

Outline

- Background
- Implementing new technologies
- Tracking emerging trends
- Preparing for the long-term
- Summary

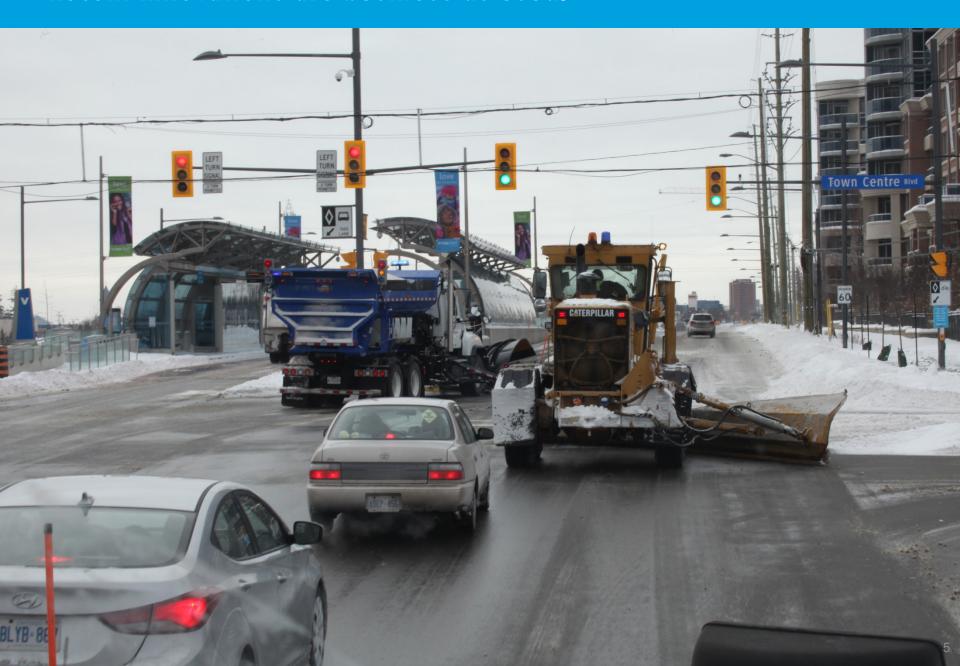


Background

Background



Recent innovations are business as usual



Implementing new technologies

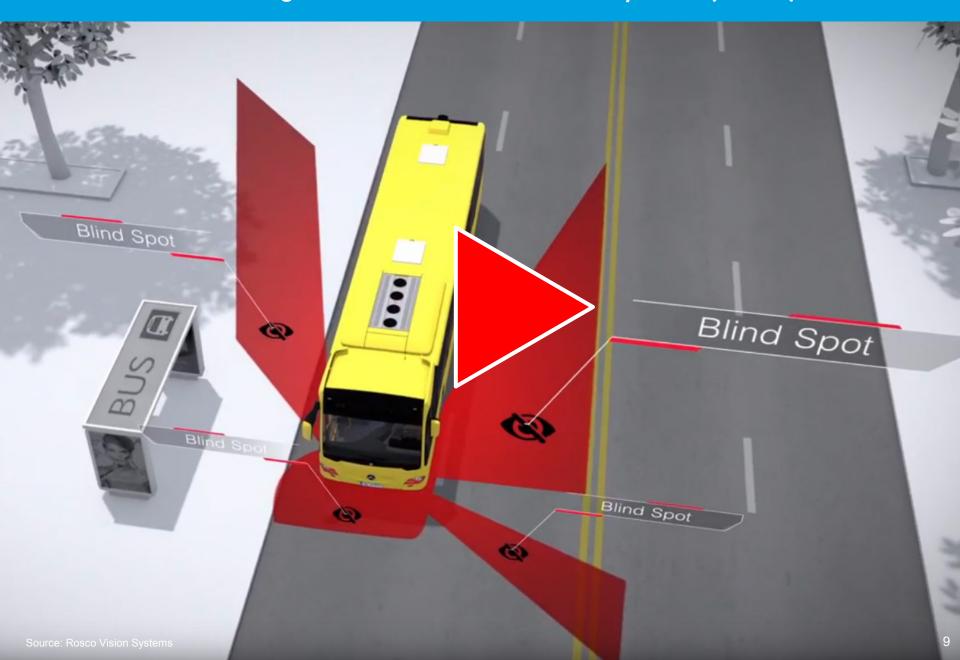
Bluetooth and Wi-Fi traffic sensors



Driver Support System



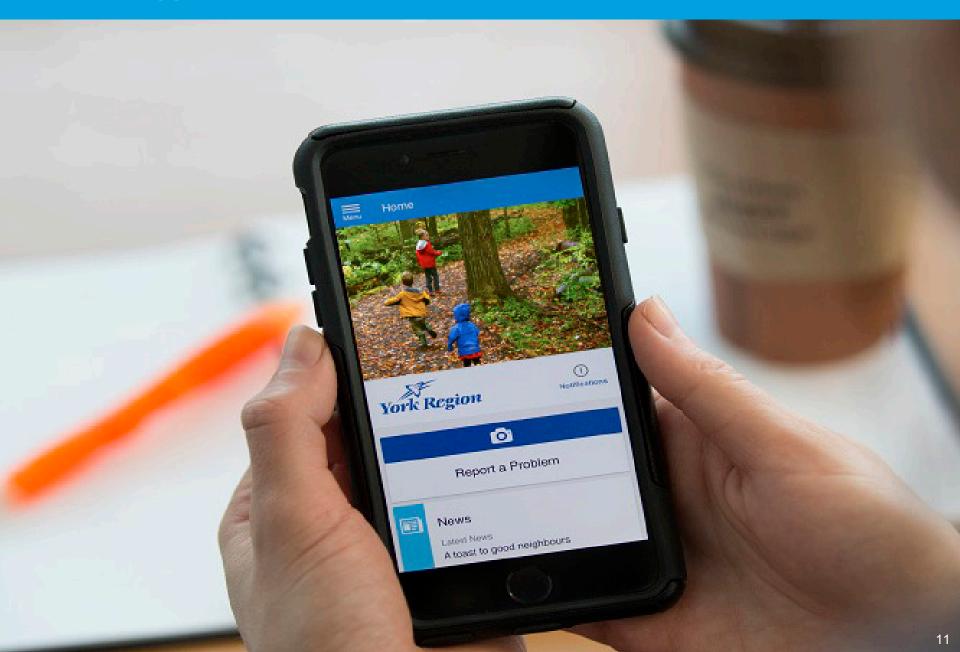
Pedestrian Warning and Collision Avoidance System (PWCA)



