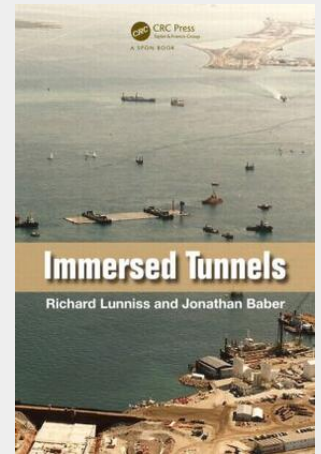


Immersed Tunnels

Immersed tunnels have been around for more than a century but remain a relatively unknown form of tunnel construction. For waterway crossings they are an effective alternative to bored tunnels and bridges, particularly in shallower waters, soft alluvial soils, and earthquake-prone areas. Successful implementation requires a thorough understanding of a wide variety of civil engineering disciplines and construction techniques. Immersed Tunnels brings together in one volume all aspects of immersed tunnels from initial feasibility and planning, through design and construction, to operation and maintenance. Get Valuable Insights into Immersed Tunnel Engineering from Expert Practitioners The book presents design and construction principles to give a full appreciation not only of what is involved in an immersed tunnel scheme but also how potential problems are dealt with and overcome. It examines important factors that have to be considered, particularly environmental implications and mechanical and electrical systems. It also gives practical examples of how specific techniques have been used in various projects and highlights issues that designers and constructors should be aware of. In addition, the book discusses operation and maintenance and reviews contractual matters. These aspects are described from the viewpoint of two experienced practitioners in the field who have a wealth of experience on immersed tunnel projects worldwide. As tunnels are increasingly being adopted as engineering solutions around the world, this unique and extensively illustrated reference explores the wide variety of immersed tunnel techniques available to designers and constructors. It provides essential insight for anyone involved, or seeking to be involved, with immersed tunnel projects.



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