

Sherbourne Bridge

Greater Manchester



Country: United Kingdom

Timescale: July– December 2014

Structure: Sherbourne Footbridge

Client: Urban Vision Partnership Ltd

CPT Treatment used:

DuoGuard™ Hybrid Anode™ System



Sherbourne Bridge is a footbridge located in Greater Manchester. The footbridge over the River Irwell in Salford, is a reinforced concrete superstructure .

Problem

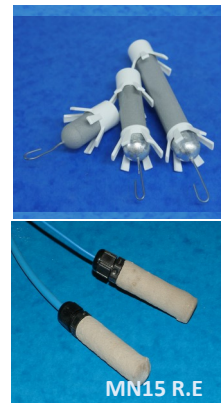
A corrosion survey of the Post-tensioned beams and pier structures (visual, hammer-tap and half-cell potential surveys as well as chloride profiling and carbonation depth analysis) revealed significant damage and areas of future corrosion risk.

Solution Developed

Following the testing and necessary concrete repairs, DuoGuard Hybrid anode systems were designed by CPT (to BS EN ISO 12696:2012) to halt the ongoing corrosion and prevent future damage.

Benefits

The work was carried out quickly and efficiently and the area handed back to the main contractor 'on time' ready for internal fit out. "The bridge has been restored and refurbished to a high quality, maintaining a key access route for the community and avoiding the high cost of full bridge replacement".(Urbanvision)



CPT Products Used:

- ◆ DuoGuard™ 350 & 500
- ◆ DuoCrete SD Mortar
- ◆ MN15 Ref. Electrodes

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