Multimodal Transportation Requirements for Spatial Information Infrastructure

“Using Spatial Information Technologies to Improve Project Delivery”

May 2-3, 2002
Chicago, Illinois

Mission
The initiative seeks to identify common issues among transportation modes and recommend actions where joint development of data, tools and organizational capabilities could improve collective capabilities.

Objectives
- Characterize the current practice in spatial information technologies in transportation organizations and the benefits derived.
- Identify common data and system elements among the transportation modes
- Describe the necessary infrastructure of spatial data, technical tools and staffing needed to effectively utilize these technologies

Products
- Propose technical and organizational actions to improve the value of spatial information technologies in transportation organizations
- Recommend strategies for enhancing interoperability of spatial information among organizations, especially between federal, state and local governments
Dear Colleague:

Transportation organizations strive to provide a safe transportation systems that ensures the mobility of people and goods, while enhancing economic competitiveness and the quality of our environment and communities. Today that means managing an intermodal system that provides for smooth and efficient transfers for both passengers and freight between seaports, airports, railroads, highways and other elements. To accomplish this, we need to take advantage of emerging tools and technologies.

Spatial information technologies have changed dramatically in the last decade, with new mapping software, advances in global positioning satellites (GPS), location based Internet systems, and new sources of data, such as remote sensing and Intelligence Transportation Systems (ITS).

The Committee will host two workshops and a conference identifying key technology needs and strategies for multi-model organizations to better implement these technologies. I encourage all those who wish to contribute to the thinking on these strategic topics to join us.

Ysela Llort
Committee Chair
State Transportation Planner
Florida Department of Transportation

Who Should Attend

This will be a small, interactive workshop to examine improvements to the use of spatial information technologies in multimodal transportation organizations. Those interested in multimodal issues will gain insights into the state of the practice in transportation modes and can help form recommendations for improvements. The workshop will be especially useful for:

- Policy makers and analysts dealing with intermodal issues
- GIS professionals in transportation organizations dealing with interactions with other modes.
AGENDA
Thursday, May 2, 2002

8:30 AM to 10:00 AM
Opening Session

- Welcome & Overview
  Ysela Llort, State Transportation Planner, Florida Department of Transportation

- Federal Initiatives in Spatial Information Infrastructure
  Ashish Sen, Director, Bureau of Transportation Statistics

- New Developments in Geographic Information Science
  Harvey Miller, Professor, University of Utah

10:30 AM to 12:30 PM
Spatial Information Infrastructure in the Transportation Modes
Speakers will highlight current modal practice relative to critical agency issues, potential interaction with other modes, and issues critical to organizational support for spatial information infrastructure.

- Maritime. Roger Johnson, Acting Chief, Cartographic and Geospatial Technology Programs, National Oceans Service, NOAA
- Rail, Sharon Austin, Communications Director, Metra Railroad
- Air, Randy Murphy, Founder, Grafton Technologies and Kevin Carlson of ANSP, Inc.
- Transit, Michael Shiffer, Vice President, Planning & Development, Chicago Transit Authority
- Highway, Brian Logan, Cartography/GIS Manager, Kansas Dept. of Transportation

1:30 PM to 3:00 PM
Breakouts on Enhancing the Intermodal Use of Spatial Information
Participants will (1) summarize technical and organizational actions to improve the value of spatial information technologies in transportation organizations and (2) recommend strategies for enhancing interoperability of spatial information among organizations.

Breakout Group #1
  Facilitator. Xavier Lopez, Senior Product Manager, Oracle Corporation
  Recorder. Brian Logan, Cartography/GIS Manager, Kansas Dept. of Transportation

Breakout Group #2
  Facilitator. James Sims, Director of Information Systems, Southern California Associations for Gov’ts
  Recorder. Wayne Watanabe, Supervisor of Infrastructure & Integration, King County Metro Transit

Breakout Group #3
  Facilitator. Kathleen L. Hancock, Associate Professor, University of Massachusetts Amherst
  Recorder. Francis Winters, GIS Administrator, New York State Dept. of Transportation
3:30 PM to 5:00 PM

Report from the Panels on Intermodal Use of Spatial Information

Panels report findings on actions to improve the value of spatial information technologies and strategies to enhance interoperability.

