

# OUR PROJECTS



## SECTOR: TRANSPORTATION

### GO SQUARE ONE PARK & RIDE

100 City Centre Drive, Mississauga, Ontario

#### DESCRIPTION:

The existing 2,500 square foot GO Square One Agency building was demolished and upgraded to a full Bus Terminal Station, to help alleviate long line ups for ticket purchasers and to provide an exceptional level of customer service at this facility.

#### CONSULTING SERVICES:

Callidus Engineering provided the electrical, plumbing and mechanical designs for the station conversion. The electrical design included a new electrical service, including UPS back-up, lighting including a prominent exterior LED colour "feature wall" and recessed LED lighting throughout. Extreme detail was required due to client standards which included power, data, CCTV, A/V, payment systems with dimensioned communications and electrical room elevations and complete riser diagrams for each system. Coordination was required with client to provide services from our building to bus platforms and shelters. The mechanical and plumbing design included infloor heating, air to air heat pumps, and heat recovery. The design also required a redesign of the ticket booth area to meet the newly developed design requirements and GO branding. The redesign included creation of a new design standard for use throughout GO ticket booths with special features such as lighting output colour temperature change to optimize staff productivity, wire management systems for custom millwork and custom lighting fixtures to suit new GO branding and directed forced air nozzles at desk level to maximize ticket booth operator comfort.

#### STATUS:

In Construction

#### DESIGN TEAM:

Project Manager &  
Principal in Charge – S.  
Grant Hall, P. Eng.  
Electrical Engineers – S.  
Grant Hall, P. Eng. &  
Andrew Hall, P. Eng.,  
Mechanical Engineer – S.  
Grant Hall, P. Eng.