



Bridges

 Herring Bridge, Great Yarmouth, England

Roughan & O'Donovan delivers civil engineering infrastructure and bridge projects all over the world.

Experience

Roughan & O'Donovan (ROD) has more than 40 years' experience planning, designing, inspecting and assessing bridges – both stand-alone and as part of major infrastructure projects.

From award-winning cable-stayed bridges to modular footbridges and culverts, our bridge solutions combine engineering excellence with graceful design.

Services

Our engineering services are focused on sustainability, constructability and value. They cover the entire bridge cycle from initial planning, preliminary and detailed design through to inspection, maintenance and rehabilitation.

Approach

Our bridge engineers and technicians adopt cutting-edge techniques and digital technologies to deliver efficient solutions on time and within budget.



Northern Spire Bridge, Sunderland, England

Projects

Herring Bridge

ROD led the detailed design of the Herring Bridge project in Great Yarmouth on behalf of BAM Farrans, a joint venture between BAM UK & Ireland and Farrans Construction. The main feature of the scheme was a 50m clear span, twin bascule bridge that provides a new link across the River Yare in Norfolk.

Northern Spire Bridge

ROD, in joint venture with Buro Happold, provided consultancy services to Farrans Victor Buyck Construction JV - from tender through to completion of construction - for the permanent works structures on this large-scale infrastructure design and build scheme in Sunderland. The scheme won multiple awards including a Special 30th Anniversary Robert Stephenson Award at the Institution of Civil Engineers North East Awards 2021.

Clyde Waterfront and Renfrew Riverside

ROD and H&H are collaborating to provide comprehensive movable bridge engineering design services for the first opening road bridge over the River Clyde in Renfrewshire, Scotland. The 184m double cable-stayed swing bridge will carry vehicles, cyclists and pedestrians on a 12.3m wide bridge deck.

Corporation Bridge

This Grade II listed, six-span bridge crosses the River Freshney in Grimsby, Lincolnshire and incorporates a rolling bascule "Scherzer" moving span. ROD is supporting the contractor, Spencer, with the refurbishment works, which include undertaking inspections and assessment, steelwork repairs, deck replacement design and several feasibility studies.

Awards

A6 Randalstown to Castledawson ECI

CEEQUAL Whole Project Excellent Sustainability Award 2022

Overall winner at the Construction Excellence Awards 2021

Northern Spire Bridge

Transport Project of the Year at the British Construction Industry Awards 2019

Institution of Civil Engineers Robert Stephenson Special Project Award 2018

Rosie Hackett Bridge

ACEI Design Excellence Award 2015

Engineers Ireland Engineering Project of the Year Award 2014

River Erne Bridge

ACEI President's Award for Innovation 2014

Irish Concrete Society Overall Award 2014