



Southern
Corridor
Improvements
**Project
Update**

**COMMUNITY
INFORMATION EVENING
TUESDAY 9 JULY**

Time: From 5:30pm

Project presentation:
Two sessions: 6-7pm and 7-8pm

Venue: Project office,
8-12 Great South Road, Takanini
(behind Gull station).

Come and hear about project
progress and what is
left to complete.

LAST BRIDGE SPANS LIFTED INTO PLACE

The final 30-metre spans supporting the new bridge over Pahurehure Inlet were crane-lifted into place in May. The spans weighed between 60 and 110 tonnes and the lift was carried out at night when the motorway was closed to traffic. The engineering feat was carried out seamlessly due to thorough planning and a focus on safety.

Work is continuing at pace on the new causeway bridge, but motorists might never notice the busy building going on beside them as traffic flows are maintained throughout.

Extensive work has been undertaken in the first half of 2019 to protect the sensitive coastal marine environment that is a feature of the Southern Motorway. The widening of the bridge span from

11 metres to 30 metres and a lift of one metre in height has resulted in an improvement to tidal flow under the bridge. The tidal flow is further enhanced with retaining walls and revetment (coastal edge protection) rock from locally-quarried basalt. The revetment provides habitat for the diverse marine life thriving in the inlet as well as protecting the shore line from coastal erosion. A family of ducks, two shags and a heron have made their home in the surrounds and often visit the work site or fish nearby.

Construction of the bridge deck and surfacing will continue through to August, then modern, solid concrete median barriers will be constructed in the central median strip. The completed bridge, expected to be fully open by November 2019, will allow for three lanes of traffic and a 3-metre-wide shoulder in each direction.

A GREEN CORRIDOR

April to August is the best time of year for planting and there's a lot underway for the Southern Corridor Project to make it a corridor full of appealing greenery.

Valuable existing vegetation is being retained, but truckloads of weeds, rubbish and noxious pest plants have been removed and replaced with hundreds of tonnes of locally-sourced, high quality, clean topsoil.

More than 140,000 plants, mostly eco-sourced local natives, are being planted along and in front of noise walls, between the motorway and the shared use path, and in green retaining walls. The extensive planting will soften the hard lines of the motorway and provide linkage along and across the motorway to support local ecological, cultural and social networks.

Larger planted areas are being created at interchanges, particularly Takanini, to provide a sense of scale and reflect the area's natural history, which was once rich in forestry. Plants are also being used in large stormwater retention ponds to help filter road runoff.

A mix of quick-establishing and long-term successional species will see an initial spurt of greenery next spring and a gradual filling out as the gardens and planted areas settle in. The extensive planting programme is replacing boundary vegetation lost, providing reinforcement along the existing coastal edge and promoting views of Manukau Harbour.

Te Aranga Maori cultural landscape principles have influenced all parts of the native plant revegetation project.

Mana whenua have been involved in the selection of native plants, which have been chosen to reflect the local environment, be self-sustaining and provide habitat for local wildlife. The vision of a green motorway corridor focuses on the reintegration of the Pahurehure waters with surrounding communities and landscapes.



SHARED USE PATH

The local community will enjoy better connections along and over the motorway with the construction of an off-road shared use path alongside the motorway improvements.



Artist's impression of what a section of the shared path could look like.

Currently under construction, this path will link the communities along and across the Southern Motorway, supported by connections back into local reserves and residential streets.

Designed to support a range of recreation and transport users including walkers, runners, cyclists, skaters, scooters, and users of wheelchairs and mobility scooters, the path will provide better access to the coastal edge of the Pahurehure Inlet.

There will be seating and recreational areas where the path broadens at Pahurehure Inlet and at Pescara Point, where preparations are in place to build a feature bridge across the motorway. Seating and careful tree planting will create pockets of shade and rest along the route.

Texturing of concrete at the maintenance bays along the pathway will break up the length of the route and give warning of occasional (and carefully controlled) maintenance vehicles on the path.

