



PROJECT DESCRIPTION

Work for this contract included the Civil/Electrical design and replacement of 2 complete circuits of high voltage cable (230 KV) in Toronto, at 2 separate locations. The first location is from Main Transformer Station to Lumsden Junction – a distance of 1.5Km. The second location is from Leaside Transformer Station to Todmorden Junction – a distance of 800m. Existing cables are contained in an oil filled pipeline. The new system consists of a concrete encased ductbank with solid copper core cables (XLPE).

Working under Black and McDonald, RB Somerville was responsible for the support required to directional drill through a wooded area which falls under Toronto Regional Conservation Authority jurisdiction (500m of HDPE), excavation to remove the existing hydro cables, re-excavate the trench, and install a concrete encased ductbank consisting of 6 x 200mm PVC conduits to carry the 230 KV cable, and 2 x 100mm conduit for the placement for fibre optic cables to operate a SCADA system. We were also responsible for excavation and shoring required for 2 cast-in-place splicing/jointing manholes. Excavation for the placement of direct buried cables was also completed inside the transformer stations

For over sixty years, we have leveraged innovation to connect communities. We remain committed to responsibly construct a clean, sustainable future. Somerville builds the infrastructure that makes energy reliably flow; from generation to generation.

Job Number: 17068

Role: Subcontractor and equity partner

Duration: March 19, 2018 to December 21, 2018

Value: \$ 18,000,000.00

Client: Black & McDonald

Client Contact: Joe Segna

Client Phone: 416-298-9977

Client Email: jsegna@blackandmcdonald

Owner: Hydro One Networks Inc.

Owner Contact: Joe Ly

Engineer: GHD Group

Engineer Contact: Nelson Wong

Primary Work Type: Utility

Other Work Type: