

Committee of the Whole (Working Session) Report

DATE: Wednesday, March 1, 2023

WARD(S): ALL

TITLE: MOVESMART MOBILITY MANAGEMENT STRATEGY 2ND ANNUAL
PROGRESS REPORT

FROM:

Zoran Postic, Deputy City Manager, Public Works

ACTION: FOR INFORMATION

Purpose

To provide a status update on the MoveSmart Mobility Management Strategy (MoveSmart) through a 2nd Annual Progress Report. MoveSmart supports Council's commitment to providing a safer transportation network, encouraging healthy, sustainable and connected communities. The 2nd Annual Progress Report highlights advancements within each of the four program areas of MoveSmart over the last year.

Report Highlights

- On March 10, 2021, Council endorsed the five-year MoveSmart Mobility Management Strategy. MoveSmart is comprised of four highly integrated programs designed to encourage a safe network for all modes of transportation, including active and sustainable travel.
- The MoveSmart programs and initiatives facilitate improvements through best practices and policies, operation and design, and supported by data driven and evidence-based decisions.

Report Highlights (continued)

- Fourteen out of twenty-nine initiatives are advancing as planned, with six more initiatives set to launch in 2023. Notable achievements to date include:
 - The implementation of the speed limit policy, inclusive of the Neighbourhood 40km/h Pilot Program within select block locations across all five wards, the launch of the Active School Travel Pilot Program and the installation of new traffic calming measures at select locations all show a trend of improved speed compliance.
 - The commencement of the Neighbourhood Traffic Calming and Speed Management Plan and select Urban and Rural Corridor Traffic Reviews, inclusive of stakeholder and public engagement strategies.
 - A collaborative partnership with the Regional Municipality of York on the Traveller Safety Plan.
 - A comprehensive analysis to commence the operation of an Intelligent Transportation System and Traffic Management Centre.
 - Developing the framework for the implementation of an Automated Speed Enforcement Program and establishment of community safety zone and safer school zone policies and plans.
- Vital to the success of MoveSmart is the continued collaboration and engagement with internal and external partners, as well as our citizens.

Recommendations

1. That the MoveSmart 2nd Annual Progress Report, as outlined in Attachment 1, be received; and
2. That the City Clerk forward a copy of this report to York Region, York Region's local Municipalities, York Regional Police, York Region District School Board, York Region Catholic School Board, Metrolinx, and the Ministry of Transportation.

Background

On March 10, 2021, Council endorsed the MoveSmart Mobility Management Strategy.

The endorsement of MoveSmart recognizes that traffic management and road safety are both primary concerns for the Citizens of Vaughan. During the foundational year, MoveSmart set the direction and priorities for twenty-nine initiatives designed to effectively manage the road network as Vaughan continues to experience significant growth and expansion, and safety continues to be top of mind for Vaughan's citizens.

MoveSmart consists of four highly integrated programs, road safety, mobility management, sustainable mobility and traffic data management. **For more information on these programs, please refer to the First Annual MoveSmart Mobility Management Strategy Progress Report (links below).**

MoveSmart is designed to adapt as the needs of the transportation network change. The strategy will be updated every five years (in parallel with the Transportation Master Plan) to reflect the growth and availability of innovative technologies and align with the City's new term of Council priorities.

Previous Reports/Authority

MoveSmart Mobility Management Strategy:

<https://www.vaughan.ca/projects/transportation/trafficstrategy/Pages/default.aspx>

Speed Limit Policy:

<https://www.vaughan.ca/services/residential/transportation/speed-limit-policy/Pages/default.aspx>

Vaughan Official Plan:

https://www.vaughan.ca/projects/policy_planning_projects/official_planning_2010/Pages/default.aspx

Pedestrian and Cycling Master Plan:

https://www.vaughan.ca/projects/projects_and_studies/pedestrian_master_plan/Pages/default.aspx

MoveSmart Mobility Management Strategy Annual Progress Report, Extract from Council Meeting Minutes of March 22, 2022 (Report No. 11, Item 1 of the Committee of the Whole (Working Session)):

<https://pub-vaughan.escribemeetings.com/filestream.ashx?DocumentId=101578>

Speed Limit Reduction Report, Extract from Council Meeting Minutes of March 22, 2022, (Report No. 12, Item 15 of Committee of the Whole):

<https://pub-vaughan.escribemeetings.com/filestream.ashx?DocumentId=101737>

MoveSmart Mobility Management Strategy, Extract from Council Meeting Minutes of March 10, 2021 (Report No. 10, Item 1 of the Committee of the Whole (Working Session)):

[filestream.ashx \(escribemeetings.com\)](filestream.ashx(escribemeetings.com))

Establishing Speed Limits on City Roadways, Extract from Council Meeting Minutes of June 22, 2021 (Report No. 31, Item 1 of the Committee of the Whole (Working Session)):

<https://pub-vaughan.escribemeetings.com/filestream.ashx?DocumentId=78914>

School Crossing Guard Policy, Extract from Council Meeting Minutes of November 17, 2020 (Report No. 53, Item 3 of the Committee of the Whole (Working Session)):
<filestream.ashx> ([escribemeetings.com](https://pub-vaughan.escribemeetings.com))

Analysis and Options

MoveSmart consists of twenty-nine initiatives organized into four programs.

The initiatives within MoveSmart are highly integrated in that they support or enhance other initiatives. For example, the Data Management System is the core of the MoveSmart strategy. This system facilitates the analysis and reporting of traffic related data to allow evidence-based decisions on the implementation of road safety improvements and supports the development of new policies.

