



A lecture arranged by Engineers Ireland Civil Division with the ICE ROI Branch and Irish Concrete Society

Design and Construction of the Rosie Hackett Bridge

Monday, 22nd February at 6:30 pm
Engineers Ireland, 22 Clyde Road, Dublin 4

Background



The 'Rosie Hackett' Marlborough Street Public Transport Priority Bridge over the River Liffey was voted Engineers Ireland Engineering Project of the Year Award 2014 in an online vote in the fifth annual Engineers Ireland Excellence Awards. The bridge was also the overall winner of the 33rd Irish Concrete Society Awards.

Now that it is opened, the Rosie Hackett Bridge has become the newest addition to the family of bridges crossing the River Liffey. Technical excellence has always been attributed to the bridges across the Liffey and this bridge is no exception as it has not only continued this tradition but has brought the technical possibilities for concrete bridge building to a whole new level on the international stage. Rosie Hackett Bridge sets a new standard in the capabilities of structural concrete, far exceeding anything that has been achieved in this country before and has been the topic of much discussion within the international bridge world since it opened in May 2014.

The presentation will track the project from the Preliminary Stages and Planning right through Detailed Design, Construction and Operation. In particular we will focus on the detailed design of this project as well as some of the difficulties overcome during construction. This included the development of a number of innovations in concrete technology and first principles design in accordance with current standards to deliver the profiled and ultra slender concrete deck.



About the speakers

Tony Dempsey, Chartered Engineer, is a Director of Roughan & O'Donovan and has over 18 years experience on major international projects at all stages from feasibility study, preliminary and detailed design to construction supervision.

Philip Brown, Chartered Engineer, is Chief Engineer of Graham, the contractor responsible for constructing the bridge. Philip has more than 20 years' experience in construction and has previously played a key role in the delivery of the William Dargan, and Samuel Beckett Bridges in Dublin.

Joe Kelly, Chartered Engineer, received his civil engineering degree and MSc from Trinity College Dublin and has over 20 years experience on Civil engineering and bridge projects in Ireland and the UK. Joe is a Technical Director with Roughan & O'Donovan Consulting Engineers.