

Pont Cysylltau Bridge, near Llangollen



The B5434 Pont Cysylltau Bridge majestically spans the River Dee near Llangollen

Pier Strengthening, Repointing & Waterproofing

Pont Cysylltau is a 300-year-old three span masonry arch bridge located where the B5434 crosses the River Dee, just south of Trevor near Llangollen. The bridge is a Scheduled Ancient Monument and Cadw, the Welsh Historic Structures Agency, has granted part funding of the project. The work includes removing unsound and hard cementitious mortar, repointing with lime mortar, replacing defective stonework and the removal of vegetation on the structure.

The south arch is being strengthened by the excavation of fill, grouting L bars into the masonry and backfilling with concrete and grouted anchors in the south abutment.

Part of the downstream south spandrel wall and parapet is being taken down and rebuilt. The upstream portion of the south pier also requires rebuilding due to vehicle impact damage. The surfacing is to be removed and a waterproof layer applied to the existing concrete slab followed by the reconstruction of the surfacing.

Client	Wrexham County Borough Council
Consulting Engineer	Veryards
Funding	Cadw (Welsh Historic Structures Agency)
Principal Contractor	Balvac
Value	£300,000



Pointing, resetting blocks and filling voids is required to the piers and abutments below low water level. Temporary cofferdams will be required to enable this work to be carried out in a dry environment.

The B5434 road has been closed to allow works to proceed to the single lane historic bridge.