

Ottawa Light Rail Transit Albert Street and Slater Street - Bronson Avenue to Elgin Street



Utility Investigation along Albert Street and Slater Street

TSH/TBE completed a Subsurface Utility Engineering (SUE) investigation for Marshall Macklin Monaghan (MMM) / City of Ottawa on Albert Street and Slater Street from Bronson Avenue to Elgin Street in downtown Ottawa. The field investigation was completed over the period between April to December 2006. The purpose of the investigation was to identify the location of the existing underground utilities in order to facilitate the design of tracks for the new Light Rail Transit Project.

Electromagnetic cable locate equipment was used for the designating portion of the investigation. Ground Penetrating Radar (GPR) was also used to help define the location of a various utilities. A number of

potential conflicts were identified and a total of 153 test holes were installed to get the exact vertical depth and size of pipes and structures at critical points. TSH/TBE was also responsible for the detailed investigation of several utility chambers to determine the exact size, depth, and cables running into them.

The investigation was successful in confirming and further refining the location of the existing utilities, as well as identifying plant that was not shown on the existing record drawings. TSH/TBE identified several utilities that will be impacted by the track construction. The investigation focused on areas between the curbs under the proposed single track design.



Client: Marshall Macklin Monaghan (MMM)/City of Ottawa
Date: 2007
Location: Albert Street and Slater Street - Bronson Avenue to Elgin Street, Ottawa, Ontario

Project Value: \$280,000
Reference: Joe Sframeli, P.Eng. Manager - Municipal Engineering Infrastructure & Environment Group (MMM), 905-882-4211