

## Southern Corridor Improvements Project Update



Swale and noisewall southbound

## THE GREEN SIDE OF THE MOTORWAY

*The edge of the motorway is much more than just a grassy green slope.*

In fact, the grassy slope plays a vital role in managing the rain runoff coming from the motorway. Swales filter out dirt and contaminants before the water makes its way into the stormwater system and into the local waterways.

Native plants within the swale have been chosen for their hardiness and suitability to the local environment. Plants such as Oioi and Toetoe not only provide a more pleasant

driving environment, they provide important habitat for native lizards.

There are also two ponds being constructed as part of the project. These ponds, located near Orams Road and at the Takanini Interchange, will serve to improve water quality. Water will slowly release into local waterways such as the Puhinui Stream, Papakura Stream and Pahurehure Inlet.

## WANT MORE INFORMATION?

Come along to our community information evening. You can talk with our engineers, constructors and environment team, ask questions and delve into the detail. Our Project Manager will provide a photo presentation at 6pm.

**Where:** 8-12 Great South Road, Takanini

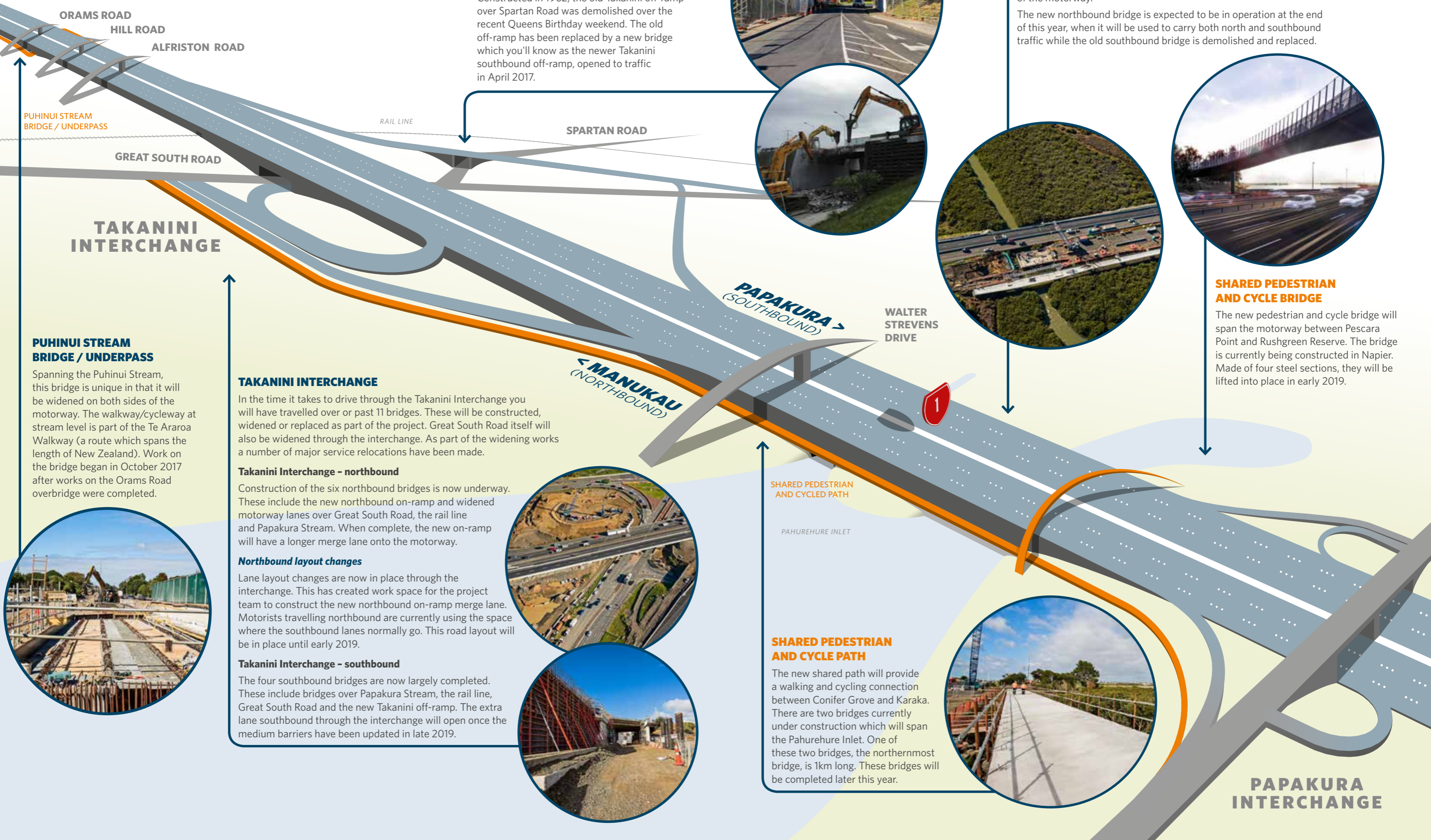
**When:** 5.30 - 7pm,  
Wednesday 25 July 2018

