



**Safer
Sustainable
Solutions**

Project Sheet

Cunningham Highway, Warwick, QLD.

Colmat / Spray Seal - Capeseal

Location:

Warwick QLD

Project Date:

March 2020

Project Duration:

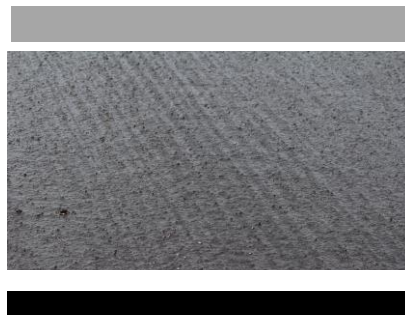
4 Days

Contract Type:

Lump sum

Contract:

43,000 m²



Overview

Transport & Main Roads, QLD chose Colas Solutions & Colas Queensland, to install their first Capeseal project. The 9,000 vehicle per day Cunningham highway route through Warwick was the location chosen for this process.

"Capeseal" consisted of a 14mm aggregate, spread over S45R crumbed rubber binder & topped with a layer of 7mm Colmat. The Capeseal was placed over an existing asphalt surface as a more cost-effective solution to removing & replacing the existing asphalt.

Scope

Colas Solutions & Colas Queensland joined forces to install a Capeseal within a 4-day period in a restricted timeframe.

The spread rate of the 14mm aggregate is reduced to allow the Colmat to fill the voids.

Eventually the 14mm aggregate will reflect through the Colmat to be exposed to vehicular tyres providing high skid-resistance.

How we managed this

The scheme was completed well within program as meticulous cooperation & pre-planning was carried out by the relevant Operations Managers of both companies. Working together & alongside the contracted Traffic Controllers was key to a smooth operation with minimal inconvenience to road users & the public in general. Colas have highly experienced staff in both processes, utilizing the superior products, technical expertise & "State of the Art" machinery.

The Outcome

- **Sealed, retextured, aesthetically improved Surface**
- **Extended pavement life.**
- **Fast application – minimal disruption.**
- **Financial savings exceedingly more than a 50% reduction in cost of replacement**

Project Challenges

The most significant challenge was the two different processes working in immediate proximity.

For each Traffic Control set-up, The Colmat surfacing was installed immediately after the application of the Spray Seal. This allowed the reduced spread rate of the seal to be protected & locked in before being exposed to traffic.

Value Added

- **Zero Waste**
- **Low Carbon Footprint**
- **Lower life cycle costs**
- **Lower material usage**
- **Rubber recycling**
- **Improved skid resistance**
- **Protects against oxidization & Moisture intrusion**