

6.2.3 Illinois Tollway LRS Implementation Strategy

Presenter

Brian Fee
Patrick Engineering, Inc.
BFee@patrickengineering.com

Co-Presenter

Scott Lueck
PB Americas

The Illinois Tollway is currently utilizing a base LRS to support operations but are starting to see signs that the current data model will not be sufficient to expand that support into key operational areas and provide a common spatial framework upon which to share information across all operating areas of the Tollway. To address this situation the Tollway in 2007 began the process to explore adoption of an advanced enterprise Linear Referencing System. As part of this investigation a number of items were taken into consideration. Develop a Business Case within the agency that provides a high ROI to justify the expenditures in development the system. What data model should the tollway use to meet all operational requirements? Is it possible to create a model that other DOT's within the State of Illinois can standardize upon to provide a platform for inter agency exchange of information? The project also explored existing opportunities to leverage existing technologies to reduce development costs?

We will discuss our approach to answering these questions and our findings o date, and outline the next steps in the process at the Illinois Tollway.