

4.1.3

Illinois Highway Information System 2010

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The objective of this project is to develop a version of a roadway inventory management system on a different platform that can provide an efficient means to store transportation-related data elements.

Currently, Illinois DOT's roadway inventory information is stored, updated and maintained in a mainframe environment. While the system has and continues to function, architecture constraints are limiting the ability to expand, adjust, and integrate with other enterprise solutions. In addition, technical and other resources familiar with this technology and system are becoming less available over time.

The new system consists of two major components: an ESRI ArcGIS desktop application for linear reference system editing and management and a Silverlight 3.0 web interface for roadway inventory editing and management. Both components share a common database. The Silverlight 3.0 interface integrates Microsoft's Bing Maps and ESRI's Silverlight API to build a line of business application. Microsoft SQL Server 2008 Reporting Services will be used for data inquiry and reporting.

Note: This project is in initial testing and is planned to be in production June 2010.