

## **EVENING LECTURE – Maintenance of the Forth Road Bridge**



When opened in 1964, the Forth Road Bridge (FRB), with a main span of 1006m, was the 4<sup>th</sup> longest in the world and was the 1<sup>st</sup> long span bridge to be built outside the US. Having recently celebrated its 50<sup>th</sup> anniversary the FRB now transports over 25 million vehicles per year and is a vital link in Scotland's strategic road network. However, the operation and maintenance costs of large cable supported bridges such as the FRB are often underestimated by those funding their initial construction. It would also appear that new design and construction of large cable supported bridges are still undertaken without much reference to those who have the experience of maintaining and operating them. This presentation will delve into these topics and describe the maintenance works carried out on the FRB over the past 15 years so as to ensure structural integrity for its remaining service life.

Presented by:-

**Barry Colford** Chief Engineer & Bridgemaster, Forth Road Bridge

Barry is a Chartered Civil Engineer and Fellow of the Institution of Civil Engineers. Barry is author of a number of technical papers on bridge engineering and is a European Committee member of the International Cable Supported Bridge Operators Association. He represents the Long Span Bridges Group on the UK Bridges Board and Bridge Owners Forum. He is involved with both Edinburgh University and Edinburgh Napier University in their MEng and MSc courses. He is the Chief Engineer and Bridgemaster of the Forth Road Bridge.

**6.30pm, Tuesday 10<sup>th</sup> March, 2015**  
**Engineers Ireland, 22 Clyde Road, Dublin 4**  
**Admission Free - All welcome**

For further details [www.engineersireland.ie](http://www.engineersireland.ie) or email Fergal Cahill at [fcahill@nra.ie](mailto:fcahill@nra.ie)