



FREIGHT MATTERS

FREIGHT AND GOODS SYMPOSIUM

Barbara Gray, General Manager of Transportation Services, City of Toronto

Source:
<http://www.oftb.com/photo-gallery>

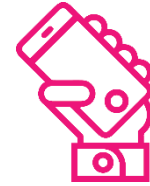




Growth Impacts

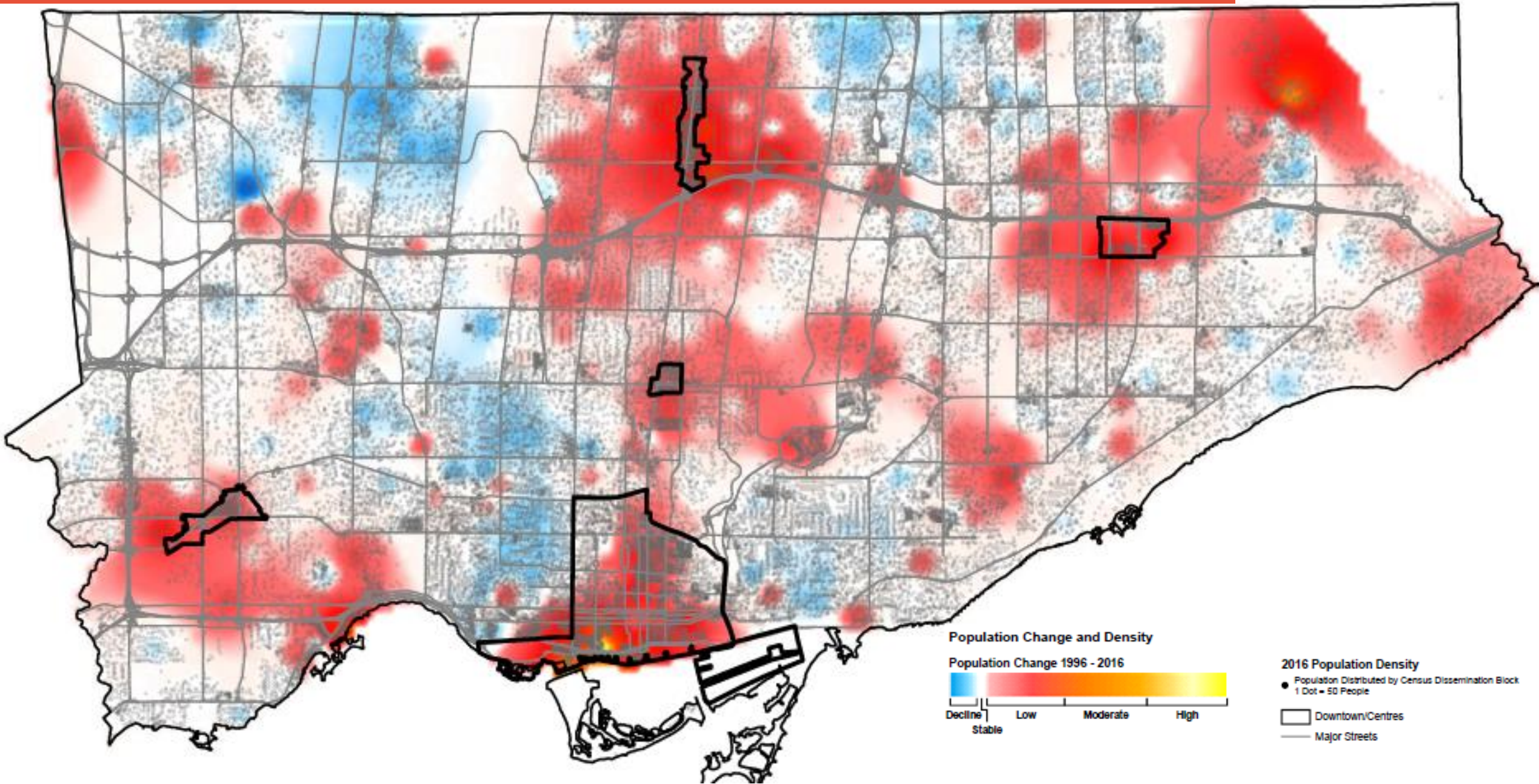


Managing the Impacts

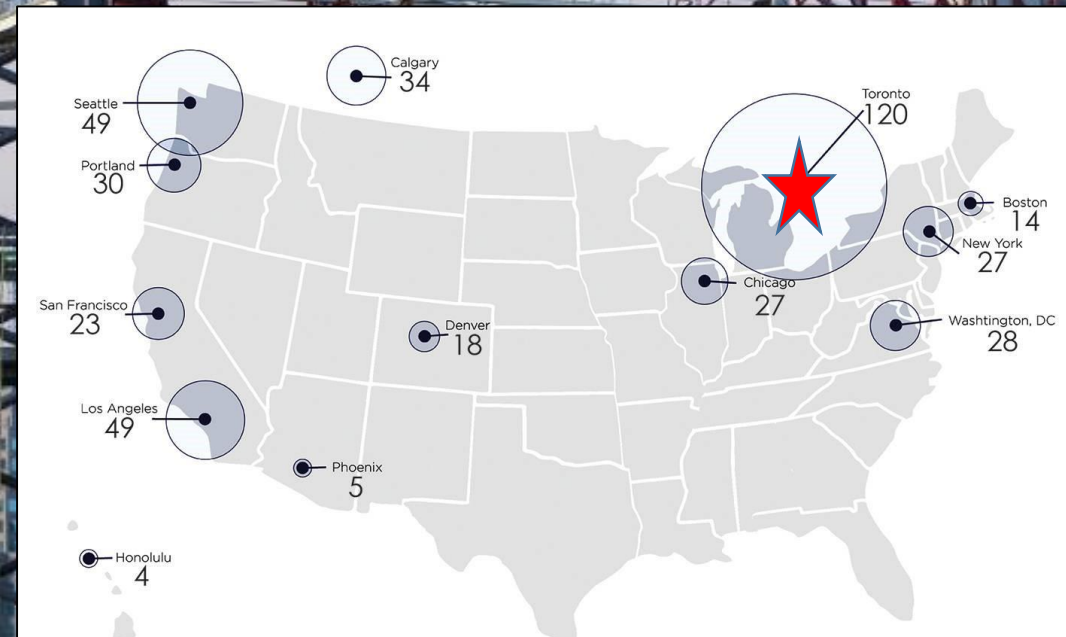


Partnerships and Best Practices

GROWTH IS UNPRECEDENTED THROUGHOUT THE CITY



THE TORONTO CRANE-SCAPE...



CONGESTION, A RELIABLE BY-PRODUCT OF GROWTH...



IS MAKING IT HARDER AND HARDER TO DELIVER GOODS ON TIME



Source: <https://windsorstar.com/news/local-news/photos-trucks-backed-up-on-huron-church-due-to-us-customs-computer-issues>

PEOPLE AND BUSINESSES ARE MOVING BACK INTO CITIES

Google



TORONTO STREET SPACE IS IN HIGH DEMAND



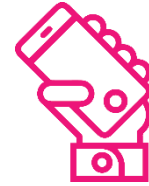
Source:
<https://i2.wp.com/endofdriving.org/wp-content/uploads/2017/06/Cyclist-uses-gutter.jpg>



