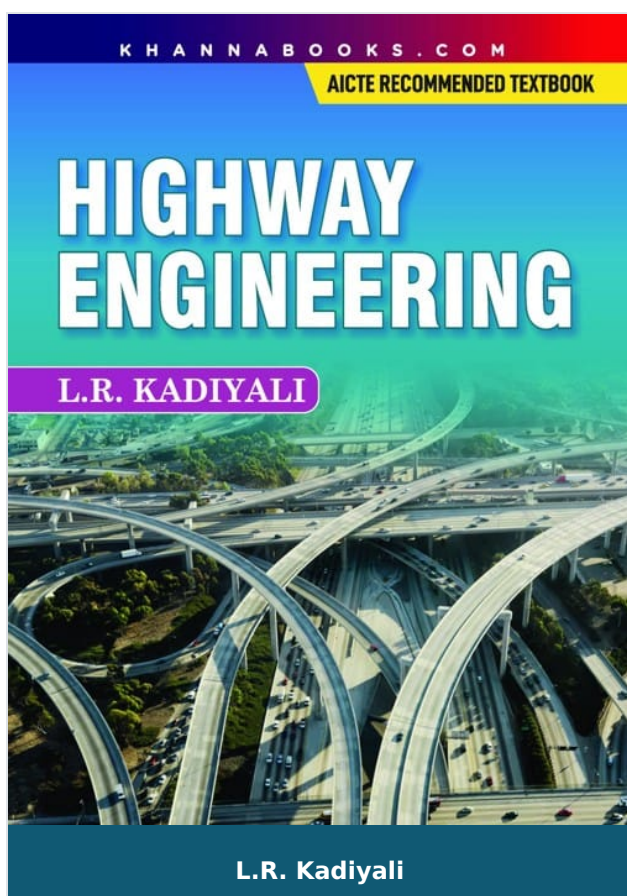




Highway Engineering

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Product Description

This book on Highway Engineering shall be useful for B.E./B. Tech & M.E/ M. Tech students of Civil Engineering. It shall also be useful for practicing Engineering and designers.

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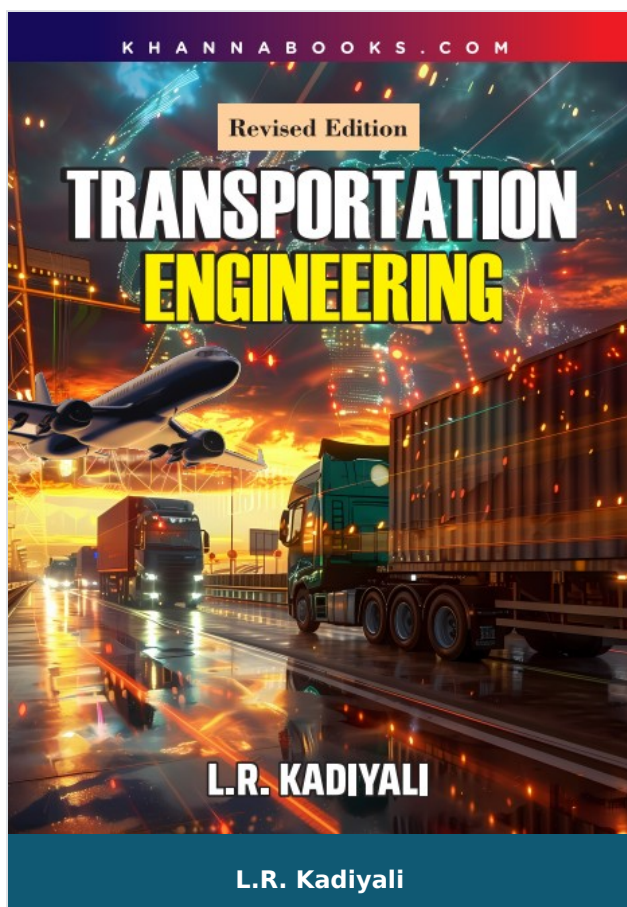
- Development of Highways
- Highway Administration and Finance
- Road User and the Vehicle
- Geometric Design
- Design Surveys, Soils and Aggregates, Investigations and Tests
- Design, Drawing, Estimates and Projects Report
- Economic Evaluation of Highway Projects
- Embankment Design and Construction
- Types of Pavements and Factors Governing Pavement Design
- Pavement Materials
- Design of Flexible Pavements
- Rigid Pavements
- Soil Stabilisation
- Granular Sub-Bases, Bases and Surface Courses
- Brick, Stone and Cement Concrete Block Pavements
- Hill Roads
- Rural Roads (Low Volume Roads)
- Urban Roads
- Expressways
- Toll Roads
- Desert Roads
- Roads in Swampy and Water-Logged Areas and in Black Cotton Soils
- Road Construction Machinery

- Road Construction Programming and Management
- Highway Drainage
- Cross-Drainage Structures
- Road Accident and Highway Design
- Road Signs
- Road Markings
- Traffic Signals
- Highway Safety Appurtenances
- Highway Maintenance
- Pavement Evaluation
- Overlay Design and construction
- Use of Geosynthetics
- Environmental, Landscaping and Arboriculture
- Airport Engineering

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Product Description

India's Transport System has several deficiencies such as inadequate capacity, poor safety record, emission of pollutants and outmoded technology. But as the economy is poised for a big growth in the coming years transportation engineers will have to come up with innovative ideas.

The book addresses these issues and it is hoped that the engineering students studying transportation engineering will have a clear idea of the problems involved and how they transportation engineering will have a clear idea of the problems involved and how they can be overcome in their professional career. This book has been designed keeping in mind the latest syllabi of all major Indian Universities.

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