

## Highlights of the 2008 TRB Annual Meeting Information Exchange Webinar

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Hello from Baltimore, MD



Brian

## TOPICS

- Highlights of the Statewide Modeling Subcommittee
- Iowa Statewide Model Development
- Using the Model for Environmental Justice Analysis
- Upcoming Events
- Resource Center Training Opportunities

## Statewide Modeling Subcommittee

## NCHRP Update Activities

NCHRP Project 8-61 (Update of 365 report)  
Travel Demand Forecasting: Parameters and  
Techniques

- Currently in early stages
- Conducted literature and over 70 model reviews
- Develop transferable parameters, methods and guidebook
- Scheduled completion – late 2009
- Contact: Tom Rossi - Cambridge Systematics

## Other NCHRP Activities

NCHRP 8-36 Project, Task 70  
Scoping Study for Development of a National Travel  
Model

- Early stages of 1-year study
- Four main steps: 1) identify data sources and model components, 2) assess model characteristics, 3) address institutional issues, 4) prepare a national model scope
- Scheduled completion - late 2008

## Other NCHRP Activities

Potential NCHRP report (draft problem statement)

- Adding Non-Freight Commercial Vehicles to Statewide and Urban Models

Focus Areas for research topics

- Validation and Performance Guidelines (potential NCHRP)
- Rural Trip Making (NCHRP 365 Update)
- Long Distance Travel Data (NCHRP 365 Update)

## Statewide Modeling Subcommittee Contact:

Greg Giaimo  
Ohio DOT  
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## Iowa Statewide Model Development Update

### Phase 1 Work

#### Phase I

##### • Model Education

- Familiarize stakeholders about statewide models
- Input from stakeholders on needs

#### Phase 1

##### • Model Framework

- Passenger Car Model
- Truck Model
- Rail Freight Model
- Commodity Freight Flows

## Phase 2 Work

### Architecture

- Construction of Model
- Began October 2007
- Established technical steering committee ( DOT and MPO)
- Workshops for developing TAZ, network and centroid tasks

### Concept Level Decisions

- Three Step Model
- Trip generation – cross classified by HH size and income
- Trip distribution – gravity model
- Truck sub-model
- Interface with MPO models

## Other Characteristics

- Socioeconomic forecasts from REMI and Woods and Poole
- Network congruence with the Iowa Road database – GIMS (Geographic Information Management System)
- 2000+ TAZs
- Telescoping size buffer zone system

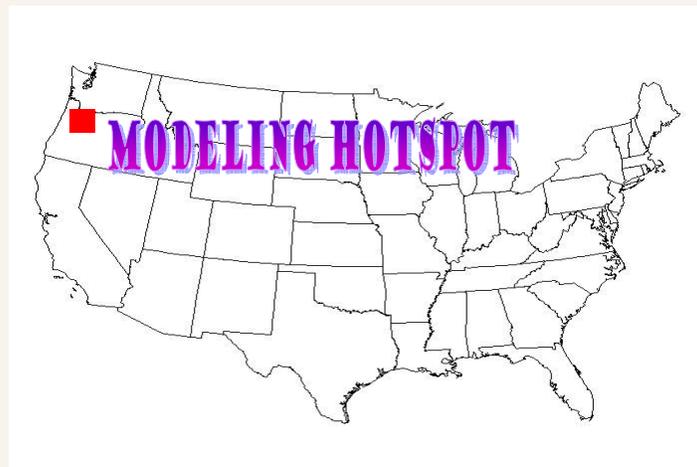
National----->Buffer Area----->MPO and Rural TAZs

Scheduled completion – late 2008

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## Upcoming Events

## JUNE 2008 CONFERENCES



## 5<sup>th</sup> Symposium on Integrated Land Use and Transport Models

June 19-20, 2008

Portland State University

Portland, OR

Theme: Success stories about land use-transport models being used in practice; learn more about regional economic models

Information: [www.tlumip.org](http://www.tlumip.org)

## Innovations in Transport Modeling

TRB Conference

June 22-24, 2008

Portland State University

Portland, OR

Themes: Activity-Based Models, Linking Demand and Dynamic network Models, Communicating Models, Pricing and Policy, Freight Modeling

Information: [www.trb-forecasting.org](http://www.trb-forecasting.org)

## **Best Practices in Statewide Transportation Planning Process**

TRB Conference

September 3-5, 2008

Atlanta, GA

(registration begins next month)

Themes: SAFETEA-LU issues, congestion, safety, fiscal issues, statewide models

Information: [kfisher@nas.edu](mailto:kfisher@nas.edu)

## **FHWA Resource Center Planning Team Modeling Training Opportunities**

## Overview to Travel Demand Forecasting

- One-day in-person session or condensed 2-hour webinar
- Introductory content; not hands-on with software
- Big picture focus
- Focus on traditional 4-step modeling process
- Input and Output Discussion
- Validation Checklist
- Resources

## Resource Center Modeling Assistance

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Thank you!

