

# Abstract

## **GIS-Based Road Characteristics Analysis Tool**

**Track:** Transportation

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Wilbur Smith Associates has developed a GIS based analysis tool in ArcGIS that can provide easy user access to the Georgia Department of Transportation(GDOT) Road Characteristics and other related traffic information. The tool can query and visually display the information at a county wide or road/segment level. The tool also has the option to generate a geographic information system (GIS) based straight-line-diagram (SLD). The strength of the SLD is that it presents information in a 1-D format that is easy to understand as compared to 2-D and 3-D formats that can be difficult to understand. The information is critical for providing the foundation for making sound decisions and setting policy and important to evaluating the critical issues facing the State of Georgia.

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