

Vaughan Traffic Management Strategy

Connecting People, Places and Communities



Transportation and Infrastructure Task Force
November 20, 2019



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Term of Council Strategy Map: Setting the Direction

Transportation and Mobility:

To be a fully connected and integrated community, the City will undertake initiatives to improve the municipal road network, support the development of transit and increase cycling and pedestrian infrastructure



Public Works Vision:

We believe in fostering a community where people can have a better tomorrow

Traffic Engineering Mandate:

To manage safe and efficient movement of pedestrian and vehicle traffic along City owned streets, sidewalks, and walkways.

Key Functions: Traffic Operations and Road Safety, Operations and Maintenance of Traffic Signals and Street lights, Utility Coordination and Permits Approval



Transportation in Vaughan

In the 2018 Citizen Survey, 59% of residents said transportation is the most important issue facing their community

The City continues to focus its efforts on ensuring an efficient and reliable transportation system that ultimately gets citizens and businesses where they need to go in a safe and sustainable way.

The Traffic Management Strategy sets the direction and priorities for the next 5 years



Alignment with the Transportation Master Plan

- Traffic data for existing condition and trends
- Identify growth area for data requirement and monitoring
- Input to road capital program – intersection improvements, signals, operational review
- Bike and Pedestrian master plan – traffic plan focus on pedestrian, traffic calming, neighbourhood traffic management plan (city-wide speed policy review), traffic by-laws, school zone safety, signal operations
- Integration of transportation and land-use
- Road character and design elements - policy



Traffic Management Strategy Process



Engagement By Numbers

Top 5 Road Safety Concerns:

1. Congestion
2. Aggressive driving
3. Construction Management
4. Distracted driving
5. Speeding



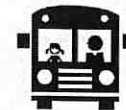
Top Terms for Traffic /Travel Planning:

1. Efficiency
2. Safety
3. Reliability
4. Quality of Life
5. Accessibility



Some Key Messaging

- ✓ **Aggressive and distracted driving** are top concerns
- ✓ The public is asking for **coordination and collaboration** between agencies and governments
- ✓ Explore opportunities to **share transportation and traffic data** between agencies and government
- ✓ Road safety is a **shared value**
- ☐ How do we make road safety a **shared responsibility?**



Some Key Messaging

- Top short and long term goals: the use of smart technologies to improve the efficiency of traffic signalling, and more affordable, frequent and reliable public transit service, promote active modes of transportation
- Engagement should happen both in the community and online



Strengthen collaboration between different agencies and levels of government on traffic and road safety programs and initiatives, and ensure there is clear and consistent messaging.



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What is the Traffic Management Strategy?

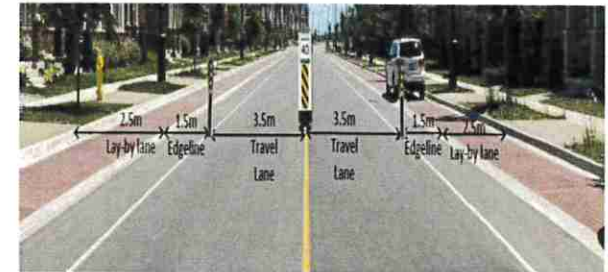
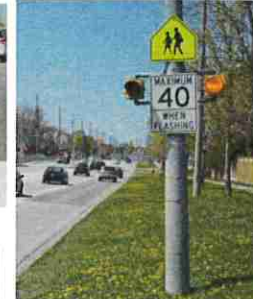
The Traffic Management Strategy gives life and direction to the City's vision to provide a transportation system that is safe, efficient, and sustainable, while provide access and mobility.

Four Goals of the Traffic Management Strategy

- Improve Road Safety and Citizen Engagement
- Improve the efficiency and reliability of the transportation system through innovation and technology
- Improve mobility through supporting active and sustainable transportation
- Improve monitoring of traffic conditions and trends through efficient traffic data collection and management



Key Initiative: Road Safety Program



Focus on speeding, school zones, distracted driving, aggressive driving, rail safety, pedestrians, cyclists, parking



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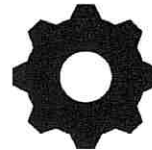


Key Initiative: Traffic Control Management Program

Improving efficiency and reliability by modernizing the City's Traffic Signals System



Improve and upgrade signals



Standard operating procedure



Feasibility study for smart technology



Design Traffic Management Centre



Key Initiative: Supporting Sustainable Mobility

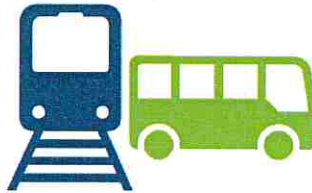
Transformational shift to encourage sustainable mobility



