



Final Program for 2008 Tools of the Trade Conference

Note – a copy of this program will be provided in registration packet at the conference

Wednesday, September 17, 2008

9:00 – 12:00 Concurrent Workshops (Break included)

Workshop 1: FHWA Data Workshop – Elaine Murakami, FHWA

Performance measures are now a standard tool for policy analysis. Travel behavior data, especially at the small area level, is part of the mix because it reflects personal mobility, or lack thereof. Unfortunately, collecting local/regional data can be expensive, so using federally collected data is often the best and least expensive data source for small and medium-sized areas. This workshop will be centered upon the use in planning applications of Census Transportation Planning Products (CTPP), the National Household Travel Survey, and the American Community Survey (the replacement for the decennial census “long form”).

Speakers:

CTPP: Ed Christopher, Federal Highway Administration

NHTS: Nancy McGuckin, consultant

ACS: Melissa Chiu, U.S. Census Bureau

Workshop 2: FHWA Air Quality Workshop – Bob O’Loughlin, FHWA

This workshop will provide an overview of the conformity determination process for transportation planning with a specific focus on the needs of small metropolitan and non-metropolitan areas. This overview will include the discussion of air pollution sources and the connection between transportation and air quality as well as provide the attendees an understanding of the current regulations and guidance pertaining to that transportation/air quality connection and the roles of MPO, the State DOT, FHWA, and FTA, and other agencies in determining air quality conformity and the basic steps in mobile source emissions modeling. Also, information will be presented on federal funds available to implement methods for improving air quality and the typical issues confronting small and non-metropolitan areas in implementing air quality improvement programs.

Speakers:

Bob O’Loughlin, FHWA Resource Center Air Quality Technical Services Team

Michael Claggett, FHWA Resource Center Air Quality Technical Services Team

Workshop 3: FTA Transit Oriented Development (TOD) Workshop/ Tour – Effie

Stallsmith, FTA

Why are community assessments, context-sensitive solutions, visualization, and scenario planning important to integrating transportation and land use decision-making? Today as we plan for transit-oriented developments or transit-supportive land uses that impact land use, tools such as Community Assessments, Scenario Planning, Peer Exchanges, Visualization, and Context Sensitive Solutions are vital to the success and sustainability of the project (or local program). We encourage transportation planners to look at transportation and land use in a holistic manner – using all tools at their disposal. It is not that one is better than the other; it is that they complement each other. We also encourage using the concepts of complete streets and with transit, “thinking beyond the station”. Just as it is important to know the basics about TOD, it is important to consider how to use these tools within the public participation process to meet a community’s transportation and development needs, enhance their quality of life, and lead to a sustainable future.

Speakers:

Speaker/Moderator Effie Stallsmith – Tools for TOD

Portland Metro Christopher Yake – Basics of TOD Planning

Portland Tri-Rail (Invited) – Importance of TODs in Building a Livable Community
Tour of Streetcar TOD – City of Portland

12:00 – 1:00 LUNCH (on your own)

1:00 – 2:00 PLENARY SESSION – Welcome and Keynote Address

Libby Rushley, Chair, TRB Committee ADA30

Welcome – TBD, Oregon DOT

Keynote Speaker – Sharon Wood Wortman, Author of ‘*The Portland Bridge Book*’

2:00 – 2:15 BREAK

2:15 – 3:15 Concurrent Sessions

Session 1: Cost Effective Alternatives to Traditional Household Travel Surveys - Elaine Murakami, FHWA

Palo Alto Transportation Survey – Gary Geschwind, Consultant

Cold Calling - An Alternative Method for Conducting Household Travel Surveys – Jerry Everett, University of Tennessee-Knoxville

Household Travel Surveys: Who within the household do you survey and does it matter? – Stacey Bricka, PhD, NuStats

Session 2: Land-Use and Transportation Planning - Mohan Venigalla, PhD, George Mason University

Using Land Use Model Output as Input for a Travel Demand Model Data Set– Lance Estep, Kimley-Horn Associates

Model Development Code for Small and Medium-Sized Communities – Mary Dorman, AICP, Angelo Planning Group

Coordinating Transportation and Land Use– Christopher Bridges, Yavapai County Public Works Department

Session 3: SAFETEA-LU, the Catalyst of Innovative Planning Procedures and Processes - Andrew Canon, Hildago County MPO

