R.J.DANCE

roadtechs
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Power Plane
High Performance Road Planing

Brighton & Hove

Concrete Pavement Rehabilitation

With the City Councils push to being Carbon Neutral in 2030, it was time for the Highway Asset Maintenance Team to become 'Carbon Clever'.

Looking at the way we traditionally deal with maintenance of our Network and where value Engineering and the change of process can reduce the carbon footprint of a scheme, without impacting on the long-term resilience of the solution.

County Oak Avenue was a case in point, a concrete road that had been overlaid with a thin Microasphalt (there are many roads like this in the City), aesthetically it was looking tired and needed maintenance before more long term issues started to arise.

Working in partnership with our Term Maintenance contractor RJ Dance, and collaborating with Specialist Contractors Roadtechs and Power Plane we delivered the following scheme

In basic terms, we

1. Removed the thin Microasphalt surface, using a fine milling machine
2. Repaired all the joints, using a proprietary product called Techcrete
3. Fixed failed gullies, with a five-year warranty
4. Replaced the failed speed humps and dealt with the ponding issues around them, the flexible repair with an imprint (block effect), is more resilient and will outlast traditional designs

The rehabilitation process provides

1. Improved skid resistance (SCRIM)
2. Noise reduction (up to 10dB quieter than Asphalt)
3. More resilient road, less to fail, so no ongoing maintenance issues
4. Rapid installation process
5. Less disruption, as can be driven on immediately
6. Reduced Carbon footprint, no bitumen products or deliveries
7. Aesthetically more pleasing

Prior to Rehabilitation Works

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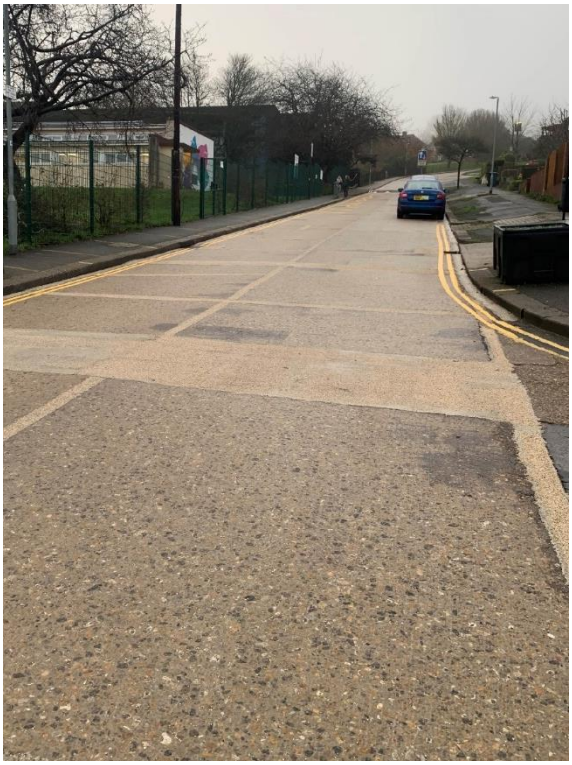
County Oak Avenue Completed Site




Priority over oncoming vehicles