

1 Rangiriri project update

June 2016

Rangiriri main alignment opening

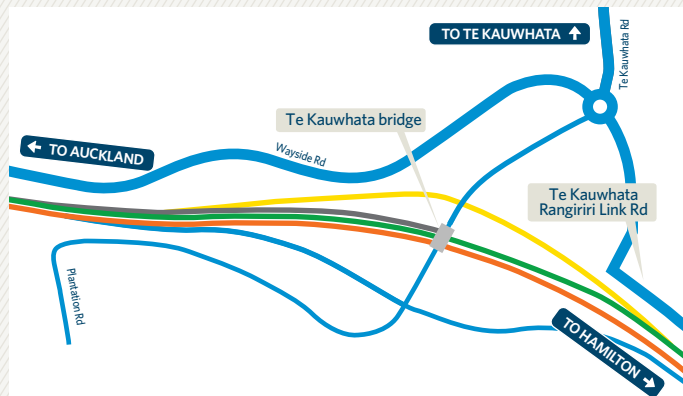
The main alignment of the Rangiriri Section will open to State Highway 1 traffic later this month.

All SH1 traffic will be shifted onto the new road overnight on June 20 (weather dependant). The new road will be under traffic management and drivers will use one lane in each direction. The switch means big changes for how drivers access Rangiriri, Glen Murray and Te Kauwhata. The contractor is taking a staged approach to opening the local road connections to the Expressway at both the Te Kauwhata and Rangiriri Interchanges. There will be a series of changes overnight on June 20, including diverting north-bound traffic from Te Kauwhata down to Rangiriri to turn around and head north from the Rangiriri intersection. Traffic management and signage will be in place to guide you through all these changes until the main alignment and local connections are open. Please follow the traffic management and respect the speed restrictions. The graphics below show (in blue) the local road connections that will be open from June 21.

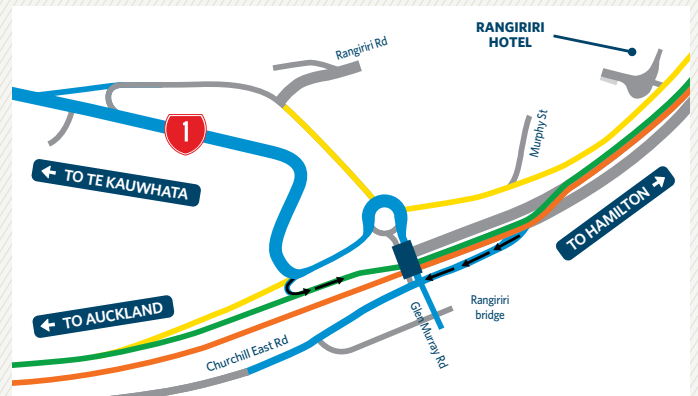
Key things to remember from the morning of June 21:

- **South-bound traffic from Auckland your access to Te Kauwhata, Rangiriri and Glen Murray** is via Wayside Road.
- **If you miss Wayside Road** you will have to travel to the Ohinewai Interchange to turn around.
- **North-bound from Hamilton your access to Glen Murray and Rangiriri** is via the new Rangiriri interchange off-ramp which will be open.
- **North-bound from Hamilton your access to Te Kauwhata** is via the new Te Kauwhata interchange off-ramp which will be open under traffic management.

Te Kauwhata Interchange (stage 1)



Rangiriri Interchange (stage 1)



— New SH1 North bound
 — New SH1 South bound
 — Local road connections
 — Not yet connected
 → → → One way



Keeping you informed

We want to keep you up to date with the changes that will be happening to local road connections in your area over the next 10 to 12 months.



