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Stepwise Integration of Alaska's Highway Analysis System with GIS

Presenter

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The Statewide Planning Division of the Alaska Department of Transportation and Public Facilities (ADOT&PF) has embarked on a project to interface GIS with the agency's legacy transportation database, the Highway Analysis System (HAS). The Department will use an incremental approach to integrating data and applications rather than replacing HAS with a new system in one single step. This stepwise approach preserves the legacy data and investments in HAS while at the same time providing the benefits that arise from deploying GIS to users. The presentation will describe the phased approach to the systems development, including the role of GIS and location referencing as cornerstones to the HAS-GIS integration. The presentation covers the enterprise systems architecture for the future HAS-GIS systems integration, improved methods of data collection and data maintenance, and a geospatial data warehouse development.