



moddex[®]
EVERYTHING FITS

Bridge 22

With KiwiRail

Moddex is pleased to showcase one of the first New Zealand projects to feature the KlipTread - Clip-on walkway and handrail system.



THE CHALLENGE: WHAT DID WE FIND OUT?

Bridge 22, located South of Rangiora is one of KiwiRail's bridges on the national network.

KiwiRail plays a critical role in New Zealand's freight and supply chain industries. To ensure safety is maintained and their assets are up to standard, KiwiRail regularly inspects its track and structures, carries out preventative maintenance and repairs over the rail network.

Bridge 22 is one of the many bridges that lacked a compliant walkway. The bridge required handrails for the safety of inspectors and maintenance staff working on the bridge, however there was no walkway on the bridge to mount these handrails to.

The second issue was the time and expense required to install traditional walkway systems.

Existing walkways are often attached to long cantilever sleepers, meaning the walkway needed to be removed before replacing the intermediate sleepers. This meant that periodic replacement of intermediate sleepers was a lot more involved, and it was more hazardous with no walkway while carrying out the works.

Other existing solutions are custom engineered for each bridge which involves extensive drilling to structures, is very time consuming and incurs large costs.





THE SOLUTION: HOW DID MODDEX DELIVER?

Living to our core value, “Stare down the challenges” Moddrex went to work on coming up with a walkway solution that cut maintenance time and costs, was safe, durable and guaranteed compliance.

Working with KiwiRail and the University of Canterbury, Moddrex developed a cantilevered walkway and handrail system that could be easily retrofitted onto the bridge.

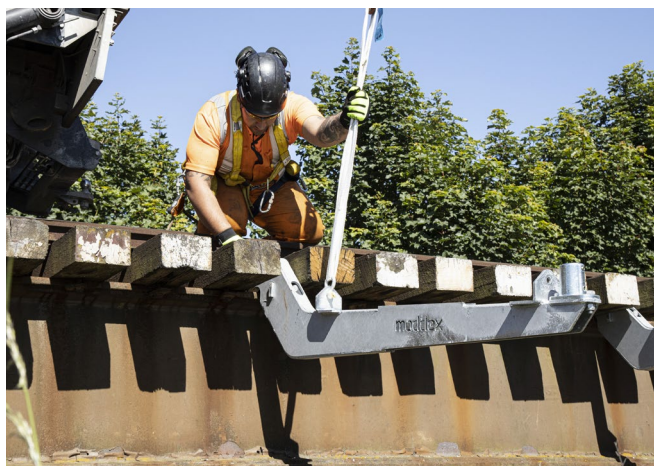
Named KlipTread™, this fully compliant, pre-engineered system was a game-changer – with no need for specialist trades, scaffolding or hot works on site, install was easier, faster and at a lower ongoing cost than previous custom engineered walkway solutions.

With a type approval certificate, Our client Kiwirail, could put their trust in the Moddrex KlipTread system. The unique design utilises ultra-strong, corrosion-resistant, galvanised steel, meaning it can withstand even the most severe vibrations.

The Moddrex proprietary KlipTread™ System ensures safety and compliance on bridges by allowing walkways and handrails to be specified and fitted effortlessly.

James Gapper, KiwiRail

“Loved how easy it was, the way that we would normally do things is a bit primitive. It will be something that will help us in the long run. For me personally, health and safety is key and with this product here you just need a harness. It can also be installed from the top and it’s pretty much up in just a couple of hours’ time. I would definitely use this on other bridges and would definitely recommend it to other Structure Teams in New Zealand.”





With Moddex, Everything Fits™.

Isn't it great when everything just clicks into place? The whole world's going your way and nobody can stop you.

That's the vision of service Moddex has for their customers — they want you to feel that 'everything fits' when you trust them with your project's balustrade, handrail or accessway requirements.

All information provided correct as of April 2024

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