

!! Smart, Responsible Ontario Ecodriving !!

= ETO =

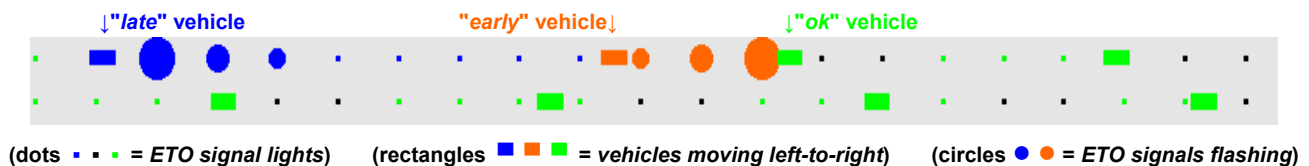
Expressway Traffic Optimization

ONTARIO DRIVERS: DEMAND YOUR TRANSPORTATION RIGHTS !!

**ETO will eliminate gridlock on all expressway lanes,
with low-emissions un-congested little-braking fuel-saving
ETO-optimized traffic for all drivers.**

EXPRESSWAY NEIGHBOURS: DEMAND TRAFFIC SMOG SOLUTIONS !!

ETO is the low-cost practical congestion solution concept: non-stop stress-free safe efficient low-emissions expressway traffic, everywhere for everyone **24/7/365**. Including motorcycles, trucks, buses, other high-occupancy vehicles (HOVs) e.g. carpool, taxi. Less through traffic on local roads.



Pavement-embedded signal lights spaced every **10 metres (33 feet)** along lane centrelines publicly guide best speeds and spacings. Driver-specific real-time ultra-simple 3-mode headway feedback coach: "early" = 1/2/3 SIGS ● DOUBLE-FLASHED | "ok" = 2 SIGS . . | . . | . . ON-OFF-ON | "late" = 1/2/3 SIGS ● SINGLE-FLASHED.

Headway is travelling time of each front bumper as far as the next. Standard safe driver reaction headway **1.8 seconds** => traffic flow **2000** vehicles per hour per lane. Mis-matched headways can cause congested traffic flows, falling to as low as **300** vehicles per hour per lane -- an **85%** waste!

Democratic **ETO** needs no special vehicle equipment, guides every driver, regardless of vehicle type, year, price. Vehicle adaptive cruise control (ACC) **ETO** option, automates driver participation.

ETO times the headway signals to achieve smooth overall traffic, especially during merging. Even **20%** driver participation can greatly ease congestion on e.g. **4XX, DVP, Gardiner, QEW**.

Options: (1) Carpool High Occupancy Vehicle (HOV) lanes / High Occupancy Toll (HOT) lanes, (2) Metered on-ramps, (3) Priority parallel HOV / HOT metered on-ramp queue, launching **1:1** alongside general-purpose untolled metered on-ramp queue, (4) Speed-choice parallel lanes, separate fast and slow drivers, e.g. **120 / 100 / 90** [kph] @ e.g. **1.6 / 1.7 / 1.8** [sec] headways.

www.gettorontomoving.ca/ITS-ETO.html

Are you fed up with expressway traffic congestion in Ontario, and with the pollution it causes? Then demand your transportation rights! Contact the Honourable Kathleen Wynne, Minister of Transportation of Ontario: minister@mto.gov.on.ca or 416-327-9200 or 1-800-268-4686.

Respectfully let Minister Wynne know, that you want the Ontario government, that your taxes pay for, immediately to start providing financial and logistical support to the ITS-ETO Consortium, for an **ETO** feasibility investigation.