

MEDIA RELEASE

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BROONS' IMPACT ROLLER FIXES FAILING ROAD FORMATIONS

The recent heavy rains and flooding along the Eastern Seaboard has resulted in a high incidence of road subsidence that needs to be repaired quickly and effectively.

All too often, in the need for a quick fix, not enough consideration is given to ensuring the sub grade is well formed and compacted and it is not uncommon for expensive repairs to be carried out only to fail again just a few years down the track.

Deep layer asphalt, concrete reinforced pavements and stabilisation of the base course and sub base layers will go some way to overcoming the failures but often we don't give enough thought to the sub-grade which is what carries the load over the long term.

Over more than 30 years, crushing and compaction specialists, Broons, has developed a proven method of improving sub-grade densities in-situ without the costly process of removing and replacing material. Using their BH-1300 Square Impact Roller, Broons can treat in excess of a 1000m of two lane rural road formation per day.

Travelling at close to 10kph, the Broons Square Impact Roller strikes the ground twice every second, imparting a massive amount of energy with every blow. Unlike conventional vibrating and heavy static rollers, the energy transmitted by the Broons Impact Roller is dynamic, which ensures far greater energy is imparted into the material and in a more confined area than could otherwise be achieved with alternative equipment.

Broons' Impact Rollers are able to successfully work with materials that have a wider range of moisture contents, unlike conventional rollers that require materials to be close to OMC for maximum density to be achieved. "Given the huge amount of energy generated by our Impact Rollers, we can work quite dry of OMC and in some materials even over optimum and yet still achieve impressive results", said Broons Director, Stuart Bowes.

"Our BH-1300HD unit with its 12t compactor module is the heaviest available and well suited to deep layer compaction. Our Square





Impact Roller serves two distinct purposes on road reconstruction projects. Firstly it acts as a proof roller, quickly identifying soft spots that need rectification and improvement. Secondly, its ability as a deep compaction tool will lead to an increase in density where the materials are responsive to such force."

Once the strength in the road formation has been achieved using the Impact Roller, Broons can then offer a range of stabilisation and rock crushing machinery to cater for a wide range of needs.

