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Traffic Engineering (Fourth Edition)

By Elena S. Prassas, Roger P. Roess, William R. McShane

Pearson Education, 2013. Softcover. Condition: New. 4th edition. This unique text focuses on the key engineering skills required to practice traffic engineering in a modern setting. It includes material on the latest standards and criteria of the Manual on Uniform Traffic Control Devices (2003 Edition and forthcoming 2010 Edition), the Policy on Geometric Design of Highways and Streets (2004 Edition), the Highway Capacity Manual (2000 Edition and forthcoming 2010 Edition), and other critical references. It also presents both fundamental theory and a broad range of applications to modern problems. Contents Part 1 Traffic Components and Characteristics 1 Introduction to Traffic Engineering 2 Road User and Vehicle Characteristics 3 Roadways and Their Geometric Characteristics 4 Introduction to Traffic Control Devices 5 Traffic Stream Characteristics 6 Introduction to Traffic Flow Theory Part 2 Traffic Studies and Programs 7 Statistical Applications in Traffic Engineering 8 Traffic Data Collection and Reduction Methodologies 9 Volume Studies and Characteristics 10 Speed, Travel Time, and Delay Studies 11 Highway Traffic Safety: Studies, Statistics, and Programs 12 Parking Part 3 Freeways and Rural Highways 13 Fundamental Concepts for Uninterrupted Flow Facilities 14 Basic Freeway Segments and Multilane Highways 15 Weaving, Merging, and Diverging Movements on Freeways and Multilane...



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