

PROJECT FILE:

The Orwell Bridge:



Total length, 1,287 metres: Navigation span, 190 metres: Height above river at high tide, 39 metres.

ALPS were commissioned to design supply, install and manage the temporary Underdeck Access Platform required for full inspection and remedial works to all concrete surfaces of the bridge.



The suspended access platform supplied and installed was almost 27 metres long (88ft) and suspended from either side of the bridge using custom mobile suspension “C” stirrups. The overall width of the bridge is 24 metres and the depth at main span is 12 metres. This required an auxiliary alloy scaffold tower with a height of 12 metres.

The main platform was designed to travel both vertically, accessing all piers in doing so, and horizontally, traversing the full length of the structure.

Access to and from the main platform was accomplished using 2 no. Powered Access Platforms “cradles” suspended from the travelling stirrups.



12M Alloy Tower on board main platform



27M Platform lifted from barge and “Going-Up”



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