

Southern
Corridor
Improvements

Project
Update



Takanini Interchange SH1 new northbound merge lane and on-ramp loop

NEW NORTHBOUND ON-RAMP MERGE LANE OPENS

Motorists traveling northbound through the Takanini Interchange are benefiting from significantly less congestion thanks to the new on-ramp merge lane opened on 11 February.

Since opening, traffic monitoring has shown that morning commuters are experiencing up to a 20 minute reduction in travel time when traveling north on SH1 between Drury and Takanini.

The new northbound merge lane is significantly longer at approximately 700 metres. The advantage to motorists is that it's now safer and easier to merge onto the motorway, which in turn has improved northbound traffic flows and provides a more reliable trip for commuters.

The Southern Corridor Improvements Project is opening in sections as work is completed. The entire project is expected to be completed and opened to motorists by the end of 2019. The 12-month time extension was due to the additional scope associated with the redesign of the Takanini interchange and full replacement of the Pahurehure Inlet Bridges.

In the coming months, further sections of the Takanini Interchange will be completed. This will include Great South Road improvements and the opening of the new Takanini northbound off-ramp, which will feed into two lanes in each direction for motorists exiting onto Great South Road.

The shared walking and cycling path will be developed alongside the new Takanini northbound off-ramp. It will feature lighting and landscaping along the path, adding to the local community's experience of this recreational path from Takanini Interchange to Papakura Interchange.

PROGRESS UPDATE

THE PUHINUI STREAM WALKWAY UNDERPASS >>

The pedestrian walkway in Manurewa linking Lawrence Crescent and the Auckland Botanic Gardens reopened in December 2018. The walkway had been closed during the widening of the above motorway lanes. Upgrades have also been made to the walkway, improving safety and access for pedestrians. For pedestrian safety, lighting has been installed along the walkway under the motorway.



NOISE WALL INSTALLATION ALONG THE SOUTHERN CORRIDOR >>

Noise wall painting is underway on the 82% of permanent motorway noise walls now installed. Noise walls are designed to deflect noise upwards and away from properties along the motorway boundary.



>> RETAINING THE NEW HILL ROAD OFF-RAMP

As part of the upgrades to the Hill Road off-ramp, near the Botanic Gardens, a five metre high retaining wall has been completed. Built below the motorway level, the wall is designed to support the new southbound lane and can be viewed from the Botanic Gardens. Significant work was achieved over the Christmas/ New Year period to advance this section of work.

STORMWATER PIPELINES

Three one-metre diameter stormwater pipelines were installed underneath the motorway between the eastern and the western motorway shoulders by the Botanic Gardens.



DEMOLITION OF THE SOUTHBOUND PAHUREHURE INLET BRIDGE >>

Demolition of the southbound Pahurehure Inlet bridge started in January 2019. The original bridge (built in 1960) was removed section by section. The two 34-metre-long beams and three major deck sections were successfully removed to make way for the construction of the new southbound bridge. The crew worked through the night to remove the 60-tonne beams, using two cranes to manoeuvre the beams from the bridge. Reconstruction of the new bridge deck will start mid-2019 after the foundations for the new bridge have been constructed. Completion of the bridge is scheduled for the third quarter of the year.

In addition, the new 4.5km walking and cycling path will open between Takanini and Papakura by the end of 2019. Once complete, the new pathway will create a new leisure area for local communities and improve access to local reserves.

TIMELINE

2016
WORK BEGAN NORTH AND SOUTH FROM TAKANINI



2017
ADDITIONAL SOUTHBOUND LANE OPENED HILL ROAD TO PAHUREHURE INLET (EXCLUDING TAKANINI INTERCHANGE)



2018
TAKANINI ON-RAMP LOOP COMPLETED
REOPENED ORAMS ROAD



EARLY 2019
NEW TAKANINI NORTHBOUND ON-RAMP MERGE LANE COMPLETED



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BROWNS RO



Did you know?