Examining the Planning-Programming Linkage – Bob Stanley, Cambridge Systematics (retired)

KYTC and MPO Consolidated Planning Guidance – J.R. Ham, Kentucky Transportation Cabinet

Fiscal Constraint in RTPs – Suzette Mallette, North Front Range MPO

3:15 – 3:30 BREAK

3:30 – 4:30 Concurrent Sessions

Session 4: Freight– Arun Chatterjee, PhD, University of Tennessee - Knoxville

Freight Planning for Small and Medium Communities: Current State and Best Practices - Jessica Guo, PhD, University of Wisconsin-Madison

A Methodology to Use FAF2 Data to Forecast External-External Trips – Michael Anderson, PhD, PE, University of Alabama - Huntsville

Curbside Freight Delivery in Downtowns of Small and Medium-Sized Urban Areas – Amiy Varma, North Dakota State University

Session 5: Emerging Issues– Bob Czerniak, New Mexico State University

Retrospective Analysis of Population Projections – 25 Years Later – David Baltz, City of Salem

Practitioner Resources for Implementing Mobility Monitoring in Small to Medium-Sized Communities – Jason Crawford, PE, Texas Transportation Institute

Session 6: Financing Plans and Surveys with Limited Funding – Lynn Zanto, Montana DOT
Planning on a Shoestring - Creating a Multimodal Transportation Plan for Small and Medium Size Communities on a Small Size Budget – Chuck Green, Parsons Brinckerhoff
Regional Coordination in Travel Surveys – Becky Knudson, Oregon Dept of Transportation
Finding the Money: Methods for Financing Travel Surveys and Demand Models in Small & Medium Sized MPOs – Ed Hayes, EIT, PTP, PTV America

4:30 – 5:00 **BREAK**
5:00 – 6:30 **RECEPTION**
 Dinner on your own

Thursday, September 18, 2008

7:30 – 8:30 **Continental Breakfast**

8:30 – 10:00 **Concurrent Sessions**

Session 7: Making the Most out of Secondary Data Options – Jerry Everett, University of Tennessee – Knoxville
Travel Data Simulation Tool – Kouros Mohammadian, PhD, University of Illinois at Chicago
Using National Travel Survey Results for Small and Medium-Sized Communities: a Web-Based Tool – Pat Hu, Oak Ridge National Laboratory
Using Sensitivity Analysis to Guide Travel Data Collection in Small and Medium-Sized Communities – Kevin Ford, Purdue University (Student Paper)
Survey Data Consolidation to Support Travel Modeling for Small and Medium-Sized Communities – Michail Xyntarakis, Parsons Brinckerhoff

Session 8: Safety Tools You Can Use – Tim Chelius, South Jersey Transportation Planning Organization
Increasing Use of Pedestrian Flags through Social Marketing – David Godfrey, PE, City of Kirkland Public Works Department
A Quantitative Assessment Method for System Safety & Efficiency – Robert Herling, Duluth-Superior Metropolitan Interstate Council
Plan4Safety – New Jersey's Crash Analysis and Decision Support Tool – Sarah Weissman, Rutgers University.
Local and State Coordinated Detour Routing for Major Freeway Incidents – Jaily Brown, Thurston Regional Planning Council

Session 9: Financial Strategy Alternatives – Montie Wade, Texas Transportation Institute
Public-Public Partnerships: Cooperation between State and Local Governments – Teresa Gresham, PE, Kimley-Horn Associates
Factors in the Success or Failure of Countywide Local Transportation Sales Tax Measures in California – Christina Watson, Transportation Agency for Monterey County (Student Paper)
Street Utility Fees in Oregon: An Update – Carl D. Springer, PE, PTP, DKS Associates
Intersection Improvement List: A Funding Alternative with Positive Public Perception – Chris Clark, Waccamaw Regional Council of Governments

10:00 – 10:30 **BREAK**

10:30 – 12:00

Concurrent Sessions

Session 10: Modeling Innovations – Leta Huntsinger, Parsons Brinckerhoff

Strategies for Sub-Area Modeling using Regional Travel Demand Models – Craig Gresham, PE, AICP, Kimley-Horn Associates

