

SUCCESS STORY

STATIC BEARING FOR BUILDING

Reconstruction Gobbins Cliff Path, Northern Ireland

PROJECT DATA

Brief description

Reconstruction of the Gobbins cliff path on the „Causeway Coastal Route“ on the cliffs of Ireland, located near Belfast.

Requirement

Absorption of displacements and dissipation of forces.

Country, year

Northern Ireland, 2015

PROJECT DESCRIPTION

„The Gobbins“ was originally created by an Irish railway engineer called Berkeley Deane Wise in 1902. The path was designed to attract tourists to experience the variety of rocks, birds and animals along the Gobbins cliffs. This was achieved with over 20 footbridges placed along the cliffs. However, in 1954 the path was officially closed and decayed. In 2011-2015 a project was started to restore and reopen the cliff path. The aim was also to restore the bridges to make them future-proof and to protect them against environmental influences.

SOLUTION

In cooperation with our partner company SDG, Calenberg was able to design and implement its Civalit® and Ciparall® sliding bearings for the pedestrian bridges. These bearings absorb the movements, loads and rotations caused by the rough weather and the visitors and transfer them to the foundations, as well as the temperature-related length changes of the bridge steel structures. They work reliably despite the most adverse weather conditions and salty spray. The installation of our sliding bearings in the bridge structures was realised in mid 2015.



The Tubular Bridge

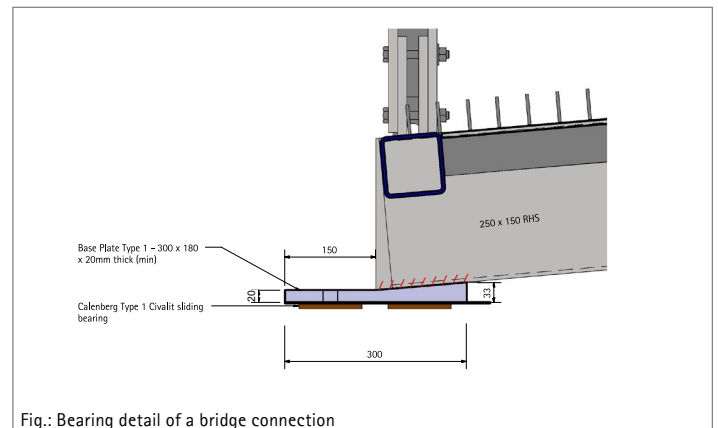


Fig.: Bearing detail of a bridge connection



View in south direction over the North Channel