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Creating a Transportation Spatial Database with true interoperability between the ArcGIS and Microstation Environments.

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The purpose of the Transportation Spatial Database (TSD) project is to build a spatial repository for all of Maryland's State Highway Administration (MSHA) Cartographic and GIS data as well as an application that allow the development, maintenance, and management of this spatial data through both ArcGIS and Microstation. This abstract will address interoperability in sharing and storing feature classes, symbology, and annotation in a single repository as well as accessing the data through the most appropriate editing environment ("best tool for the job"), ArcGIS or Microstation. Areas covered will include: high level design, interoperability considerations and lessons learned a demonstration of the application including selection, editing, and maintenance of feature classes, and the publishing cartographic and GIS products from selected editing environment.