

# Hamilton Section



A view from the south side of the gully



Fishing in the Mangaonua Stream

## What's been going on in the Mangaonua Gully?

In June we diverted the Mangaonua stream in preparation for a temporary bridge to be built over the gully.

Pre-construction fishing works were carried out as part of the stream diversion works. Any fish caught in the nets were identified, weighed, measured and documented. Some of the species found included redfin bully, koura - fresh water crayfish, longfin and shortfin eel. After the data was collected they were released back into the stream outside of the works area.

Once the temporary bridge has been built it will allow access for construction traffic and movement of materials over the stream. After the

permanent expressway bridge has been completed then the temporary bridge will be removed.

The crane platforms are being built on each side of the stream to allow for the commencement of piling to start this month.

Planning the restoration of the Mangaonua Gully is ongoing with landscaping plans for the replanting of native trees and fauna still being developed. Members from the local council, iwi, our environmental team and the NZ Transport Agency are in ongoing consultation to ensure that after the expressway works have completed, the gully is returned back to the community in a better state than when we started.



## Our people

**Your name?** Lance Hitchcock

**Your role?** Excavator operator

**What's special about your role?**

Working closely with a small group on site and sticking to a work pattern to achieve the best outcome. Also having your own plan and using a bit of common sense always helps.

**What other projects have you worked on?**

The last project Lance worked on before joining our team was an irrigation

pipeline in Mid-Canterbury for five months. Lance has been an excavator operator for the past six years and enjoys his job.

**What do you do when you're not at work?**

After Lance and his family recently moved from the South Island, he joined the Te Awamutu Rugby Club and enjoys a social game or two, when he gets time.



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# Project update: What happened during July

## 1 Lake Road



Now that winter has set in, the focus has moved away from earthworks to roading, with the pavements team busy widening the existing expressway north of Lake Road ready for the Northern Intersection tie-in.

## 2 Osborne Road



The structures team made a great effort in July to complete the bridge foundations, ready for the main superstructure to start in August.

## 4 Kay Road



The structures foundation crew set up here in July and are now underway with the piled foundations for the bridge. Trials have also been conducted on the slopes that we have cut, ready for next year's landscaping and planting works.

## 3 Resolution Interchange



Earthworks have been closed up for winter here, but work continues on the expressway rock fill foundation layers.

## 5 Gordonton Road to Kay Road



Apart from works on utility diversions and sediment and erosion controls, the area has been generally closed up for winter.

## 6 Gordonton Road Bridge



The structures team are making good progress on the bridge, with the deck being formed ready for bridge completion in September.

## 7 Ruakura Rail Bridge



The Ruakura Road beam installation was completed mid-July. Work continues on securing the beams before commencing the deck pour.

## 8 Ruakura Interchange



The earthworks team continue to work on the finishing stages of the pavement trial area - which will be used to test the final road surface.

## 9 Morrinsville Road Bridge



A great milestone was achieved with the first bridge deck pour at Morrinsville Road. The pour started at 5am in the morning, and was completed just after mid-day with 198 cubic metres placed in total.

## 10 Matangi Road



Early July saw the bridge beam installation completed. Works are continuing to get the beams secured in place ready for the deck pour in late August.

