Case Study Category: SUE

Case Study Title: Subsurface Utility Engineering for Dulles Metrorail Extension Project in the Tysons Corner area of Fairfax County, Virginia

Utility Name: Virginia Department of Transportation

Case Study Abstract: SUE is an engineering process used to identify and map underground utilities and structures as well as assign a quality level to data. There are different geophysical techniques available to acquire data regarding the two-dimensional location of underground utilities. It is important for designers or engineers to be familiar with various geophysical methods for successful designations of underground utilities. GPR and EM technologies are two predominant technologies that are used in designating and locating the underground utilities. This case study investigated the application Subsurface Utility engineering principles to determine the conflicts that may have caused by the buried utilities in the construction project of the Dulles Metrorail extension project in the Tysons Corner area of Fairfax County, Virginia.

Case Study Link: http://waterid.org/content/subsurface-utility-engineering-dulles-metrorail-extension-project-tysons-corner-area-fairfax