

SOUTHERN CORRIDOR IMPROVEMENTS *Project Update*



Bridge beams being placed over the railway lines during construction of the new Takanini southbound off-ramp.

MILESTONE APPROACHING

Construction of the additional southbound lane on the Southern Motorway (SH1) is well underway and will be open between Hill Road and the Pahurehure Inlet (excluding Takanini) in the coming weeks.

This update provides an overview of what's been going on so far this year. This includes opening a section of the additional southbound lane and the new Takanini southbound off-ramp. We also explain how the off-ramp is connected to the existing Papakura Stream Bridge.

An outline of the design changes to the Takanini northbound on-ramp and the Pahurehure Inlet Bridge is also included in

this update. The changes to both structures will cater for more vehicles and improve safety for traffic.

We invite you to join us at our Community Information Evening on Thursday 27 April for a project update and chat with the project team. More details are on the back page. Alternatively, please call, email or pop-in to see us between 9am and 5pm during the week.

FULL STEAM AHEAD

In April we'll be preparing to open the additional southbound lane from Hill Road to the Pahurehure Inlet (between Hill Road and the Takanini interchange, and between the Takanini southbound on-ramp down to the Pahurehure Inlet). Construction will also begin on the extra southbound lane from Orams Road to Hill Road.

A quick update from the past few months:

FEBRUARY

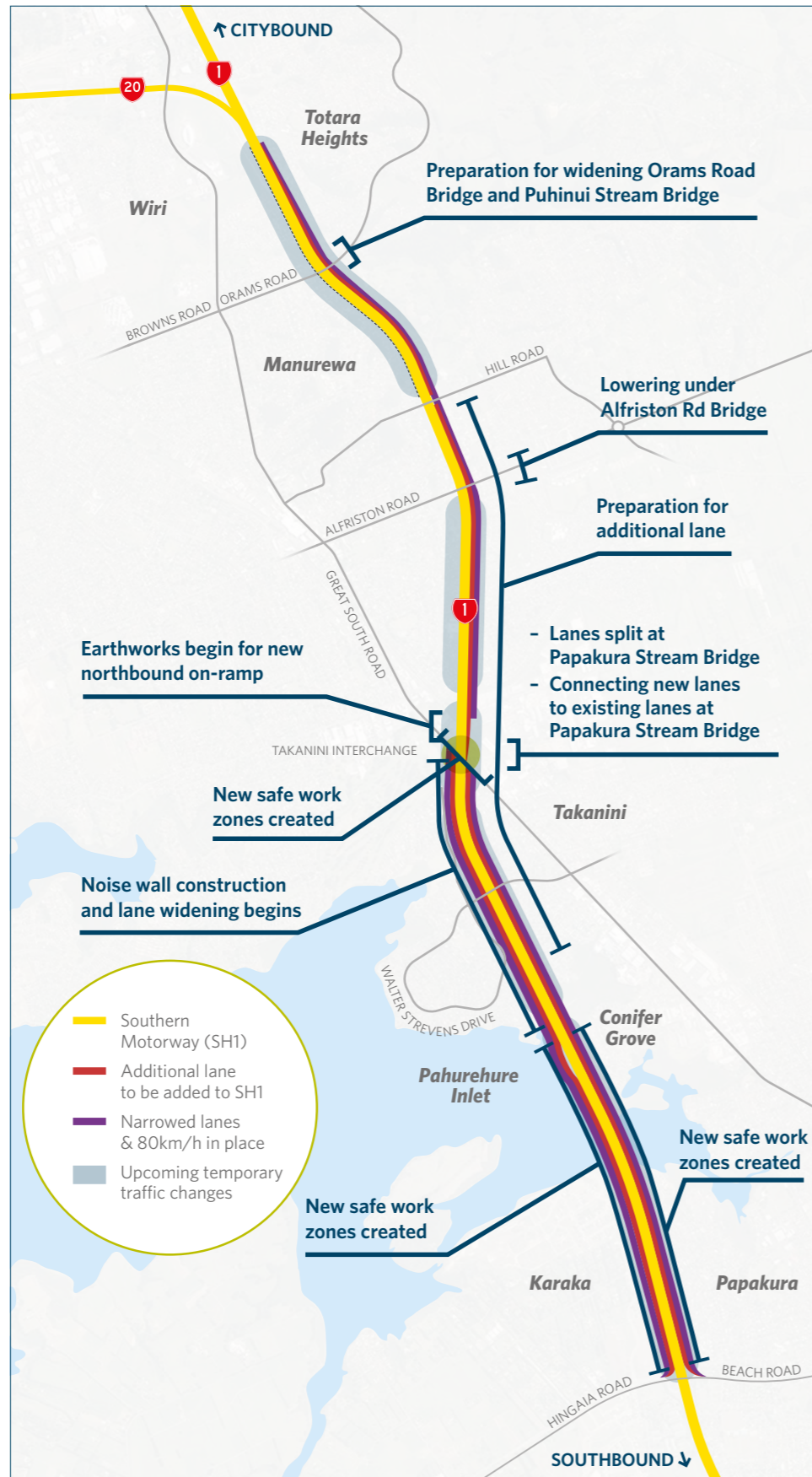
- Noise wall and retaining wall construction continued between Alfriston Road and the Pahurehure Inlet southbound.
- The southbound median and right-hand lanes under Alfriston Road Bridge continued to be lowered. This provides more height for trucks under the bridge.
- Clearing of vegetation on the northbound side between the Pahurehure Inlet and Takanini Interchange began, and other preparatory work is scheduled to begin soon.

