

#### 4.4.1 Using Web-based GIS as a Collaboration Tool for Multidisciplinary Transportation Teams

**Presenter**

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HDR would like to present a case study in developing web technologies to facilitate teamwork and collaboration on transportation projects. Our technology team has designed a web-based project tracking system called iREALM (Interactive Reporting and Land Management) that HDR has been using to coordinate multidisciplinary teams on a variety of transportation projects nation-wide. We would like to discuss our approach, methodology, and lessons learned in this process and highlight some of the benefits our teams have received in adopting this technology.

By combining a web-based GIS mapping application with a dynamic data entry interface, teams update project information linked to the geographic layers and easily share information, documents, and workflows to facilitate informed decisions in the areas of analysis & assessment, design, right-of-way acquisition, permitting, public involvement, utility relocation, and the multitude of issues and processes required for the successful completion projects.

