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Transportation Integrated Enterprise Solution

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The District Department of Transportation (DDOT) is a State level DOT with County and City responsibilities. This unique aggregation of responsibilities provides DDOT with opportunities to coordinate and facilitate many aspects of a cohesive sustainable transportation system, the assets in the Right of Way and the business processes to support them. It also presents many challenges. Each system developed by DDOT to manage assets, transit, and capital improvements has a function; however, they have not been integrated. TIES (Transportation Integrated Enterprise Solution) is a framework developed on the ArcGIS platform and integrated with ArcGIS Online as a geospatial framework to tie each disparate system together using location as the common denominator. The resulting Service Oriented Architecture (SOA) supports a user driven analytical dashboard providing managers and decision makers access to information resulting in increased knowledge across the enterprise; thus increasing services to constituents while reducing cost through coordination.