

SH1 PAPA KURA TO DRURY PROJECT



It's all go for the SH1 Papakura to Drury project, which was the first major project of the New Zealand Upgrade Programme to begin construction in April this year. Read on to learn more about the project, its different stages and where to explore further.

The \$655 million Papakura to Drury project is being delivered as part of the \$8.7 billion New Zealand Upgrade Programme's transport investment in growing areas across the country. Communities can look forward to more travel choices that help people get where they're going safely, support our economy and also respond to the impacts of travel on the environment.

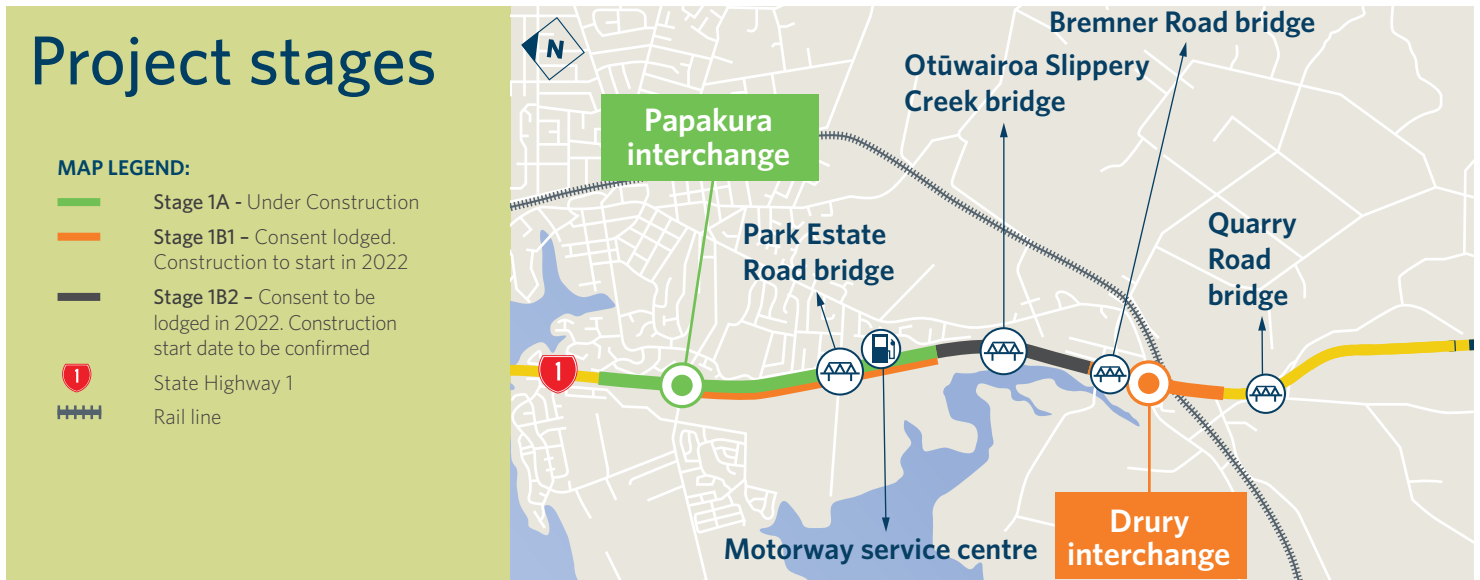
With an additional 120,000 people expected to live in the South Auckland area over the next 30 years, it's important to provide a range of travel choices that cater for the needs of this fast-growing community.

The project will improve safety and access along and across the motorway, enhancing local connectivity and resilience, and improving travel choices and environmental outcomes.

Key features of the entire Papakura to Drury project include:

- Improved highway access, safety, resilience and capacity on SH1 between Papakura and Drury, including the addition of 4.5km of new traffic lanes in each direction
- Wide motorway shoulders to enable future bus services
- More than 4km of new paths for people walking and cycling, extending the 4.5km Southern Path between Papakura and Takanini (opened in May 2021) and connecting into local walking and cycling networks
- Interchange improvements at Papakura, including a new southbound on-ramp
- Interchange improvements at Drury, which will enable electrification of the rail line between Papakura and Pukekohe, future-proof for additional rail lines, increase capacity and improve access for over-dimension vehicles on Great South Road through the interchange
- Improved local access across the motorway, including the replacement of the Park Estate and Bremner Road overbridges
- Improved safety barriers, lighting and signage
- New noise walls, urban design and landscaping
- 100% stormwater treatment of all new and existing surfaces along this section of the Southern Motorway.