To sign up for our email newsletters go to www.nzta.govt.nz/rangiriri



Follow us on Facebook facebook.com/Waikatoexpressway

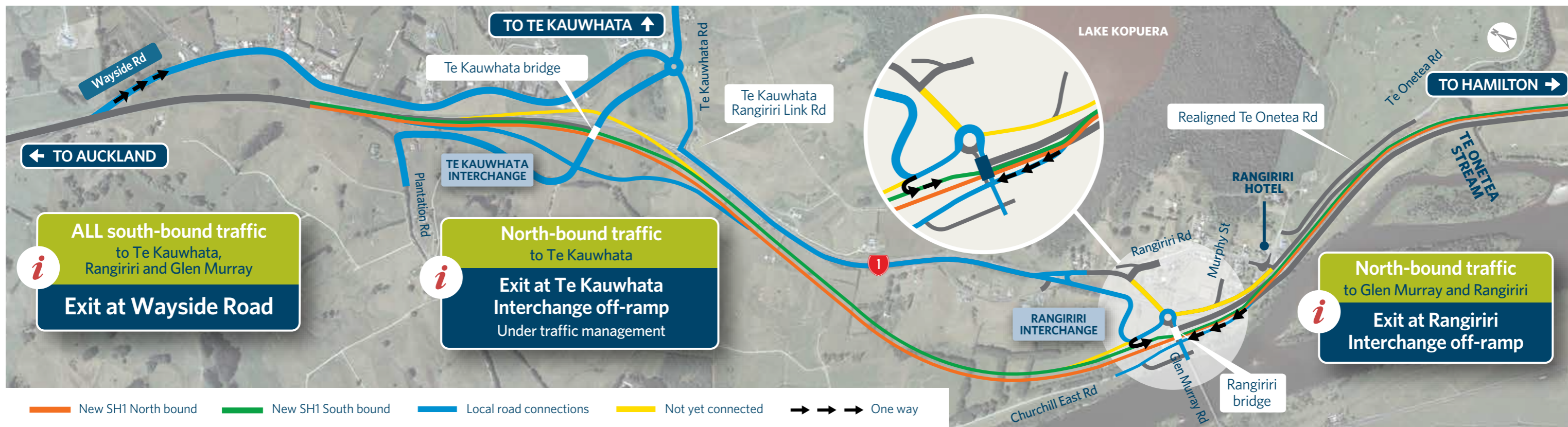


Visit our website www.nzta.govt.nz/rangiriri



Email us with feedback: Waikatoexpressway@nzta.govt.nz

Rangiriri Stage 1 - June 21 to September



Staged approach to opening

Contractor Fletcher Construction is taking a staged approach to opening the local road connections at the Rangiriri Interchange and the Te Kauwhata Interchange.

The map above illustrates the connections which will be opened overnight on June 20 (weather dependant). There will be further stages to come, through to April 2017, when the entire project will be complete. We will keep the community updated via maps and letter drops ahead of each stage opening.

There's a lot of work to go into opening the main alignment overnight on June 20.

The Te Kauwhata intersection onto SH1 will need to be temporarily closed. Te Kauwhata traffic wanting to head north will need to travel to Rangiriri and use the Rangiriri intersection to turn right and head north during this time. The following day the new connection across the Te Kauwhata Bridge will be open to use.

The traffic management plans include signage and variable message boards which will direct you to your destinations but the key things to remember for stage one are:

- **South-bound traffic from Auckland your access to Te Kauwhata, Rangiriri and Glen Murray** is via Wayside Road.
- **If you miss Wayside Road** you will have to travel to the Ohinewai Interchange to turn around.
- **North-bound from Hamilton your access to Glen Murray and Rangiriri** is via the new Rangiriri interchange off-ramp which will be open.
- **North-bound from Hamilton your access to Te Kauwhata** is via the new Te Kauwhata interchange off-ramp which will be open under traffic management.



Rangiriri looking north



Te Kauwhata interchange looking south

Why do we have traffic management?

Motorists driving through work sites often wonder why temporary speed limits are in place.

At Rangiriri the contractor is working in a tight work site on SH1. Since the project started there have been numerous phases of shifting SH1 traffic to the left or right to complete work to create the new four-lane Expressway.

In early May the project team were shifting traffic onto one of the new south-bound lanes and one of the traffic managers was involved in a near miss.

A 30km/h temporary speed limit was in place with stop/go management to allow the team to shift concrete barriers. A vehicle came through the site faster than the posted speed limit. The skid marks in the photo show the result. The vehicle stopped just before the stop/go traffic controller.

We want all road workers to go home safe every day. Traffic management is in place to protect both them and motorists from hazards associated with work happening on our roads. Please respect them.

The speed limit varies depending on the degree of risk. The higher the risk is, the lower the speed limit. These are some of the factors considered when choosing a speed limit.

