

A52 Clifton Bridge, Nottingham

Suspended scaffolding enables repair works on a major National Highways bridge upgrade project

Key Benefits:

Early clash detection

Flexible stair lifts for various working heights

Scaffolding and formwork integration



The project at a glance

The A52 Clifton Bridge, a major National Highways upgrade project in Nottingham, is a complex structure, which required repairs inside and underneath the bridge to strengthen the concrete.

Developer: National Highways

Main Contractor: VSL Systems UK

Specialist Contractor: Newco Scaffolding

Products and Services:

PERI UP Flex Modular Scaffolding, PERI UP Flex Stair 75, VARIOKIT, DUO formwork



What did the customer need?

There were various access requirements on this project, as it involved teams working at height in inaccessible areas. This involved detailed planning and demonstrating how the suspended access would be installed to the underside of the bridge, which spans 100m over water.

Spans 4 and 5 were critical structural sections of the bridge as they sit directly above the River Trent, making access to this section more technical than most.

In addition to scaffolding, our customer needed a suitable formwork system that could be lifted into confined areas by hand.

How did we help?

Over 140 tonnes of PERI UP scaffolding was used on the project to support a range of access requirements, keeping the temporary load of the solution to a minimum throughout each phase. This involved incorporating our lightweight **PERI UP 75 Flex Stairs** where possible for greater flexibility, with its range of stair lifts accommodating changes in working height throughout the build. Other systems included birdcage scaffolds with high load capacity to store large amounts of material on opposite sides of the river leading up to the suspended scaffolding and walkway to the underside of the bridge.

Access to material was enhanced by integrating our 40kN-capacity PERI UP loading bays on site, as they provided ideal storage space at the required levels and could be accessed via the main working platforms.

We also supported with **3D planning**, which demonstrated how our lightweight **DUO formwork**, **VARIOKIT** and scaffolding systems would integrate on this project to create a unified temporary works solution with no clashes throughout the build.

Contact us by email
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