

## Attingham Park- National Trust

### Details

**Client:** National Trust

**Location:** Attingham Park, Shrewsbury

**Length:** 42m overall

**Width:** 1.5m

**Form:** Cable stayed walkway

### Project Description

The replacement bridge was located in the heart of the grounds of Attingham Park. Access to the nearest farm track was 500m away and the site was within the boggy flood plain.

CTS removed the existing timber framed suspension bridge; preparing a sequence of works to ensure a safe and controlled demolition which relied only on land based temporary works to avoid any works or existing structure entering the watercourse.

CTS determined the National Trust's requirements and after initial liaison put the National Trust in contact with a civil firm who we worked closely with in the past and coordinated the substructure/superstructure works.

Access was a key constraint. An aluminium access trackway with heavy bog mats at the lift site was installed by CTS to allow bridge delivery and crane access. Even so CTS were limited to the size of plant or section of bridge which could be delivered. Installation was advised to be scheduled post march to minimise the risk of flooding and improve ground conditions.

The main bridge span was delivered in 3 sections to reduce the lift weight to within the capacity of the maximum sized mobile crane we could get to site and installed insitu over the river.

No temporary works could be placed in the river so again all work was managed using a safe system of work from the bank

Images (top to bottom) :-

National Trust— 23.4m, 9m & 9m x 1.5m three span cable stay beam bridge, Attingham Park, Shrewsbury

Detail of parapet; an elegant and lightweight footbridge parapet consisting of profiled flat uprights with horizontal stainless steel wires creating the infill.