The Effects of Small Traffic Analysis Zone Size on Trip Generation and Socio-Economic Forecasting in Small and Medium-Sized Cities – Nathaniel Grier, Martin/Alexiou/Bryson
Economy-Based External Trip Model for Small and Medium Urban Areas – Yang Han, PhD, HNTB Corporation

Enhancing Regional Travel Models' Response to Dynamic Traffic Conditions – Mohammad Naser, North Dakota State University (Student paper)

Session 11: Small Urban Systems – Partnerships and Tools – Marsha Fiol, Virginia

Department of Transportation

Arizona's Small Area Transportation Study Program: A Model of State-Local Partnership –

Dianne Kresich, Arizona Dept. of Transportation

What is in the Crystal Ball? Planning and Uncertainty, Art of the Long View, US 50

Communities, and a Corridor Plan – Perry Gross, PE, ACIP, PBS&J

Mobilizing Connectivity: Applying Connectivity Tools in the Arterial Planning Process – Brent Turley, PE, The Transpo Group

A Traffic Micro-Simulation Model with a Gateway System – Florence Ngai, Parsons Brinckerhoff

Session 12: Transit Service Planning and Operations – AT Stoddard, LSC Consulting

Transit at the Table II: A Guide to Metropolitan Decision-Making for Transit Agencies in Small and Medium-sized MPOs – Effie Stallsmith, FTA

Implementation of the Sussex County Delaware Coordinated Human Services Transportation Plan – Anna Lynn Smith, Parsons Brinckerhoff

No Lawnmowers on the Bus: Regulating Transit Passenger Behavior in Smaller and Medium Sized Communities – Victoria L. C. Bredt, Cornell University (Student Paper)

A Tool for Evaluating Demand Response Transit Accessibility – Jeffrey LaMondia, University of Texas-Austin (Student paper)

12:00 – 1:30

LUNCH – Announcement of Student Paper Competition Winner

1:30 – 3:00

Caucuses

Session 13: MPO Caucus – Rob Kennerson

Session 14: State DOT Caucus – Jeff Moore

Session 15: Transit Caucus – Mike Anderson

3:00 – 3:30

BREAK

3:30 – 5:00

Concurrent Sessions

Session 16: Data Collection Technology – JD Allen, Alliance Transportation Group

The Thurston County Bike Map: Development of Multi-Media Mapping Tools for Bicycle Travelers – Jeffery Holcomb, Thurston Regional Planning Council

Low-Cost Data Collection for Mobility Monitoring in Small to Medium-Sized Communities:

Travel Time Data Collection, Intersection Studies, and Traffic Counts – William Eisele, PhD, PE, Texas Transportation Institute

Random Selection of Traffic Count Locations and Development of Statistically Valid Median

Traffic Volume for Local Street VMT – William Frawley, AICP, Texas Transportation Institute

Web-based Transportation Data Management System – Ben Chen, PE, PTOE, MS2

Session 17: Livable Communities – Page Scott, Yakima Valley Council of Governments
Factors Influencing Neighborhood Commercial Use Locations – Phil Wheeler, AICP, Rochester
Olmsted Council of Governments
*Where to live and how to get to school: Connecting Residential Location Choice and School
Travel* – Yizhao Yang, University of Oregon
Online Tools for Mapping Safe Routes to Schools and Barrier Identification – Christopher J.
Seeger, ASLA, Iowa State University
Examining the disjuncture between local government and school facility planning in Texas –
Tracy E. McMillan, PPH Partners

Session 18: From Talk to Technology: Innovative Public Outreach that Works– Dianne
Kresich, Arizona Department of Transportation
Online Jams: A Tool for Public Engagement – Mia Zmud, NuStats
*Livable Communities, Public Involvement, & Participatory GIS: Computer Assessment Tools for
Local Area Analysis* – Marc Schlossberg, PhD, University of Oregon
Demystifying Visualization: How to Use Visualization in Your Community – Andrea Grygo
Diamond, Duluth-Superior Metropolitan Interstate Council
Breaking a 50 Year Impasse: The Cathedral Area Historic District Improvements – Robert
Shannon, Kadrmas, Lee & Jackson

5:00 – 9:00 **Pearl District Dine Around** (*Includes Tour of a selection of Pearl District Galleries with heavy
hors d'oeuvres provided by a sampling of Portland's finest Restaurants*)

