All Roads Do Not End at the State Line: Methodologies for Enabling Geodata Sharing Across Boundaries

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The I-95 Corridor Coalition is an alliance of Federal, State and local transportation agencies and related organizations from Maine to Florida that provides a forum for decision-makers to address transportation planning, management and operations issues and encourages multi-state cooperation to improve transportation system performance. The goals of the Coalition are to improve mobility for people and goods, enhance safety for all travelers, and improve the economic vitality of the region.

To help the Coalition achieve its goals, Cambridge Systematics is part of a team developing an Integrated Corridor Analysis Tool (ICAT) consisting of geo-spatial transportation networks for the 16-state Coalition region (plus Washington, DC) and linked databases of related information. State road network databases are being stitched-together into a contiguous, flowing network, and key state road inventory data are being translated into a common attribute table and augmented with attributes from the National Highway Planning Network, Highway Performance Monitoring System and Freight Analysis Framework. The methods used to standardize, conflate and connect data from various sources can be applied to many types of projects involving the development of a multi-state, national or even international network from disparate datasets.

This presentation will focus on tools being developed in ArcGIS to automate data processing, data standardization and conflation.