The Papakura to Drury project is being consented and constructed in stages over the next five years.



Stage 1A construction phasing

Construction is currently underway on Stage 1A (shown in green above), which is predominantly contained within the existing legal motorway boundaries between the northern side of Papakura interchange and the southern side of the Drury motorway service centre near Otūwairoa/Slippy Creek. These works extend the improvements north of Papakura delivered by the recently completed Southern Corridor Improvements project.

Key features of Stage 1A include:

- An additional third lane in each direction and wide shoulders for future bus services
- The replacement of the Park Estate Road overbridge
- New noise walls on the eastern side of the motorway between Papakura Interchange and Park Estate Road, and fronting Jack Farrell Park at Pahurehure
- The upgrade of three culverts crossing under the motorway between Papakura Interchange and Park Estate Road
- Improved safety barriers and lighting
- Treatment of all stormwater coming off the motorway.

This first stage is being delivered using four different traffic configurations to improve safety and reduce risk of congestion on the SH1 Southern Motorway.



PHASE 1

commenced in April 2021 and is in progress. The traffic layout shown above is looking south towards Park Estate bridge.

During this phase, new lanes and median barriers are being built down the middle of the motorway. Haul roads are also being constructed down both sides of the motorway to allow work to occur on the motorway shoulders, including the upcoming construction of noise walls on the southbound side between Papakura interchange and Park Estate Road.

To date, over 8km of steel safety barriers have been installed down each side of both northbound and southbound lanes, topsoil has been stripped within the central median and subgrade (aggregate) laid to form the base of the new traffic lanes.



PHASE 2

is scheduled to commence in mid-2022 (subject to COVID-19 restrictions). During this phase, traffic lanes will be moved into the motorway centre onto the newly constructed lanes to provide additional space for work on the outer sides of the motorway. Along with pavement construction, a major part of the project is upgrading existing services including three large box culverts in the motorway shoulders.

Note that between all four phases, traffic lanes will be moved across the width of a full lane to ensure there are no 'ghost' lines for the safety of all motorists.

Phases 3 and 4 will be shown in future updates when they are closer to being implemented.



One way out

The Park Estate Road bridge spans the Southern Motorway and must be replaced as the bridge abutments are too narrow to fit the extra motorway lanes underneath. The new bridge will be widened to improve walking, cycling and vehicle access to the growing community on the western side, and will include new water supply pipes.

Replacing this bridge has the added challenge of it being the only access road to existing residential properties, churches, a new school and a sizeable housing development site being built on the western side of the motorway. This means we have to replace the bridge while still keeping the road open.

To achieve this feat, the southern half of the new bridge is being constructed first beside the existing bridge. New retaining walls and abutments on each side are nearing completion, the central pier is completed, and the construction team has recently lifted in concrete beams to form the deck of the new southern half of the bridge.

Once the southern half of the new bridge is fully completed (expected around March 2022), the road will be moved over onto the new bridge. The existing bridge will then be demolished and the new northern half built.

Consenting progress

With construction on Stage 1A of the project already underway, notices of requirement and consent applications were lodged in June for Stage 1B1 of the project under the COVID-19 Recovery (Fast-track Consenting) Act. These are now being considered by the Environmental Protection Authority's expert consenting panel and a decision is expected before Christmas.

As well as additional lanes, improved safety features and 100% stormwater treatment, Stage 1B1 also includes:

- A walking and cycling pathway along the western side of the motorway (extending the Southern Path opened in May 2021 between Takanini and Papakura interchanges, which is

