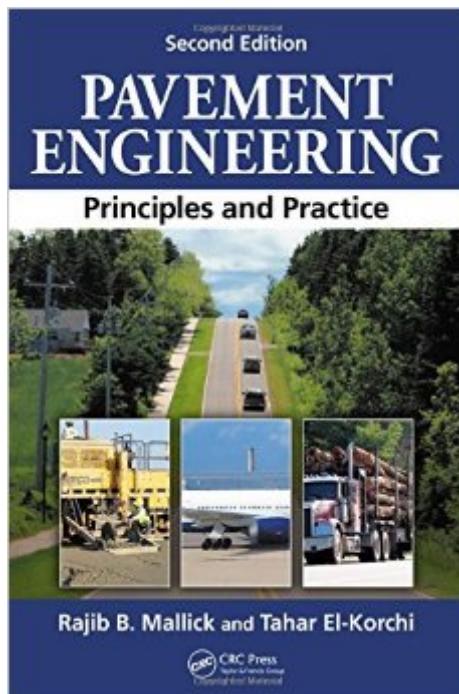


The book was found

Pavement Engineering: Principles And Practice, Second Edition



Synopsis

Pavements are engineered structures essential to transportation, commerce and trade, and everyday life. In order for them to perform as expected, they must be designed, constructed, maintained, and managed properly. Providing a comprehensive overview of the subject, *Pavement Engineering: Principles and Practice, Second Edition* covers a wide range of topics in asphalt and concrete pavements, from soil preparation to structural design and construction. This new edition includes updates in all chapters and two new chapters on emerging topics that are becoming universally important: engineering of sustainable pavements and environmental mitigation in transportation projects. It also contains new examples and new figures with more informative schematics as well as helpful photographs. The text describes the significance of standards and examines traffic, drainage, concrete mixes, asphalt binders, distress and performance in concrete and asphalt pavements, and pavement maintenance and rehabilitation. It also contains a chapter on airport pavements and discusses nondestructive tests for pavement engineering using nuclear, deflection-based, electromagnetic, and seismic equipment. The authors explore key concepts and techniques for economic analysis and computing life-cycle cost, instrumentation for acquiring test data, and specialty applications of asphalt and concrete. The Second Edition includes more relevant issues and recently developed techniques and guidelines for practical problems, such as selection of pavement type, effect of vehicle tires, and use of smart sensors in rollers and software for drainage analysis. This book presents in-depth, state-of-the-art knowledge in a range of relevant topics in pavement engineering, with numerous examples and figures and comprehensive references to online resources for literature and software. It provides a good understanding of construction practices essential for new engineers and materials processing and construction needed for solving numerous problems.

Book Information

Hardcover: 694 pages

Publisher: CRC Press; 2 edition (March 27, 2013)

Language: English

ISBN-10: 1439870357

ISBN-13: 978-1439870358

Product Dimensions: 1.5 x 7.2 x 10 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars [See all reviews](#) (5 customer reviews)

Best Sellers Rank: #692,034 in Books (See Top 100 in Books) #161 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Transportation #598 in Books > Textbooks > Engineering > Civil Engineering #166241 in Books > Reference

Customer Reviews

An excellent textbook for civil engineers. The text book covers the pavement design, construction, maintenance, engineering and economics, with a complete scope for undergraduate students,

lot of mistake in this book

Excelent

It is such an awesome thing.

Veru Comprehensive

[Download to continue reading...](#)

Pavement Engineering: Principles and Practice, Second Edition Principles of Pavement Engineering Pavement Survey, Maintenance and Repair (Engineering SoundBites) Pavement Analysis and Design (2nd Edition) Asphalt in Pavement Preservation and Maintenance Pavement Design and Materials The Book on Better Roads: How to Save Your Crumbling Roads With Practical Pavement Management Advancing Airfield Pavements: Proceedings of the 2001 Airfield Pavement Specialty Conference, August 5-8, 2001, Chicago, Illinois Chemical Engineering Design, Second Edition: Principles, Practice and Economics of Plant and Process Design Chestnut's Obstetric Anesthesia: Principles and Practice: Expert Consult - Online and Print, 5e (Chestnut, Chestnut's Obstetric Anesthesia: Principles and Practice) Colposcopy: Principles and Practice, Text with DVD, 2e (Apgar, Colposcopy: Principles and Practice) Cardiopulmonary Bypass: Principles and Practice (Gravlee, Cardiopulmonary Bypass: Principles and Practice) ASTNA Patient Transport: Principles and Practice (Air & Surface Patient Transport: Principles and Practice) Principles and Practice of Psychiatric Nursing, 10e (Principles and Practice of Psychiatric Nursing (Stuart)) The Complete Works of Herbert Spencer: The Principles of Psychology, The Principles of Philosophy, First Principles and More (6 Books With Active Table of Contents) Occupational Ergonomics: Engineering and Administrative Controls (Principles and Applications in Engineering) G.Dieter's Li.Schmidt's Engineering 4th (Fourth) edition(Engineering Design (Engineering Series)

[Hardcover])(2008) Tissue Engineering: Engineering Principles for the Design of Replacement Organs and Tissues Fundamentals of Earthquake Engineering (Civil engineering and engineering mechanics series) Earthquake Engineering: From Engineering Seismology to Performance-Based Engineering

[Dmca](#)