

Session 4.4.2 Factors Affecting the Quality and Accuracy of a Street Centerline Dataset, and the Impact on Public Works and ROW Operations in Metro Nashville – Davidson County

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The enterprise geodatabase in use within the Metropolitan Government of Nashville – Davidson County contains a street centerline feature class that manages information for more than 37,000 segments. In addition to roadway segments that are maintained by Metro Nashville, this dataset includes items for alleys and ramps, for some commercial and private driveways, and for some segments that are maintained by the State or other local governments. The centerline data is used by GIS users and GIS-centric systems for a variety of purposes across Metro Nashville, including transportation planning, emergency response, management of paved surfaced, and routing for trash and recycling pick-up. This presentation focuses on the lessons learned throughout the evolution of Metro Nashville’s centerline data as pertains specifically to the Public Works department. Our presenters will discuss factors that affect the quality and accuracy of street centerline data - from the initial planning of a data acquisition project to the maintenance of an existing enterprise centerline geodatabase, and the effects that data accuracy and maintenance efforts can have on downstream processes and business operations within the realm of Public Works and the management of assets within the right-of-way.