

A92 North Water Bridge Under Arch & Elevation Access Over River Spans.

Built in 1775 this stone arch bridge spans the river Esk and carries the A92 from Montrose to Aberdeen. As part of the 2007/8 maintenance works stone replacement, raking out & pointing was required to specific areas along the length of the bridge. The two river spans proved difficult to scaffold and so ALPS were commissioned to design & supply an Engineered Access Solution. Due to its status no drilling or attachments to the bridge was permitted.



ADT Installation; 4 ALPS operatives taking 1-1/2 days to install 60M of track at road level

The “Alloy Double Track” is quickly installed to the custom designed suspension davits & jibs using the special suspension brackets & clamps.

ALPS Industrial Rope Access operatives install the track ensuring maximum safety during the high level installation task.



ADT and trolleys in place



2 x 30M of ADST track & support blocks in place.

The ADT track is secured to the jibs using custom hangers; these ensure full adjustability on site for track levelling; the multi-wheeled trolleys & travelling systems are then installed. The davits are secured to concrete blocks each with a 2500Kg self weigh. These blocks only 600mm wide keep a useful road width of 3-70M in place on the already narrow bridge.



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Once the ADT track was installed the suspended access platform was assembled and suspended under the arch offering tactile access to all areas, the access platforms were quickly installed on each of the two elevations accessing the complete bridge.

The ADT traversing access system ensure safe access to all areas of the arch with minimum disruption to the function of the bridge, minimum component count ensure rapid installation, no drilling to the bridge was required.

For further information regarding ALPS Engineered Access Solutions please call (UK) 01246 413111 or email: access@alps-uk.com