STATEWIDE TRAVEL DEMAND FORECASTING
CONFERENCE PROCEEDINGS

Sponsored by Committee on Statewide Multimodal Transportation Planning

PLANNING COMMITTEE FOR THE
CONFERENCE ON STATEWIDE TRAVEL DEMAND FORECASTING

Neil J. Pedersen, Chair
Maryland State Highway Administration

James L. Covil
Wilbur Smith Associates

Susan P. Mortel
Michigan Department of Transportation

Robert A. Gorman
Federal Highway Administration

George E. Schoener
Federal Highway Administration

Alan J. Horowitz
University of Wisconsin, Milwaukee

Gordon A. Shunk
Texas Transportation Institute

Charles E. Howard, Jr.
Washington State Department of Transportation

William G. Stringfellow
TranSystems Corporation

Dan Ismart
Louis Berger & Associates

Mary Lynn Tischer
Arizona Department of Transportation

George T. Lathrop
Charlotte Department of Transportation

Ronald W. Tweedie
New York State Department of Transportation

James A. Scott, Senior Program Officer, Transportation Research Board

Subscriber category
1A planning and administration

Transportation Research Board
National Research Council
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

The Transportation Research Board is a unit of the National Research Council, a private, nonprofit institution that is the principal operating agency of the National Academy of Sciences and the National Academy of Engineering. Under a congressional charter granted to the National Academy of Sciences, the National Research Council provides scientific and technical advice to the government, the public, and the scientific and engineering communities.

This circular (TRB Circular E-C011) is posted by the Transportation Research Board as a service to the transportation community. The information in this Circular was taken directly from the submissions of the authors and the sponsoring committee; it has not been edited by the Transportation Research Board.
# TABLE OF CONTENTS

**Overview:**
*Neil J. Pedersen*, Chair, TRB Committee on Statewide Multimodal Planning ........................................ 1
*Maryland Department of Transportation*

**Questions and Issues for Discussion** ..................................................................................................... 5

**General Welcome:**
*Allan Hendrix*, California Department of Transportation................................................................. 11

**Introduction:**
*Neil J. Pedersen* .................................................................................................................................. 12

**Speeches:**
*Ken Leonard*, Wisconsin Department of Transportation ................................................................. 16
*Ysela Llort*, Florida Department of Transportation ........................................................................... 19
*Lou Lambert*, Michigan Department of Transportation ...................................................................... 22
*Charles Howard*, Washington State Department of Transportation .................................................. 25
*Allan Hendrix* ..................................................................................................................................... 28
*Bob Gorman*, Federal Highway Administration ................................................................................ 30

**PRESENTATIONS:**
*A Contrast of Statewide Models for Small, Medium, and Large States* ............................................. 32

*The Evolution of a Statewide Model for New Jersey* .......................................................................... 45
*Talvin E. Davis*, New Jersey Department of Transportation

*The Evolutionary Process of Statewide Travel Demand Forecasting* .................................................. 51
*Robert McCullough*, Florida Department of Transportation

*New Hampshire Statewide Travel Model System* ................................................................................. 55
*Subramanian Sharma* and *Robert Lyford*, New Hampshire Department of Transportation, and *Thomas Rossi*, Cambridge Systematics

*The California Statewide Travel Demand Forecasting Process* ......................................................... 76
*R. Leslie Jones*, California Department of Transportation

*The Rhode Island Statewide Travel Demand Forecasting Model* ...................................................... 83
*Sudhir Murthy* and *Rajesh Salem*, Louis Berger & Associates
Organizational and Institutional Issues in Statewide Forecasting ............................................................. 100
Richard Nellet, Garth Banninga, Cory Johnson, Lyle Witherspoon and
Lawrence Whiteside, Michigan Department of Transportation

The Washington State Travel Demand Forecasting Decision Process:
From Vision to Products ....................................................................................................................................... 116
Todd Carlson, Washington State Department of Transportation

The Kentucky Statewide Transportation Focusing Process ............................................................................... 125
Rob Bostrom, Kentucky Transportation Cabinet

Commodity Flow Modeling .............................................................................................................................. 136
William R. Black, Indiana University

The Oregon Statewide Travel Demand Forecasting Process ........................................................................... 155
Rick Donnelly and Pat Costinett, Parsons, Brinckerhoff, Quade & Douglas, Inc. and William J. Upton,
Oregon Department of Transportation

Statewide Passenger Travel Demand Forecasting (Wisconsin) ....................................................................... 166
Bruce Williams, KMPG

Research Recommendations: .......................................................................................................................... 170

DISCUSSION AND NOTES:
Group 1......................................................................................................................................................... 174
Group 2......................................................................................................................................................... 180
Group 3......................................................................................................................................................... 185
Group 4......................................................................................................................................................... 191

APPENDICES:
Statewide Model Conference Survey (condensed) .......................................................................................... 192
Summary of Question Topics .......................................................................................................................... 207
Agenda for Workshop ................................................................................................................................... 209
Participants ....................................................................................................................................................... 213