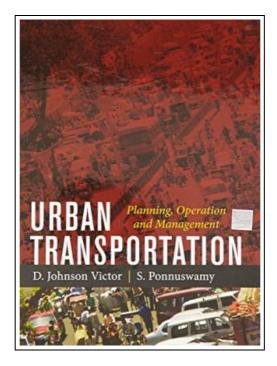
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URBAN TRANSPORTATION: PLANNING, OPERATION AND MANAGEMENT



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McGraw Hill Education, 2012. Softcover. Condition: New. First edition. This book has been authored by an academician with vast teaching, research & consultancy experience and co-authored by a field executive with experience on rail and road project planning and management as well as some teaching and consultancy experience. The book covers basics of Urban Transport planning including demand forecasting; planning and management aspects of urban public transport, (both road and rail-based) and public transport system design including route planning in detail. Contents: Table of Contents 1. Introduction 1.1 Importance of Transportation 1.2 Brief History of Transportation 1.3 Values, Goals and Objectives $1.4\ Classification\ of\ Transportation\ 2.1\ Urbanization\ 2.1\ Urbanization\ 2.2\ Importance\ of\ Urban\ Areas\ 2.3\ Structure$ of Urban Area 2.4 Urban Design 2.5 Transportation and Urban Forms 2.6 Use of Road Space 2.7 Functional Classification of Urban Roads 2.8 References 3. Urban Transportation Characteristics 3.1 Factors Influencing Transportation Needs 3.2 Transportation Demand 3.3 Types of Trips 3.4 Modes of Travel 3.5 Urban Transportation Scene in India 3.6 Growth of Urban Transport Demand 3.7 Road Congestion 3.8 Capacity, Space Utilization and Energy Consumption of Modes 3.9 Impact of Transport on Environment 3.10 Urban Transport Policy 3.11 Components of Urban Transportation System 3.12 References 4. Urban Transportation Planning Process 4.1 Urban Transportation Planning Objectives 4.2 Hierarchy of Urban Transportation Systems 4.3 Urban Transportation Planning Sequence 4.4 Data Collection 4.5 Transportation Network 4.6 Surveys for Data Collection 4.7 Environmental Impact Analysis 4.8 References 5. Travel Demand Forecasting 5.1 Travel Demand Forecasting Process 5.2 Trip Generation and Attraction Analysis 5.3 Trip Distribution Models 5.4 Modal Split Analysis 5.5 Route Assignment Analysis 5.6 Summary 5.7 References 6. Public Transportation Bus Transport 6.1 Bus Transport Characteristics 6.2 Types of Buses 6.3 Bus Stops 6.4 Bus Stop Shelters 6.5 Bus Transit Management 6.6...



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