

Project Brief

Ruahine Street Over-Bridge Timber Laminate Repairs



Wellington, NZ
2008



The laminated timber beams of the bridge were failing at the glue lines and subsequently further damaged due to water ingress.

The delaminated beams on the bridge ramp were repaired with Tyfo® SEH 51A composite, applied in a U wrap and anchored together at the top of the beam to provide confinement. The Beam was then drilled through all the laminates at 300mm centre's up through the bottom, and injected with MC-Injekt 1264 at 1500psi.

With the bridge beam's glued back together, confined and all cracks and gaps filled, the repair areas were then painted to match the existing colour scheme.

The bridge remained open to pedestrian traffic throughout the repair, minimizing the disruption to the public.

The second stage of the contract has now been let after a two year trial. The same system is being installed (2010) to the area of the bridge that spans the road.