

Highway Engineering

Author: L.R. Kadiyali

ISBN 13: 978-93-86173-13-3

ISBN 10: 93-86173-13-1

E-ISBN 13: 978-93-86173-13-3

Edition: First

Pages: 604

Type of

book : Paperback

Year: 2021

Language: English

Publisher: Khanna Publishing House

Regular

Price : Rs 449.00

Sale Price: Rs 359.20

All books, Civil Engineering, Civil

Categories: Engineering, New Arrivals, UNIVERSITY

RECOMMENDED

Condition

Type:

New

Country

Origin:

India

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.



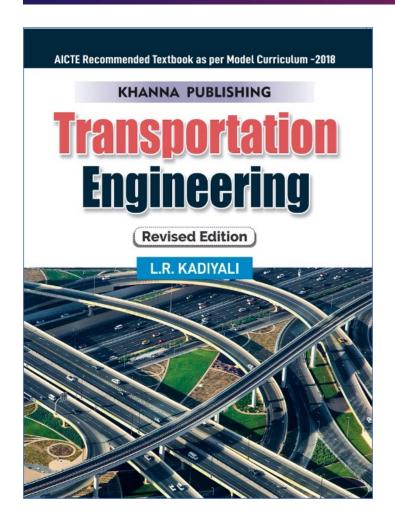
Table of Contents

1. Development of Highways 2. Highway Administration and Finance 3. Road User and the Vehicle 4. Geometric Design 5. Design Surveys, Soils and Aggregates, Investigations and Tests 6. Design, Drawing, Estimates and Projects Report 7. Economic Evaluation of Highway Projects 8. Embankment Design and Construction 9. Types of Pavements and Factors Governing Pavement Design 10. Pavement Materials 11. Design of Flexible Pavements 12. Rigid Pavements 13. Soil Stabilisation 14. Granular Sub-Bases, Bases and Surface Courses 15. Brick, Stone and Cement Concrete Block Pavements 16. Hill Roads 17. Rural Roads (Low Volume Roads) 18. Urban Roads 19. Expressways 20. Toll Roads 21. Desert Roads 22. Roads in Swampy and Water-Logged Areas and in Black Cotton Soils 23. Road Construction Machinery 24. Road Construction Programming and Management 25. Highway Drainage 26. Cross-Drainage Structures 27. Road Accident and Highway Design 28. Road Signs 29. Road Markings 30. Traffic Signals 31. Highway Safety Appurtenances 32. Highway Maintenance 33. Pavement Evaluation 34. Overlay Design and construction 35. Use of Geosynthetics 36. Environmental, Landscaping and Arboriculture 37. Airport Engineering

Author

L.R. Kadiyali Dr. L.R.Kadiyali is B.E.(Hons.), from Bombay and pursued Ph.D. from Kakatiya University.He has done P.G. diploma in Highway and Traffic Engineering from Newcastle-Upon-Tyne. He is Formerly Chief Engineer, (Roads Wig), Ministry of Road Transport & Highways, New Delhi and Study Director, Road User Coast Study, Central Road Research Institute New Delhi. </p





Transportation Engineering

Author: L.R. Kadiyali

ISBN 13: 978-93-82609-85-8

ISBN 10: 93-82609-85-7

E-ISBN 13: 978-93-82609-85-8

Edition: First

Pages: 408

Type of book Paperback

Weight (g): 590.00

2021 Year:

Language: **English**

Publisher: Khanna Publishing House

Regular

Price:

Rs 399.00

Sale Price: Rs 319.20

All books, Civil Engineering, Civil

Categories: Engineering, UNIVERSITY

RECOMMENDED

Condition

Type:

New

Country Origin:

India



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.



Table of Contents

SECTION-1: TRANSPORTATION SYSTEMS AND PLANNING

Chapter 1: Introduction

Chapter 2: Role of Transport in Society

Chapter 3: Modes of Transport and Criteria for Choice

Chapter 4: Transport Planning

SECTION-2: HIGHWAY ENGINEERING

Chapter 5: History of Growth of Highways

Chapter 6: Development of Roads in India After Independence

Chapter 7: Geometric Design

Chapter 8: Surveys, Investigations and Project Preparation

Chapter 9: Embankment Design and Construction

Chapter 10: Highway Drainage

Chapter 11: Cross Drainage Structures

Chapter 12: Types of Pavements and Factors Governing Pavement Design

Chapter 13: Design of Flexible Pavement

Chapter 14: Design of Rigid Pavements

Chapter 15: Pavement Materials

Chapter 16: Construction of Pavements

Chapter 17: Maintenance of Highways

Chapter 18: Use of Geosynthetics in Highway Engineering

Chapter 19: Urban Roads

Chapter 20: Hill Roads

Chapter 21: Road in Desert Areas

Chapter 22: Toll Roads

Chapter 23: Quality Assurance

Chapter 24: Highway Administration and Finance

Chapter 25: Traffic Engineering



K H A N N A B O O K S . C O M

Author

L.R. Kadiyali Dr. L.R.Kadiyali is B.E.(Hons.), from Bombay and pursued Ph.D. from Kakatiya University.He has done P.G. diploma in Highway and Traffic Engineering from Newcastle-Upon-Tyne. He is Formerly Chief Engineer, (Roads Wig), Ministry of Road Transport & Highways, New Delhi and Study Director, Road User Coast Study, Central Road Research Institute New Delhi. </p