Signal pre-emption for emergency vehicles using GPS radio



Mobile applications

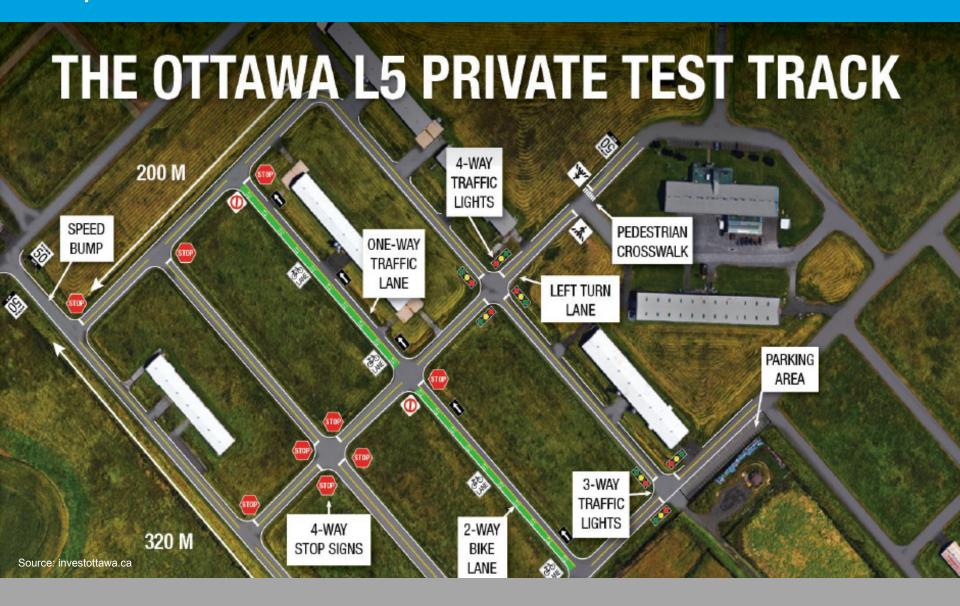


Tracking emerging trends

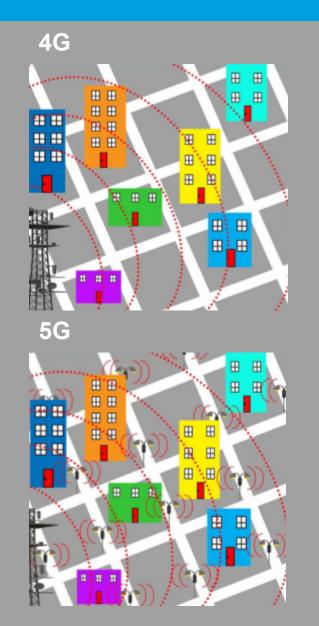
City of Toronto automated shuttle trial



City of Ottawa test site for connected and autonomous vehicles

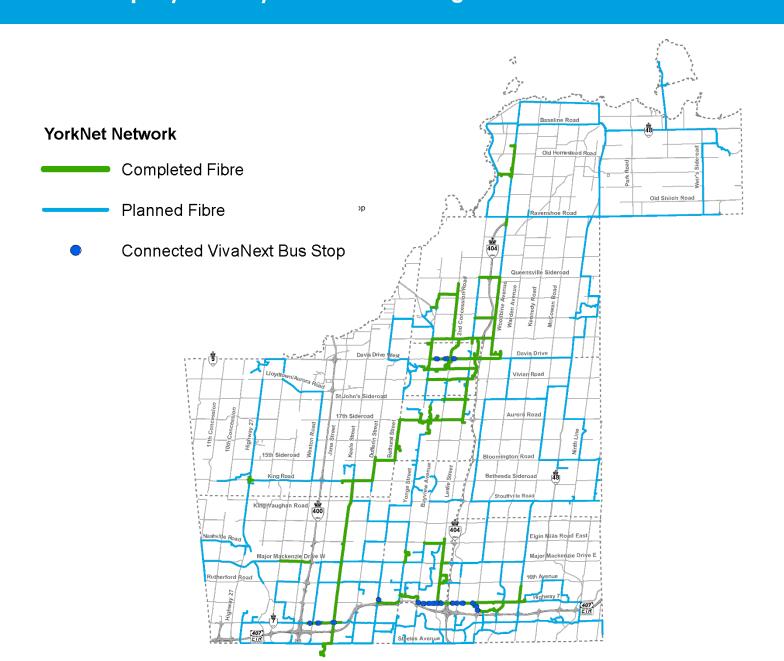


Telecommunication technology evolution and pressures





YorkNet plays a key role in the Region's communication network



Privacy and security concerns to be managed



As the Region is collecting more data from various sources, there is an increasing need for data privacy and security

Preparing for the long term

