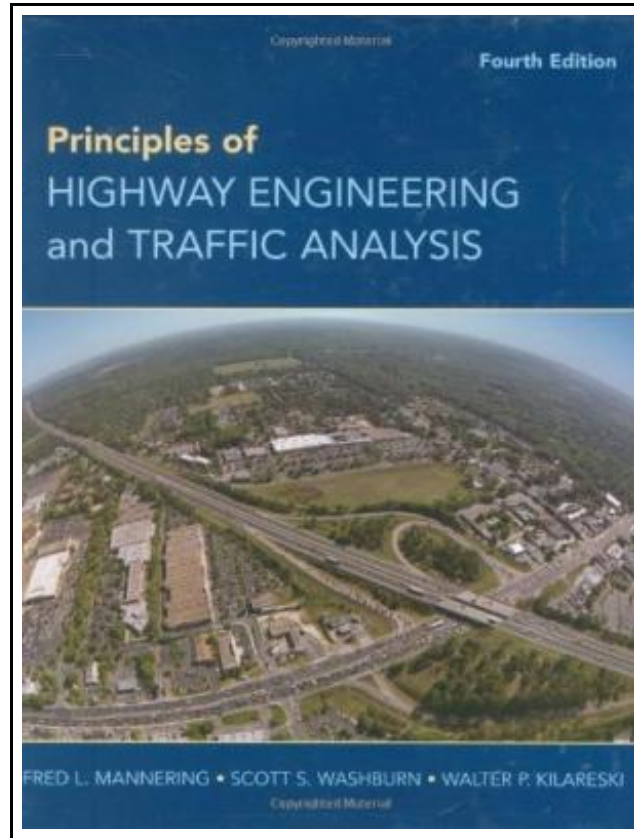


Principles of Highway Engineering and Traffic Analysis



Filesize: 9.45 MB

Reviews

It is simple in study safer to understand. It can be full of knowledge and wisdom Your way of life span is going to be enhance when you full looking at this book.

(Lavina Torp)

PRINCIPLES OF HIGHWAY ENGINEERING AND TRAFFIC ANALYSIS

DOWNLOAD



To download **Principles of Highway Engineering and Traffic Analysis** PDF, please access the hyperlink below and save the file or gain access to additional information which might be relevant to PRINCIPLES OF HIGHWAY ENGINEERING AND TRAFFIC ANALYSIS ebook.

Wiley, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!
 Summary: Chapter 1: Introduction to Highway Engineering and Traffic Analysis.1.1 Introduction.1.2 Highways and the Economy.1.2.1 The Highway Economy.1.2.2 Supply Chains.1.2.3 Economic Development.1.3 Highways, Energy and the Environment.1.4 Highways and the Transportation System.1.5 Highway Transportation and the Human Element.1.5.1 Passenger Transportation Modes and Traffic Congestion. 1.5.2 Highway Safety. 1.5.3 Demographic Trends. 1.6 Highways and Evolving Technologies. 1.6.1 Infrastructure Technologies. 1.6.2 Vehicle Technologies. 1.6.3 Traffic Control Technologies. 1.7 Scope of Study.Chapter 2: Road Vehicle Performance.2.1 Introduction.2.2 Tractive Effort and Resistance.2.3 Aerodynamic Resistance.2.4 Rolling Resistance.2.5 Grade Resistance.2.6 Available Tractive Effort.2.6.1 Maximum Tractive Effort.2.6.2 Engine-Generated Tractive Effort.2.7 Vehicle Acceleration.2.8 Fuel Efficiency.2.9 Principles of Braking.2.9.1 Braking Forces.2.9.2 Braking Force Ratio and Efficiency.2.9.3 Antilock Braking Systems.2.9.4 Theoretical Stopping Distance.2.9.5 Practical Stopping Distance.2.9.6 Distance Traveled During Driver Perception/Reaction.Chapter 3: Geometric Design of Highways.3.1 Introduction.3.2 Principles of Highway Alignment.3.3 Vertical Alignment.3.3.1 Vertical Curve Fundamentals.3.3.2 Stopping Sight Distance.3.3.3 Stopping Sight Distance and Crest Vertical Curve Design.3.3.4 Stopping Sight Distance and Sag Vertical Curve Design.3.3.5 Passing Sight Distance and Crest Vertical Curve Design.3.3.6 Underpass Sight Distance and Sag Vertical Curve Design.3.4 Horizontal Alignment.3.4.1 Vehicle Cornering.3.4.2 Horizontal Curve Fundamentals.3.4.3 Stopping Sight Distance and Horizontal Curve Design.3.5 Combined Vertical and Horizontal Alignment.Chapter 4: Pavement Design.4.1 Introduction.4.2 Pavement Types.4.2.1 Flexible Pavements.4.2.2 Rigid Pavements 95.4.3 Pavement System Design: Principles for Flexible Pavements.4.3.1 Calculation of Flexible Pavement Stresses and Deflections.4.4 The AASHTO Flexible-Pavement Design Procedure.4.4.1 Serviceability Concept.4.4.2 Flexible-Pavement Design Equation.4.4.3 Structural Number.4.5 Pavement System Design: Principles for Rigid Pavements.4.5.1 Calculation of Rigid-Pavement Stresses and Deflections.4.6 The AASHTO Rigid-Pavement Design Procedure.4.7 Measuring Pavement Quality and Performance.4.7.1 International Roughness Index.4.7.2 Friction Measurements.4.7.3 Rut Depth.Chapter 5: Fundamentals of Traffic Flow and Queuing Theory.5.1 Introduction.5.2 Traffic Stream Parameters.5.2.1 Traffic Flow, Speed, and Density.5.3 Basic Traffic Stream Models.5.3.1 Speed-Density Model.5.3.2 Flow-Density Model.5.3.3 Speed-Flow Model.5.4 Models...



Read Principles of Highway Engineering and Traffic Analysis Online
Download PDF Principles of Highway Engineering and Traffic Analysis

Other Kindle Books



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Follow the link under to read "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" PDF document.

[Save Document »](#)



[PDF] Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

Follow the link under to read "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" PDF document.

[Save Document »](#)



[PDF] The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Follow the link under to read "The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)" PDF document.

[Save Document »](#)



[PDF] Maisy's Christmas Tree

Follow the link under to read "Maisy's Christmas Tree" PDF document.

[Save Document »](#)



[PDF] The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3 (Paperback)

Follow the link under to read "The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3 (Paperback)" PDF document.

[Save Document »](#)



[PDF] Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)

Follow the link under to read "Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)" PDF document.

[Save Document »](#)