Victoria, Australia utilizes pavement preservation techniques for higher quality roads, supporting heavy traffic, with a lower project cost.

30% cost savings when compared to traditional mill and fill solutions

10% less aggregate spread than traditional seals

BACKSTORY:

A section of arterial road in Benalla, Victoria experiences a heavy flow of both commercial and residential traffic, with more than 9,000 vehicles per day. The wear and tear from the high volume of traffic, and the turning and torque of heavy vehicles required a massive maintenance program to repair and extend their lifespan.

PROBLEM:

Treating the Vic road not only had to meet extensive criteria including waterproofing, crack sealing, sound dampening and reinforcements for the heavy traffic, but also fit tight budgetary restrictions. Neither traditional Mill and Fill processes, nor reconstruction were cost effective approaches to maintain this well traveled road.

> “ This site is the gateway to the city of Benalla, and has been a show piece for the rest of the state of Victoria. The treatment extended the life of the pavement, as well as our budget for the year. ”
>
> *— Neville Adair, Senior Works Officer*

SOLUTION:

North Eastern Maintenance Alliance teamed with Downer Group to provide a preservation treatment using a Polymer Modified Binder (PMB) Spray Seal, overlaid with a Microsurfacing SFT (Suspended Fibre Technology) Cape Seal, cutting expenses, emissions and time. This type of treatment provided a cost effective, highly flexible, waterproof film coupled with a hard wearing surface to accommodate high volumes of vehicles, turning traffic and sound reduction. Six years after completion, the road is maintaining a high condition with minimal wear.

Click here for additional information & ISSA award submission materials.

PHOTOS:

Site Location- Bridge Street, Benalla, Victoria

Pre-existing Condition - January 2014

Pre-existing Condition - January 2014

Pre-existing Condition - January 2014

Pre-existing Condition - January 2014

Installing the seal February 2014

Installing the seal February 2014

Installing the seal February 2014

Installing the Micro Surfacing

Installing the Micro Surfacing

Installing the Micro Surfacing

Completed Surface 2014

Performance Review December 2019

Performance Review December 2019