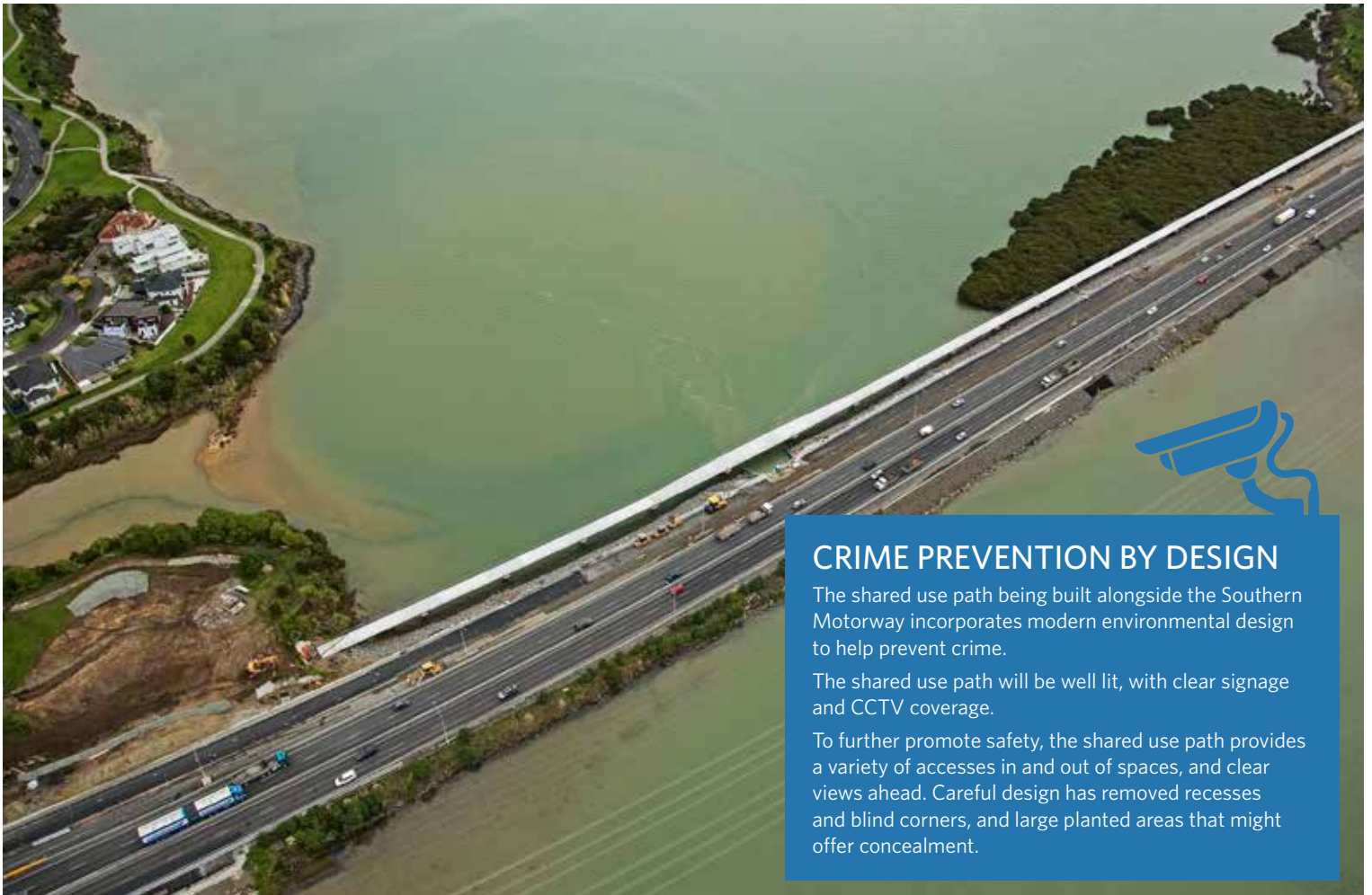
Additional texturing on the path length, using exposed aggregate or coloured surfaces, will define access points.

Pahurehure Rest Area

A highlight of the shared use path is a new rest area at Pahurehure Inlet, near Manukau Harbour's coastal edge.

Existing weeds will be removed and the edge stabilised by native plant regeneration. Local Takanini pumicite, a geological feature of the area, will be used around the seating areas and groups of trees will be planted to provide shade as they grow. Logs and rocks will form part of the landscape to create lizard habitat and encourage children to explore.

Visitors will be able to look across the inlet to the Pescara Point lookout and pedestrian bridge, and appreciate the continuity of the harbour across the highway or northward along the path surface.



CRIME PREVENTION BY DESIGN

The shared use path being built alongside the Southern Motorway incorporates modern environmental design to help prevent crime.

The shared use path will be well lit, with clear signage and CCTV coverage.

To further promote safety, the shared use path provides a variety of accesses in and out of spaces, and clear views ahead. Careful design has removed recesses and blind corners, and large planted areas that might offer concealment.



NEW FACE OF SAFETY AT SCI PROJECT

KIETH JOHNSON

Safety is an essential aspect of life on the SCI Project and the team welcomes Kieth Johnson, safety expert, CPB stalwart and project newbie.

Kieth has worked for CPB for eight years, following a career in the Australian Army. With CPB, he has advised on safety for oil and gas projects, Christchurch Hospital and the Christchurch Convention Centre before moving to Auckland for the weather.

Kieth has been impressed by how ingrained safety is in the team culture, with everyone on site committed to safety underpinning all work and making sure everyone goes home safe to their families at the end of each day.

The SCI Project has passed 1.5 million hours worked and there hasn't been a lost time injury in more than 1.3 million hours.

SAFER MEDIANS

Head-on collisions once led to more deaths on busy motorways than any other cause, but these days NZ Transport Agency evidence shows that median barriers reduce fatal accidents by 75 percent or more.

That's why, as you drive along the Southern Motorway from Manukau to Papakura, you can expect to see workers and heavy machinery inside a wide central median strip, between the Southbound and Northbound lanes. They're removing old barriers and building new ones that meet modern safety standards, which will provide greater protection from oncoming traffic. And they are casting them in-situ, as they go, using a process called "slipforming".

The new barriers have a core of steel cables, around which the concrete is cast, and are built to withstand high speed impacts by both cars and trucks.

They will also feature wider asphalt shoulders for emergencies. Grassed areas have been removed

as they are unsafe for motorway maintenance staff to maintain, but greenery is being planted at the sides of the motorway instead.

The new centre barriers are being built along the whole Southern Corridor Improvements Project, and in some places along the edge of the new motorway shoulders.



KEEP INFORMED

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

CONTACT:

Freephone:
0508 NZTA SCI (0508 6982 724)

Email: southerncorridor@nzta.govt.nz

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

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

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).