



# Twinning of the Etobicoke Creek Trunk Sanitary Sewer

**LOCATION:** Mississauga, Ontario, Canada

**OWNER:** Region of Peel

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## PROJECT PROFILE

In April 2015, CRS Tunnelling - Dibco Underground, JV was low bidder on the Twinning of the Etobicoke Creek Trunk Sanitary Sewer Project for the Region of Peel. The project involves the construction of approximately 612m of 1,800mm internal diameter trunk sanitary sewer underneath active operating surfaces at Lester B. Pearson International Airport (LBPIA). The proposed trunk sanitary sewer is being constructed primarily using Microtunnel Boring Machine (MTBM) tunnelling methods, with the inclusion of compressed air intervention and access from within the MTBM. Tunnelling activities will be staged from the Spring Creek Valley area east of Taxiway H, and the MTBM will pass underneath Taxiway H, Runway, 23, and Taxiway J. The project also includes the construction of four new maintenance holes and modifications to two existing maintenance holes, including all associated appurtenances and fittings, and temporary bypass pumping as necessary to complete the works.

Pearson Airport is the busiest airport in Canada, which posed ongoing challenges for this site, as the airport runs 24/7, 365 days per year. Work was planned around minimizing any type of runway or taxiway shutdown to support either underground works, monitoring on taxiways and runways, or heavy crane lifts.

**TOTAL VALUE OF CONTRACT:**  
\$ 16,694,981

**COMPLETION TIMELINE:**  
JULY 2015 - MAY 31, 2016

**COMPLETED AS:**  
DIBCO-CRS, A JOINT VENTURE