- Noise wall colours are derived from the Toi Maori palette – Ahi, Waro, Miro, Raki and Puna.
- 26 bridges are being constructed as part of the Southern Corridor Improvements Project.
- This \$268 million project extends 9.5km along SH1 between Manukau and Papakura.
- The shared pedestrian and cycling path will be wide enough to allow for emergency services access.
- During December 2018, 120 noise wall panels were installed along SH1.
- A new five metre high mechanically stabilised earth retaining wall has been constructed below motorway level at the Hill Road off-ramp which will hold the new southbound lane.
- More than 1500 concrete panels were used to construct the new Takanini northbound on-ramp and merge lane.
- Approx 680 metres of the shared walking and cycling path spans above waterways.



RECYCLING AND REUSING

Using sustainable approaches and environmentally friendly construction techniques is best practice being demonstrated on the Southern Corridor Improvements Project.

The project achieves this by reusing the old concrete bridge beams as aggregate in different areas of the project, for example to stabilise site access points and general earth works.

As part of the construction of the new southbound bridges at the Pahurehure Inlet, the temporary 60-tonne beams and piles have been re-engineered and will be reused for the permanent bridge structure.

During dry weather conditions, dust can move around the site due to vehicle movements and to eliminate and minimise dust sediment, recycled water is used to wet down dry areas.

On the project we are assisting communities to achieve their goals, most recently the project donated surplus wooden posts to a project in Tonga after they were removed from the motorway median barrier. Over 250 pairs of surplus construction gloves have also been donated to local community groups for gardening and weed removal activities.

ENGAGING WITH THE COMMUNITY

Information evenings were recently held in Takanini and Pukekohe to provide the wider community with a project update on the Southern Corridor Improvements Project. Over 50 community members attended and many had questions about the scope of the project, completion date and more detail on some aspects of the project. Positive feedback was received following the opening of the new Takanini northbound merge lane, and questions were also raised about other future roading improvements. Next community information evenings will be scheduled for mid-year.



FOR MORE INFORMATION ON THE PROJECT:

In addition to our regular construction update and quarterly newsletters, our community engagement team are available between 9am and 5pm Monday to Friday to discuss the project.

Visit our project office at Takanini Interchange behind the Gull petrol station, 8-12 Great South Road, Takanini or freephone 0508 698 2724.

GRADUATES OF THE SOUTHERN CORRIDOR IMPROVEMENTS PROJECT

TOM JOHNSON

Tom has worked on the Southern Corridor Improvements Project as a graduate engineer since the start of the project. Working mainly on the construction of the Takanini Interchange on-ramp, Tom has also significantly contributed on several civil works including Takanini off-ramp, new on-ramp retaining wall and drainage works.

On an average day, Tom undertakes site quality assessment checks, safety checks and assisting with organising construction activities.

Having grown up in Manurewa, Tom is proud to be part of a project close to home and the largest engineering project underway in South Auckland. "The community has not seen a significant construction project like this one for over 40 years and once the Southern Corridor Improvements Project is complete, the benefits will be experienced by all motorists".



HYUN KIM

Hyun's love for 'building bridges' has allowed him to play a vital role in the construction of motorway bridges above Great South Road including the new Takanini northbound on-ramp. Day-to-day, Hyun is busy around site working on the bridge foundations, installing beams and barriers. Assisting the team to ensure bridges are being built according to design specifications is just one of Hyun's responsibilities on the project. Safety is a priority on the project and, along with the rest of the project team, Hyun is extremely conscious of following the safety essentials daily.

For Hyun this is the most challenging construction project he has worked on and he cannot wait to see the community and motorists benefit from better traffic flows. "I enjoy working with a talented team of engineers that have supported my development and growth as a young engineer".



KEEP INFORMED

We aim to keep everyone up to date with progress and construction work. A weekly traffic notice is sent via email advising of road closures and impacts. We also send regular construction updates and progress photos. Visit our website to sign up.

CONTACT:

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To request a translation of this information please email 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 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 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 poo le telefoni 0508 NZTA SCI (0508 6982 724).