## 11 Southern Interchange

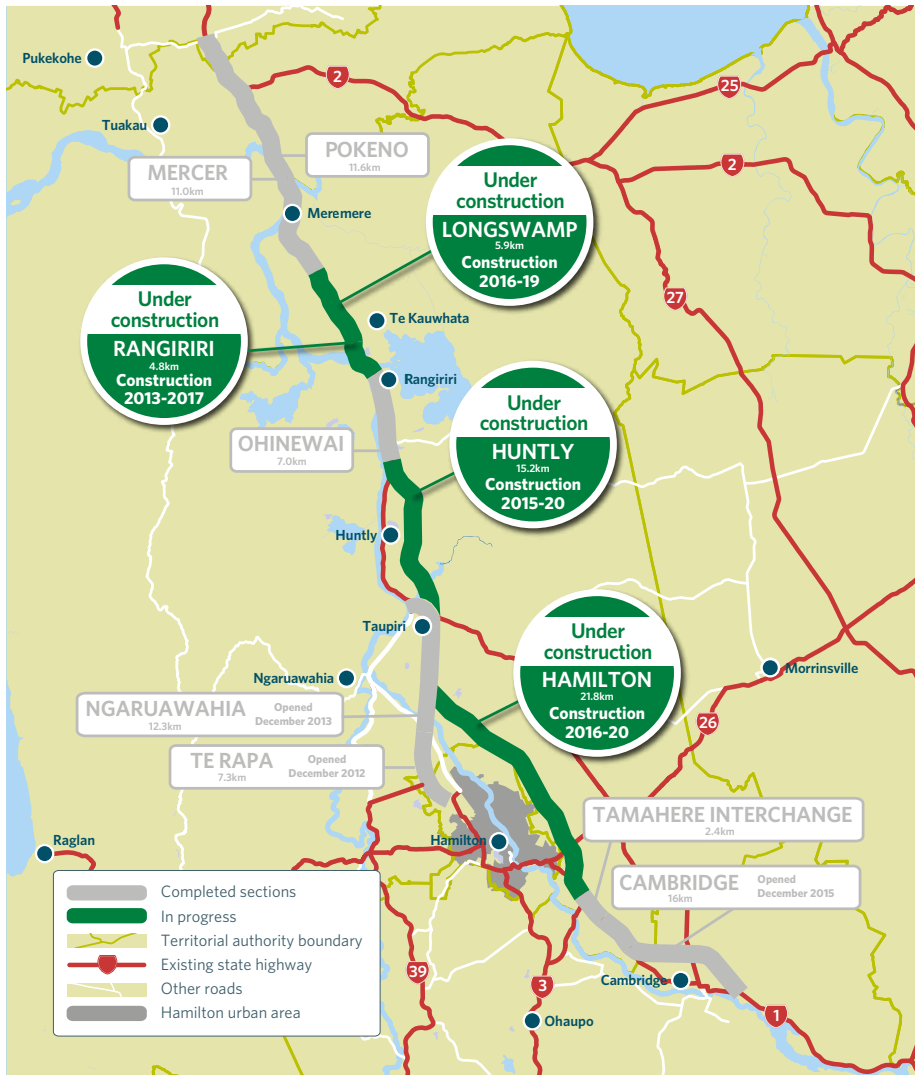


Earthworks continued throughout July on the alignment at the southern end of the interchange and north of the east west link bridge.



## Expressway overview

The Waikato Expressway is one of the Government's seven Roads of National Significance. It 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. The Expressway is being built in seven sections.



## Season 2 earthworks

Our second earthworks season kicks off at the beginning of October 2017. This is a key earthworks season for the project and will focus on culvert installations and embankment construction across the 22km route.

Approximately 2 million cubic metres of earthworks is planned for this season. This will result in earthworks activities over the whole length of the project, from Lake Road in the north to Tamahere in the south.

Two major interchanges each requiring 400,000 cubic metres of earthworks will be constructed at Resolution Drive and Greenhill interchanges. Other large earthworks operations will be taking place at Ruakura and Puketaha roads.

To deliver these quantities over the 2017/2018 season the earthworks will be carried out by 15 earthworks teams and three drainage crews.

We will be using a combination of scrapers, articulated dump trucks and truck and trailer units. This will see more than 100 items of earthwork plant in use at any one time.

Haul routes under newly constructed bridges such as at Gordonton Road, Morrinsville Road and Matangi Road help set up for a successful earthworks season. This will enable the project to minimise the amount of earthworks equipment on the local roads.



Getting ready for Season 2 earthworks



## Visitor Centre information

We're opening our Visitor Centre at 164 Percival Road for three hours on the first Saturday of each month, from 9.00am-12.00pm. We will continue to open on Saturday each month while we have sufficient visitor numbers.

**NEXT SATURDAY OPENINGS: 2 September, 7 October and 4 November 2017**

Opening hours Monday to Friday from 10.00am - 3.00pm.



### Any questions?



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