MARCH

- Work on the Takanini Interchange continued. The Spartan Road Bridge (part of the new Takanini southbound off-ramp) is almost complete with pavement, barriers and lighting works to be completed. In March, the two southbound lanes before Takanini were divided to create a safe work zone between the lanes. This allows the new southbound off-ramp lanes to be connected to the existing bridge (refer to page 3 story for more detail).
- New safe work zones from Pahurehure Inlet to Papakura Interchange have been installed, both northbound and southbound, where the slightly narrowed lanes and 80km/h speed limit is extended to the southernmost point of the project area. This is for the median removal works.
- Works started on the new Takanini northbound on-ramp (refer page 4 story for more detail) with temporary traffic management introduced along Great South Road and earthworks taking place near Fergusson Reserve.
- Safe work zones have been installed southbound between Orams Road and Hill Road. They act as a buffer between our workers and the motorway traffic as we begin rebuilding the eastern span of the Orams Road Bridge and widening the Puhinui Stream Bridge.

APRIL

- Orams Road Bridge is scheduled to be closed from 22 April. More information can be found on page 3.
- In the southbound shoulder between Hill Road and Pahurehure Inlet, road surfacing works will be completed in early April to enable us to open a third lane (under temporary traffic management).



CONNECTING NEW TO EXISTING

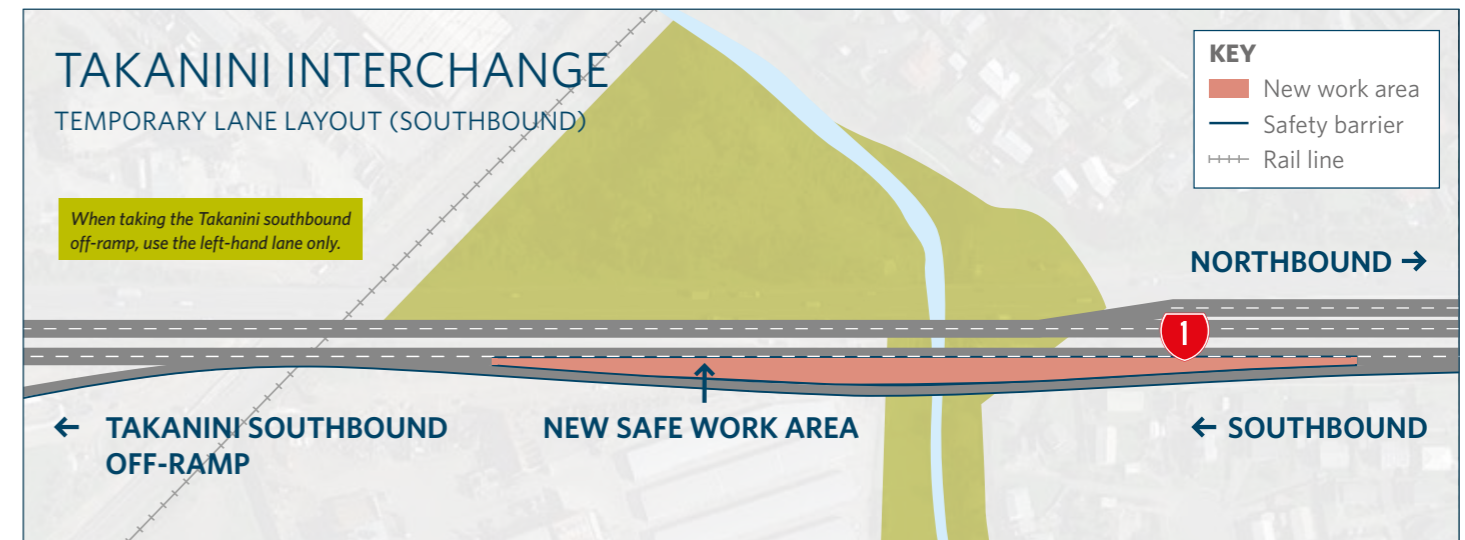
We have started to connect the Papakura Stream Bridge at the Takanini Interchange, to the newly constructed southbound off-ramp lanes.

