

# Contents

<b>1</b>	<b>Introduction</b> .....	1
<b>2</b>	<b>Early Highway Planning</b> .....	7
	Federal Highway Act of 1921 .....	7
	Early Parkways .....	9
	Radburn, New Jersey .....	10
	Federal-Aid Highway Act of 1934.....	12
	Electric Railway Presidents’ Conference Committee .....	12
	Manual on Uniform Traffic Control Devices.....	13
	AASHO Policy on Geometric Design of Rural Highways.....	14
	Toll Road Study .....	15
	Highway Capacity Manual .....	15
	Interregional Highway Report .....	16
<b>3</b>	<b>Roots of Urban Transportation Planning</b> .....	19
	Federal-Aid Highway Act of 1944.....	19
	Manual of Procedures for Home Interview Traffic Studies .....	20
	Levittown, New York.....	22
	Early Transit Planning.....	24
	Dawn of Analytical Methods .....	25
	AASHO Manual on User Benefit Analysis.....	26
	Breakthroughs in Analytical Techniques .....	27
	National Committee on Urban Transportation.....	28
	Housing Act of 1954: “701” Comprehensive Planning Program .....	28
	Pioneering Urban Transportation Studies .....	29
<b>4</b>	<b>Launching the Interstate Highway Program</b> .....	31
	Federal-Aid Highway Act of 1956.....	32
	Sagamore Conference on Highways and Urban Development.....	34
	Housing Act of 1961 .....	35
	Future Highways and Urban Growth.....	35
	An Analysis of Urban Travel Demands .....	37

<b>5</b>	<b>Urban Transportation Planning Comes of Age</b> .....	39
	Joint Report on Urban Mass Transportation .....	39
	President Kennedy’s Transportation Message .....	40
	Federal-Aid Highway Act of 1962.....	40
	Hershey Conference on Urban Freeways .....	41
	Implementation of the 1962 Federal-Aid Highway Act .....	42
	Conventional Urban Travel Forecasting Process.....	44
	Southeastern Wisconsin Regional Planning Commission .....	45
	Highway Planning Program Manual.....	47
	Urban Mass Transportation Act of 1964.....	48
	Urban Development Simulation Models .....	48
	The Urban Transportation Problem .....	49
	Williamsburg Conference on Highways and Urban Development.....	50
	Residential Location and Urban Mobility.....	51
<b>6</b>	<b>Improving Intergovernmental Coordination</b> .....	53
	Housing and Urban Development Act of 1965.....	54
	1966 Amendments to the Urban Mass Transportation Act.....	54
	Highway and Motor Vehicle Safety Acts of 1966.....	54
	Department of Transportation Act of 1966 .....	56
	National Historic Preservation Act of 1966 .....	56
	Demonstration Cities and Metropolitan Development Act of 1966 .....	57
	Dartmouth Conference on Urban Development Models .....	57
	Freedom of Information Act of 1966 .....	58
	Reserved Bus Lanes.....	59
	Reverse Commuting Experiments .....	60
	National Highway Needs Studies .....	61
	Federal-Aid Highway Act of 1968.....	63
	“Continuing” Urban Transportation Planning .....	64
	Intergovernmental Cooperation Act of 1968 .....	66
	Bureau of the Budget’s Circular No. A-95.....	66
<b>7</b>	<b>Rising Concern for the Environment and Citizen Involvement</b> .....	69
	Citizen Participation and the Two-Hearing Process for Highways.....	69
	National Environmental Policy Act of 1969.....	70
	Environmental Quality Improvement Act of 1970 .....	70
	Nationwide Personal Transportation Study .....	71
	Clean Air Act Amendments of 1970 .....	73
	Boston Transportation Planning Review .....	74
	Urban Corridor Demonstration Program .....	75
	Census Journey-to-Work Surveys.....	75
	Case of Overton Park.....	77
<b>8</b>	<b>Beginnings of Multimodal Urban Transportation Planning</b> .....	79
	Urban Mass Transportation Assistance Act of 1970 .....	79
	Federal-Aid Highway Act of 1970.....	81

