

High Orchard Lift Bridge



Customer: Alun Griffiths (Contractors) Limited
Location: Gloucester Quays, Gloucester, United Kingdom
Year of Completion: 2008

The High Orchard Lift Bridge at Gloucester Quays provides a vital link to Gloucester's transport infrastructure by linking the inner relief road to the newly completed south-west bypass. The bridge, formerly known as the St Ann Way Bridge Link, will provide access to the massive Gloucester Quays £250 million re-development scheme.

The bascule type bridge is 28 metres long, 15.7 metres wide and sits 6 metres above the Gloucester to Sharpness canal to enable most boats to pass underneath without the bridge needing to be raised. DavyMarkham designed, manufactured and installed and commissioned the Mechanical Lifting system together with the Hydraulic and Electrical Control Systems. For each opening and closing movement an electronic control system produces a programmed sequence of acceleration, controlled speed and deceleration, initiated from a main operating console.

In the bridge down position, the nose rests on four bearing blocks and the bridge is fixed in position using two hydraulically operated tail lock systems.

DavyMarkham provided a constant quality service throughout many of the technical difficulties the customer experience in the project, leading to maximum customer satisfaction which we received in a customer feedback letter:

"The manner in which you have dealt with these difficulties is a credit to you and your team's professionalism and I would like to express my appreciation and gratitude for all of your efforts to sort out this often baffling and complex discipline."



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