

Designing and Constructing Prestressed Bridges

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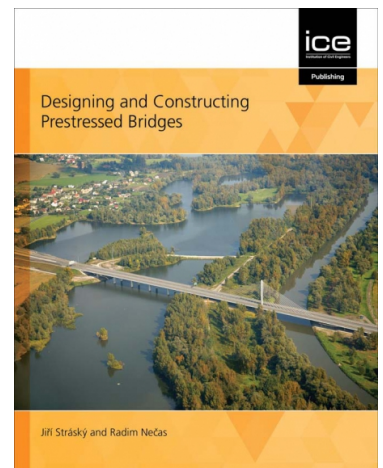
About the Book

Designing and Constructing Prestressed Bridges shows how designs using prestressing methods can be utilised in the building of bridge structures. Prestressed bridges can be used in a variety of locations and styles and it can often be difficult to understand the intricacies of the design. This book solves this concern by discussing the aspects of bridge design in order to find the most appropriate solution. It focuses on troubleshooting the problems that are connected with finding the correct structural solution of bridges, the methods of their construction and the corresponding arrangement of prestressing steel.

With numerous examples of best practice, this heavily illustrated book covers

- function and analysis of prestressing
- influence of creep and shrinkage of concrete
- behaviour of structures in service and ultimate stage
- special problems of the structural analysis connected with different construction methods.

Designing and Constructing Prestressed Bridges is of interest to practicing engineers, junior engineers and students requiring a clear guide for troubleshooting this complex area of structural engineering.



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