



About this part of the project

Kā Huanui a Tāhuna is delivering improvements to State Highway 6 and 6A (SH6/6A) to support an efficient and reliable transport network.

Converting the existing Frankton roundabout into a signalised intersection requires a lot more than new asphalt and road markings. The roundabout is also the intersection of every critical service that helps nearly half of Queenstown’s population to function - including stormwater, water supply, electricity (both local and mains), gas, and telecommunications.

With the state highway being widened, most of these lines need to be shifted out of the way or buried deeper so the new Frankton Intersection and Bus Hub Improvements Stage 1 project can be built.

Gray-McBride-Ross Project Stages



Through 2024 and early 2025, the old service lines are being demolished and re-routed away from the new SH6 alignment, and brought through the Gray-McBride intersection. In future this makes them easier to upgrade and maintain without disturbing the flow of traffic and pedestrians through the busy SH6/6A intersection.

These services include street lighting, gas, electricity, internet, traffic light and bus signage, fibreoptic and electricity, and water supply.

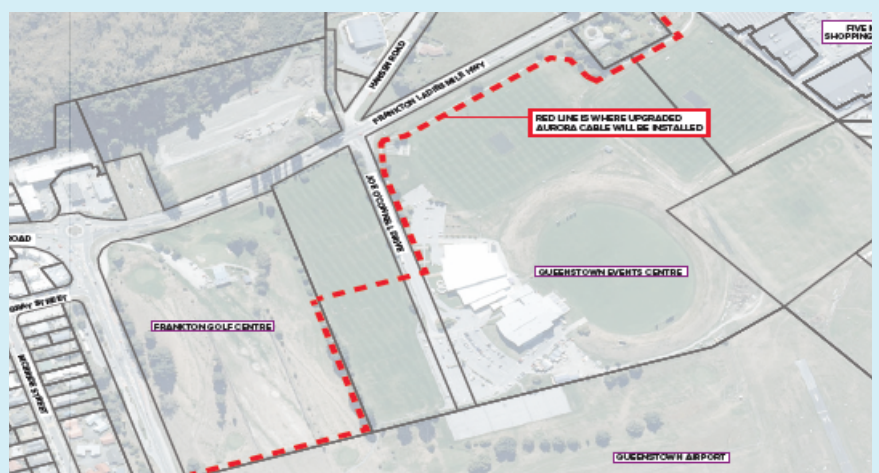
Left: Utility lines being replaced in Gray-McBride intersection. Note that service locations are indicative only.

In August and early September we have re-aligned and deepened the trenches of many services, moving them out of the way of future road construction. This work has been done at night to minimise disruption to traffic.

From Frankton Golf Centre a new Aurora cable is being trenched across SH6 Kawarau Road and down into Ross Street.

This major new cable (shown on the right) starts at the Aurora electricity substation on SH6 Ladies Mile, runs along the sports fields, connects to the Queenstown Events Centre and Queenstown Airport, and finally links to a main cable in the intersection of Ross and McBride Street.

The cable will bolster the security of electricity supply to QEC, airport, Jack’s Point, and beyond.



Services such as electricity and stormwater are being expanded to allow for Queenstown’s future growth.



What it will look like

Once completed, roads around the Gray-McBride neighbourhood will have safer intersections for local traffic, buses and pedestrians, together with fewer power poles, improved street lighting and safer cycleways.

Gray-McBride Streets and the SH6/6A intersection, before and after construction:



Before



After



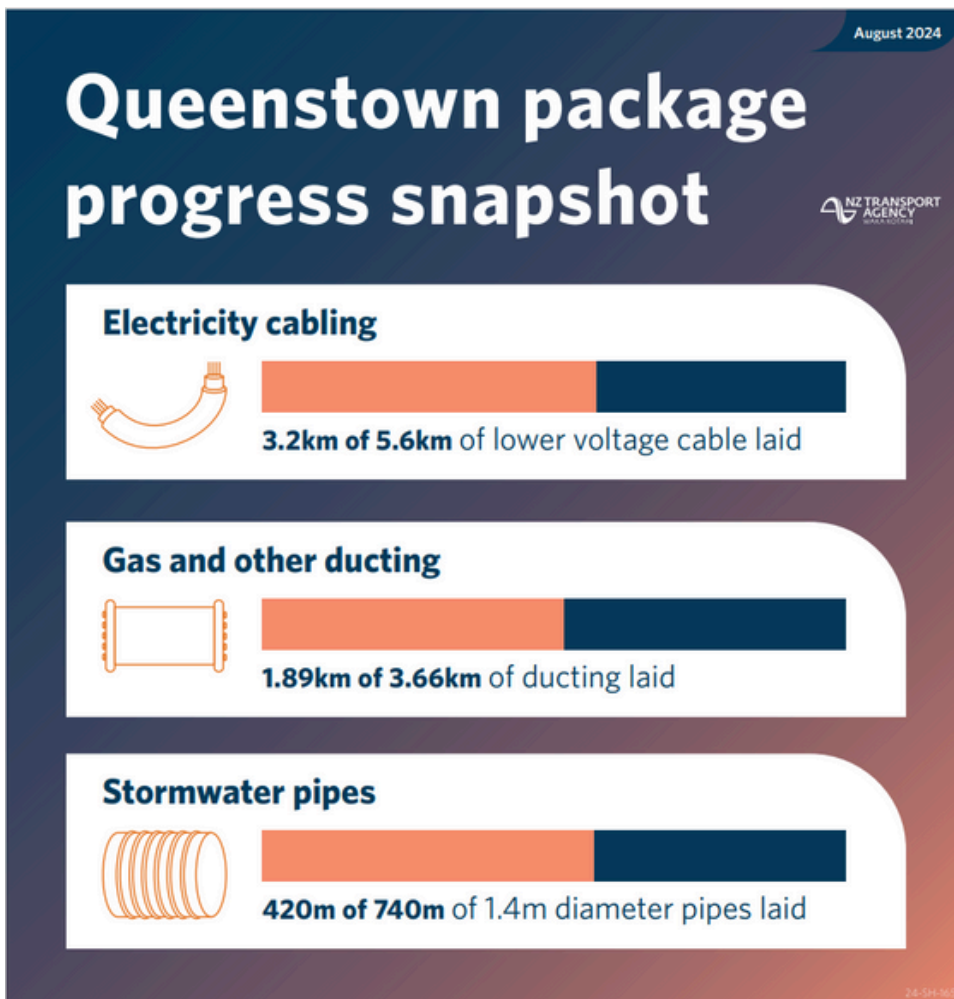
Questions and answers

Why is it taking one year for this Gray-McBride section of work?

We know a year is a long time and that road works are frustrating. Several factors have influenced this timeframe:

- **Minimising disruption:** We're doing all underground services in integrated stages so we don't do one at one depth and complete it, seal it over and then come back several months later and disrupt everyone all over again. We're working to an integrated plan.
- **Maximising efficiency:** When a working team occupies one area for a longer time, they can build one set of trenches, get all their services laid and connected, and then the road and footpath can be built without other work teams interrupting.
- **Good, planned staging:** Completing the Gray-McBride intersection prepares us to work on the bus hub and SH6/6A Frankton intersection.
- **Smart traffic planning:** There are viable local detour routes within Frankton that can take the pressure off local traffic.
- **Time-limited construction season:** It is not possible to surface or construct road pavements during the winter season from May to September. This surfacing constraint is standard for the winter in New Zealand, however, the restriction on pavement construction is unique to the South Island/Queenstown Lakes area due to the local climate and freezing and thawing of the pavement. The ground temperature is at 0 degrees or less all winter – and even without this consideration, it wouldn't be dry enough to successfully surface new roads.

How much pipe and ducting have you laid so far?



How can I get more information?

You can reach the project team by:

- Email: info@wtpa.co.nz
- To receive receive Work Notices for this project, email us with 'Work Notice' in the subject line
- Phone: 0800 482 684
- Online: at www.nzta.govt.nz/projects/queenstown-package/
- Follow: **NZ Transport Agency Otago & Southland Facebook page**