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The Path to Implementation: Field Data Collection with Tablets

Presenter

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Iowa DOT is finalizing research to streamline field inventory/inspection of culverts while maximizing the use of tablet technologies. This is phase II of research which began in 2011 to develop some new best practices for field staff to assist in the inventory, inspection and maintenance of assets along the roadway. We have spent the past year working through the trials and tribulations related to locating the most appropriate tablet hardware. We have also identified several other safety related assets (signs, guardrail, and incidents) to be collected using the tablet interface. Data can be collected in disconnected or connected modes and we have an associated desktop environment where data can be viewed and queried upon being synched. We have developed a deployment plan and workflow processes that will eventually make this part of our larger asset management system.

Bio(s):

Shawn Blaesing-Thompson is GIS Coordinator in the Office of Maintenance at Iowa DOT. She is responsible for project management, data development/maintenance, ArcGIS Server web applications & integration with enterprise business systems. Before that she worked as a DBA for the USDA-Agricultural Research Service. She also spent 6 years with WSDOT doing custom cartography, working as the GIS Training coordinator and doing GIS Project management. She holds a B.S. in Earth Science from Iowa State, a M.S. in Soil Science from Washington State, and IT Project Management Certificate from University of Washington. In her spare time she is a Girl Scout troop leader, triathlete and custom jewelry designer.

Bill Schuman is a Program Manager for Transcend Spatial Solutions. His responsibilities include business operations, project oversight, providing subject matter expertise for road inventory, asset management, linear referencing systems (LRS) and road data.