

Haslar Bridge - repair and protection



Haslar Bridge spans the Gosport estuary and serves as a major access route. Our brief was to repair the eight concrete piers and crossheads of the bridge, replacing the steel reinforcement where needed.

The solution was to design and fit a cathodic protection system. This sends a low voltage electric current through the steel and prevents future corrosion. A control system was installed at one end of the bridge, and a protective coating applied to the structure to prevent future chloride ingress.

The works required consultation to maintain pedestrian and cycle access for local businesses, naval and public buildings. Haslar Lake is an environmentally sensitive site and demanded careful works planning and site supervision to protect wildlife.

Key benefits

- The works were delivered within budget, on time, and without damage to the estuary's wildlife
- The innovative control system for the cathodic protection system feeds back data via the internet, enabling remote monitoring of the structure
- The works should extend the life of the bridge by c.60 years

Location:

Haslar Bridge, Gosport

Client:

Hampshire County Council

Value: £870,000

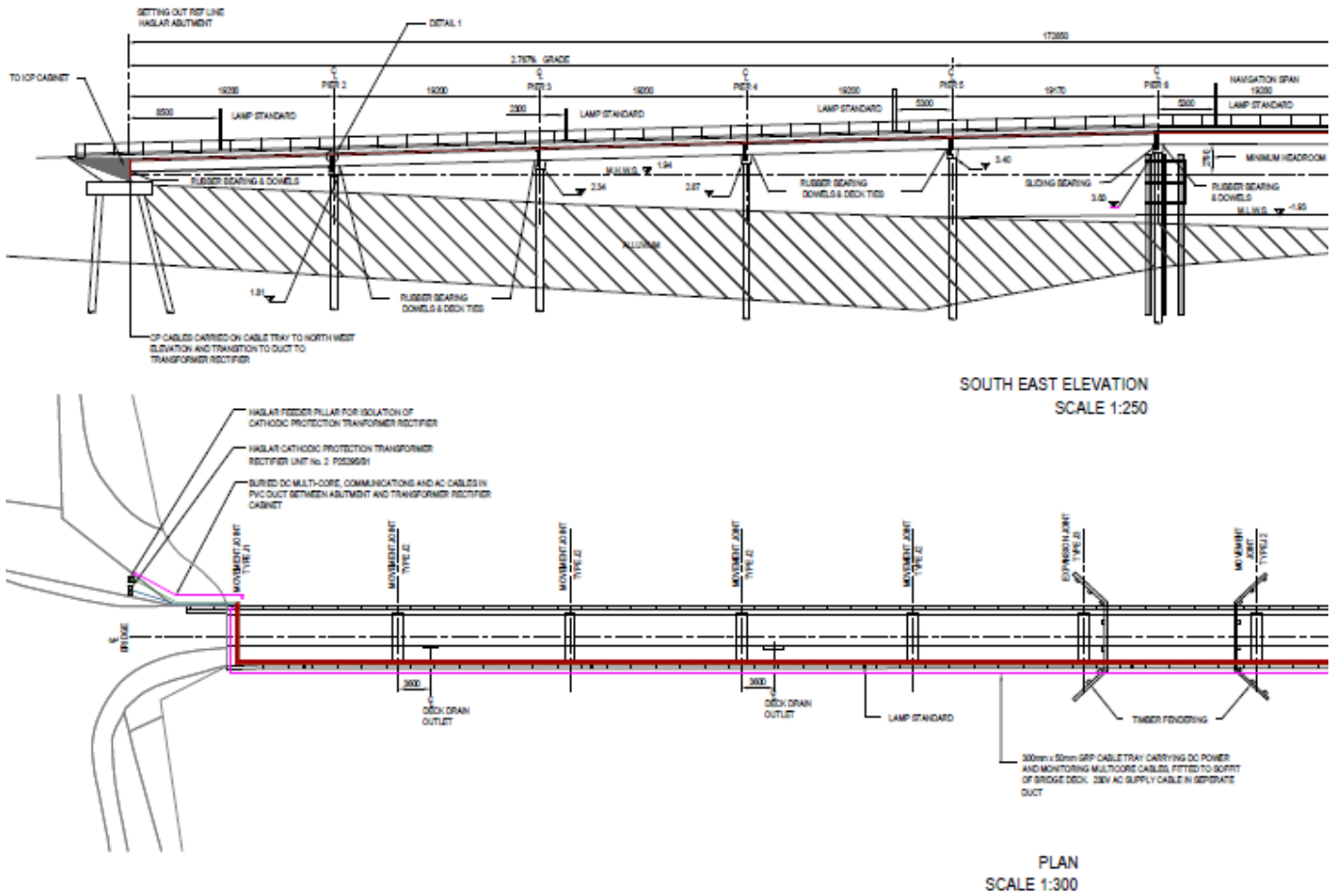
Completed: November 2015

Specialist teams:

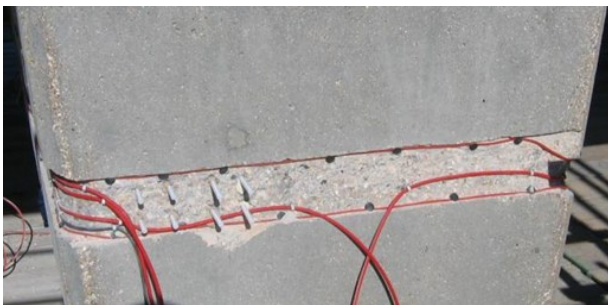
Hampshire Services' Engineering Consultancy (project management, communications, design (with Atkins), contract management, site supervision); Raymond Brown and Concrete Repairs Limited (contractor / sub-contractor)



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Cathodic protection: Anode installation, cabling and junction boxes



Concrete breakout and repair to piers

