1.3.0 Integrating Spatial and Business Data for Improved Decisions Peer Exchange

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Co-Presenter

Moderator: Frances Harrison, Spy Pond Partners
Colorado DOT Experience - Scott Richrath and William Johnson, Colorado DOT
Iowa DOT Experience – John Selmer and Eric Abrams, Iowa DOT
Maryland DOT Experience – Greg Slater and Erin Lesh, Maryland DOT
Virginia DOT Experience – Bryan Kelley, Virginia DOT

Organizations use business Intelligence (BI) tools to consolidate and present data from multiple systems for reporting, monitoring, and analysis. With the integration of spatial data layers (geographic information systems), BI value is magnified for location-based analysis and the creation of specialized maps.
This session will present the results of a recently completed Transportation Research Board peer exchange on "Integrating Spatial and Business Data for Improved Decisions." The peer exchange included representatives from seven state transportation agencies who shared their knowledge and experiences in this area.

The peer exchange focused on the following topics:

- Representative spatial business intelligence products for decision making
- High priority transportation business process areas
- Methods to integrate spatial and business process data
- Strategies for overcoming barriers to implementing solutions

Frances Harrison, who facilitated the peer exchange, will moderate the session and summarize the key findings. Representatives from Colorado, Iowa, Maryland and Virginia will also present the state of the practice in their agencies in developing spatially-enabled BI tools for management reporting.

Bio(s):
Frances Harrison is founding partner and Chief Technical Officer of Spy Pond Partners, LLC, a consulting firm specializing in data and performance management for transportation agencies. Ms. Harrison has over 30 years of experience in transportation consulting and directing assignments for state DOTs and other transportation organizations. Her career encompasses a wide breadth of topics, including asset management, transportation maintenance and operations, transportation decision support tools, transportation data integration, performance management, and project evaluation. Ms. Harrison is currently the co-Principal Investigator for NCHRP Project 8-87, "Successful Practices in GIS-Based Asset Management", and is assisting the Virginia Department of Transportation with several initiatives to improve roadway and asset information management.

Ms. Harrison is actively involved in the transportation research community. She chairs the TRB Information Systems and Technology Committee, and is a member of the TRB Special Task Force on Data for Decisions and Performance Measures, and the TRB Task Force on Knowledge Management. She is also a member of the Boston chapter of the Women's Transportation Seminar. She has a Bachelors degree in Civil Engineering from the Massachusetts Institute of Technology and a Masters degree in Civil Engineering-Transportation from the University of California, Berkeley.