Growth Impacts



**Managing the
Impacts**



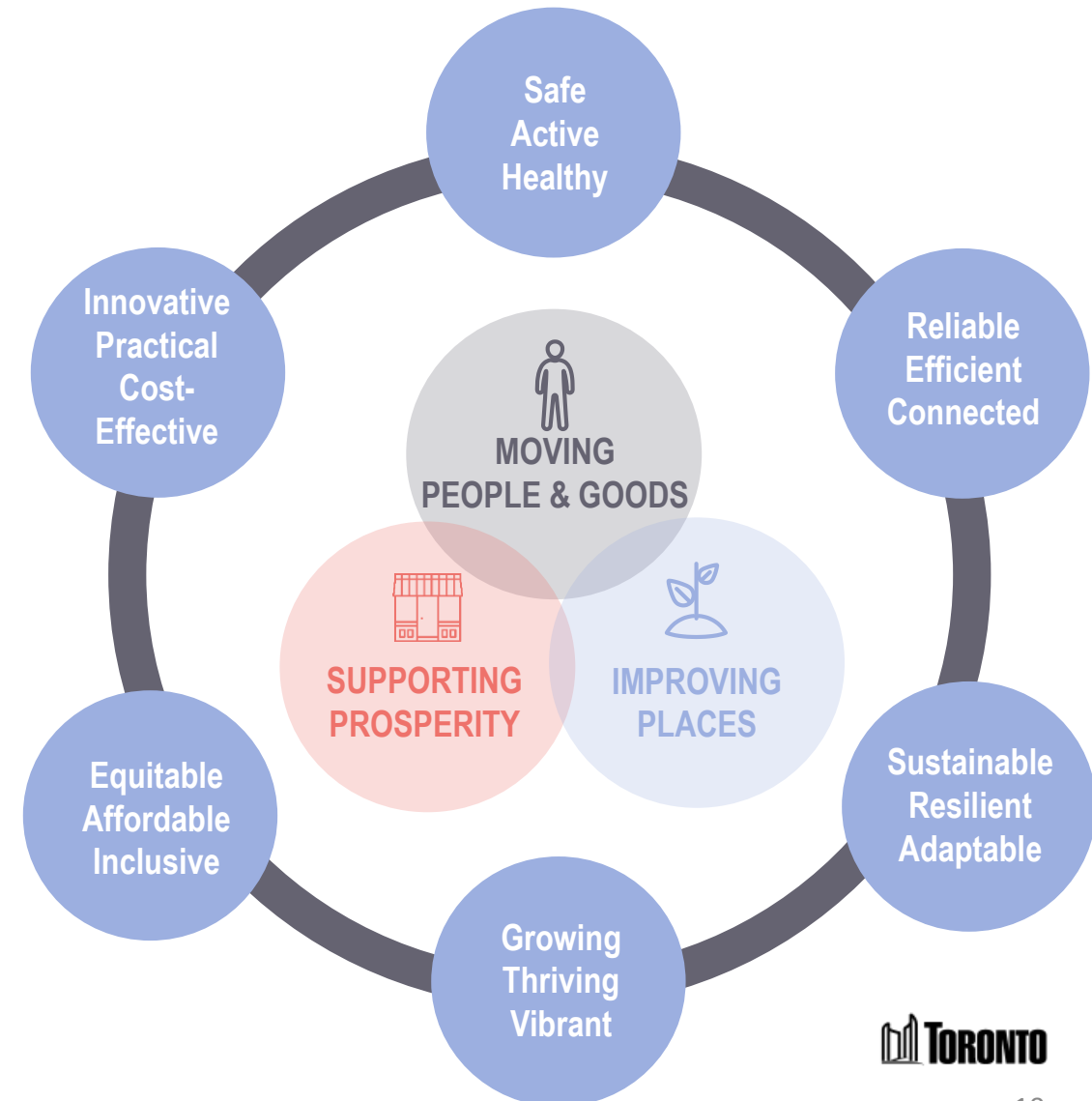
Partnerships
and Best
Practices

GOODS MOVEMENT IS CRITICAL TO OUR LOCAL AND REGIONAL ECONOMY

Toronto's vision for mobility is about creating **a connected city** where people of all ages, abilities, and means have access to a good **quality of life**.

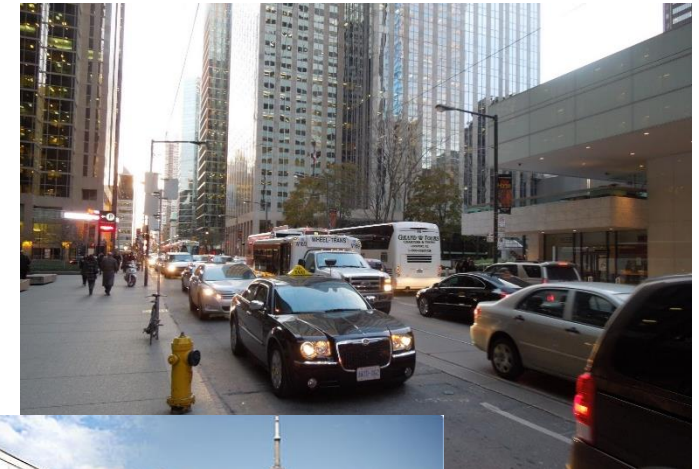
A city that **moves people and goods**, supports our **economic and social prosperity**, and improves our neighbourhood and environmental **places**.

A city where the majority of people choose to **walk, cycle, and use transit**.



STRATEGIC AND OPERATIONAL PLANNING

- **Congestion Management Plan**
- **Curbside Management Strategy**
- *In Development: Freight & Goods Movement Strategy*



TORONTO FREIGHT AND GOODS MOVEMENT STUDY

GOALS

- System Performance
- Access Performance
- Environment
- Equity
- Economic Competitiveness
- Safety
- Adaptability

