

FREIGHT DEMAND MODELING: TOOLS FOR PUBLIC-SECTOR DECISION MAKING

~ MONDAY, SEPTEMBER 25, 2006 ~

8:00AM ~ 9:45AM OPENING PLENARY SESSION

Objective: to provide the participants with an appreciation of the context of the importance of freight transportation and role of an analytical tool to describe and predict the impacts of modal trade patterns on the public and private transportation systems.

WELCOME

J. Susie Lahsene, Port of Portland, Chair

NATIONAL FREIGHT TRANSPORTATION POLICY DIRECTION
AND WHY FREIGHT DEMAND MODELING IS IMPORTANT

Tony Furst, Federal Highway Administration

FREIGHT TRANSPORTATION “MEGATRENDS”

Paul Bingham, Global Insight Inc.

WHAT MAKES A FREIGHT MODEL “GOOD”?

Mark A. Turnquist, Cornell University

10:00AM ~ 12:30PM FREIGHT MODELING: STATE OF THE
PRACTICE

Objective: Improved understanding of current modeling tools and methods used at various geographies in the public sector and potential uses/benefits of private carrier demand modeling.

Moderator

Keith Hofseth, U.S. Army Corps of Engineers

METROPOLITAN PLANNING ORGANIZATIONS

Bruce Spear, Federal Highway Administration

STATE DEPARTMENTS OF TRANSPORTATION

Greg Giaimo, Ohio Department of Transportation

FEDERAL AGENCIES

Randy Curlee, Oak Ridge National Laboratory

PRIVATE-SECTOR: LESSONS FOR THE PUBLIC SECTOR

Kevin Neels, The Brattle Group

2:15PM ~ 3:30PM PANEL DISCUSSION: EVALUATION OF PRACTICE
TODAY

Objective: Transition from descriptions of current practice to evaluation of “the state of the practice.” Assessment of methodologies and applications in practice today, referenced against the needs. Evaluation of what drives forecasts, sensitivity, trade-offs, data needs, economic forecasting components, and cost effectiveness.

Moderator: C. Michael Walton, University of Texas

Rick Donnelly, PB Consult, Inc.

Arnim H. Meyburg, Cornell University

Huiwei Shen, Florida Department of Transportation

Rob Leachman, University of California, Berkeley

3:45PM ~ 5:00PM TOWN HALL DISCUSSION

Moderator: C. Michael Walton, University of Texas, Austin

~ TUESDAY, SEPTEMBER 26, 2006 ~

8:00AM ~ 9:30AM RECAP OF TOWN HALL DISCUSSION: GAPS AND
SHORTCOMINGS IN CURRENT PRACTICE
John T. Gray, Union Pacific Railroad Company

PANEL DISCUSSION: DEFINING FUTURE NEEDS
Objective: Identification of current directions of freight modeling research, future demands on freight modeling, and available data sources.

Moderator: Bruce Lambert, U.S. Army Corps of Engineers

ONGOING RESEARCH

Frank Southworth, Oak Ridge National Laboratory

FUTURE MODELING NEEDS

Michael D. Meyer, Georgia Institute of Technology

NEW DATA SOURCES

Michael S. Bronzini, George Mason University

9:45AM ~ 11:15AM PANEL: EMERGING TECHNIQUES IN DEVELOPMENT
AND IN PRACTICE

Objective: Increased appreciation for new modeling approaches, applications, data needs, relevance to needs in U.S. public sector, and effectiveness.

Moderator: Susie Lahsene

INTERNATIONAL PRACTICES IN FREIGHT DEMAND MODELING

Lorant A. Tavasszy, TNO Inro, Netherlands

Discussant: Inge Vierth, Swedish Institute for Transport
and Communications Analysis

OREGON AND CALGARY CASE EXAMPLES

J. Douglas Hunt, University of Calgary

Discussant: Scott Drumm, Port of Portland

ONTARIO COMMERCIAL VEHICLE SURVEY: USE OF GIS FOR DATA
COLLECTION, PROCESSING, ANALYSIS, AND DISSEMINATION

Selva Sureshan, Ontario Ministry of Transportation

Discussant: Robert J. Tardif, Ontario Ministry of Transportation

11:15AM ~ 11:30AM THE IMPORTANCE OF UNDERSTANDING FREIGHT
J. Richard Capka, Federal Highway Administration

11:30AM ~ 11:45AM CHARGE TO BREAKOUT DISCUSSION GROUPS
Rolf Schmitt, Federal Highway Administration

2:00PM ~ 3:00PM SUMMARY REPORT FROM BREAKOUT GROUPS

ORGANIZED DISCUSSION: NEW DIRECTIONS IN
FREIGHT DEMAND MODELING: STATE OF THE ARTS

Objective: Presentation of an approach for transition from current efforts in freight modeling to tools and methods designed to provide improved representations of freight movements.

Moderator: J. Douglas Hunt

3:15PM ~ 5:00PM BREAKOUTS: STATE OF THE ART—WHAT'S NEEDED?

Objective: Identification of ideas for freight modeling that US DOT, researchers, and the vendor community can pursue that consider new approaches, applications, coordination, data, model standards, and framework.

~ WEDNESDAY, SEPTEMBER 27, 2006 ~

8:30AM ~ 9:00AM PLENARY: SUMMARY OF BREAKOUT DISCUSSIONS
Moderator: Michael D. Meyer

9:00AM ~ 11:30AM PLENARY: "WHERE ARE WE GOING?"
Objective: Industry perspectives on freight trends and system needs; public approaches to freight issues; and implications for freight modeling.

Moderator: J. Susie Lahsene

INDUSTRY PERSPECTIVES:

Jim McClellan, Woodside Consulting
Bob Costello, American Trucking Associations
Bob James, Port Authority of New York and New Jersey

NEXT STEPS IN THE PUBLIC-SECTOR

Rolf Schmitt, Federal Highway Administration
Jane Bachner, Federal Railroad Administration
Bruce Lambert, U.S. Army Corps of Engineers

11:30AM ~ 11:45AM WRAP UP
Michael D. Meyer

11:45AM CONFERENCE CONCLUDES