Friday, May 3, 2002

8:30 AM to 10:00 AM

Critical Perspectives on Spatial Information Infrastructure to Support Multimodal Transportation Organizations

Experienced policy makers and program managers highlight potential benefits accruing from the availability of spatial information across modes and highlight potential obstacles.

Moderator: Michael J. Shiffer, Vice President, Planning & Development
Chicago Transit Authority

A State Department of Transportation Official Perspective, Brian Rowback, Director of DOT Region 5, New York State Department of Transportation

A Logistics Perspective, Bruce A. Ralston, Professor and Head, Department of Geography, University of Tennessee

A Local Perspective, Ron Thomas, Executive Director of the Northeastern Illinois Planning Commission

An Airport Perspective: O'Hare Airport, John Foggia, ANSP, Inc.

10:30 AM to 12:00 PM

General Session & Wrap Up

This session will begin with a summary of the ideas for enhancing the use of spatial information technologies in multimodal transportation organizations. Workshop participants will refine those proposals and prioritize relative to importance and ability to implement.

QUESTIONS?

Contact the Transportation Research Board
Tom Palmerlee, tpalmerl@nas.edu, 202-334-2907 or Rosa Allen, rallen@nas.edu, 202-334-2935
Future Activities

June 13-14, 2002

“Using Spatial Information Technologies to Improve Security, Safety and Mobility”

This workshop focuses on the role spatial information technologies can play in operations and security.

October 22-24, 2002

“Strategies for Improving Multimodal Transportation Planning and Operations with Spatial Information Technologies”

This event focuses on implementing strategies to improve the value of spatial information technologies to multimodal transportation organizations.

Committee Members

Ysela Llort, State Transportation Planner, Florida Dept. of Transportation
David S. Ekern, Assistant Commissioner, Minnesota Dept. of Transportation
Brian Logan, Cartography/GIS Manager, Kansas Dept. of Transportation
Frank Winters, GIS Administrator, New York Dept. of Transportation
Michael T. Shiffer, Vice President for Planning and Development, Chicago Transit Authority
James Sims, Director of Information Services, Southern California Assn. of Govts.
Wayne Watanabe, Supervisor Infrastructure and Integration, King County Metro Transit
Kathleen L. Hancock, Associate Professor, Univ. of Massachusetts, Amherst
Robert C. Johns, Director, Center for Transportation Studies, University of Minnesota
Harvey J. Miller, Professor, University of Utah
Xavier Lopez, Director of Location-Based Services, Oracle Corporation
Randy Murphy, Founder, Grafton Technologies
**Workshop Organizer**

Transportation Research Board (TRB)

The Transportation Research Board (TRB) 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. The Board’s mission is to promote innovation and progress in transportation by stimulating and conducting research, facilitating the dissemination of information, and encouraging the implementation of research results.

**Sponsor**

Bureau of Transportation Statistics (BTS)

The mission of Bureau of Transportation Statistics (BTS) is to lead in developing high quality transportation data and information and to advance their effective use in transportation decision-making. BTS supplements the data collection programs of other agencies and serves as the lead agency in developing and coordinating intermodal transportation statistics. BTS also is the lead agency for geographic information within the U.S. Department of Transportation.

**Co-Sponsor,**

American Association of State Highway and Transportation Officials (AASHTO)

AASHTO is a nonprofit, nonpartisan association representing highway and transportation departments in the 50 states, the District of Columbia and Puerto Rico. It is the only national public sector association that represents all five transportation modes: air, highways, public transportation, rail and water. Its primary goal is to foster the development, operation and maintenance of an integrated national transportation system.

**The Sutton Place Hotel – Chicago**

TRB has arranged for rooms at the government per diem rate.

21 East Bellevue Place  
Chicago, IL 60611  
312-266-2100

[www.suttonplace.com](http://www.suttonplace.com)
Hotel Reservation Form

DEADLINE: April 1, 2002
After this date rooms are subject to availability
and may be at a higher rate.

Mail or fax hotel confirmation to (please type or print):

Last Name ___________________________________________ First ___________________________________________

Organization __________________________________________________________________________________________________________

Address _______________________________________________________________________________________________________________

City ___________________________________________ State ___________ Zip/Postal Code ____________________________

Telephone (_____) ___________________________ Fax (_____) ___________________________ Country if International ___________________________

Email ___________________________________________________________ @ ___________________________________________

Arrival: Day ________________, April/May _____, 2002 _____ a.m. _____ p.m.