Study completion – April 2020



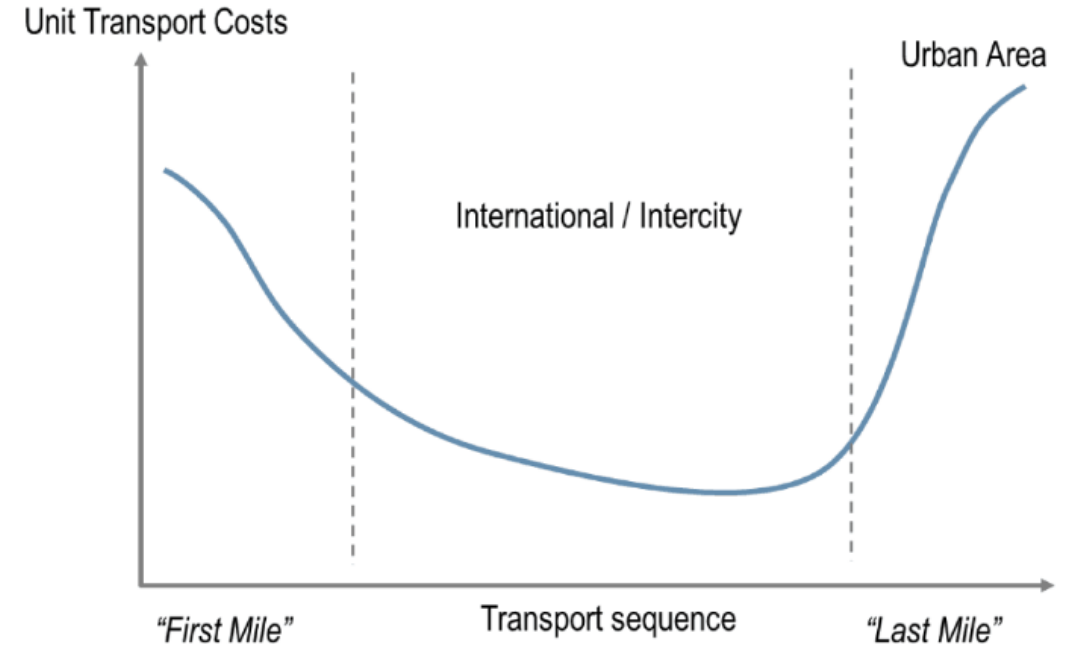
FIRST / LAST MILE DELIVERY

Challenges

- Loads are consolidated to improve economies of scale, their transport mode and to reduce cost
- Congestion
- Inadequate docking space and curb space for commercial vehicles

