 2019/20.

These two motorways will complete the Christchurch Motorways project, providing for safer travel to the north and south of the city (the first of the major state highway corridor upgrades – the Western Corridor – was completed in November 2017).

These three corridors provide better access for freight to and from the Christchurch International Airport, the Lyttelton Port of Christchurch and also to and from freight hubs in the southwest of the city, supporting economic growth of not only Canterbury but the wider South Island.

Encouraging heavy traffic away from suburban Christchurch streets will help make these communities safer for walking and cycling, and provide more efficient public transport services with improved travel times.

To the west of Christchurch, on SH73 to the West Coast, the realignment of Mingha Bluff in Arthur's Pass National Park is nearing completion, providing safer and improved access for freight between Canterbury and the West Coast.

## **IMPROVING SAFETY**

State highways 1, 73 and 75 have been identified as key corridors where there are a number of opportunities to implement a range of safety improvements. SH1, in particular carries high volumes of freight and tourists. The Transport Agency are planning a package of safety improvements along the highway, in particular from the Ashley River through to Belfast and from Ashburton south of the Rangitata River.

Safety improvements are also planned for SH73, which is under increasing pressure from growth to the west of Christchurch.

The new southern motorway will provide better access from the south through to Brougham Street (SH76), halving travel times from Rolleston through to Christchurch's central city and reducing deaths and serious injuries along SH1. As the main freight route from the inland ports at Rolleston, as well as the southwest industrial hubs through to Lyttelton Port, SH76 goes through a mix of residential suburban streets, retail hubs and semi-industrial estates. In 2018-21, work will continue on the detailed business case to look at how to make this route safer and more efficient to cater for the increased traffic volumes and also create safer walking and cycling opportunities for the local community and wider network south of Moorhouse Avenue.

Both safety and access to the Lyttelton Port of Christchurch will be improved with:

- the completion of the Lyttelton Tunnel deluge system – a sprinkler system to help reduce risk by preventing the spread of a fire
- completion of the alternative hazardous goods route over Evans Pass, from Sumner to Lyttelton, which has been closed since the 2011 earthquake.

These two projects will also build greater resilience into the connections between Christchurch and Lyttelton Port, critical for both fuel supplies for the South Island and access to export markets.

In Christchurch, the city plans to target improving the safety at the highest risk intersections as identified in the KiwiRAP top 100 list.

## **ACCESS**

During this NLTP, work will progress on the detailed business case to build a second bridge across the Ashburton River, and improvements to the corridor through neighbouring Tinwald.

Resilience and safety improvements are planned for Thompsons Track, including road widening and resealing. Three bridges over the Rangitata Diversion will be upgraded to unlock HPMV access on local roads in the area.

Further south, a number of bridges on key freight routes in Timaru will be upgraded to improve HPMV access, as well as realigning the Seadown and Meadows Roads intersection to both improve safety and provide better access to the industrial zones at Washdyke.

In Tekapo, work will begin on implementing the tourist town's Transportation Strategy: improving walking and cycling facilities and traffic management.

In Greater Christchurch, the completion of the Christchurch Southern Motorway in 2020, requires a number of safety and access improvements within the Selwyn district. This work includes intersection upgrades in Prebbleton and Rolleston. In Rolleston, additional footpaths will be installed in the town centre as part of implementing the town's walking and cycling strategy.

Building better connections to Rolleston's industrial zone are planned to ensure reliable access between the inland ports and both Timaru and Lyttelton Ports.

## **IMPROVING CYCLE FACILITIES**

Further co-investment is planned during the 2018-21 NLTP on Christchurch's 13 major cycleway routes to help complete the safe, easy to use network of cycleways connecting the city's suburbs to the central city and linking with local cycleways. About half the cycleways have now been built.

The Heathcote Expressway and Quarryman's Trail will be completed early in this NLTP period, while work is expected to begin on both the Nor'West Arc and Southern Lights cycleways. Investigation and design work will continue on the South Express, Avon-Ōtākaro and Ōpāwaho River routes ready for construction to begin either towards the end of this three-year period or in 2021-24.

It is expected that \$28 million will be invested in walking and cycling in Christchurch in the 2018-21 NLTP.

## **ENHANCING PUBLIC TRANSPORT SERVICES**

Work will continue in 2018-21 to look at the future expansion of the region's public transport network, including growth in network capacity and the frequency of services, during the next 30 years. In particular, the focus will be on the routes to the north and southwest to manage growth in these areas, by providing cost-effective and efficient alternatives to private car use.

Capacity on the existing highway network will be quickly absorbed and those living to the north and south of Christchurch will need to consider how they move about and look to use alternative travel modes to the private car.

There are service improvements to the public transport network being progressed including:

- investigating the Christchurch network to make it more responsive to customer needs by developing a core network with high frequency and connector routes. As an example, a demand response trial in Timaru will look at opportunities to make more effective use of technology in the network
- providing better real-time information for the customer
- further investigation into a more streamlined national integrated ticketing programme.

In support of the network improvements, the Christchurch City Council will be looking to improve interchange hubs at Shirley and Eastgate key activity centres.

## **MAINTAINING THE NETWORK**

Keeping the land transport system well maintained and safe is a large part of the annual investment from the National Land Transport Fund in the Greater Christchurch area. This money ensures the transport system is safe, reliable and easy to use, helping to keep communities connected and supporting economic growth.

During the 2012-18 NLTP period, \$426 million has been allocated for local roads and \$402 million for state highway maintenance and renewals within the Greater Christchurch area. This represents a significant lift in maintenance for the transport network.

## **ENVIRONMENT**

Canterbury remains committed to improving the environment, with all councils throughout the region planning to invest in additional LED lighting during this NLTP period. Christchurch city is planning to spend \$25 million to complete the transition of the city's streetlights to LED, recognising the significant cost and environmental benefits of LED lights.

## INVESTMENT HIGHLIGHTS

- Progressing the An Accessible City programme to deliver on Christchurch's aspirations of a cycle and pedestrian friendly city centre.
- Continuing to expand the cycleway network in Christchurch.
- Completion of the Christchurch Motorways project, the Christchurch Southern Motorway and Northern Arterial.
- Investigation and improvements of the public transport network in Christchurch and Timaru.
- Safety improvements on State Highway 1 to reduce deaths and serious injuries.
- Completion of the installation of the Lyttelton Tunnel deluge system.
- Strengthening bridges throughout the region to open up more of the network for HPMVs.

### CASE STUDY

## CENTRAL CITY AS ACCESSIBLE

The 30-year programme involves five phases, and during the next three years, phase 2 will deliver transport improvements on Victoria, High and Hereford streets, making these more attractive places for driving, public transport, walking or cycling.

The programme is part of the An Accessible City transport improvements planned after the 2010 Canterbury earthquake to support people and businesses to move back into the city centre.

The earthquake provided opportunities to better manage traffic in the city centre to ease congestion, encourage fewer single occupancy vehicle trips, and to make the use of buses and walking and cycling, safer and easier for people. Other programmes, such as the development of the major cycleway network and review of the public transport network, will be critical to connecting the central city with the greater Christchurch area.

Delivering An Accessible City involves the people of Christchurch, local government and central government, including the Transport Agency. The community had significant input through the Share An Idea campaign that attracted more than 100,000 responses in 2011. People wanted less traffic in the central city, greener and more people friendly spaces, and slow streets with reduced speed limits.

Phase one of the transport programme included a cost-share agreement between the council, the Crown and the Transport Agency. Investments in phase two, and future phases, will be through the NLTP helping to create more attractive and liveable central city.

