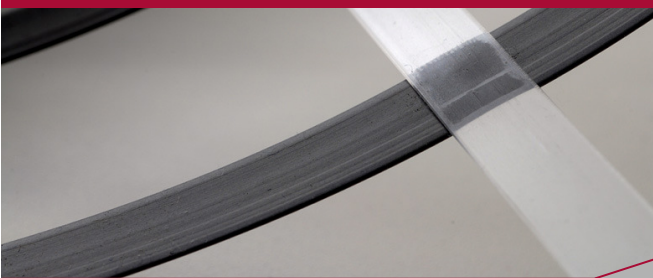
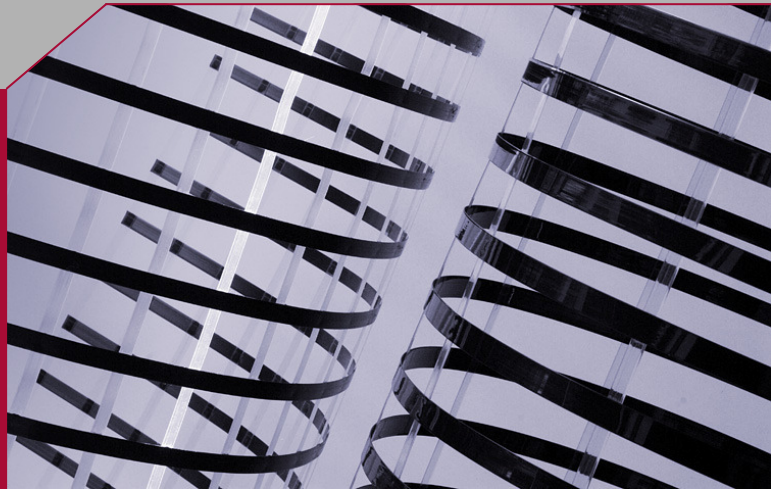


**Deceleration lane construction  
Shoalhaven, Australia**

Location: Shoalhaven, Australia  
 Project owner: Shoalhaven City Council  
 Contractor: JBG Contractors  
 Date: 2008  
 Product: Enkagrid MAX 30; 6,000 m<sup>2</sup>



The construction of a deceleration lane on a major rural road in Shoalhaven, Australia posed some significant construction problems.

The sub-grade on the edge of the existing pavement was of insufficient bearing capacity for the proposed pavement construction.

Instead of excavating to a significant depth to gain sufficient capacity, the contractor proposed to install Enkagrid MAX30. The reduction in pavement thickness achieved by using Enkagrid MAX not only meant a reduction in direct construction costs (materials) but also indirect construction costs (time and labour).

Thanks to its geometric structure, Enkagrid dissipates the forces superimposed by traffic. It provides stability, can reduce the need for granular fill material by up to 30%, and prolongs the working life of roads.

The grid was used in conjunction with a non-woven geotextile which acted as a separator for the imported granular sub-base material and the low-capacity sub-grade.

The information set forth in this case study reflects the best knowledge at the time of publication. The case study is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.



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