



The Deep Foundations Institute is a not-for-profit association of contractors, engineers, manufacturers, suppliers, owners and academia.

DFI's membership promotes understanding and advancement of the deep foundations & excavations construction industry through conferences, publications, and community.

The technical committees, Augered Cast-In-Place Pile, Drilled Shaft, Driven Pile, Helical Foundations & Tiebacks, Marine Foundation, Micropiles, Seismic and Lateral Loads, Slurry Wall, Soil Mixing, Testing and Evaluation, and Tiebacks & Soil Nailing provide industry leadership for these foundation systems, through the publication of Guides, Specifications and References and by providing educational programs.

The membership is international.

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## For Immediate Release

### DFI's 2007 Outstanding Project Award Winner The Rion-Antiron Bridge in Greece

August 8, 2007, Hawthorne, NJ: The longest cable-stayed bridge in the world, the Rion-Antiron, is the recipient of the 2007 Deep Foundations Institute Outstanding Project Award. Presentation of the award will be made to Langan Engineering and Environmental Services, the firm who nominated the project and served as technical advisors on the project, at the Awards Banquet during DFI's 32nd Annual Conference on Deep Foundations in Colorado Springs, Colo., October 11-13, 2007.

The bridge was singled out for its innovative foundation system, and other record-breaking design and construction features, which were devised in response to the extraordinary technical complexities of the site.

The three-span cable-stayed suspension bridge connects Greece's southernmost peninsula, the Peloponnese, with the mainland across the Gulf of Corinth. The seabed beneath the bridge is extremely deep, more than 60 meters (200 ft or more), and the seabed has weak foundation soils. The unique foundation system includes the use of up to 30-m (100-ft) long, 2-m (7-ft) diameter steel pipe inclusions used to reinforce the weak foundation soils so that the shear strength would withstand the seismic forces as well as hydrodynamic water pressures likely to occur during the design earthquake.

The design and construction of the Rion-Antirion Bridge set several world-records. In addition to the first use of inclusions, the bridge is the longest cable-stayed suspension bridge in the world at 2,400 m (8,000 ft), and has the deepest bridge foundations, at 65 m (200 ft). The pylons are also record-breaking; each base is 90-m (300 ft) in diameter.

The project began in 1993, when a French-Greek consortium led by Vinci of Paris was contracted to design, build, finance and operate the bridge for \$900 million-plus. The contract covers a 42-year period, 7 years for design and construction and 35 years for operation. The Rion-Antirion Bridge was completed within budget and opened four months ahead of schedule on August 8, 2004, in time for the Olympic Flame to cross the Gulf of Corinth.

For more information on the Rion Antiron Bridge project or for a copy of the article from DFI's magazine, Deep Foundations Fall 2007 issue, contact DFI at 973-423-4030.

*The Deep Foundations Institute, incorporated in 1976, is a not-for-profit professional association of over 2,000 members from the deep foundation and related industries. Those interested in becoming a member or who would like more information on DFI, please visit [www.dfi.org](http://www.dfi.org) or call 973-423-4030.*



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