- Conference on Urban Commodity Flow ..... 81
- Discrete Choice Models ..... 82
- Mt. Pocono Conference on Urban Transportation Planning ..... 84
- DOT Initiatives Toward Planning Unification ..... 84
- Process Guidelines for Highway Projects ..... 85
- UMTA’s External Operating Manual ..... 86
- Williamsburg Conference on Urban Travel Forecasting ..... 87
- Federal-Aid Highway Act of 1973 ..... 88
- Endangered Species Act of 1973 ..... 89
- AASHTO Policy on Geometric Design of Urban Highways ..... 89
- 1972 and 1974 National Transportation Studies ..... 90
- National Mass Transportation Assistance Act of 1974 ..... 91
- PLANPAC and UTPS Batteries of Computer Programs ..... 92
- 9 Transition to Short-Term Planning ..... 95**
  - Emergency Energy Legislation ..... 95
  - Service and Methods Demonstration Program ..... 96
  - Taxicabs ..... 97
  - OTA’s Report on Automated Guideway Transit ..... 99
  - Model 13(c) Labor Protection Agreement for Operating Assistance..... 100
  - Joint Highway/Transit Planning Regulations ..... 101
  - Traffic Calming ..... 103
  - Policy on Major Urban Mass Transportation Investments ..... 104
  - Characteristics of Urban Transportation Systems..... 107
  - Light Rail Transit ..... 108
  - Federal-Aid Highway Act of 1976..... 110
  - ITE Trip Generation Report ..... 110
  - Urban System Study ..... 111
  - Road Pricing Demonstration Program ..... 112
  - National Transportation Trends and Choices ..... 112
  - Transit Uniform System of Accounts and Records..... 113
  - Clean Air Act Amendments of 1977 ..... 114
- 10 Emphasizing Urban Economic Revitalization..... 117**
  - 1978 National Urban Policy Report..... 117
  - Surface Transportation Assistance Act of 1978 ..... 119
  - Quick Response Urban Travel Forecasting Techniques ..... 120
  - National Energy Act of 1978 ..... 121
  - Council on Environmental Quality’s Regulations ..... 122
  - BART Impact Program ..... 123
  - International Conferences on Behavioral Travel Demand..... 126
  - National Ridesharing Demonstration Program..... 128
  - Urban Initiatives Program..... 128
  - Section 504 Regulations on Accessibility for the Handicapped ..... 129
  - National Transportation Policy Study Commission..... 130
  - Interstate Substitutions..... 131

Aspen Conference on Future Urban Transportation .....	132
Land Use Impacts of Beltways .....	133
Highway Performance Monitoring System .....	134
<b>11 Decentralization of Decision-Making .....</b>	<b>137</b>
President Reagan’s Memorandum on Regulations .....	137
Conferences on Goods Transportation in Urban Areas.....	138
Airlie House Conference on Urban Transportation Planning in the 1980s.....	139
Federal-Aid Highway Act of 1981.....	139
E.O. 12372, Intergovernmental Review of Federal Programs.....	140
Woods Hole Conference on Future Directions of Urban Public Transportation .....	141
Easton Conference on Travel Analysis Methods for the 1980s.....	142
Surface Transportation Assistance Act of 1982 .....	143
Advent of Microcomputers.....	145
New Urban Transportation Planning Regulations .....	146
<b>12 Promoting Private Sector Participation.....</b>	<b>149</b>
Paratransit Policy .....	149
Transportation Management Associations.....	150
Revised Major Transit Capital Investment Policy .....	151
Transportation Demand Management.....	153
Private Participation in the Transit Program.....	154
National Transit Performance Reports.....	155
Charter Bus Regulations .....	156
Surface Transportation and Uniform Relocation Assistance Act of 1987.....	157
National Conferences on Transportation Planning Applications .....	160
Smuggler’s Notch Conference on Highway Finance.....	161
Revised FHWA/UMTA Environmental Regulation.....	162
Los Angeles’ Regulation XV .....	163
<b>13 The Need for Strategic Planning.....</b>	<b>165</b>
National Council on Public Works Improvement .....	166
Transportation 2020 .....	166
Williamsburg Conference on Transportation and Economic Development .....	168
National Transportation Strategic Planning Study.....	169
Intelligent Vehicle Highway Systems .....	170
Lawsuit Against the Metropolitan Transportation Commission’s Travel Models .....	171
Geographic Information Systems .....	173
National Maglev Initiative .....	174
Clean Air Act Amendments of 1990 .....	176
Strategic Planning and Management .....	180
Americans with Disabilities Act of 1990.....	181

Intermodal Surface Transportation Efficiency Act of 1991 ..... 182

Manual of Regional Transportation Modeling Practice  
for Air Quality Analysis ..... 192

