

6.2.1 Montana Department of Transportation (MDT) Location/Linear Referencing System (LLRS) Design Process

Presenter

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MDT completed their GIS Strategic Plan in late 2006 and started working on the first tasks identified in the plan in 2007. One of the first tasks involved the update of MDT's Transportation Information System (TIS). The TIS is a combined road inventory and linear referencing system that evolved over many years from a mainframe application to the Oracle system that is in use today. MDT desires to update this system using the newer spatial capabilities of the databases and GIS software on the market, with the primary goal of improving the use and integration of road inventory and incident data throughout MDT. The presentation will explain the design process, the logical design results, MDT's unique LRM needs, and the methods explored by MDT to physically implement the LLRS.