



# PEDESTRIAN SHELTERS MAKE TRAIN TRAVEL MORE ATTRACTIVE

<b>TITLE</b>	Ellerslie Train Station
<b>DESCRIPTION</b>	Canopies for pedestrian bridge, stairs and walkways
<b>LOCATION</b>	Auckland, New Zealand
<b>COMPLETED IN</b>	2009 - 2012
<b>FABRIC AREA</b>	400m <sup>2</sup>
<b>FABRIC TYPE</b>	Serge Ferrari 1002 T2
<b>ARCHITECT/CLIENT</b>	JASMAX / Auckland Transport



## ELLERSLIE TRAIN STATION PEDESTRIAN CANOPIES AUCKLAND, NEW ZEALAND

### The challenge – complex design and restricted time for implementation

To enhance Auckland's rail network, train stations throughout the city are being upgraded to make train travel more pleasant for passengers. Ellerslie train station is an important stop within the network, serving thousands of local residents and workers. As part of the station's upgrade, Structurflex was commissioned to design and install canopies for a pedestrian overbridge in 2009 and additional canopies for a new overbridge and stairwell in 2012.

The design aspect of the project was geometrically complex, involving sloping ramps and connections to existing structures. During the installation phase, logistical and safety challenges included working alongside and above a busy six-lane motorway, operational railway lines and the intermittent closure of access roads.

### The solution – thorough 3D modelling and orchestrated implementation

The Structurflex design team used CAD and 3D modelling to speed the design process, maximise the aesthetic appeal of the canopies and ensure an error-free outcome. A detailed installation plan was developed, in consultation with local authorities, to allow swift and efficient construction during off-peak travel periods. Feedback from the client and train commuters has been consistently positive.