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The Central Ohio LBRS Cooperative Maintenance Project: Integrating Disparate Users, Centerline Files, and Attribute Data for Regional Updates

Presenter

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Transcend Spatial Solutions partnered with Mid-Ohio Regional Planning Commission (MORPC) to develop a GIS-based Web map editing application. This is an extension of the existing system to provide regionally based, but locally edited mapping functionality to local communities who do not have extensive GIS capabilities. While the current system allowed "power user" communities to update and maintain address attributes through file replication, map layers are now combined into a regional base map so that users can directly access the files from the MORPC server, and perform attribute edits and generate reports.

This project involved collecting needs and requirements from a variety of users, design, development, and implementation of integrated components based upon a centrally accessible regional base map layer and database. The components include a data aggregation toolset, Web viewer, and Web editor. This project is a Phase 2 initiative of the original Ohio Location Based Response System (LBRS) project implemented throughout the state. Phase 1 resulted in the ability to share and coordinate highly precise road centerline layers and address attributes among counties and the Ohio Department of Transportation (ODOT). The Phase 2 project will be discussed especially with respect to how data sharing and coordination is being improved through the application, and present prospects for expansion of functionality on a statewide basis and with ODOT.