

TYSSE Spadina South Tunnels



Toronto, ON

TTC York Spadina Subway Extension South Tunnels

COMPLETION DATE

September 2013

VALUE OF CONTRACT

\$90,000,000

OWNER

Toronto Transit Commission
John Brown
416-393-4636

CONSULTANT

Hatch Mott Macdonald
Tomas Gregor
905-403-3802



Project Description

TUNNEL MINING DIMENSIONS

North Drive 1550m x 5.4m I.D.

South Drive 1185m x 5.4m I.D.

EXCAVATION METHOD

Two 6.13m Lovat EPB TBMs

GEOLOGY

Expected soil conditions range from Silts and Sands to firm water bearing tills. The Northern drives consist of primarily upper and lower till deposits with interstadial granular layers. The Southern drives are predominantly silts and sands and extensive mixed faced conditions.

TUNNEL FINAL LINING

Precast Concrete Segments – 1.5m long, 235mm thick.

ROLE

Sub-Contractor to Aecon Buildings and Primary sponsor of the JV of McNally/ Kiewit/ Aecon