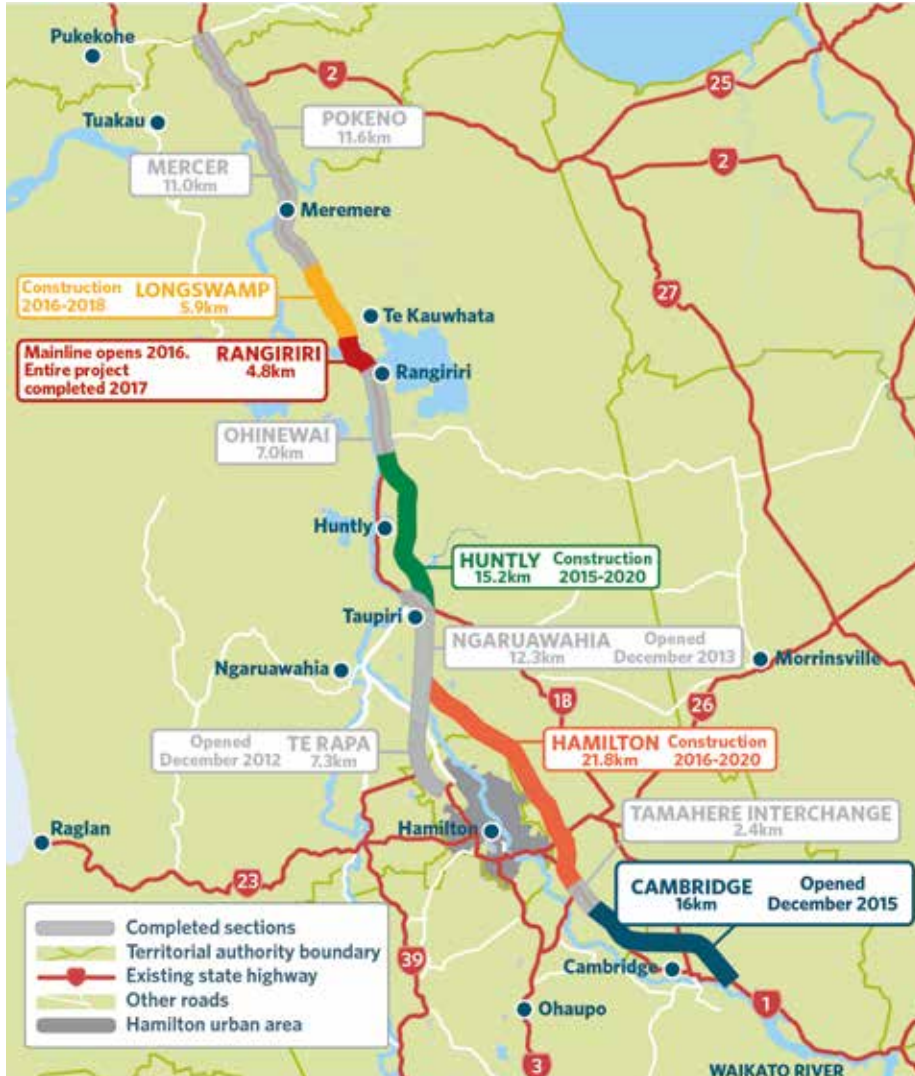
- Loose stones on a sealed road which has been repaired or reconstructed
- If the safety of road workers could be affected
- The surface of the road is being sealed
- Workers or equipment are operating in traffic lanes
- The road width is reduced resulting in narrower lanes than on adjacent sections of road.



Skid marks in this photo illustrate how close a vehicle came to our stop/go traffic controller.

Expressway overview map

The Waikato Expressway is one of the Government's seven Roads of National Significance. The Expressway will improve safety and reliability and reduce travel times and congestion on State Highway 1 by delivering a four-lane highway from the Bombay Hills to south of Cambridge. It is being built in seven sections.



Students take in the site at Rangiriri

Students from AUT's School of Engineering took in the site at Rangiriri in late April.

Masters students got a first-hand look at aspects they had been discussing in the lecture theatre including geometric design, signage and temporary traffic management which is a major component of the works at Rangiriri, where much of the project is being built either on or right alongside the current State Highway 1.

"The talks and guided tour complemented our lectures nicely in many aspects. It's always great for the students to hear first-hand from the road builders," AUT Transportation Engineering Group Leader Doug Wilson said.

"We also received very positive student comments and it was interesting to note that whilst most of the students work for various organisations in industry a few commented that it was the first time they had ever been on a construction site and they found it very valuable experience," Mr Wilson said.



AUT Associate Professor Roger Dunn (left) and Transportation Engineering Group Leader Doug Wilson.

The Waikato Expressway will...

Reduce the travel times between Auckland and South of Cambridge by up to 35 minutes

Significantly reduce the number of deaths and serious injury crashes on this section of State Highway 1

Increase the highways capacity and passing opportunities

Reduce traffic congestion and improve safety within smaller communities like Huntly, Ngaruawahia and Cambridge by significantly reducing through traffic



Any questions?

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