You may have noticed, the lanes just before the Takanini southbound off-ramp have been split to create a safe work zone between the lanes. The lanes are split for approximately 250 metres, to just before the Rail Bridge. After the bridge, the lanes converge again.

Both lanes still take traffic south, however, if you want to take the Takanini southbound off-ramp, it is recommended that you get in the left-hand lane early. After the split, there is only a brief opportunity to change lanes before the Takanini southbound off-ramp.

The layout will remain in place until mid-April.

In early April, we closed the southbound motorway to connect the new section of the Papakura Stream Bridge to the existing southbound bridge in what is referred to as a 'bridge stitch'.



GETTING TUNNEL READY

With the opening of the tunnel and Waterview Connection project in the coming months, the team has been working to ensure the additional southbound lane on SH1 between Hill Road and the Pahurehure Inlet (excluding Takanini) is open and ready to use. The extra lane will help to manage any additional traffic coming from SH20 and further west as a result of the new SH16-SH20 connection.

ORAMS ROAD BRIDGE CLOSURE

The Orams Road Bridge is scheduled to be closed from Saturday 22 April for approximately 5 months so we can rebuild the bridge and widen the motorway beneath for an additional 4th lane. The bridge will be closed to all traffic, pedestrians and cyclists and detour routes will be in place. We are working closely with Auckland Transport on detour routes for the commuter buses and school buses currently using the bridge. Signage will notify customers weeks before the closure and letters will be sent to the community, along with advertising in the local papers and online.



PAHUREHURE BRIDGE WIDENING

An opportunity exists to upgrade the existing structures on the northernmost bridge at the Pahurehure Inlet. Instead of widening the existing structure by clipping new lanes on either side, a new, more resilient and safer bridge will be built.

We're finalising the design of the new bridge, which will increase from two lanes in each direction to three lanes, with wider shoulders. We will be working in a sensitive coastal marine environment, which will determine what we're able to build. The project team is working with local iwi to complete the design.

The motorway will continue to operate as usual when construction begins in mid-2017.

