

## WHAT HAVE WE DONE?

### Resilience planning

We have designed a set of tools, resources and insights to help our people, suppliers and partners increase the strength of our networks. We have been working to provide better indicators and predictors of potential disruption. This includes our MERIT tool – a methodology for assessing the economic impact of major network disruption.

### Emergency response

If there is an unexpected emergency level event on our network we have a plan in place to deal with it. These emergency procedures & preparedness plans have been implemented across our network. They are tested regularly and updated as needed. These will ensure the effects of an emergency are minimised on our network and the recovery is as fast as possible. As part of this we have worked with local councils and emergency services to develop an online detour routes tool to help people complete their journeys as safely and easily as possible when their usual route is out.

### Business continuity

Whether it is a power outage, an outbreak of flu or a major earthquake we need to ensure the NZ Transport Agency can continue its essential functions. We have business continuity plans to ensure NZTA can operate effectively during and after any event that disrupts our key business activities.



For further information visit us on the NZTA website

<http://nzta.govt.nz/roads-and-rail/highways-information-portal/technical-disciplines/resilience-project/>

You can contact the NZ Transport Agency about any other matters as below.

For more information call our contact centre on 0800 699 000 or write to us:

NZ Transport Agency  
Private Bag 6995  
Wellington 6141



### OUR CONTACT DETAILS

#### NATIONAL OFFICE

Level 2  
Victoria Arcade  
50 Victoria Street  
Private Bag 6995  
Wellington 6141  
New Zealand  
Telephone: 64 4 894 5400  
Fax: 64 4 894 6100

#### FREEPHONE NUMBERS

0800 699 000 (general enquiries)  
0800 108 809 (motor vehicle registrations)  
0800 822 422 (driver licensing)  
0800 44 44 49 (highway information)

## Resilience Keeping our roads open

Resilience is about keeping our roads open so people can get to where they are going despite unplanned events.



## RESILIENCE IS ABOUT GETTING THROUGH

When there is a disruptive event on our roads people and businesses still need to **get to where they are going**.

At the Transport Agency, we are working to ensure our roads can absorb and withstand disruptive events, that there are planned alternative routes when roads are closed and that they are reopened as soon as possible.

We are putting in place continuity plans that mean if our people or systems are affected we can still deliver essential services.

In practical terms, this means our state highway system can perform effectively in a crisis, adapt to changing conditions (including climate change) and recover quickly from disturbances.



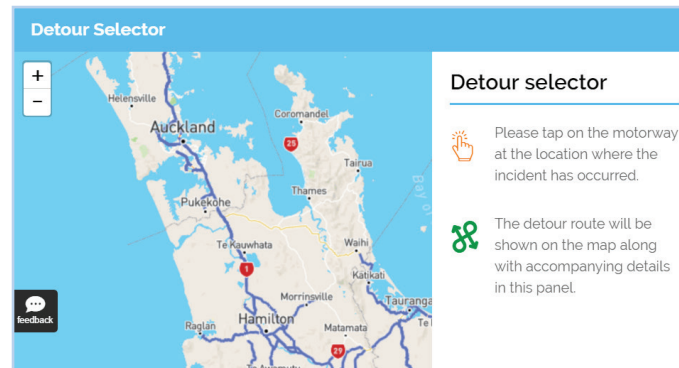
## OUR WORK IN ACTION DETOUR TOOL - INTERACTIVE ONLINE DETOUR MAPS

To make sure people can complete their journeys we need plans in place for when usual routes become unavailable.

We have created interactive detour maps that can be accessed online for any portion of the state high network by anyone.

With a handful of clicks users can identify alternate routes, comparative distance and travel times, which vehicle types each route is suitable for, and other key pieces of information.

<https://detours.myworksites.co.nz/>



## OUR WORK IN ACTION MERIT - ECONOMIC IMPACT OF THE SH3 MANAWATU GORGE OUTAGE

The SH3 Manawatu Gorge is an important link through the lower central North Island connecting Palmerston North to the Wairarapa.

The highway is narrow and winding along the south side of the gorge. The route has been subject to many rock slips that close the road.

In 2011 a large slip closed the route for **183 days**.

A total of **370,000 cubic metres** of soil, rock and debris was removed from the site in an effort to reopen the road.

An alternative route was available via the Pahiatua Track or Saddle Road, which added up to 20 minutes to each journey.

Using the assessment tool MERIT we were able to establish that the total loss in GDP 1 year following the outage was \$6.3M, and that the cost per day was approximately \$34,200.