

DEER PARK BYPASS

Australian Rollforming Manufacturers' deep rib steel noise wall systems are widely used alongside motorways and other major road and rail systems to provide unique sound deadening barriers that are also aesthetically appealing, blending in and complementing the surrounding landscape.

Australian Rollforming Manufacturers produce a range of standard and custom formed steel void panels that are fitted over the concrete beams used in bridge construction to block off the void or trough in the beam when the concrete road slab is poured.

Australian Rollforming Manufacturers supplied 40,000 metres of pre-galvanised noise wall panels and 8,500 square metres of pre-galvanised void covers to the Deer Park Bypass motorway in Victoria.

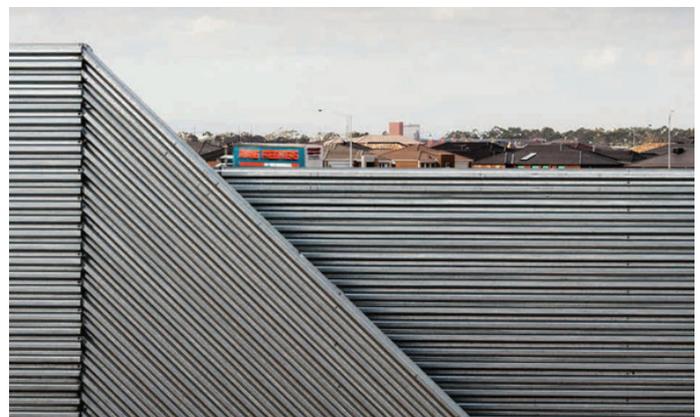
The noise wall panels had to satisfy a number of stringent performance criteria. Australian Rollforming Manufacturers' Noise Wall Panels were chosen ahead of other materials and systems based on:

- Superior sound attenuation qualities
- Aesthetically appealing
- Low maintenance
- Quick and easy to install
- Long life span
- Cost effectiveness

The Noise Wall Panels were rollformed into a 90mm deep trapezoidal profile from 2.5mm & 1.6mm thick galvanised steel & after rollforming the corners of each panel were given a precision mitre cut.

The walls were joined at varying angles to create a unique architectural appearance, & the precision mitre cutting of the panel corners was critical to ensure that all the wall joints were a perfect fit.

Double sided sections constructed from 1.6mm thick panels were used in residential areas to further enhance both the aesthetic appeal & the sound absorbing qualities.



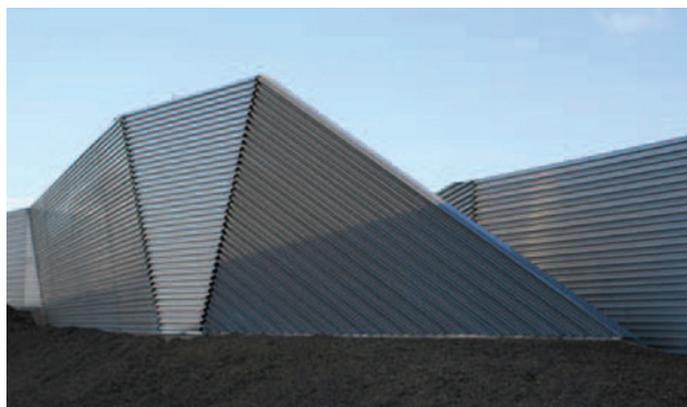
Once installed, the panels extended for 4 kilometres along either side of the highway to form an architectural feature.

The Company was awarded the 2010 prestigious Manufacturers' Monthly Endeavour Award for Australian Steel Innovation for the Noise Walls that were supplied to this project.

The void or trough covers were rollformed into a 21mm deep profile and pre-cut to length to the exact void widths in Australian Rollforming's Dandenong factory.

In total over 13,000 individual void covers were supplied to the project and once on-site the covers were simply glued into the recesses provided at the top of the concrete bridge beams.

Once installed into the beams the covers blocked off the void or trough in the beam when the concrete road slab was poured.



Australian Rollforming's rollformed Void Covers were chosen ahead of the traditional timber covers based on:

- Being pre-cut to the exact void widths, eliminates the need for any further cutting during installation
- Quicker, easier and safer to install
- Unlike timber based covers, Australian Rollforming Void Covers do not shrink, swell or break when left exposed outside
- Material wastage is minimised
- Being easier and quicker to install and requiring less material and labour, Australian Rollforming's Void Covers are more cost effective than alternative products

Australian Rollforming is a custom metal rollforming specialist, with the capability to rollform an almost infinite number of profiles in a wide range of metals.

Contact us to discuss your requirements.