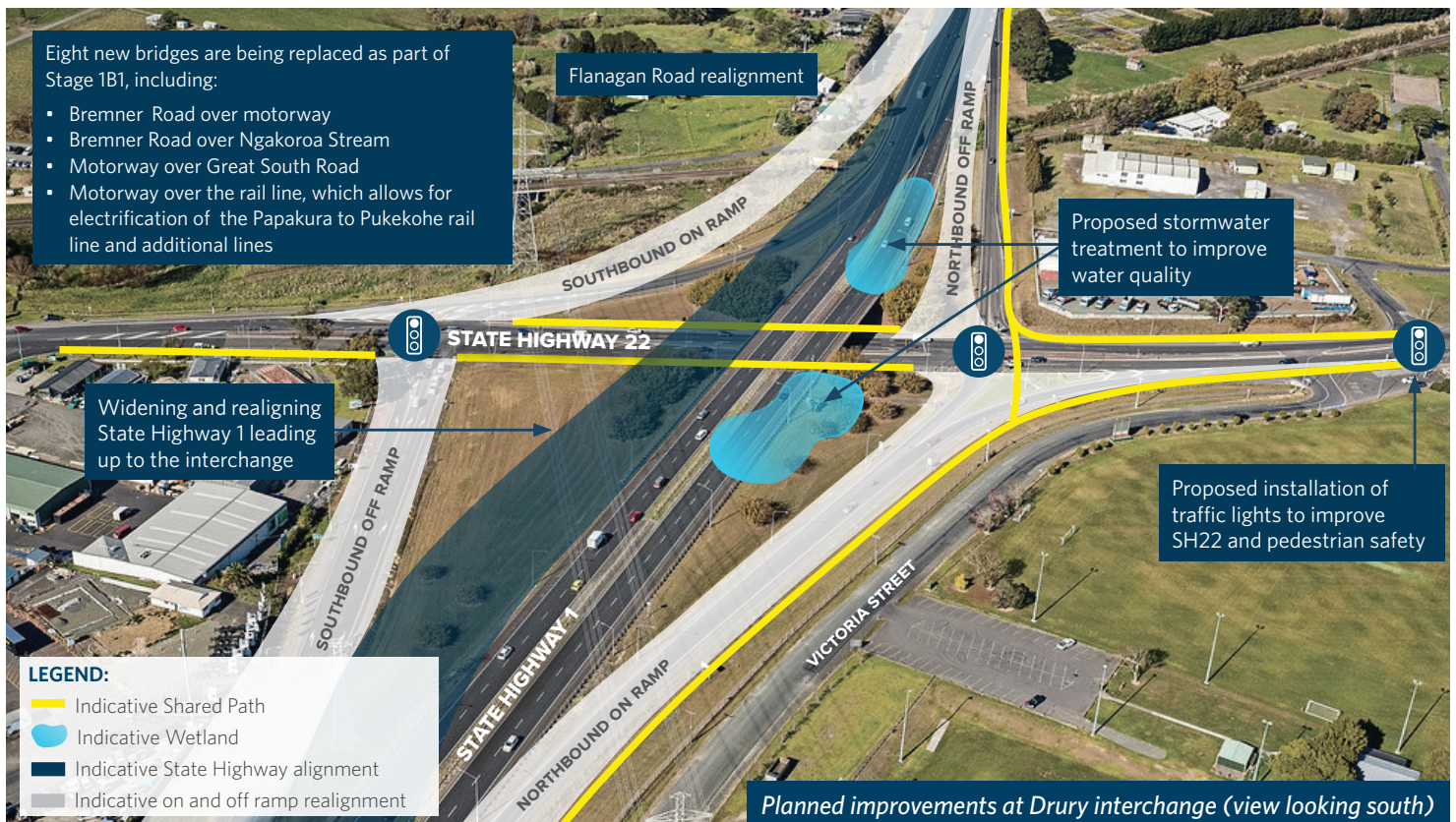
proving very popular)

