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**Abstract Title: The newly released TAC guidelines and SUE Mapping Investigation impact on trenchless**

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### **Abstract**

**Objective:** The Transportation Association of Canada's (TAC) Public Utilities Management Sub-committee has recently published a new document - Guideline for the Coordination of Utility Relocations. The purpose of the guideline is to assist various ROW owners and Utility agencies to develop or enhance their utility coordination processes. For Utilities with infrastructure in a variety of areas it gives them a consistent process they can follow when working with any ROW owner. For ROW owners it allows them to learn from the best practices and procedures of different parties and implement a process that will be readily accepted and adopted by utility agencies.

**Results:** This presentation will review the key aspects of the new Guideline, highlighting the Objectives, Intended Audiences and some of the new developments being made. Major themes contained in the guideline such as the use of Utility Coordinators, and SUE mapping as per ASCE 38-02 will be reviewed. The audience will have an opportunity to ask questions about the new guideline and determine how it can best be incorporated into their community or business.

**Conclusions:** Following the presentation participants will have a strong understanding of their options available for mapping of non-conductive utilities. They will understand the basics behind how to determine which options are the most effective and how to best spec these services in RFP documents and how the TAC guidelines will assist in procuring and planning for trenchless projects. They will also have an understanding of how the information can then be translated into a CAD drawing or GIS format using the CI/ASCE 38-02 and the CSA S250 standards.

**Implications:** The use of these techniques is widely important for a variety of asset management, capital works and trenchless projects. The cost benefits associated with utilizing these effective SUE mapping techniques has been shown by the University of Toronto Study to save approximately \$3.41 for every \$1 invested. There is a strong need for better more reliable mapping and an understanding of these techniques and technologies is extremely valuable.