Coordinated action plan — research, partnerships, pilot projects









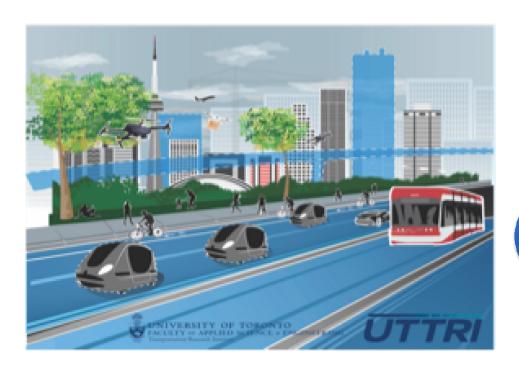
MACAVO





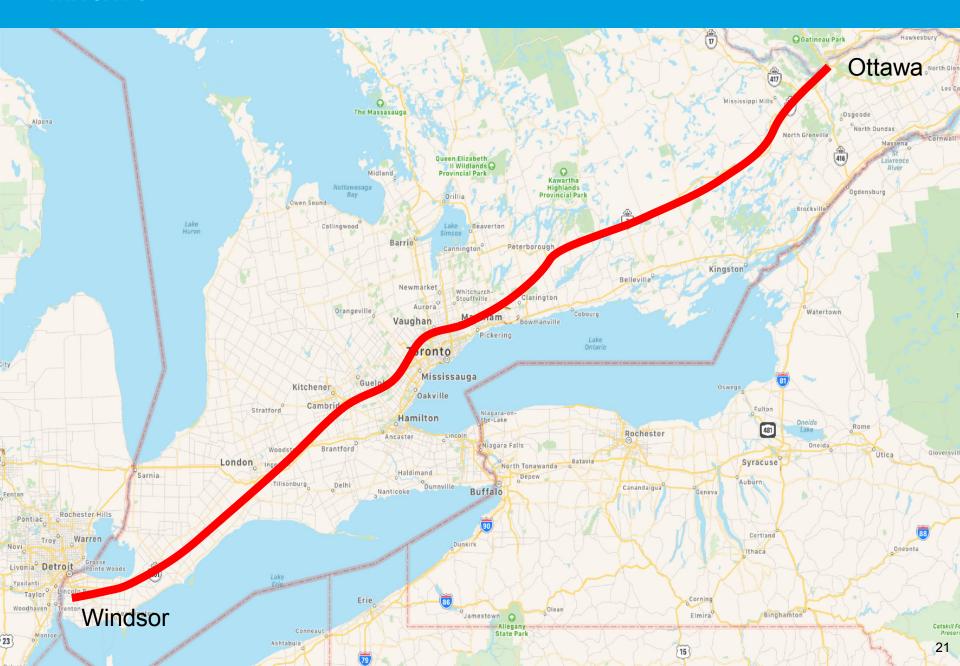


iCity-CATTS Program





MACAVO



Communications pilot partnership with Metrolinx and 407 ETR



Summary

What to expect on the network in the coming year



Summary

Staff will continue to:

- Partner and pursue collaboration opportunities
- Monitor potential capital and operating budget pressures
- Update Council regularly on progress and accomplishments



Questions/Discussion

BRIAN TITHERINGTON

Director of Transportation and Infrastructure Planning

LAUREN CRAWFORD

Manager of Transportation Long-Term Planning

