CASE STUDY

Surface treatment Reclamite, preserves critical infrastructure

PROJECT – **RECLAMITE WITH COSTAIN CH2M AND EAST SUSSEX COUNTY COUNCIL**

BACKGROUND

The A22 Hailsham Bypass is a dual carriageway and part of the Strategic Road Network (SRN) in East Sussex. It is a concrete pavement construction with an asphalt overlay of approximately 60,000m², carrying 30,000 vehicles a day.

In 2012 it was resurfaced, including slab stabilisation and drainage works with a design life of eight years against 100% reflective cracking. By 2018 there were signs of 60-70% reflective cracking. The surface course was a proprietary SMA laid 40mm in depth and was designed as a sacrificial layer, with the strength in the binder course layer.

"Roadtechs have come up with some very good solutions, they have been very professional, very proactive in assisting with the design and so far we have been pleased."

A Peall, Senior Technical Engineer

SOLUTION

The surface course was cored during grass cutting to save on traffic management, then tested (under laboratory conditions) to confirm the existing binder penetration level, which was an average of 26. Post the addition of Reclamite in the laboratory it was 44.

In 2018, we delivered a one stop, in house, final solution over a period of four days. This encompassed applying Roadtechs' Reclamite application during the day under lane closures, and the inlaid repairs to the joints using Roadflex, which is a BBA/HAPAS approved material manufactured by Roadtechs were carried out at night under a full closure and diversion, all organised by Roadtechs.

Before treatment

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OUTCOME

Over four, restricted hours, daytime shifts, a total of 57,854 m^2 of surface was treated. Roadtechs also undertook 1,300 lm inlaid crack repairs over the four nights.

The works were completed on time and to budget. The application of Reclamite was swift ensuring minimal disruption to road users during the day.

There have been Zero level defect interventions or repairs since being treated by Roadtechs.

The application of Reclamite provides:

- **90% saving in carbon emissions** compared to traditional construction methods.
- **Extended pavement life by 5 years** at a fraction of the cost of conventional pavement treatments.
- **Reduction in future intervention and repairs**, saving disruption and money.

In-house manufactured Roadflex applied as part of the works

ABOUT ROADTECHS

One of the UK's leading providers of Specialist Surface Treatment Solutions. Roadtechs combines innovation, quality, performance and experience with robust solutions and first-class engineering to restore, extend and enhance the life of existing roads and parking areas. This is achieved through the manufacture and installation of high friction surfacing, crack repairs, road markings, concrete carriageway rehabilitation and surface extension treatments.

WHY CHOOSE US?

Surface Treatments provide benefits in the following areas:

ENVIRONMENTAL **OPERATIONAL** **FINANCIAL** **SAFETY**

Speak to our experts, contact us today

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