

Project: Cour Wind Farm Access Bridges

Product: 2 no. 8.9m x 4.5m Retro Beam Bridges and
1 no. 11.9m x 6.9m Retro Beam Bridge

Loading: LM1 loading to the UK NA to BSEN1991-2:2003, articulated dump trucks and wind turbine component delivery vehicles.

In March 2016, Retro Bridge successfully supplied and assisted with installation of three permanent Retro Beam Bridges, built over three separate rivers to provide vital access to the Cour Wind Farm in Argyll and Bute, Scotland.

The new structures were built to provide vehicular access to the site and are designed to carry LM1 loading to the Eurocodes, articulated dump trucks, other heavy earth moving equipment and wind turbine component delivery vehicles.

The bridges were required to replace an existing temporary bridge and two pipe crossings on the project to provide reliable access and ensure that this remains unaffected in times of heavy rain.

Main contractor RJ McLeod chose the Retro Beam Bridge system as it provided a low maintenance and lightweight deck solution allowing all three bridges to be constructed in just 3 days.



Installation time was vital as the existing structure making up the largest bridge formed the only access to the site. Once this had been demolished, its reconstruction in the shortest possible time was important to ensure that the main project construction programme remained unaffected



All bridges were single span - two were 8.9m long with a 4.5m roadway and the largest was 11.9m long with a 6.9m roadway.

RJ McLeod personnel successfully installed the bridges using a 95 tonne capacity crane with technical assistance provided on site by Retro Bridge.

The contractor was delighted with the end result, and commended Retro Bridge on the professionalism of its team and the quality of the Retro Beam Bridge product.