

# FEATURED JOB



## Temporary Pedestrian Bridge

When Hawkins Infrastructure and the Waitakere City Council required a pedestrian bridge over the tracks at Sturges Road rail station in Auckland during the road-bridge replacement project, Camelspace were appointed for the works. On-Track's consulting engineers, concerned about the risks associated with such a critical structure positioned above their track and rolling stock, asked for a physical load test to be performed in addition to Layher's component load tables and Camelspace's own engineering calculations.

A 1:1 scale replica of the bridge was built and 1.5 x the SWL loaded onto it, a total of 24 tonnes. Needless to say the bridge held with only 45mm of deflection measured at the centre of an 18m unsupported span.

Thank you to Mick Spratling and Phil McConchie of Camelspace for the use of these photos.

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