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MLRS Development for Baton Rouge, Louisiana

Presenter

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The Baton Rouge Planning Commission is responsible for managing road network data for East Baton Rouge Parish. In 2011-12, the Department implemented a linear referencing system (LRS) to rationalize the storage and use of the road data. Building on this effort, the Planning Commission GIS Division embarked on a project in 2013 to develop a multi-level linear referencing system (MLRS). Using Intergraph® Corporation's GeoMedia® Transportation Manager software, the multi-level LRS addresses the need to support numerous geometric representations of a given road. This greatly assists an Analyst in the process of maintaining related datasets. The development of an MLRS serves to improve and change City-Parish business practices to increase efficiency, interdepartmental coordination, and overall technical capability. Originally, road data was only used for creating base maps, but now it can store and dynamically display a wealth of event related data. This presentation will cover the background, process, and development of the MLRS and its projected benefits for the City-Parish.