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Integrating spatial and aspatial data for asset management, analysis and reporting

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Oregon DOT maintains an integrated transportation information system that includes road geography, asset inventory and maintenance data. ODOT commissioned the system, called TransInfo, in 2009 to replace a difficult to maintain legacy system, integrate spatial and tabular data, support HPMS reporting, and provide a foundation for enterprise Transportation Asset Management. A linear referencing data model underpins the new system which has been in production for two years. In addition to meeting core requirements it is paying dividends in the form of spatial data layers that support a variety of GIS applications. This presentation describes some of the processes and benefits of integrating transportation information.