

3.2.3

Right-of-Way Information Management System

Presenter

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In June 2008 the Utah Department of Transportation selected HNTB Corporation as the program manager to provide engineering support for delivery of their \$6.3 billion, 43-mile design-build reconstruction of Interstate 15. Current state funding has been established to reconstruct the most congested 21 mile section, known as I-15 CORE. To assist in management of the overall program, the Right-of-way and Utility Information Management System (RUIMS) was developed. RUIMS is a secure web-based GIS application built using ESRI's ArcGIS Server technology for the tracking and reporting of the right-of-way acquisition and utility relocation process for the program. RUIMS has provided improved communications between stakeholders through increased access to utility and ROW information. By placing the information within a central relational database system, all stakeholders are provided with access to up-to-date ROW acquisition and utility relocation information during all phases of the project. ROW data is retrieved from existing program management and scheduling systems as Microsoft Excel spreadsheets or Access databases and directly loaded into the RUIMS relational database system. Utility data is processed from MicroStation design files and associated Microsoft Access attribute database and directly uploaded into RUIMS as GIS features and related attributes. Users are able to search by ROW ID, Taxkey Number, Property Owner, Address, Utility ID, City, Utility Owner, Utility Type and Utility Risk Assessment in addition to being able to graphically select parcels and utilities directly from the map. RUIMS has been in production and actively used within the project since January 2009.