



Case Study



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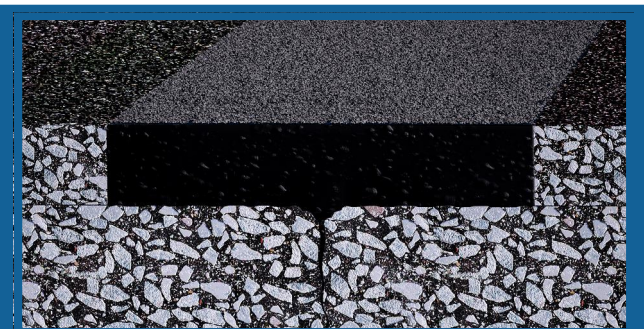
M4 Junction 19-20 and M5 Junction 15-17 Managed Motorways

Balfour Beatty Civil Engineering

A managed motorway scheme is being used to deliver the benefits of increased motorway capacity and reduced congestion on the M4/M5 which experiences 140,000 vehicles per day.

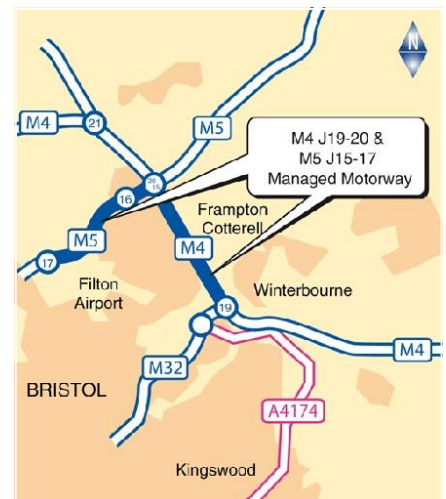
With the width of the running lanes due to be altered during the works to accommodate hard shoulder running, the weaker seam joint would be exposed to traffic and needed treating prior to switching over the traffic.

Rhino Asphalt Solutions installed the BBA HAPAS approved Jointmaster system to repair the fretted longitudinal seam joints in the asphalt mat. This left a safe running surface for traffic and maintained the integrity of the surface.



Profile of the Jointmaster repair showing the surface milled out and reinstated 200mm wide and 40mm deep.

Jointmaster is a heavily polymerised and bitumen rich compound for use in the repair of cracks and joints in highway surfaces. The finished material remains flexible which accommodates further movement while maintaining rut and skid resistance ensuring the safe passage of vehicles. Jointmaster is used extensively across the UK highway network including 10 of the UK's 13 motorway contracts.



Facts & Figures:

- Started January 2012
- Repairs to fretted longitudinal seam joints
- 38,000 Lin.m of 200mm wide x 40mm deep
- BBA HAPAS approved installation
- £1.2 million subcontract value