Friday, September 19, 2008

7:30 – 8:30 **Continental Breakfast**

8:30 – 10:00 **Concurrent Sessions**

Session 19: Other Approaches and Some Guidance on Travel Estimation and Forecasting –
Jaydeep Chaudhari, Western Transportation Institute
You Can't Spell ModeLR without R: PlanneR either for that Matter – Alex Bettinardi, Oregon
Dept. of Transportation
Alternative Strategies for Developing Future Year Trip Tables for Travel Demand Modeling –
Jeremy Raw, Virginia Dept. of Transportation
*Travel Demand Forecasting in the Absence of a Detailed Model for Small and Medium Sized
Communities* – Rob Bostrom, PE, Wilbur Smith Associates
Modeling Guidelines and Procedures for Medium-Sized Urban Areas in North Carolina – Leta
Huntsinger, PE, Parsons Brinckerhoff

Session 20: Planning Transportation Options for Suburbia – Sue Kimbrough, US EPA
Fringe Density: Planning Tips for Overlooked Density in Suburbia – Nico Larco, AIA, University
of Oregon
Estimating Societal Benefits and Costs of Transportation Demand Management – Sisinnio
Concas, Center for Urban Transportation Research
Transportation Demand Management Strategies in Small and Medium-Sized Communities –
Jonathan Dong, Perteet
*The Thurston Regional Trails Plan: An Interdisciplinary and Coordinated Approach to Planning
Shared-Use Trails for Transportation and Recreation* – Paul Brewster, Thurston Regional
Planning Council

Session 21: Rural Transportation Planning: Planning for Rapid Growth and Effective Regional Efforts – Melissa Tooley, University Transportation Center for Mobility, Texas Transportation Institute

Impact Assessment and Outreach Techniques for the Town of Clayton Strategic Growth Plan – Lisa Crooks Murphy, AICP, Louis Berger Associates

Rural and Tribal Transportation Services - A Coordinated Approach to Meeting Mobility Needs – Karen Parkhurst, Thurston Regional Planning Council

Florida Heartland Rural Mobility Planning Effort – Jay Goodwill, Center for Urban Transportation Research

Visualizing the Long-Range Health of Rural Recreational and Agricultural Corridors – William Shaw, Idaho Transportation Department

10:00 – 10:30 BREAK

10:30 – 12:00 Concurrent Sessions

Session 22: Moving Them Around: Data, People, and Land Uses – Jon Fricker, Purdue University

Meso-Level Demographic Allocation Tool – Thomas Williams, AICP, PTP, AECOM

Using a Travel Cost Index Calculated from a Travel Demand Model to Measure Accessibility – Bud Reiff, Lane Council of Governments

Integrating a Stochastic Land Use Model and a Deterministic Travel Model to Support Strategic Land Use and Transportation Planning – Brian Gregor, Oregon Dept of Transportation

Modeling the Travel Impacts of Smart-Growth Strategies – William Loudon, DKS Associates

Session 23: National Parks and Gateway Communities: Transportation Partnership – George Fekaris, WFL

Transportation has always been an integral part of visits to many national parks. Hiking and biking trails, scenic roadways, and transit on land and water are key features of some parks. But transportation can also prove to be a challenge for the park experience with congested roads, overcrowded parking lots, exhaust fumes, and vehicles blocking scenic vistas. This session highlights examples of National Parks and gateway communities working together to meet those challenges as well as to enhance transportation within the parks and between the parks and gateway communities.

Roxanne Bash, WFL – Fish and Wildlife Community Partnerships

George Fekaris/Sonya Kazen, WFL – Mt. Hood Transportation Plan

George Fekaris, WFL – Forest Service Innovative Partnerships on Scenic Byways (and other programs)

Paper Presentation:

Gateway to Zion: NIMBY, and a National Park Community – Maria Vyas, AICP, Fehr & Peers

Session 24: How have SAFETEA-LU Regulations Affected Your Planning Process? With Success Stories – Peter Plumeau, Resource Systems Group

Matthew Stoll, Boise MPO

Wade Kline, Fargo COG

Libby Rushley, Ohio DOT

The session will include examples of how certain small and medium sized communities have dealt with the SAFETEA-LU Requirements and the February 2007 Planning regulations.

Representatives on this session panel will provide insight to how these regulations have been met by MPO's, rural transportation planning organizations, and state departments of transportation.