

ONTARIO TRANSPORTATION CAPITAL CORPORATION: STRATEGIC TRANSPORTATION PLANNING MODEL FOR HIGHWAY 407 TOLL PROJECT

Services Provided: Served as lead demand forecasting consultant to perform forecasting services.



Description of Project: TEMS developed, calibrated, and customized a PC-based forecasting model, based on its *COMPASS*[®] Strategic Transportation Planning Model, to analyze the potential for electronic and video toll systems for the new Highway 407, a planned toll road that will bypass Metropolitan Toronto. The TEMS model incorporates origin-destination data and networks for the Greater Toronto Area and shows how both



auto and commercial vehicle users will respond to the new toll road. The model allows planners to analyze a variety of toll strategies for five different time periods, five trip/vehicle types, different network configurations for base and forecast years, and a wide range of toll collection strategies. This can include revenue maximizing strategies for each vehicle type and trip purpose. Forecasts can also include revenues and traffic flows for different stages of the toll road development.

Project Start Date

May 1996

Similar Issues

- Demand Forecasting
- Survey Analysis
- Toll Pricing Policy