Solutions

- Overnight delivery a solution, but not for all
- Microhubs
- Cyclelogistics



First and Last Mile Unit Cost Structure



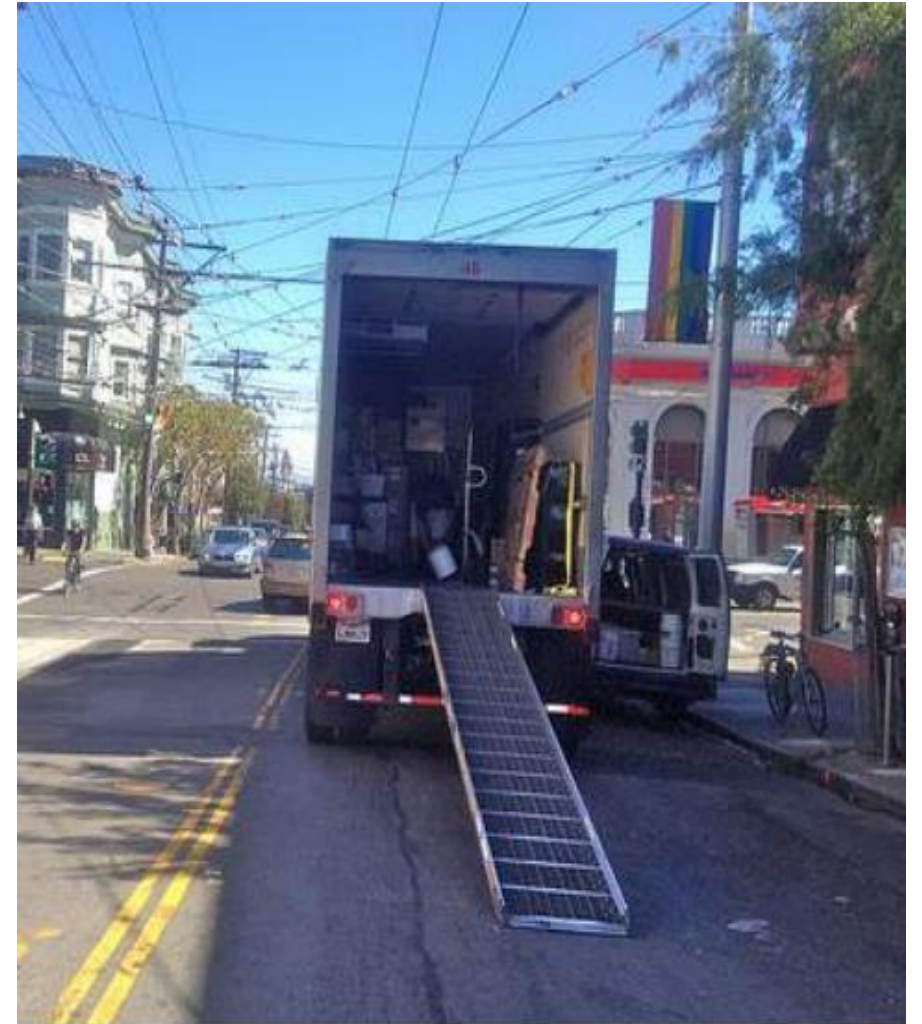
CURBSIDE ACCESS

Curbside access increasingly in high demand

- Motor vehicle drivers
- Cyclists
- Taxis and ride shares
- Couriers
- other goods movement operators, etc.

Demands increasing with **rise in e-commerce** and associated delivery systems

Strategic Curbside Management to support mobility and access



DRIVER BEHAVIOUR

- **Couriers and goods delivery vehicles circulating** looking for spots to load/unload
- **Curbside conflicts** are witnessed daily
- **Pedestrians and cyclists** are put at risk
- Added **emphasis on heavy truck safety**
 - Toronto's Vision Zero Safety Plan, CMS and development of our FGMS





Growth Impacts



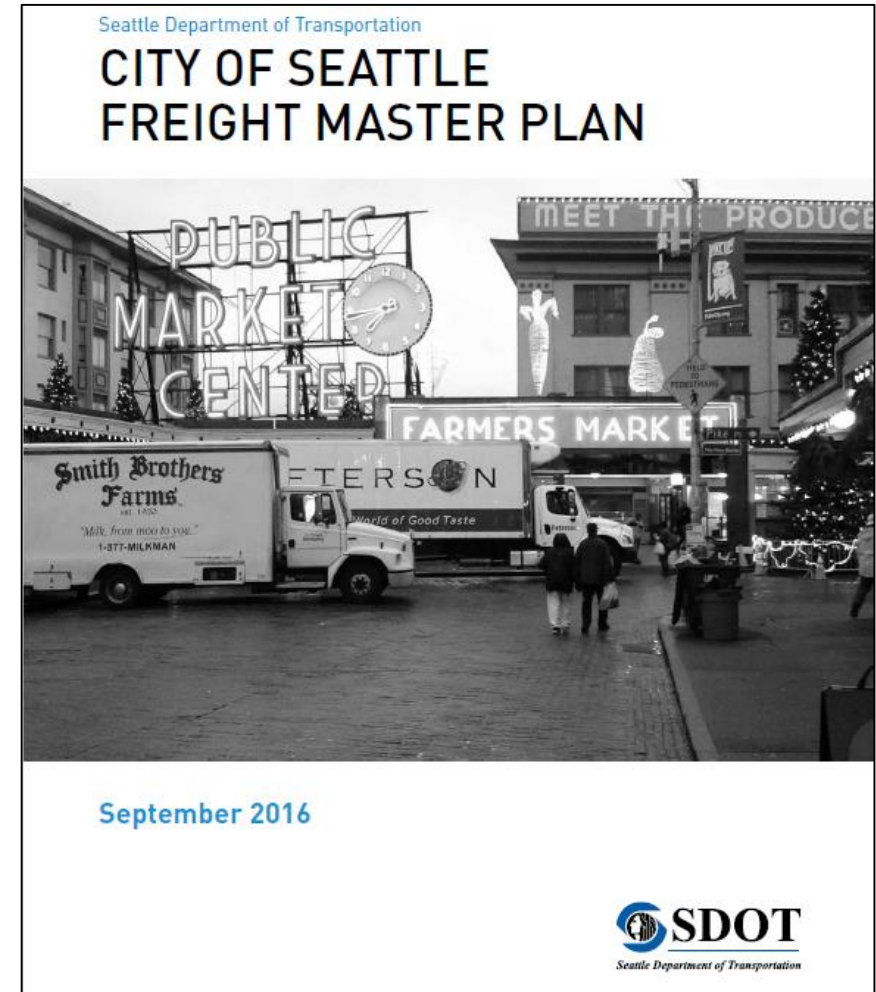
Managing the Impacts



Partnerships and Best Practices

CITY OF SEATTLE FREIGHT PLAN

- 40% of all jobs in Washington are freight-related
- 900,000 freight-related jobs in Seattle Region
- Economic Impact of \$91.9 Billion
- 60% increase in freight over next 20 years

