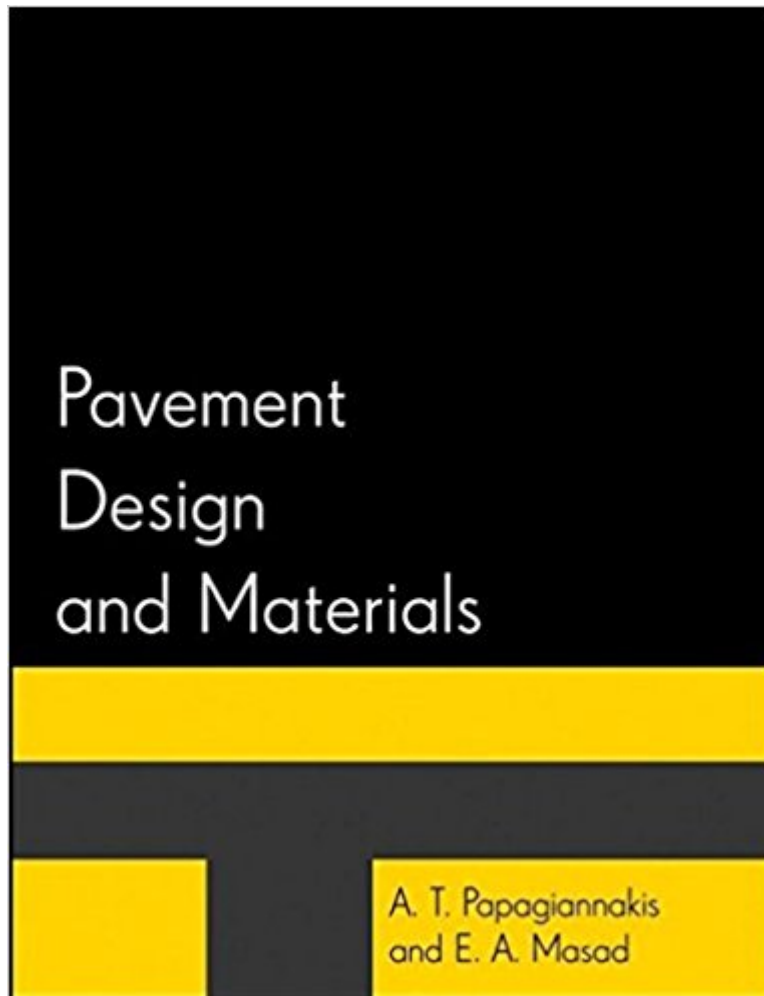




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# Pavement Design And Materials



## Synopsis

A comprehensive, state-of-the-art guide to pavement design and materials. With innovations ranging from the advent of Superpave™, the data generated by the Long Term Pavement Performance (LTPP) project, to the recent release of the Mechanistic-Empirical™ pavement design guide developed under NCHRP Study 1-37A, the field of pavement engineering is experiencing significant development. *Pavement Design and Materials* is a practical reference for both students and practicing engineers that explores all the aspects of pavement engineering, including materials, analysis, design, evaluation, and economic analysis. Historically, numerous techniques have been applied by a multitude of jurisdictions dealing with roadway pavements. This book focuses on the best-established, currently applicable techniques available. *Pavement Design and Materials* offers complete coverage of:

- The characterization of traffic input
- The characterization of pavement bases/subgrades and aggregates
- Asphalt binder and asphalt concrete characterization
- Portland cement and concrete characterization
- Analysis of flexible and rigid pavements
- Pavement evaluation
- Environmental effects on pavements
- The design of flexible and rigid pavements
- Pavement rehabilitation
- Economic analysis of alternative pavement designs

The coverage is accompanied by suggestions for software for implementing various analytical techniques described in these chapters. These tools are easily accessible through the book's companion Web site, which is constantly updated to ensure that the reader finds the most up-to-date software available.

## Book Information

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## Customer Reviews

"This is a practical reference for both students and practicing engineers that explores all the aspects of pavement engineering, including materials, analysis, design, evaluation and economic issues. This book focuses on only the best-established, currently applicable techniques." (Concrete International; November 2008)

A comprehensive, state-of-the-art resource on pavement design and materials With innovations ranging from the advent of Superpave, the data generated by the Long-Term Pavement Performance (LTPP) project, to the recent release of the Mechanistic-Empirical Pavement Design Guide developed under NCHRP Study 1-37A, the field of pavement engineering is experiencing significant development. Pavement Design and Materials is a practical reference for both students and practicing engineers that explores all the aspects of pavement engineering, including materials, analysis, design, evaluation, and economic analysis. Historically, numerous techniques have been applied by a multitude of jurisdictions dealing with roadway pavements. This book focuses on the best-established, currently applicable techniques available. Pavement Design and Materials offers complete coverage of: The characterization of traffic input The characterization of pavement bases/subgrades and aggregates Asphalt binder and asphalt concrete characterization Portland cement and concrete characterization Analysis of flexible and rigid pavements Pavement evaluation Environmental effects on pavements The design of flexible and rigid pavements Pavement rehabilitation Economic analysis of alternative pavement designs The coverage is accompanied by suggestions for software for implementing various analytical techniques described in these chapters. These tools are easily accessible through the book's companion Web site, which is constantly updated to ensure that the reader finds the most up-to-date software available.

Good book

I had this text book for a pavement design class. It is a pretty good book for pavement design. It was an elective for me so i dont really use it at work.

Very good

I believe this is one of the most up to date books in pavement. there is a good connection between this book and MEPDG. Also it is a good text book.

It took 10 days to get the book here in koreaBut I ordered another book before one month and still not getting that book

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