



Supply of Four NEW EPB TBMs for The Regional Municipality of York - Southeast Collector Trunk Sewer Project

LOVAT, Inc. is pleased to announce the recent sale of four LOVAT™ RME142SE Earth Pressure Balance Mixed Face, TBMs to The Regional Municipality of York, Ontario, Canada. The four machines will be utilized in the construction of the Southeast Collector Trunk Sewer (SeC).

The new SeC trunk sewer pipe will carry untreated sewage from York Region to a treatment plant in Durham Region in the southern part of the City of Pickering. As the capacity of this system is reaching its limits, expanding and building a new sewer collector is necessary to service planned and approved growth for both regions.

To expedite the excavation of the 14,935 metre long tunnel, four LOVAT 3.6 metre (11.8 ft.) diameter mixed face TBMs will be strategically placed along the tunnel alignment. The tunnel alignment begins east along 14th Avenue to 9th Line continuing east to Townline Rd. South on Townline Rd. to Hydro corridor. East on Hydro corridor to Liverpool Rd. South on Liverpool Rd. to Finch Avenue. East on Finch Avenue to Valley Farm Rd.

Ground conditions anticipated along the tunnel alignments consist of glacial tills both, plastic and non plastic, sands, silt, gravel and clays. Cobbles and boulders of various sizes are also expected to be encountered while tunnelling.

Each TBM will be equipped with LOVAT Chromium Carbide Plated Ripper Teeth manufactured with high tensile steel, interchangeable with 305 mm (12 in.) Disc Cutters. The main drive consists of VFD electric water-cooled motors providing a total of 448 kW (600 HP) available power to the cuttinghead.

The TBMs are currently being manufactured at LOVAT's facility located in Toronto, Ontario. Excavation is anticipated to begin in summer of 2010.