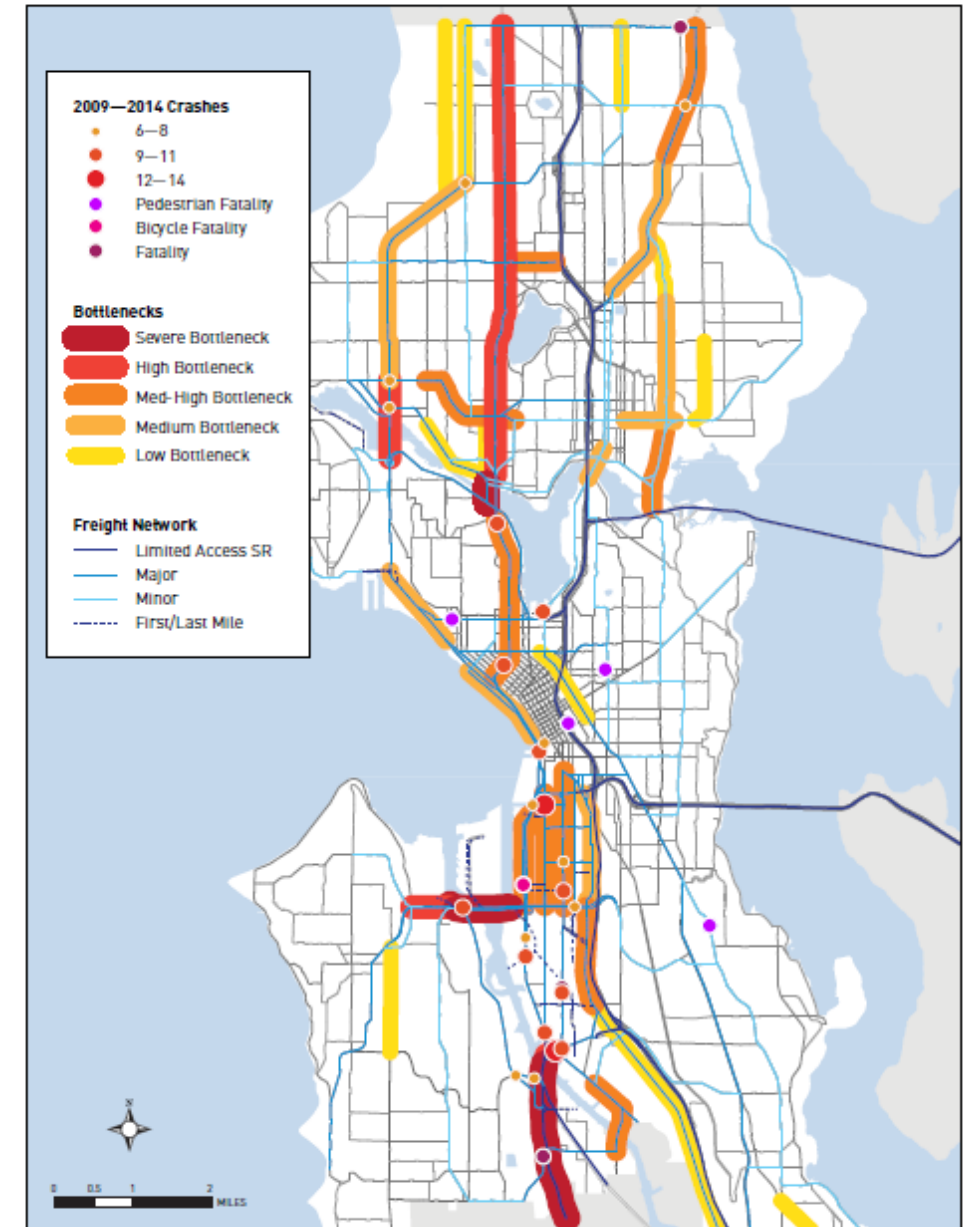


Source:
<https://www.seattle.gov/transportation/sdot-document-library/citywide-plans/modal-plans/freight-master-plan>

LESSONS LEARNED

- Ensure **equity is integrated** into access plans and project priorities
- Plan for **resiliency and connectivity** in the network
- **Pinpoint the hotspots** for collisions and bottlenecks—develop capital and operational plans to address them
- **Integrate road safety and Vision Zero**—especially related to pedestrian and heavy truck crashes
- **And...**

