

# *Category 4: Excellence in Pavement Recycling & Stabilisation in Local Government*

## Mine Haul Road Maintenance Technology, But on a Smaller Scale

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## *2023 AustStab Awards of Excellence*

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# Background

- Downer has a long history working with mining operations to assist with the ongoing maintenance of mine haul roads. Through this, Downer has developed HaulPac Unsealed Road Maintenance product and procedures.
- HaulPac has assisted our clients to build and maintain their roads to reduce dust, maintenance, environmental impacts, and to increase safety for road users.



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# Benefits

- Petroleum-based binders are considered highly effective in sealing or binding pavements. HaulPac as a bituminous emulsion can result in better productivity, safety and environment.
- The correct application of HaulPac reduces moisture susceptibility, provides better visibility, improves drivers' comfort, and reduces dust which has direct impact on nearby residents, flora, and fauna.



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# HaulPac through Stabiliser

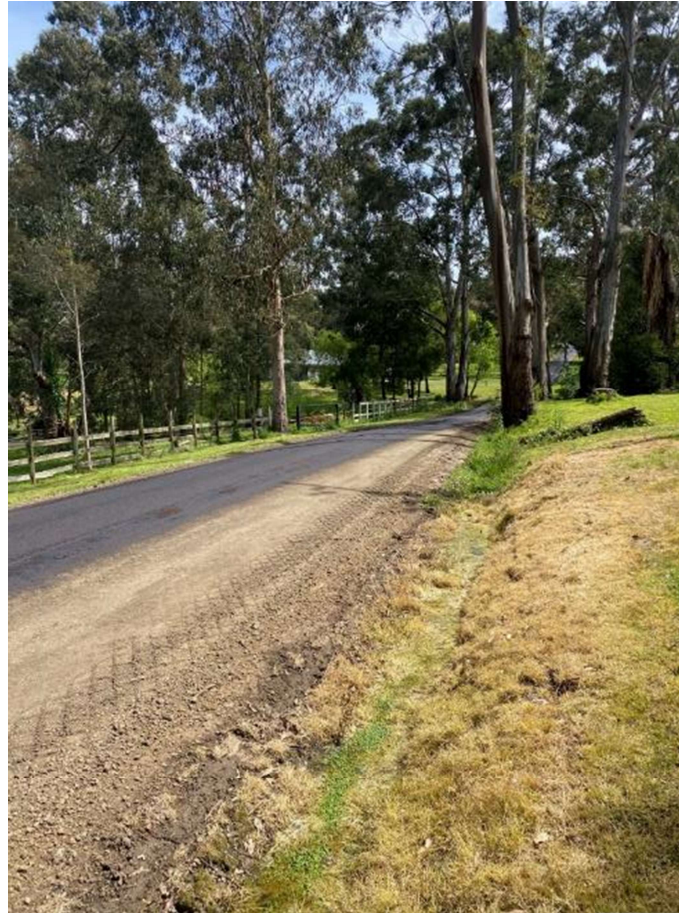
- The success of using HaulPac in mine haul roads has resulted in helping other clients with maintaining their access roads.
- HaulPac has been accurately dosed and mixed with upper base material using stabiliser.
- The treated pavement has been capped with diluted HaulPac to provide a sealed surface.



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# Local Government

- Local councils experience the same issue as mines with their unsealed roads but on a smaller scale.
- Downer has developed procedures to suit council applications using local resources and equipment.



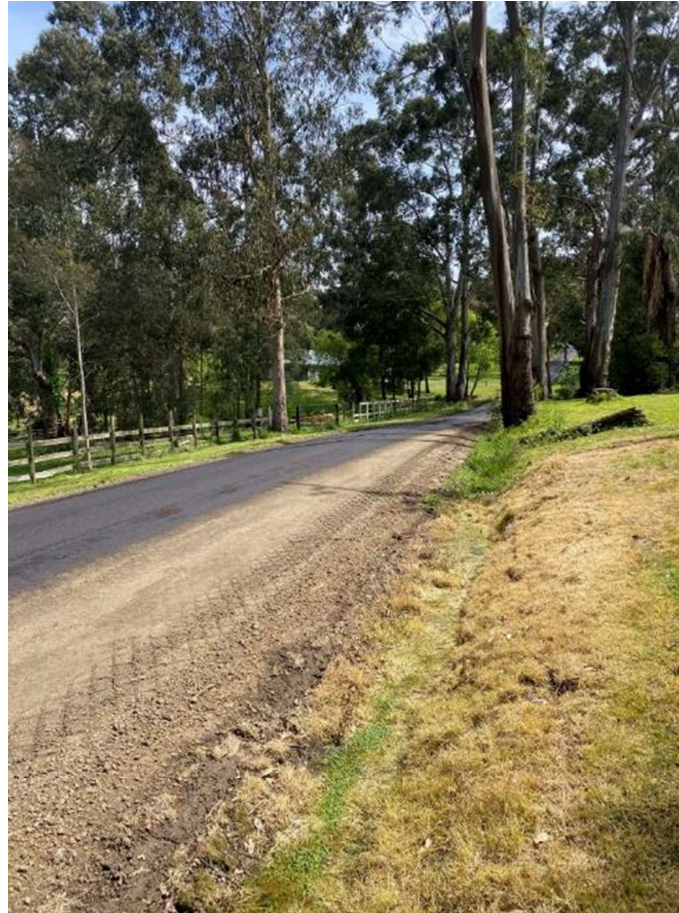
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Pavement Recycling and Stabilisation Association

# Local Government

- South Gippsland Shire Council maintains 1,267 kms of unsealed roads.
- Elmores Road in Korumburra is an unsealed road that due to acreage development has had high traffic resulting in high amounts of dust, corrugations and potholes requiring frequent maintenance.



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# Outcome



- Since the application of HaulPac, the road did not require any maintenance over 6 months with elimination of dust and ride quality improvement.
- The residents now have a safer and more resilient local road and the council have more time and funding to focus on other parts of the road network.

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