



Bridges

 Northern Spire Bridge, Sunderland, UK

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

With a focus on sustainability, constructability and value, our engineering services 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.



Projects

Great Yarmouth Third River Crossing

ROD is leading the detailed design of the Great Yarmouth Third River Crossing project in Norfolk on behalf of BAM Farrans, a joint venture between BAM Nuttall and Farrans Construction. The main feature of the scheme is a 50m clear span, twin bascule bridge that will provide a new link across the River Yare in Norfolk.

Section of the North Western Transport Corridor, Northern Ireland - A6 Dungiven to Drumahoe

ROD is the lead designer for the Sacyr-Wills-Somague JV on this 25.5km dual carriageway project. The scheme features 22 bridges, including ten overbridges, four underbridges, seven river bridges and an underpass. The most complex structure is an 80m, 56 degree skew, single span, composite deck bridge.

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. The scheme won multiple awards, including 'Transport Project of the Year' at the British Construction Industry Awards 2019.

Clyde Waterfront and Renfrew Riverside project

ROD and Hardesty & Hanover (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 deck.

Awards

Northern Spire Bridge

Robert Stephenson Special Project Award at the Institution of Civil Engineers Awards 2021
Transport Project of the Year at the British Construction Industry Awards 2019

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

A6 Randalstown to Castledawson ECI

CEEQUAL Whole Project Excellent Sustainability Award
Overall winner at the Construction Excellence Awards 2021