

Pacific Motorway (M1) – VL2T upgrade

Road surfaces

The Department of Transport and Main Roads is investigating innovative techniques to re-use the existing concrete road surface within the new road surface for the Varsity Lakes to Tugun upgrade (VL2T) project.

One of the techniques being considered is 'rubblisation', a method for rehabilitating aged concrete road surfaces. The process involves breaking an existing concrete surface into small, interconnected pieces that serve as a base for a new asphalt surface on top.

This sustainable road surface construction technique is new to Australia and is an innovative method of minimising waste.

In addition to this, VL2T will use a road surface consisting of a gap-graded asphalt mix called stone mastic asphalt (SMA). SMA has a high proportion of coarse stones which interlock to form a stone skeleton to resist permanent deformation.

In addition to its structural capabilities other benefits of SMA include:

- good skid resistance and a smoother road surface
- longer lifespan than other asphalt mixes making it more economical in terms of rehabilitation
- lower road traffic noise than concrete surfaces
- stable and durable under a range of weather conditions.



An example of asphalt surface



Pavement construction

Keep up-to-date

To receive project updates via email or SMS, please register your details.

Email: VL2T@tmr.qld.gov.au

Freecall: 1800 799 824 (during business hours, 9am–5pm, Monday to Friday)

Post: Department of Transport and Main Roads PO Box 442,
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For general information visit the TMR website: www.tmr.qld.gov.au/projects and search for, Pacific Motorway M1 Varsity Lakes to Tugun upgrade.



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