



# Project Profile

**Project Title:** Tipner Interchange Bridges, Portsmouth

**Client:** Portsmouth City Council



Tipner Interchange Bridges carry the M275 motorway over Tipner Lane in Portsmouth. The two structures were originally designed to accommodate a future grade-separated roundabout junction at the site. Principal Inspection reports had revealed leaking joints above the two intermediate piers at each structure and testing work confirmed the presence of very high chloride concentrations in the piers.

A need to repair or replace the affected piers was identified by Portsmouth City Council and **APA Concrete Repairs Ltd** were chosen by the client as one of the preferred partners and member of the Design Team for the Early Contractor Involvement (E.C.I.) phase of the scheme.

A 'mesh and overlay' type impressed current Cathodic Protection system was chosen which involved the installation of a layer of titanium mesh overlaid with a 25-30mm thick layer of dry-sprayed concrete.

The refurbishment works were successfully completed in November 2008 and the C.P. System is due to be finally commissioned in December 2008.



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