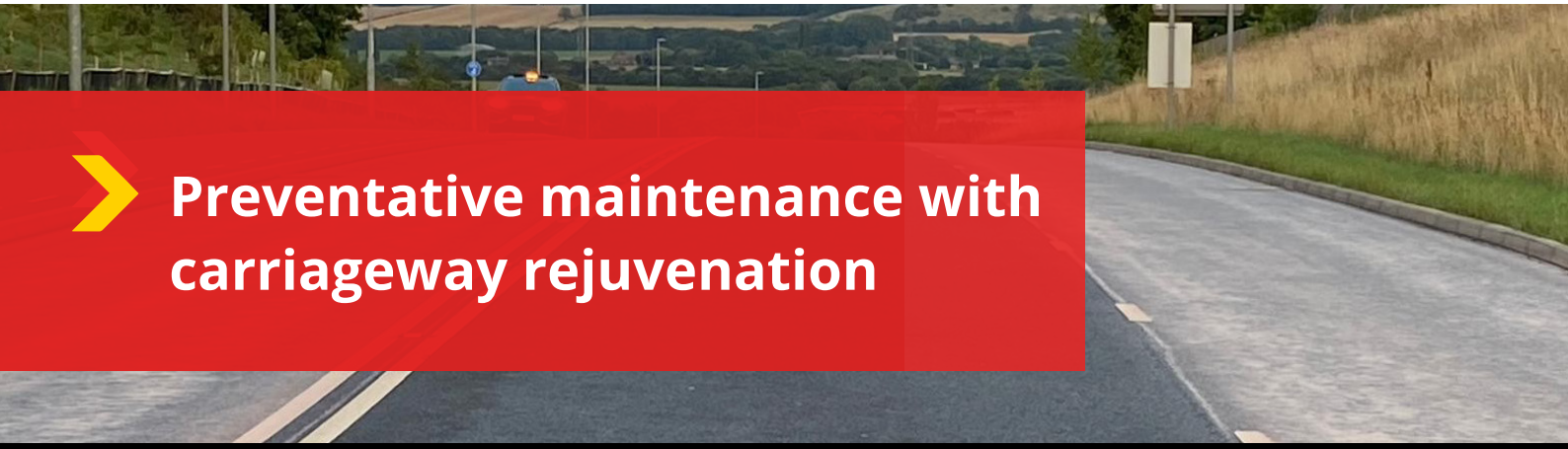
CASE STUDY



Preventative maintenance with carriageway rejuvenation

PROJECT – NOTTINGHAMSHIRE CARRIAGEWAY REJUVENATION SCHEMES

Via East Midlands, working on behalf of Nottinghamshire County Council, were keen to utilise innovative preventative maintenance products onto Nottinghamshire's network and identified Roadtechs Group's Reclamite surface rejuvenator as a viable, cost effective and carbon efficient solution.

Following meetings and a presentation of the benefits of rejuvenation, suitable sites were put forward by Via East Midland's Asset Manager Peter Wells for surveying by Roadtechs.

Agreement was reached on treating four sites in the Mapperley, Gedling and Arnold district, totalling 52,600 square metres. These sites included the Gedling access road (GAR) which is a 3.8 km long road known as Colliery Way.

The four sites, all in close proximity, were chosen for their suitability, condition and age.

All of them being in good condition and at the right time to receive a life extending maltene emulsion treatment.

SOLUTION

The chosen surfaces needed no reactive maintenance, including pothole repair or patching work, and were seen as ideal for Roadtechs Reclamite® maltene replacement treatment.

Nottinghamshire County Council

This is a water based, cold spray emulsion, the only rejuvenator with BBA/HAPAS approval in the UK. It is also the surface treatment with the smallest carbon footprint of all those currently used on the UK's pavements. Its cost effectiveness and carbon efficiency allows for highways budgets to go much further whilst making major gains in carbon reduction.

OUTCOME

The Reclamite® application process is very quick, with Roadtechs' capability of treating circa 75,000 square metres in one shift, resulting in the individual sites easily being completed on an evening works basis.

Ideal weather conditions prevailed at the beginning of August with ambient temperatures of 20 degrees, meaning each site was completed and re-opened to traffic within four hours of closure, keeping disruption to local residents and the travelling public to a minimum.

Reclamite application

CASE STUDY **PREVENTATIVE MAINTENANCE WITH CARRIAGEWAY REJUVENATION**

Roadtechs provided traffic management through a sub-contract agreement with a Nottinghamshire based company, as part of the end-to-end management of the project.

"It was great to see the asphalt rejuvenation process up close Nottinghamshire recently. Roadtechs did a great job. The application of the Reclaimite was very quick, so quick that if you blink, you might miss it.

"We will monitor all the sites but already we feel the process can have a future role and have been encouraged by the results. I am really pleased to have been involved, and huge thanks to everyone who worked to make this project such a success"

Peter Wells, Highways Asset Manager for Via East Midlands.

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 15/H241

Reclamite™
ASPHALT REJUVENATOR

BENEFITS

- Huge reduction in carbon emissions of over 90% compared to full resurfacing.
- The expensive asset that has been paid for is maintained and retained for much longer.
- Whole life cost savings over a 15 year period of over 40%.
- Cost savings against expensive road repairs allows for highways budget to go further.
- Allows authorities to run preventative and reactive maintenance programmes simultaneously.
- A repeatable process that negates the need for costly interventions.
- Minimal road closure times, resulting in greatly reduced travel disruption.
- Treatment carried out in one closure, no additional traffic management cost or lining work needed.
- Pavement life extended by up to 7 years.
- No planed up material going to landfill.
- No heavy vehicle movements to and from quarries or asphalt plants.

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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