

Pont Gwynfynydd Bridge, Coed y Brenin

Eryri National Park, Wales 2006



Client	Gwynydd Council
Contractor	Gwilym James
Consultant	Gwynydd Council

Located in the Coed y Brenin forest on the edge of Eryri National Park the original 18th Century masonry arch bridge at the site was washed away in the 2001 floods. A new structure was required to replace the temporary footbridge and to reopen the route to forestry traffic.

The client required a solution that could be constructed quickly and safely over a fast flowing river. Precast construction was important to minimise the risk of polluting the river. Materials for the project needed to be capable of being transported along forest tracks to the site.

As the structure is located in a national park it was important that no concrete was visible on the elevations.

Reinforced Earth Company (RECo) designed and supplied single piece arch units and wire mesh faced reinforced soil bridge spandrels to form the bridge structure. Bespoke precast concrete parapet units were also supplied by RECo.

The structure was clad with locally quarried stone to give a traditional appearance to this modern high performance structure.

The bridge won the Constructing Excellence Award for Innovation in 2007.