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# Automated vehicles:

Planning the next disruptive technology

**2018 ROMA Conference**

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[conferenceboard.ca](http://conferenceboard.ca)

# Automated Vehicles.

THE COMING OF THE NEXT DISRUPTIVE TECHNOLOGY

Manufacturers expect to have fully automated vehicles on the road by

# 2020–25

## Time Savings

Canadians spend at least **5 billion hours** per year in a car.

Self-driving cars could free up that time for productive or leisure activities.



VS.



## What Does This Mean for Jobs?

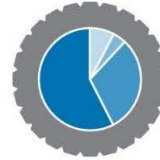
Automated vehicles (AVs) could disrupt **more than 500,000 Canadians** who currently earn their living driving a vehicle. Potentially displaced workers could include:

- transport, truck, and courier service drivers
- taxi drivers, bus drivers, tow truck drivers
- auto insurance agents
- traffic police
- driving instructors
- parking attendants, others.



## How Will Canada Benefit?

# \$65 billion

 in potential benefits

Fewer collisions  
**\$37.4 billion**

Fuel cost savings  
**\$2.6 billion**

Less time in your car  
**\$20 billion**

Congestion avoidance  
**\$5 billion**

## Advantages and Disadvantages



AVs will be able to provide easily accessible transportation for many of the **registered disabled, seniors, those who can't afford to drive, and children.**



Overall consumption of oil **could decrease**, but **increases may occur** in uses of electricity.

## Changes to Infrastructure

Changes to infrastructure may include:



Fewer parking lots



More charging locations



The creation of AV and non AV lanes



Increased roundabouts and decreased traffic lights



# Automated Vehicles Annual Conference

- **2016 (Toronto, 19-20 April):** built on our 2015 report, a call to members of the planning profession to take a lead on the AV file
- **2017 (Toronto, 19-20 April):** further explored how the technology can be leveraged to create the cities that we want to live in
- **2018 (Edmonton, 6-7 June):** will focus more on the transition period, include the rural perspective (not just an urban conversation)

