

Project Profile

Project: A14 River Ouse Viaduct- Cathodic Protection

Client: Highways Agency



Having been at the centre of local media attention, the A14 River Ouse Viaduct was considered a risk to public safety due to unpredictable spalling of concrete from various sections, in particular were those sections spanning the B1044 road & its walkways. In addition to this the viaduct had generally become deteriorated & required maintenance in order to ensure its ongoing safe use for the millions of users & their vehicles that drive over it every year.

APA Concrete Repairs Ltd were contracted to undertake an extensive programme of Concrete Repairs & the installation of Cathodic Protection to the 5 supporting piers & abutments, all being constructed from reinforced concrete which had succumbed to a combination of water ingress from leaking road deck joints & waterborne de-icing salts that had penetrated into the concrete in places creating corrosion 'hotspots' where structural reinforcement was actively corroding within the critical supporting structure.

The majority of **APA's** concrete repair works were phased to reduce the need for temporary propping. Dry sprayed concrete was used to reinstate the areas that had been previously occupied by unsound concrete.



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