

Victorian Department of Transport - Bituminous Microsurfacing Colmat L, Type QS7

Location:

Grampians
Region, Victoria

Project Date:

January 2022

Project Duration:

89 Days

Contract Type:

M3 Rate.

Contract:

9,393m³

Program:

32 various Highways



Overview

Vic Roads, Grampians region chose Colas Solutions to install their annual Bituminous Microsurfacing project, using proprietary product Colmat L.

Colmat L is a sustainable low carbon treatment that can perform rut / roughness correction, either as a Spray Seal prep solution or a permanent wearing surface.

Scope

The scope of works included 32 Highway sites ranging from Mildura in the North to Ballarat in the South.

The specification for QS7 Bituminous Microsurfacing was a correction layer followed by a wearing course, nominally 22mm thick in 2 layers.

The total volume of Colmat used was within 100m³, of the tender target of 9,393m³, using 1,400,000 litres of cationic PM emulsion from Laverton & 13,800 tonne of local aggregate. The project required practical completion by 31st March 2022.

How we managed this

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

The Outcome

- **Sealed, re-textured, aesthetically improved Surface.**
- **Extended pavement life.**
- **Rut / Roughness / ride improvement.**
- **Fast application – minimal disruption.**
- **Financial savings - Stretching budgets.**

Project Challenges

The most significant challenge was due to starting 2 months after the work became available, completing the program before liquidated damages were implemented.

In order to achieve the deadline, Colas employed a second team.

The project was completed on time despite struggling with varying reactivity of aggregate. The project was completed with zero N.C.R.s & zero incidents.

Value Added

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