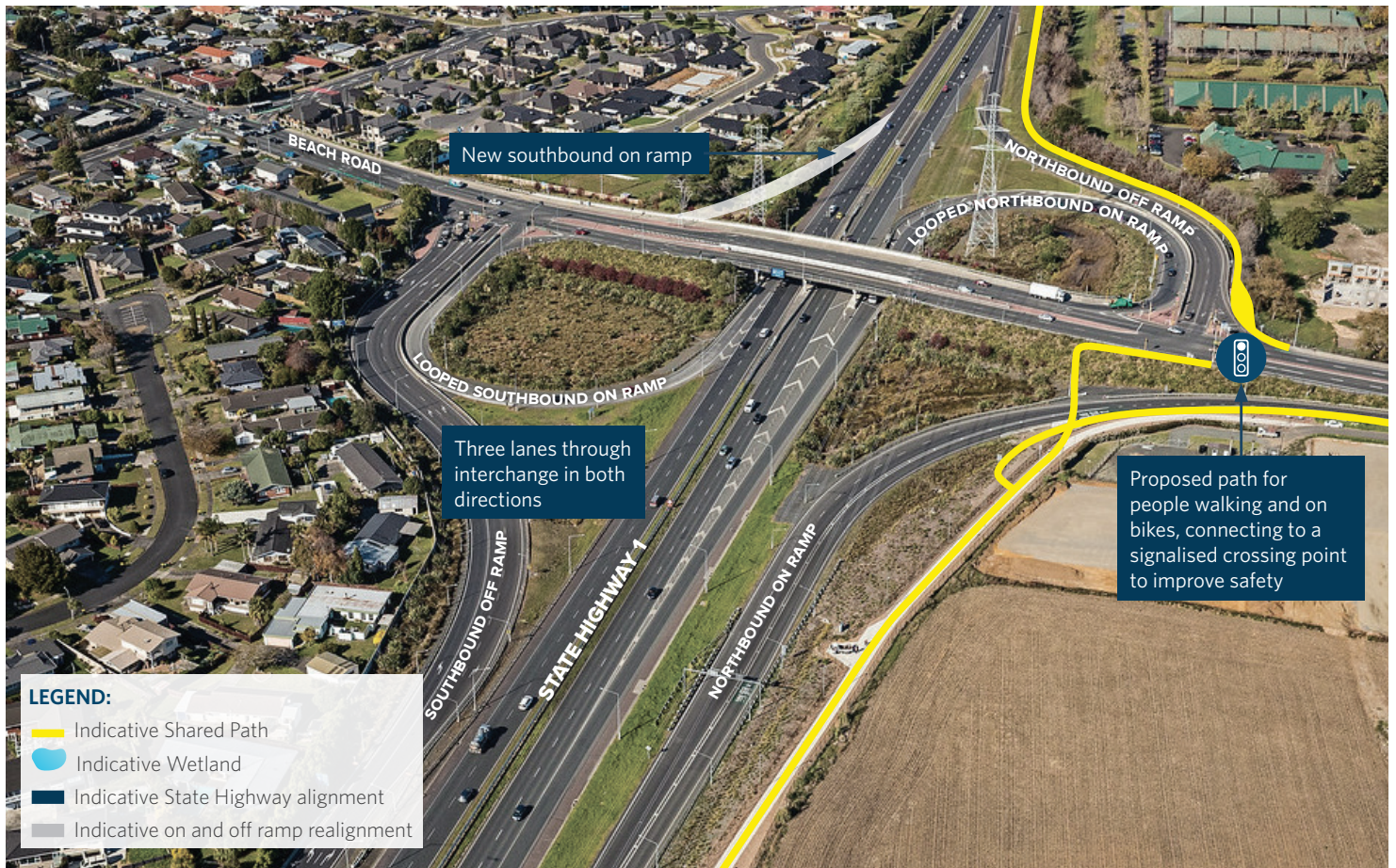
- Interchange improvements at Drury (see graphic below) to allow for railway electrification and additional rail lines
- Interchange improvements at Papakura including a new southbound on-ramp (see graphic next page)
- The replacement of the Bremner Road (Jesmond) overbridge and the Ngakoroa Stream bridge.

Once consented, construction on Stage 1B1 is expected to start in early 2022 beginning with the construction of new and higher bridges (to allow for electrification) across the

railway line at Drury. Drury interchange will largely be rebuilt on the eastern side of the existing interchange to minimise disruption to motorists as much as possible.

Consents for Stage 1B2 of the project, which will include the replacement and upgrading of the motorway bridges crossing Otūwairoa Stream (Slippery Creek), are expected to be lodged next year. This stage has been separated out for consenting purposes to allow appropriate time for the consideration of the project's impact on an identified site of cultural significance spanning both sides of the motorway. We are working closely with Mana Whenua on this important mahi.





Planned improvements at Papakura interchange (view looking south)

KEEP UP WITH THE PLAY

We aim to keep everyone up to date with progress on both current construction work and those parts of the project still being designed and consented. A weekly traffic notice is sent via email e-newsletter advising of road closures and impacts. We also send out monthly construction updates and project updates via email e-newsletter, and post regular progress photos on the project website.

Sign up to receive our e-newsletter updates or traffic notices and/or find out more by visiting www.nzta.govt.nz/p2b



Our new site office

Our site office will be open to the public during Alert Levels 1 and 2 and is located at **25 Tegal Road in Drury** - off Quarry Road and just on the eastern side of the motorway.

You can come along and look at project maps and posters and speak to one of our friendly community engagement team.



New site office at 25 Tegal Road, Drury

CONTACT:

For further information regarding the project please contact our team:

Phone:

0800 796 796 - for construction-related queries

0800 741 722 - for general project queries

Email: p2b@nzta.govt.nz

Website: www.nzta.govt.nz/p2b

In person: visit the Papakura to Drury project site office at 25 Tegal Road, Drury, during normal business hours (COVID-19 restrictions permitting)