TIMELINE

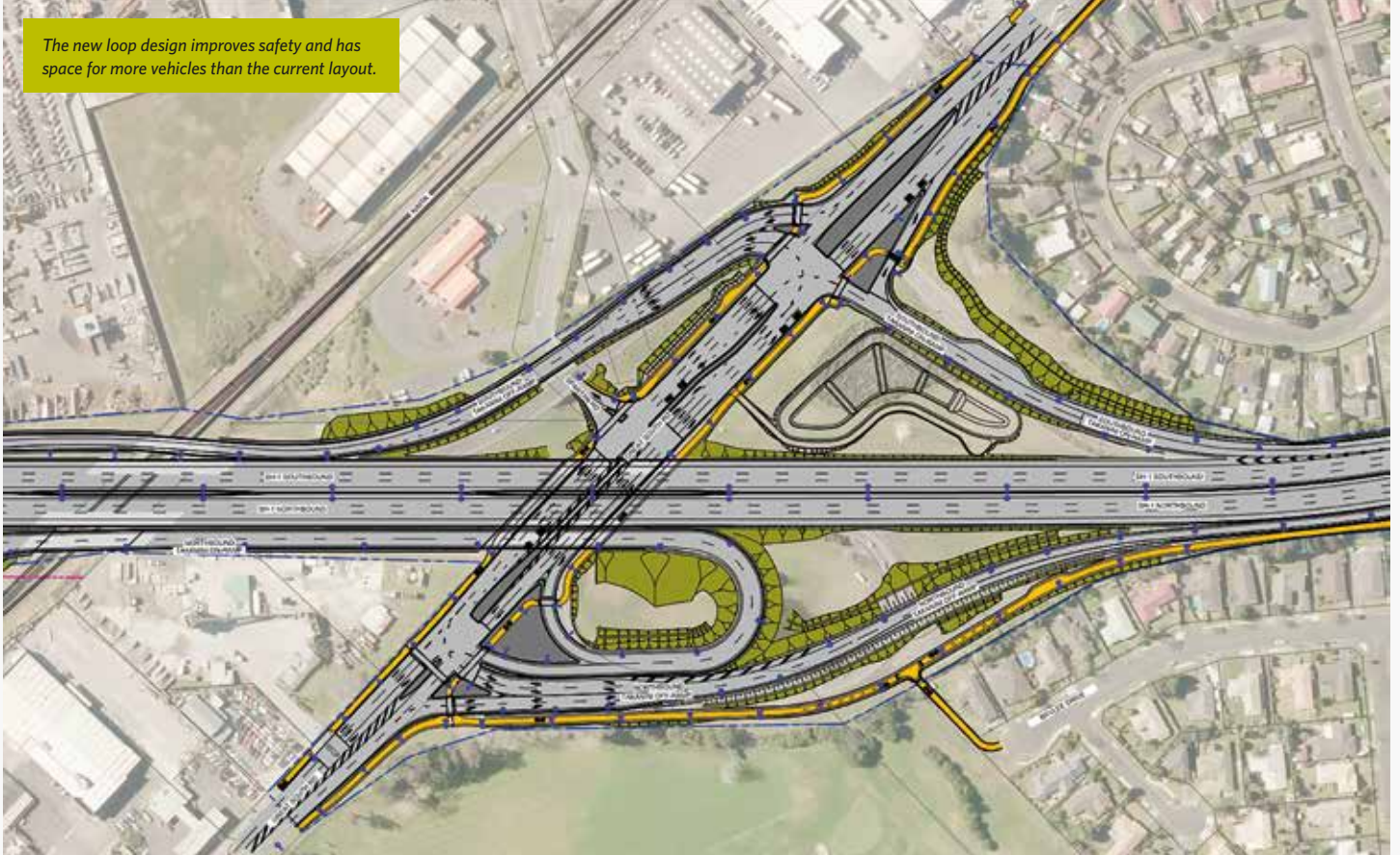


NEW TAKANINI ON-RAMP

Work will begin in the coming months on the new Takanini northbound on-ramp. Due to land constraints, the design of the on-ramp has changed from the initial diamond design to a loop design.

- The new loop design will offer a higher capacity than the current layout (which is also a loop). It will start at a similar location to the current on-ramp, but will be more consistent compared to the existing loop.
- The northbound on-ramp will be 2 lanes up to the bridge over the railway. It then becomes 3 lanes to provide a freight priority lane to bypass the ramp metering signals.
- The ramp will be about 900 metres long before joining the motorway. This is longer than the existing on-ramp and will improve safety, reduce queuing and make it easier to merge onto the motorway.
- Geotechnical investigations have already begun, with work at the intersection of Great South Road and the Takanini northbound on/off-ramps scheduled to start between April and June 2017.

The new loop design improves safety and has space for more vehicles than the current layout.



HAVE YOUR QUESTIONS ANSWERED BY THE PROJECT TEAM

Join us at our next Community Information Evening to chat with our team, check out maps and plans and hear from CPB's Project Manager, Mark Baines, who will give a brief overview of what's coming up.

Time: 5.30pm to 7pm, with the CPB Project Manager's update at 6pm

Date: Thursday 27 April, 2017

Venue: Southern Corridor Project Office, 8-12 Great South Road, Takanini (near the Takanini Interchange next to the Plant Market)

MORE INFO

Freephone:
0508 NZTA SCI (0508 6982 724)

Website: www.nzta.govt.nz/auckland-southern-corridor

Visit: **8-12 Great South Road, Takanini (behind Gull)**

Email:
southernCorridor@nzta.govt.nz