You can also sign up to receive our weekly traffic notice, monthly construction update and this quarterly newsletter via email. See how on the back page.



# BRIDGES OF THE SOUTHERN CORRIDOR

The 9km between Manukau and Papakura might seem like a simple length of motorway. However, in that short distance, the project will be constructing 26 bridges, each with their own complex set of requirements.



### SPARTAN ROAD OLD AND NEW

Constructed in 1962, the old Takanini off-ramp over Spartan Road was demolished over the recent Queens Birthday weekend. The old off-ramp has been replaced by a new bridge which you'll know as the newer Takanini southbound off-ramp, opened to traffic in April 2017.



### PAHUREHURE BRIDGE DEMOLITION

Demolition of the bridge over Pahurehure Inlet has commenced, starting with the northbound side. The old bridge, constructed in 1964, needed to be replaced as it would not support the widening of the motorway.

The new northbound bridge is expected to be in operation at the end of this year, when it will be used to carry both north and southbound traffic while the old southbound bridge is demolished and replaced.



### SHARED PEDESTRIAN AND CYCLE BRIDGE

The new pedestrian and cycle bridge will span the motorway between Pescara Point and Rushgreen Reserve. The bridge is currently being constructed in Napier. Made of four steel sections, they will be lifted into place in early 2019.

### PUHINUI STREAM BRIDGE / UNDERPASS

Spanning the Puhinui Stream, this bridge is unique in that it will be widened on both sides of the motorway. The walkway/cycleway at stream level is part of the Te Araroa Walkway (a route which spans the length of New Zealand). Work on the bridge began in October 2017 after works on the Orams Road overbridge were completed.



### TAKANINI INTERCHANGE

In the time it takes to drive through the Takanini Interchange you will have travelled over or past 11 bridges. These will be constructed, widened or replaced as part of the project. Great South Road itself will also be widened through the interchange. As part of the widening works a number of major service relocations have been made.

#### Takanini Interchange - northbound

Construction of the six northbound bridges is now underway. These include the new northbound on-ramp and widened motorway lanes over Great South Road, the rail line and Papakura Stream. When complete, the new on-ramp will have a longer merge lane onto the motorway.

#### Northbound layout changes

Lane layout changes are now in place through the interchange. This has created work space for the project team to construct the new northbound on-ramp merge lane. Motorists travelling northbound are currently using the space where the southbound lanes normally go. This road layout will be in place until early 2019.

#### Takanini Interchange - southbound

The four southbound bridges are now largely completed. These include bridges over Papakura Stream, the rail line, Great South Road and the new Takanini off-ramp. The extra lane southbound through the interchange will open once the medium barriers have been updated in late 2019.



### SHARED PEDESTRIAN AND CYCLED PATH

PAHUREHURE INLET

### SHARED PEDESTRIAN AND CYCLE PATH

The new shared path will provide a walking and cycling connection between Conifer Grove and Karaka. There are two bridges currently under construction which will span the Pahurehure Inlet. One of these two bridges, the northernmost bridge, is 1km long. These bridges will be completed later this year.



### PAPAKURA INTERCHANGE

# WOMEN IN ENGINEERING

## AMY O'DONNELL



As Project Engineer, Amy O'Donnell joined the project in late 2016 and has been involved with the successful replacement of the Orams Road bridge. She has since moved to oversee the construction of the new Pahurehure Inlet bridge and Pescara Point pedestrian/cycleway bridge which will span SH1. Amy spends half her time on site assisting the construction team and the other half in the office working on project designs, planning work and ensuring the job runs smoothly.

