

Freyssinet protects Prickwillow Bridge

Freyssinet Ltd has conducted concrete repairs and installed an impressed current cathodic protection (ICCP) system to protect the Prickwillow Bridge in Cambridgeshire which carries the B1382 road.

The contract, awarded by Skanska Construction UK Ltd, comprised of concrete repairs to remove the delaminated/spalled concrete and the supply, installation, and commissioning of an ICCP system developed by Atkins/Cambridgeshire Highways. The works were installed by Freyssinet and Corrosion Control Services Ltd (CCSL)

All work beneath the deck was carried out from a pontoon in the river Lark as river traffic prevented scaffolding being erected. The bridge was closed to motor traffic while work was carried out on the top deck.

Once repairs were completed an ICCP system was installed. This consisted of two anode types, Chemical Newtech discrete anodes installed into drill holes and Chemical Newtech ribbon anode mesh installed into saw cut chases.

The structures repaired and protected comprised the east and west halving joints; anodes were installed into the top of the deck, the deck soffit, and the adjacent beam ends, each joint was divided into five separate anode zones. The remote monitoring and control system was developed by Remco Systems in conjunction with CCSL.



The ICCP system was commissioned on the 10th November 2014 and will be monitored for a period of 56 weeks by CCSL.

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