

Project Case Study



MILLENNIUM FOOTBRIDGE REFURBISHMENT

The Millennium Footbridge is located on the border of the Riverside and Cathays areas of Cardiff and spans the River Taff, providing a pedestrian and cycle link between Sophia Gardens and Bute Park.

The bridge, which was built in 1999 and with an estimated 22,000 crossings made every week, has been subject to general wear and tear, as well as constant exposure to the elements. In September 2013 Cardiff Council identified the need for essential maintenance and appointed Griffiths to undertake the Works.

The bridge was closed to the public for a period of 10 weeks in order to:

- Grit blast the superstructure and repaint including the removal and reinstatement of sealants on all construction joints
- Blast clean and repaint parapets on both the bridge structure and approach to the bridge – the cumulative length being 56 metres
- Install 160m² new “Traffideck” anti slip system to the steel bridge deck

The footbridge was completely encapsulated throughout the works to prevent the pollution of the River Taff with Pollution Prevention Guidelines 5 incorporated within the Project Environmental Management Plan.

Apart from the footbridge and the approach ramps all existing pedestrian pathways and tracks within the confines and adjacent to the works remained open at all times. Pedestrian and cycle diversions were clearly signposted and a Community Liaison Plan was developed in order to manage relationships with surrounding businesses.

All works were completed within the planned 10 week closure and the bridge reopened to the public prior to the busy Christmas period.

Project Details:

Client

Cardiff Council

Location

Sophia Gardens/Bute Park,
Cardiff

Completion Date

Dec 2013

Value

£150k

Contract

NEC Option A

Key Project Aspects

- Bridge Refurbishment
- Shot/Grit Blasting
- Waterproofing
- Anti-slip surfacing
- PPG5
- Flood Defence Consent