Support
Cycling/Trail
Network
Expansion



Education
Outreach
Awareness



Support
Transit
Network
Expansion



Supportive
Policies,
By-laws and
Procedures

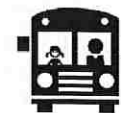
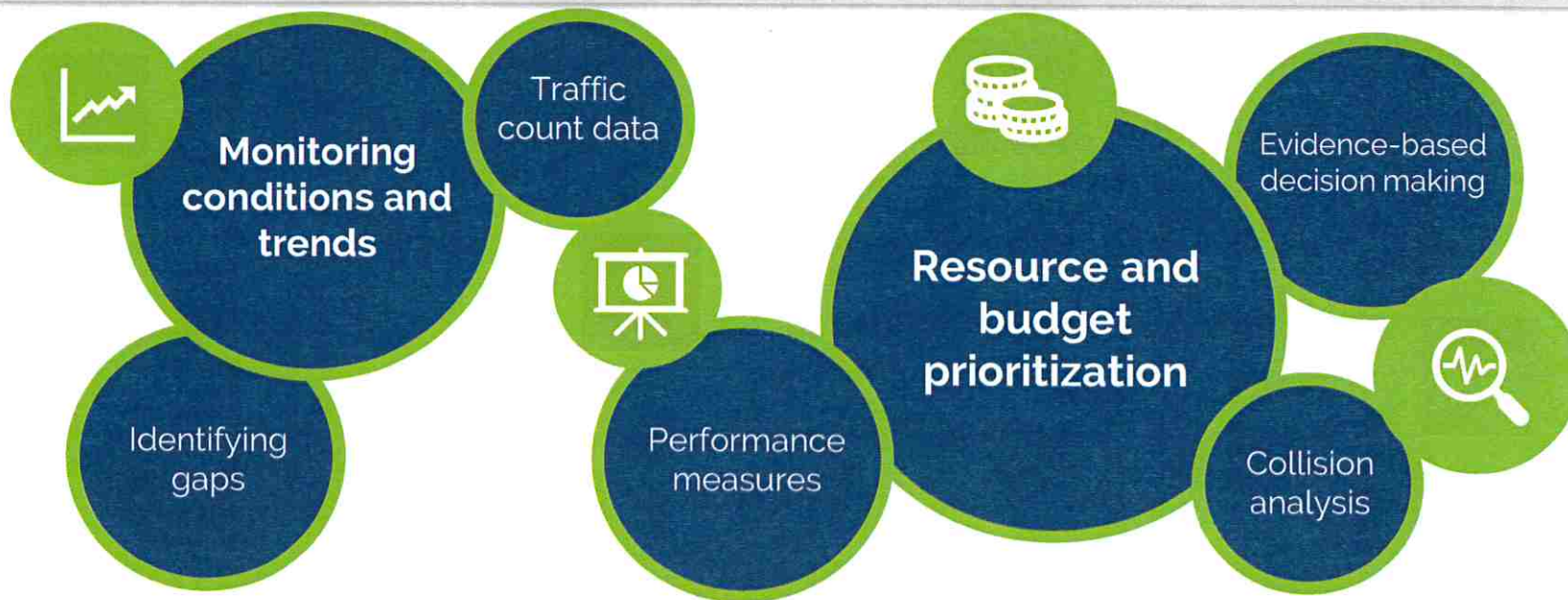


Review
Existing
Operations
and
Maintenance
Procedures



Key Initiative: Traffic Data Management Program

Remodeling the City's Traffic Data Management Program



Technical Research

Traffic Data Management

(streets monitoring and trends, identifying gaps, performance measures, traffic count and collision data and analysis)



Supporting Sustainable Mobility

(support the expansion of the cycling and trail network, review policy, procedure, and by-laws, support transit network expansion, supportive site design, behavioural change programs)

Collaboration and Partnership

(Program and Project Coordination, building road capacity to meet growth, missing links)

Traffic Management Strategy

Road Safety

(Speed Management, Community Safety Zones, Pedestrian Safety, School Zones Safety, Construction Work Zones Safety, Policy, procedure and by-laws, Education, Outreach, and Awareness, Rail Safety, Rural Roads Strategy, Road Safety Strategic Plan)



Traffic Control Management

(upgrade traffic signals, design traffic management system, Accessible Pedestrian Signal, Assess curb side and parking management (By-law), assess feasibility study for smart technology, LED streetlighting and Adaptive system, SOP for traffic management)



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Thank you!

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