

# Abstract

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### **Integrating ArcGIS Technology With Transportation Infrastructure Management Applications**

**Track:** Transportation

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The City of Calgary's ROADS business unit is responsible for managing the operation and maintenance of the entire transportation network infrastructure. As part of business processes, ROADS collects, maintains, and manages a great deal of information. The information covers many areas, such as data on various infrastructure facilities and location of different maintenance work performed. With the ever-growing use of GIS technology, ROADS has taken advantage of GIS as a more effective means for making better-informed planning decisions. This paper will discuss the implementation of ArcGIS technology to enhance existing spatial and attribute data maintenance, query, and display processes.

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