

GREATER TORONTO AIRPORTS AUTHORITY PAVEMENT/BRIDGE MANAGEMENT SYSTEM TORONTO PEARSON INTERNATIONAL AIRPORT



LOCATION

Toronto, Ontario, Canada

CLIENT

Greater Toronto Airports Authority (GTAA)

MANDATE PERIOD

January 2006 – March 2009

VALUE OF SERVICES PROVIDED (CAD)

\$ 185,000

SERVICES PROVIDED

- ▶ Pavement/Bridge Condition Surveys
- ▶ Model Pavement Prediction (Deterioration Curves)
- ▶ Bridge Maintenance Needs
- ▶ Budget Forecasts

NUMBER OF PARTICIPANTS – PERSON-MONTHS

20 person-months

KEY PERSONNEL

Project Manager

Keith Foster, P.Eng.

Michael MacKay, M.Eng., P.Eng.

Senior Project Engineer

Jessica A. Hernandez, M.Sc., P.Eng.

Peter Lester, P.Eng., Retained Consultant

Engineering Assistants

Ana Maria Gutierrez, E.I.T.

Seth Zhang, E.I.T.

Project Description

LVM-JEGEL, was retained by the Greater Toronto Airports Authority (GTAA) to conduct visual condition surveys of all airside and groundside pavements (runways, taxiways, aprons and airside/groundside roads), and groundside bridges and update the Micro PAVER pavement management system and Bridge Management System at Toronto Pearson International Airport.

The purpose of these surveys was to document the type, extent and severity of the distresses observed and determine pavement/bridge maintenance needs and budget/expenditures for the airside/groundside pavements and bridges.