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Location Driven Business at Utah Department of Transportation

Presenter

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The UDOT maintenance division has developed a number of Oracle-based reporting and analysis tools to help supervisors assess, plan and schedule required maintenance on Utah's 5,900 miles of roads and 250,000+ transportation-related assets. However, these tools primarily produced tabular reports. Given the size of their road and asset network, UDOT wanted to spatially enable their Oracle infrastructure to provide a map interface to let maintenance crews and management more efficiently deploy and track limited resources, reduce costs and allow implementation of field verification methods, such as GPS.

UDOT worked with Farallon Geographics, Inc. to create an enterprise-wide spatial database building on their existing Oracle infrastructure. This allowed UDOT to pilot a spatially enabled asset management system focused on transportation maintenance and operations assets, without having to deploy a new or separate GIS. It also created a scalable foundation, which allows UDOT to build additional spatial applications using their internal staff capabilities. This presentation will focus on the business and technology drivers that UDOT employed to spatially-enable their transportation network and assets.