FIGURE 5-5: FREIGHT BOTTLENECK AND SAFETY LOCATIONS

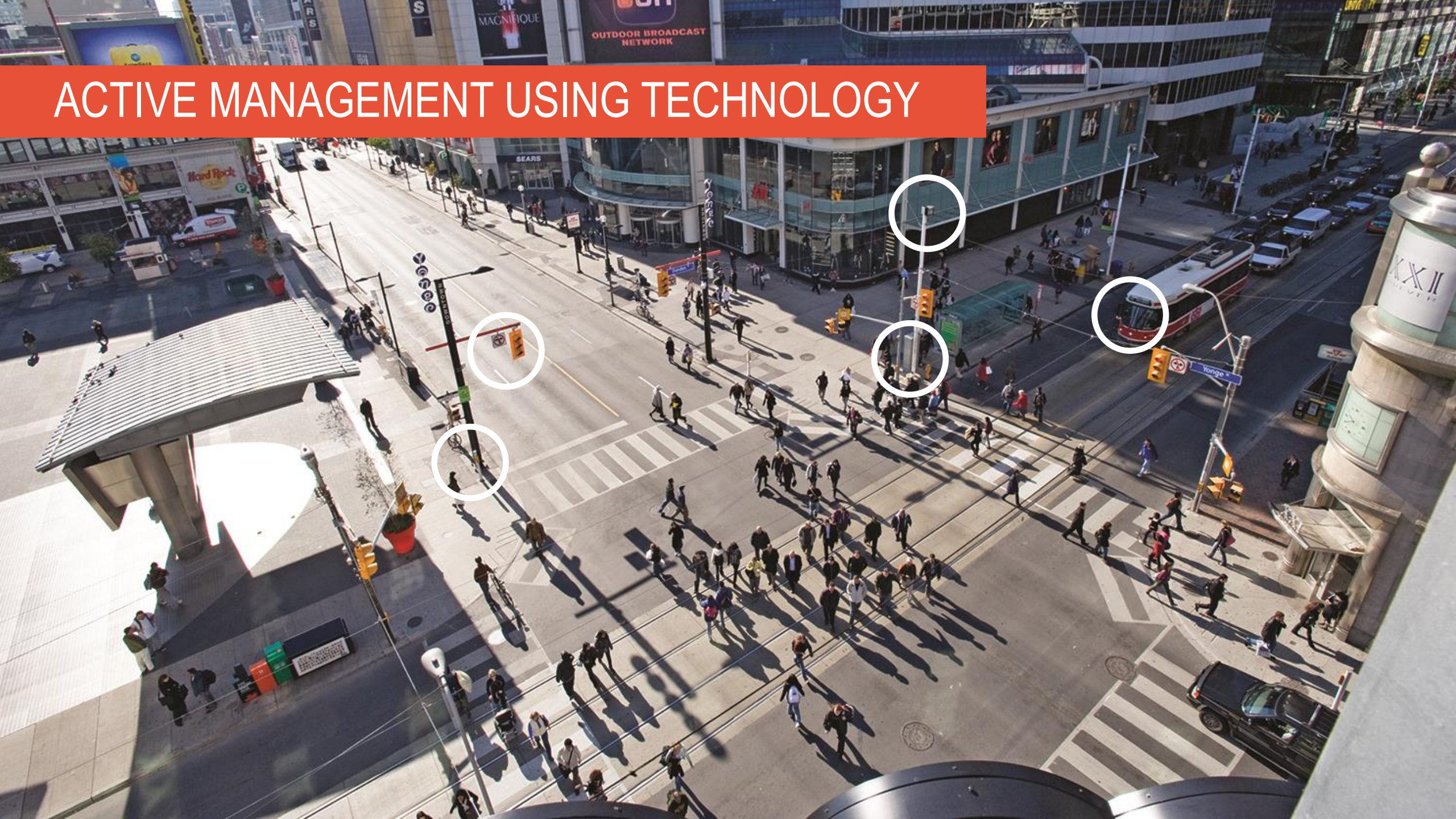


Source: <https://www.seattle.gov/transportation/sdot-document-library/citywide-plans/modal-plans/freight-master-plan>

