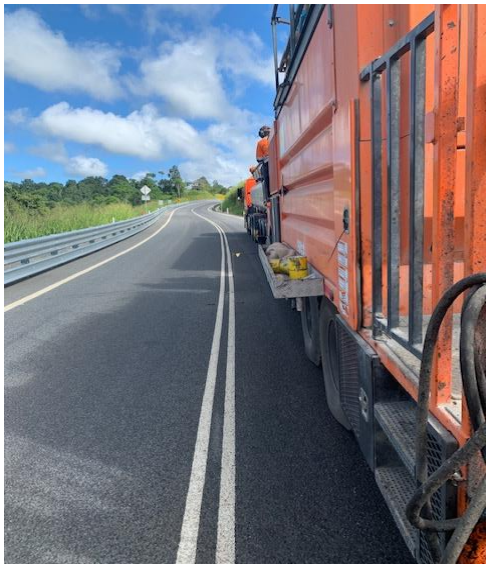
COLAS | Safer Sustainable Solutions

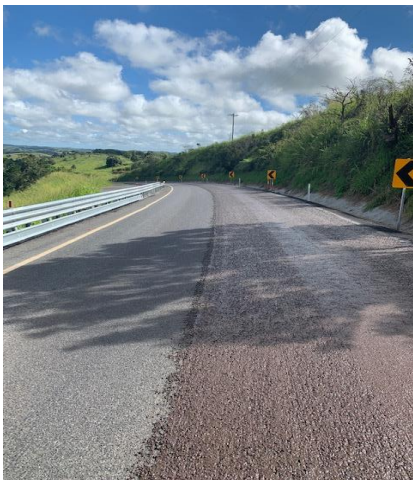
Project Sheet

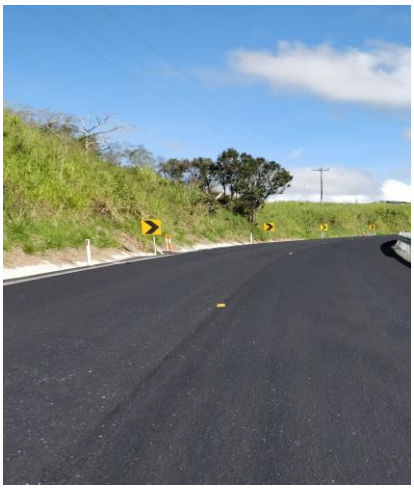
Route 25 Malanda-Millaa Millaa Road

Colmat 10mm blend Microsurfacing

Location:
4 km North of Millaa-Millaa QLD on R25
Project Date:
April 2020
Project Duration:
2 Days
Contract Type:
Lump sum
Contract:
17,000 m2 / 255m3







Overview

Colas Solutions were contracted to apply their QS10 specification Colmat Microsurfacing process to a section of Route 25 just north of Millaa Millaa in Queensland's Tablelands region.
The Colmat was applied as a remedial measure to overlay a failing S35E Re-Seal.
The re-seal failure was caused by excess binder flushing through the aggregate causing it to pluck out & stick to vehicle tyres.
The surface had also lost texture in the fatty areas which posed a lack of traction and a potential skid risk.
It also had a poor profile with extensive wheel ruts.

The Outcome

The project was completed successfully and within a two-day program.
The road has been restored to a usable condition with improved aesthetics, improved rideability and an effective seal.

Why 'Colmat'

Normal treatment types used to remedy flushing Re-seals can be expensive and time consuming.
Removal of excess binder by high pressure water texturizing will eventually stop the flushing, but do nothing for the profile, and may undermine the new seal itself.
Adding extra aggregate to soak up the excess binder can only be performed whilst the binder remains live and is generally used as a short-term solution.

The use of Colmat Microsurfacing is a cost-effective convenient solution to the problem.
Colmat is applied cold, directly on top of the existing failed Spray Seal in two layers.
Layer 1 will restore the profile, correct rutting and fill minor deformations.
Layer 2 is the wearing course, giving an even texture across the mat.
The process uses the latest technology in equipment, materials and highly skilled operatives, backed up by one of the worlds most innovative, environmentally friendly companies.

Value Added

- **Zero Waste**
- **Low Carbon Footprint**
- **Lower life cycle costs**
- **Lower material usage**
- **Lower remedial treatment cost.**
- **Improved skid resistance**
- **Protects against oxidization & Moisture**
- **Time & energy savings**