**14 The Growth of Sustainable Development ..... 195**

Charlotte Conference on Moving Urban America ..... 196

Travel Model Improvement Program ..... 196

Livable Communities Initiative ..... 197

Energy Policy Act of 1992 ..... 198

Transportation Implication of Telecommuting ..... 198

Metropolitan and Statewide Planning Regulations ..... 199

Transportation: Air Quality Conformity Regulations ..... 201

Making the Land Use, Transportation, Air Quality  
Connection (LUTRAQ) ..... 201

Transportation Management Systems ..... 203

E.O. 12893 Principles for Federal Infrastructure Investment ..... 204

E.O. 12898 on Environmental Justice ..... 205

National Bicycling and Walking Study ..... 206

Curbing Gridlock: Peak-Period Fees to Relieve Traffic Congestion ..... 208

Conference on Institutional Aspects of Metropolitan  
Transportation Planning ..... 210

Implications of Expanding Metropolitan Highway Capacity ..... 210

State Route 91 Express Lanes in Southern California ..... 211

National Highway System Designation Act of 1995 ..... 212

Major Investment Studies ..... 214

Travel Survey Manual ..... 215

**15 Expanding Participatory Democracy ..... 217**

Deployment of Intelligent Transportation Systems ..... 218

Activity-Based Travel Forecasting Conference ..... 219

Public Involvement ..... 221

National Transportation System ..... 222

State Infrastructure Banks ..... 223

Travel Model Validation Manual ..... 224

Envision Utah ..... 226

Context Sensitive Design ..... 228

Transportation Equity Act for the Twenty-First Century ..... 229

New Jersey’s Transit Village Initiative ..... 235

Welfare to Work: Job Access and Reverse Commute Program ..... 237

Georgia Regional Transportation Authority ..... 237

Congestion Management Systems ..... 239

Value Pricing Pilot Program ..... 240

Conferences on Refocusing Transportation Planning  
for the Twenty-First Century ..... 241

National Transportation Policy Architecture  
for the Twenty-First Century ..... 242

<b>16</b>	<b>Moving Towards Performance-Based Planning</b> .....	245
	Asset Management.....	246
	Conference on Performance Measures in Planning and Operations.....	247
	The Alameda Corridor .....	248
	Freight Analysis Framework.....	250
	Central Texas Regional Mobility Authority.....	251
	Bus Rapid Transit.....	252
	Transportation Security.....	254
	Transit Capacity and Quality of Service Manual.....	255
	Clean Air Rules of 2004.....	257
	Scenario Planning .....	258
	Public–Private Partnerships .....	259
	Norman Y. Mineta Research and Special Programs Improvement Act .....	261
	Transportation-Air Quality Conformity.....	262
	Energy Policy Act of 2005.....	263
	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users .....	264
	Forum on Road Pricing and Travel Demand Modeling.....	272
	Interstate 50.....	273
	Commuting in America III.....	275
	National Strategy to Reduce Congestion on America’s Transportation Network .....	277
<b>17</b>	<b>Concern for Climate Change</b> .....	279
	California’s Global Warming Solutions Act .....	279
	Metropolitan Travel Forecasting: Current Practice and Future Direction .....	281
	Conference on the Metropolitan Planning Organization, Present and Future.....	282
	Chicago Region Environmental and Transportation Program.....	284
	Car Sharing .....	288
	National Surface Transportation Policy and Revenue Study Commission .....	289
	California’s Sustainable Communities Planning Act.....	290
	Potential Impacts of Climate Change on US Transportation .....	292
	Rail Passenger Investment and Improvement Act of 2008.....	294
	American Recovery and Reinvestment Act of 2009.....	296
	Effects of Compact Development on Motorized Travel .....	297
	Partnership for Sustainable Communities.....	298
	Executive Order 13514 Federal Leadership in Environmental, Energy, and Economic Performance.....	299

**18 Era of Constrained Resources** ..... 301

- National Surface Transportation Infrastructure
- Financing Commission ..... 302
- Advanced Practices in Travel Forecasting ..... 303
- MOVES Motor Vehicle Emissions Model ..... 305
- TIGER Discretionary Grant Program ..... 306
- Military Base Traffic ..... 308
- Increased Corporate Average Fuel Economy Standards ..... 310
- Revised Federal Transit Administration New Starts Evaluation Process ..... 310
- Florida’s Transportation Planning Process ..... 312
- Super-Commuting in Mega Regions ..... 314
- Travel Demand Forecasting: Parameters and Techniques ..... 315
- Connected Vehicles ..... 316
- Moving Ahead for Progress in the 21st Century Act ..... 317

**19 Concluding Remarks** ..... 323

**References** ..... 329

**Index** ..... 353



<http://www.springer.com/978-1-4614-5406-9>

Urban Transportation Planning in the United States

History, Policy, and Practice

Weiner, E.

2013, XVIII, 370 p., Hardcover

ISBN: 978-1-4614-5406-9