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Putting the LBRS and other GIS datasets to Work for Traffic Modeling Networks

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The availability of data from the state of Ohio's Location-Based Reference System (LBRS) program, in particular digital roadway centerline shape files and traffic controls (signals, stop and yield signs) in combination with the Ohio DOT's Roadway Inventory and other data from local, state and federal sources enables the development of routable networks for travel demand modeling that are much more accurate than traditionally used. This leads to both more improved traffic forecasts and improved presentation (or "visualization"), as they more accurately overlay other spatial datasets either for roadways, land use, or other land features.

This presentation will cover work both completed and in progress for such traffic model networks around the state of Ohio, with particular emphasis on the new metropolitan planning region (MPO) in Erie County.

Subject Areas: Transportation Planning/Modeling, Metropolitan Planning Organizations