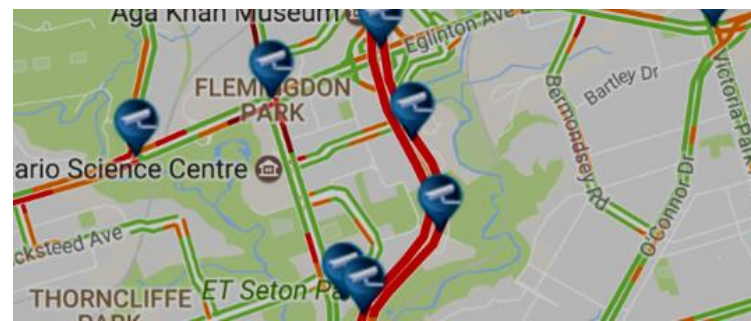
TELL THE STORY



ACTIVE MANAGEMENT USING TECHNOLOGY



ITS: MAKING BEST USE OF TECHNOLOGY



GETTING THE MESSAGE OUT

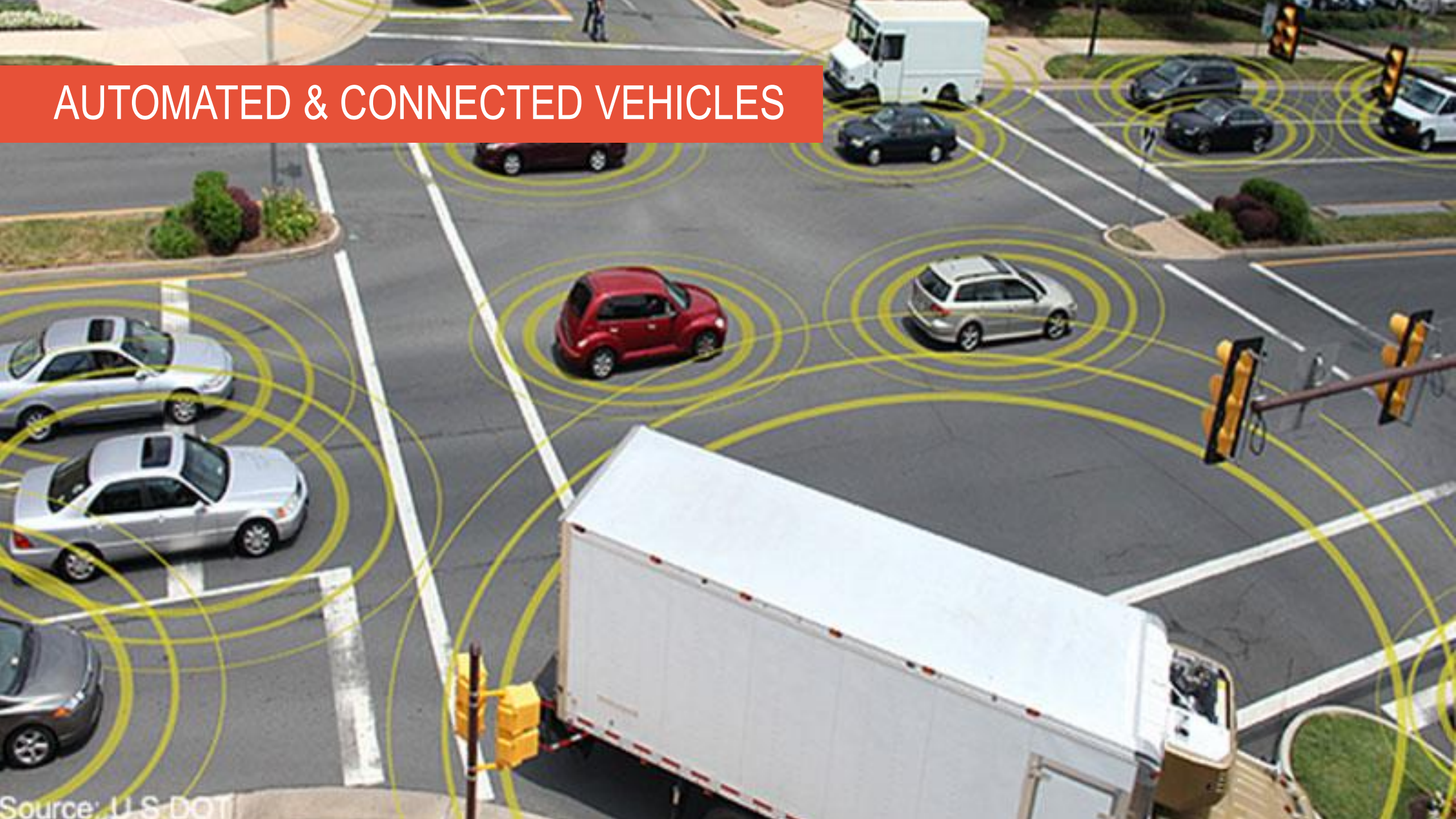
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NEWS



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AUTOMATED & CONNECTED VEHICLES



PARTNERS AND BEST PRACTICES IN THE GTA



March 2017





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