"These projects are always long and complex with no shortage of challenges. But once the project is complete, commuters will have more lanes and the pedestrians and cyclists will have a beautiful new pathway connecting the local areas. Creating these benefits for the community is what I enjoy about my job"

## MAY AL-ETHARY



May Al-Ethary, Site Engineer, is part of the team building the new Takanini northbound on-ramp. In order to have the new on-ramp open in early 2019 the team is working day and night installing bridge foundations, retaining walls and stormwater drainage - all with the challenges of working near live traffic and rail. May reckons that 'every day is different, making for an exciting work place'.

May gained her Bachelor of Civil Engineering Technology degree from Unitec Institute of Technology. Starting out as a graduate on the project she has now transitioned to a site engineer role.

"Working together as a team to keep the thousands of commuters on the motorway moving is a satisfying achievement. Engineering is a rewarding job"

## JULIET SPAGNOLO



Protecting the environment is a satisfying challenge for Juliet Spagnolo, the Environmental Manager on the Southern Corridor Improvements project. Whilst maintaining the projects' environmental compliance rating with Auckland Council, Juliet continues to ensure all environmental controls are in place. This includes checks on erosion and sediment controls and the management of fuels and chemicals.

In addition to protecting the waterways including streams and coastal marine areas, Juliet has a strong interest in sustainability and as part of the project looks at ways to conserve resources and generate less waste.

"I joined the project at the beginning and since that time have been involved with some interesting activities. These include lizard assessments involving surveying and trapping, night stalking for geckos, and bird surveying around saline vegetation like mangroves and salt marshes."

To request a translation of this information please email [southerncorridor@nzta.govt.nz](mailto:southerncorridor@nzta.govt.nz) or call 0508 NZTA SCI (0508 6982 724).

Ki te hiahia kia reo Maori tenei panui, tuku imera ki [southerncorridor@nzta.govt.nz](mailto:southerncorridor@nzta.govt.nz) waea atu ranei ki 0508 NZTA SCI (0508 6982 724).

若需要该信息及《反馈表》中文译本，请发送电子邮件至 [southerncorridor@nzta.govt.nz](mailto:southerncorridor@nzta.govt.nz) 或致电 0508 NZTA SCI (0508 6982 724)。

A manaomia se faaliliuina o nei faamatalaga ma pepa e tusia mai ai ni manatu, faamolemole emeli mai ile [southerncorridor@nzta.govt.nz](mailto:southerncorridor@nzta.govt.nz) poo le telefoni 0508 NZTA SCI (0508 6982 724).

## MORE INFO

Freephone: **0508 NZTA SCI (0508 6982 724)**

Website: [www.nzta.govt.nz/auckland-southern-corridor](http://www.nzta.govt.nz/auckland-southern-corridor)

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

Email: [southerncorridor@nzta.govt.nz](mailto:southerncorridor@nzta.govt.nz)

# TIMELINE

**MID 2018**  
PUHINUI STREAM  
BRIDGE COMPLETED



**EARLY 2019**  
PEDESTRIAN / CYCLE BRIDGE  
LIFTED INTO POSITION



**EARLY 2019**  
COMPLETION OF NEW TAKANINI  
NORTHBOUND ON-RAMP



**MID 2019**  
ADDITIONAL SOUTHBOUND LANE  
FROM SH20 TO HILL ROAD



**MID 2019**  
GREAT SOUTH ROAD WIDENING WORKS  
COMPLETED (EXCLUDING FINAL SURFACING)



**MID - END 2019**  
OPENING OF ADDITIONAL LANES  
PAHUREHURE INLET TO PAPAURA



**END 2019**  
TAKANINI: ADDITIONAL MOTORWAY  
LANES AND NORTHBOUND OFF-RAMP  
COMPLETE, SHARED PATH FULLY OPEN

## ALREADY COMPLETED

- Additional third southbound motorway lane from Hill Road to Pahurehure Inlet - opened 2017.
- Construction of the new Takanini southbound off-ramp - opened 2017.
- Upgrades to Orams Road bridge.