



Toll Highway

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iTRANS is one of the leading independent professional practices in North America specializing in highway toll traffic and revenue forecasting, peer reviews and audits. The iTRANS team includes specialists in traffic forecasting and modeling, transportation economics, toll collection technologies, toll plaza operations, statistical analysis, and toll highway operations. iTRANS has prepared investment-grade traffic and revenue forecasts, and works closely with financial advisors, lenders, rating agencies, equity investors, and legal counsel.

Northwest Parkway (Colorado), Public-Private Partnership Bid Proponent

Desktop review of owner's traffic and revenue forecasts; critical review of model and underlying data; development of independent land use and traffic forecasts; and development of new revenue stream forecasts, in support of proponent's bid submission.

A25 (Montréal), Public-Private Partnership Bid Proponent

Development of base travel matrices, networks and growth factors, and supervision of local traffic / travel data collection and travel time surveys, for traffic and revenue forecast for proposed expressway bridge linking Montreal Island with its northern suburbs.

NE / NW Stoney Trail (Calgary), Public-Private Partnership Bid Proponent

Independent forecast of annual traffic, truck mix and truck type, for preparation of operations, maintenance and rehabilitation schedules for 37-year concession bid.

Highway 407 East Extension Toll Revenue Study, Ontario SuperBuild Corporation, Ministry of Finance (Ontario)

Preparation of investment grade traffic and toll revenue forecasts for the 66 km long Highway 407 East Completion Project in the Greater Toronto Area.

407 ETR Bid, Canadian Highways International Corporation (CHIC)

Toll traffic and revenue forecasts to support the bid by the consortium led by CHIC for the sale of the 407 ETR. Worked closely with financial advisors to prepare forecasts for alternative scenarios, and addressed questions from lenders and rating agencies.

Highway 407 Toll Highway, Canadian Highways International Corporation

Toll traffic and revenue forecasts for Highway 407 for CHIC, which won the contract to design and build a \$900 million, all-ETC highway. During the value engineering stage, made substantial contributions to capital savings of \$250 million. Tested staging options for Highway 407, and alternative deferrals and deletions of interchanges. Conducted a peer review and replicated forecasts produced for the Province of Ontario.

Preparation of Public-Private Partnership Strategy, European Bank for Reconstruction and Development

Review and validation of auto and truck traffic forecasts for proposed 400 km toll highways public-private partnership offering in Serbia and Montenegro.

Model Acceptance Review, Gateway Programme, Ministry of Transportation (British Columbia)

Acceptance review of new AM and PM EMME/2 models for \$2.5 billion public-private partnership highway / arterial expansion programme in the Vancouver region.

Review of Impacts of Highway 407 ETR, Ministry of Transportation (Ontario)

Analyzed the before and after traffic impacts, travel times and travel indicators for the opening of the Highway 407 West and East extensions.



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Millennium Highway (New Brunswick), Atlantic Highways Corporation

Toll traffic and revenue forecasts for a proposed new 200 km highway in New Brunswick, connecting the TCH at I-95 at the Maine border with the TCH near Moncton.

Fredericton-Moncton Highway, Maritime Highways Corporation

Advised on toll traffic and revenue forecasts and reviewed forecasts by the Province of New Brunswick, for a 210-km toll highway connecting the cities of Fredericton and Moncton. Included traffic and toll revenue forecasting, cost-benefit analysis, and transportation analysis.

Highway 104 Toll Highway (Nova Scotia), Atlantic Highways Corporation

Toll traffic and revenue forecasts for a new \$120 million section of the Trans Canada Highway between Amherst and Truro, Nova Scotia, for the Atlantic Highways Corporation which won the design-build contract. Conducted a peer review of the government's toll forecasts.

Cross Israel Highway Toll Project, Derech Eretz Consortium

Responsible for providing advice on toll traffic and revenue forecasts for a new \$1 billion, 90 km long, north-south highway to serve major population and employment areas in central Israel. Also provided advice for the value engineering and conducted a peer review of forecasts for the lenders. After an international competition, the consortium was awarded the contract to finance, design, build, and operate the highway.

Niagara Frontier International Gateway Study, Ministry of Transportation (Ontario)

Responsible for traffic and toll revenue forecasts for the Mid Peninsula Corridor Highway, including an economic assessment to determine the financial viability of the highway with and without private / public investment. Prepared traffic forecasts for the provincial network and the international bridges across the Niagara River (Ontario / New York State).

Highway 407 Privatization Bid, Canadian Highways International Corporation

Prepared toll traffic and revenue forecasts to support the privatization bid for sections of Highway 407 including 407 West, Central and East. Tested numerous staging options for Highway 407 and alternative toll rate schemes using a comprehensive spreadsheet model incorporating actual Highway 407 traffic and revenue operations. Also conducted a peer review and replicated forecasts produced for the Province of Ontario.

Shen-Shan Highway and Shantou Bay Bridge (China) Traffic and Revenue Forecasts, Private Developer

iTRANS staff calibrated a model for this 300 km tolled expressway in southern China. Forecasts were developed for alternate staging configurations and tolling schemes. Because this is one of the world's fastest growing regions, special attention was given to estimating GDP and population growth rates that acknowledged these conditions but also were prudent. The developer's banker accepted the forecasts for financing, as an investment-grade traffic and revenue forecast.

Estimating Toll Facility Demand and Revenue, NCHRP Synthesis 364, Transportation Research Board (USA)

iTRANS conducted an international best practices review and assessed the role, function, reliability, and credibility of travel demand forecasting models, methods, and forecasting as the basis for toll facility revenue projections for new highways throughout the US and overseas, with a specific focus on addressing the needs identified by the financial community. Based upon literature review and surveys with State DOTs, toll authorities, bond raters, and insurers.



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