ABSTRACT
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Lessons Learned In North America About Collecting, Using and Delivering Freight System Performance Information in a Big Data World

Advances in technology allow the collection, manipulation, fusion, and delivery of unprecedented amounts of information. The question is now how do we take advantage of available and emerging technologies to improve freight movements, given limited budgets, privacy concerns, and issues of data ownership and use? Both the private sector (companies and individual vehicle operators) and public sector (the system owners and operators) are interested in delivering and using real-time information. Both are interested in summary historical information that can be used for investment and operations planning and decision making. Both the public can private sector benefit from working together. When done effectively, everyone gains better, more timely information at lower cost. So how do we make this happen?

This talk will describe the lessons learn in North America about the collection, fusion and delivery of freight system performance information. It will describe the roles of the public and private sectors in the collection of different types of performance information, the issues that are likely to occur as data are shared, the solutions that have been used to resolve those issues, and the business models that are being used to support successful information systems.