Departure: Day ________________, May _____, 2002 _____ a.m. _____ p.m.

Room Type: $155.00* Single/Double Occupancy (sharing with ____________________________________________

*plus occupancy tax (currently 14.9%)

Special Requests (bed size, no smoking, accessibility needs, etc): ________________________________________________________________

A first night deposit per room is required x number of rooms _____ = $ ___________ Enclosed First Night Deposit Payable by:

[ ] VISA [ ] MASTERCARD [ ] AMERICAN EXPRESS [ ] DINERS CLUB [ ] DISCOVER [ ] Check (payable to The Sutton Place Hotel)

Card # ___________________________ Expiration _____ / _____ Signature ___________________________

The workshop will be held at The Sutton Place Hotel, 21 East Bellevue Place, Chicago, IL 60611, 1-800-606-8188; (312) 266-2100; guest fax (312) 266-2103. Limited rooms are available on a first-come, first-served basis at the $155.00 single/double TRB rate until the block of rooms is reserved or April 1, 2002. Reservations will be accepted after April 1 based on availability. Reservations must be guaranteed for arrival with a first night deposit. Current tax is 14.9%. The group rate will be offered based upon availability for extended stays. Parking is available at the hotel for $32.00 each night. Check-in time is 3:00 p.m. and checkout is Noon.

Please don't be a “no-show”—if you cancel your plans to attend the workshop, remember to cancel your meeting registration and hotel reservation. Guaranteed reservations cancelled 24 hours prior to 4:00 PM the scheduled day of arrival are fully refundable. You will forfeit your deposit if cancellation notice is received later than 24 hours in advance. When canceling a reservation by telephone, record the date and time, cancellation number, and the name of the person accepting the cancellation. While TRB staff cannot make, change, or cancel reservations, we are available to assist if you have this information and experience difficulty receiving a refund following the workshop.

The Sutton Place Hotel is located one block from Lake Michigan in the heart of Chicago’s posh North Michigan Avenue neighborhood providing plenty of dining, shopping, and entertainment nearby. Each room has high speed Internet access computer ports, 2-line phones with voice mail, robe, hair dryer, and stereo with CDs.

Midway Airport (MDW) is located 12 miles and O’Hare (ORD) is approximately 17 miles from the hotel. Both airports are serviced by taxicabs (approximately $32.00 each way) and public transportation.

Please complete all information, keep a copy for your records, and send form with payment by April 1 to:

The Sutton Place Hotel, 21 East Bellevue Place, Chicago, Illinois 60611
1-800-606-8188, Reservation Fax (312) 266-2103
Registration Form
Return form to TRB by April 18, 2002.

Name: ________________________________________________________________

Nickname (for badge): ________________________________________________

Title: _______________________________________________________________

Affiliation: ____________________________________________________________

Address: ______________________________________________________________

City/State/Zip Code: ____________________________________________________

Country: ______________________________________________________________

Phone: ________________________________________________________________

Fax: _________________________________________________________________

Email: ________________________________________________________________

Special Needs (please explain): __________________________________________

Registration Fee = $45.00
Includes continental Breakfast and Thursday Lunch

☐ VISA  ☐ MASTERCARD  ☐ AMERICAN EXPRESS  ☐ Check (payable to TRB/Spatial Infrastructure)

Card # _____________________________  ☐ Purchase Order # _______________________

Expiration ____/____ Signature ________________________ (TRB/NAS Federal Identification: 53-0196932, government agencies and universities only)

Please register on-site after April 22. Cancellation received in writing by April 22 will be refunded in full.
No refunds will be issued after April 22.

QUESTIONS?
Contact the Transportation Research Board
Tom Palmerlee, tpalmerl@nas.edu, 202-334-2907
or Rosa Allen, rallen@nas.edu, 202-334-2935

Please complete all information, keep a copy for your records, and send form with payment by April 22 to:

TRB, Box 289, Washington, DC 20055 or
Fax (202) 334-2299 [Credit Card Payments Only].