

ADMIXTURES

CASE STUDY

Project:
**Mulroy Bridge
Donegal**

Main Contractor:
Ascon

Engineer:
RPS

Concrete Supplier:
Muckish Sand & Gravel

Products used:
**Chemcrete 100 Plus
Chemcrete CR800**



The bridge replaces an old ferry that plied the bay to connect two communities up to mid 1960s.

Prior to the construction of the bridge, the journey time between the Fanad Peninsula and the Rosguill Peninsula was up to 2 hours (50km) – it now takes 5 to 10 minutes.

This €17.5m project is a high level and multi-span bridge across Mulroy Bay, County Donegal, with associated approach roads.

The bridge length is 340m and it comprises 5 spans, with a main span of 100 metres.

Designed by RPS with the balanced cantilever method, the bridge is built from the piers by means of formwork travellers. The bridge advanced from the top of the piers symmetrically in segments 4m in length (load balancing method) to the mid span where it met the adjacent advancing section and was then 'stitched' together. Larsen supplied concrete admixtures for the concrete used on this project.

Mulroy Bridge was shortlisted for the Engineering Project of the Year in 2010 as part of the inaugural Engineers Ireland Excellence Awards in association with ESB.

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