

SDG

STRONGER
TOGETHER

GOBBINS COASTAL PATH RECONSTRUCTION ANTRIM

MAIN CONTRACTOR

MCLAUGHLIN & HARVEY CONSTRUCTION

CLIENT

LARNE BOROUGH COUNCIL

ENGINEER

DESIGN & BUILD - DORAN CONSULTING

DATE

2015

PROJECT SUMMARY

The original Coastal Path, which was linked by a series of spectacular metal bridges, was designed in 1902 as a commercial venture to attract passengers to use the rail link between Belfast and Whitehead. The path was closed to the public in 1954, and fell into a state of disrepair, with many of the original metalwork structures and rails damaged or collapsed because of rust and the action of the sea.

In its day the coastal path was more popular than the Giant's Causeway, and in 2015 it was hoped that the £6m restoration would return the attraction to its former glory for a new generation to enjoy.

THE CHALLENGE

Works included the installation of approximately 1km of new coastal path, new hand railings, and 20 new bridge structures; including the replication of the famous tubular hoop bridge.

SDG were contacted by both McLaughlin & Harvey and Doran Consulting to seek advice on Sliding Bearings for the bridge structures.

WHAT WE PROVIDED/SOLUTION

Having built a substantial working relationship with Calenberg Engineering over the years, we were happy to partner on a new project requiring an innovative technical proposal. With the assistance of their experienced engineers, they recommended the use of Civalit Sliding Bearings, Reinforced Elastomeric Sliding Bearings, and Cross-Tensile Reinforced Elastomeric Sliding Bearings. Cross Tensile Reinforced Elastomer Sliding Bearings.

THE RESULTS

SDG supplied the bespoke bearings, each to be installed under the base plates of each structural element where they will work to take up loads, movements, and most importantly - prolong the life of the structure.

