

Text Books

Reference Books

Highway Engineering Composite Material and Its Application

[Jialiang Yao](#), [Zhigang Zhou](#), [Hongzhuan Zhou](#) ([You?](#))

|Apr 4, 2019|

This textbook focuses on the performance and application of highway engineering composite material. It collects and compiles the data obtained by the authors in numerous recent practical and research projects in the field of technology and application of highway engineering composite materials in China. It provides valuable reference materials for students and engineering technicians taking courses on the selection, design and construction of composite materials for highway engineering.

It offers solutions to various practical engineering problems, and also includes in-depth theoretical analyses of related issues in simple language. Some of the concepts and applications, such as the highway pavement functional layer and the application of polymer composite material to protection of soft rocks, have not been previously covered in the literature before, and as such the book provides engineering and technical professionals with a new vision and new methods. Further, it not only explains the basic concepts, principles, and requirements of composite material for highway engineering, but also describes its application, including the related theoretical analyses, design and construction, making it ideal as a reference book for technical personnel, as well as a textbook for undergraduates and postgraduates majoring in highway engineering

Transportation Engineering

A Practical Approach to Highway Design, Traffic Analysis, and Systems Operation

[Beverly T. Kuhn](#) ([You?](#))

|Feb 21, 2019|

Traffic, highway, and transportation design principles and practical applications

This comprehensive textbook clearly explains the many aspects of transportation systems planning, design, operation, and maintenance. Transportation Engineering: A Practical Approach to Highway Design, Traffic Analysis, and Systems Operations explores key topics, including geometric design for roadway alignment; traffic demand, flow, and control; and highway and intersection capacity. Emerging issues such as livable streets, automated vehicles, and smart cities are also discussed.

You will get real-world case studies that highlight practical applications as well as valuable diagrams and tables that define transportation engineering terms and acronyms

Coverage includes:

- An introduction to transportation engineering
- Geometric design
- Traffic flow theory
- Traffic control

Traffic and Highway Engineering, Enhanced SI Edition

[Nicholas J. Garber](#), [Lester A. Hoel](#) (You?)

|Jan 1, 2019|

Gain unique insights into all facets of today's traffic and highway engineering with the enhanced edition of Garber and Hoel's best-selling TRAFFIC AND HIGHWAY ENGINEERING, SI Edition, 5th Edition. This edition initially highlights the pivotal role that transportation plays in today's society. You examine employment opportunities that transportation creates, study its historical impact and explore the influences of transportation on modern daily life. This comprehensive approach offers an accurate understanding of the field with emphasis on some of transportation's distinctive challenges.

Later chapters focus on specific issues facing transportation engineers to prepare you for common obstacles you may need to overcome in the field. Worked problems, diagrams and tables, reference materials and meaningful examples clearly demonstrate how to apply the transportation engineering principles you have learned.