



Sandalwood Transit Facility Expansion Brampton, Ontario

Sandalwood Bus Facility in Brampton

Project Team

General Contractor
Percon Construction

Structural Engineer
Read Jones Christoffersen

Geotechnical Engineer
WSP Canada

Architect
Moffat & Duncan

Architect
Moffat & Duncan

The Ground Improvement People™

Challenge

This project consisted of a new maintenance facility to be built adjacent to an existing transit storage facility and parking lot. Poor soil conditions beneath the proposed maintenance facility's footprint mainly consisted of a thin layer of topsoil or asphalt, a granular base and granular subbase. This was underlain by a soft to very stiff silty clay to clayey silt fill layer.

Solution

The Geopier GP3® system was ultimately selected for its rapid installation, cost-effectiveness and flexibility in allowing for the opportunity to address changing ground conditions as they happen. Furthermore, it was chosen as an alternative to massive over-excavation and replacement or deep foundations, including driven piles, drilled shafts or auger cast-in-place piles.

Outcome

The Geopier GP3® method effectively supported the floor slab of the bus maintenance facility for positive settlement control. Utilizing the GP3 method proved to be advantageous for both the project budget and schedule.

Contact The Ground Improvement People®
(905) 266-2599 or
Email us at solutions@geosolv.ca

Delivering Geopier Solutions

GEOPIER®