

3.1.3 Improving National Transportation Geospatial Information

Presenter

Reginald R. Souleyrette
Iowa State University
reg@iastate.edu

Co-Presenter

On December 14, 2007, the Transportation Research Board Committee on Geographic Information Science and Applications organized a workshop called, "Improving National Transportation Geospatial Information." The workshop was supported by the Federal Highway Administration and co-sponsored by The National States Geographic Information Council, TRB Statewide Transportation Data and Information Systems Committee, TRB National Transportation Data Requirements and Programs Committee, and the TRB Critical Transportation Infrastructure Protection Committee.

This workshop examined the potential benefits and costs for the transportation community from improvements to the national geospatial information infrastructure for transportation. The information from the workshop should serve to inform both the transportation and mapping communities about potential strategies for transportation participation in national geospatial information. The specific workshop objectives were to

- o Investigate the likely applications, benefits and costs of an improve system for the transportation community;
- o Identify likely users, beneficiaries, and funding sources;
- o Discuss key data elements that could be included;
- o Suggest potential roles, mechanisms for sharing data, and approaches to integrate required data for multiple sources; and
- o Explore institutional arrangements that could facilitate such an initiative.

This presentation will summarize workshop outcomes and serve as a mechanism to obtain feedback on workshop topics from GIS-T delegates representing state departments of transportation, local governments, industry consultants and vendors. Topics will in include improving national geospatial data for:

- o Emergency Management and Security
- o Safety
- o Corridor Management and Congestion
- o Routing and Navigation
- o Environment and Planning