



Leak Sealing & Waterproofing • Concrete Repairs • Crack Injection • Pressure Pointing & Grouting • Structure Condition Surveys • Protective Coatings • Joint Sealing
Diamond Drilling & Sawing • Concrete Bursting & Crunching • Robotic Demolition

Scheme: Strengthening of Pont Glanrhos, Amlwch Port, Anglesey

Problem: Lack of bending resistance in culvert roof

Solution: Carbon Fibre Reinforced Plate Bonding (CFRP)

Client: Isle of Anglesey County Council

Ram Services were invited to partake in a competitive tender process for strengthening of the under strength culvert, which included design of the strengthening works (and arranging an independent check) prior to implementation and the installation of CFRP materials on site.

Following a successful bid, the contract was awarded in August 2000. Design was undertaken by Dr R C Slater, with whom Ram Services have collaborated on many such occasions, with the independent check being undertaken by Burgess Roughton's Kendal office. Temporary works consent was sought from the Environment Agency.

Following a mobilisation onto site, the culvert roof soffit was prepared by abrasive grit blasting before a total of forty seven SBD En-Force CFRP plates 1.4m in length were installed.

Contract duration: 4 days

Contract value: £7,500.00

For further details please contact our Structural Refurbishment Team.



Photos of typical culvert roof strengthening works using carbon fibre plate bonding.