Data collected at Neighbourhood Area 40km/h pilot, Active School Travel pilot and other select locations show trends towards greater speed compliance.

A combination of traffic calming measures, including radar message boards, new signage, pavement markings and in-road flexible posts implemented at the piloted Neighbourhood 40km/h blocks, Active School Travel and other select locations are resulting in a trend towards greater driver compliance to the posted speed. Monitoring of these locations will continue throughout 2023. York Regional Police data and a safety analysis using the Data Management System, will continue to identify locations where safety can be further improved. The City is expanding on proactive assessments of the effectiveness of new policies and changes on the roadway.

Similarly, a network of stakeholders is needed to optimize the benefits of MoveSmart. This past year, the City has continued to strengthen relationships with key stakeholders to establish a coordinated effort with all partners who have a vested interest in the City's transportation network. Communication and public awareness have been instrumental in ensuring citizens are provided with timely information on the progression of initiatives and changes taking place throughout the road network.

A summary of the key MoveSmart initiatives in 2022 are listed below for each of the four programs (inclusive of Communications and Public Awareness). **Further details for each initiative can be found in the attached MoveSmart 2nd Annual Progress Report.**

Road Safety

- **Traveller Safety Plan** - a strategy to reduce fatal collisions and serious injuries
- **Neighbourhood Area Traffic Calming Plan and Speed Management Strategy** - establish a set of revised guidelines for implementing traffic calming measures and speed management tools

- **In-Service Road Safety and Corridor Operational Reviews** - examine the current and future transportation infrastructure needs for six corridors to advance road safety
- **Automated Speed Enforcement (ASE) Program** - a plan for implementing ASE at key locations throughout the City
- **Implementation of all three phases of the Speed Limit Policy** - reducing speed limits in areas of focus and piloting five neighbourhood block areas

Mobility

- **Intelligent Transportation System Network** - a plan to leverage the latest technologies to improve safety and efficiency throughout the road network
- **Pavement Markings and Signs** - implemented over 240 flexi-posts within select locations across all five wards to improve mobility and safety
- **LED Streetlights** - completed LED retrofit program and developed streetlighting monitoring plan, leveraging smart adaptive features

Sustainable Mobility

- **Active School Travel (AST) Pilot Program** - a partnership with eight schools to engage school communities, school administrations and particularly the youth about road safety and active and sustainable travel choices
- **School Crossing Guard Program Exposure Index Matrix** - applies both data and a priority risk ranking system to validate the implementation, reallocation or removal of a School Crossing Guard
- **Community Safety Zones and Safer School Zones** - evaluation and identification of communities and schools across Vaughan whereby road safety, traffic operations and speed enforcement measures can be recommended

Data Management

- **Traffic Engineering Software (TES)** - access to accurate traffic data, analysis and reports
- **Partnerships with University Students** – supporting with data collection, program plans, and developing mapping tools and performance measures to assess progress made in all initiatives within MoveSmart

Communications and Public Awareness

- **Launch of the #slowdownvaughan Lawn Sign Campaign** - signs have been distributed to city facilities and at city led events with citizen uptake at approximately 5715 signs
- **Road Safety Handbook** – a quick reference guide that can be offered to citizens outlining the various initiatives and programs within MoveSmart

Whether it be through the use of a road safety systems approach, emerging technology, traffic engineering measures, policy design, data management or education, all programs are aligned and contingent on making progressive changes throughout the

transportation network that will facilitate a safer and improved mobility experience for all road users.

Financial Impact

There are no financial impacts associated with this report.

Cost estimates for the various initiatives under MoveSmart continue to be further refined as projects evolve and are implemented. Additional funding will be requested through the City's annual budget process. Staff will continue to explore opportunities and other partnerships to help support the strategy's implementation over the next few years.

Broader Regional Impacts/Considerations.

Improving the safety and efficiency by which our citizens experience the transportation network is the overarching goal of MoveSmart.

The integration of road safety and mobility management systems, the coordination of services, policy development and data sharing across local municipalities and regional government will serve to create uniformity and consistency in decision making and assist in further enhancing a road network that is multi-functional and integrated. It will ensure coordination in programming development and outreach initiatives while demonstrating equitable transparent road safety measures are being utilized as required.

Staff continue their partnerships with the Regional Municipality of York by sharing data through a central traffic data management system and are also in a collaborative partnership in developing the Road Safety Strategic Plan. York Regional Police, York Region School Boards, York Region Public Health, and other City Departments continue to play a vital role in the development and implementation of initiatives within all four program areas of MoveSmart.

Conclusion

At the end of the second year, MoveSmart has made considerable progress on fourteen key initiatives and has met target deliverables.

Six new initiatives are set to launch in 2023, many of which will support internal partnerships. Key initiatives include the development of Curbside Parking Management, Construction Management and Work Zone Safety Plans, Traffic By-Law Consolidation, and the Pedestrian Infrastructure and Enhancement Plan. Traffic Data will continue to evolve as the latest technologies will be leveraged and community best practices considered. Data sharing and analytics will be instrumental in making evidence-based decisions and establishing policies which will guide the improvements throughout Vaughan's neighbourhoods and transportation network. This proactive approach will serve to enhance the daily experience of our citizens as they move throughout the City.

A vital factor to the success of MoveSmart's second year is the collaboration between internal and external partners and citizens.

Citizens will continue to have opportunities to shape the strategy and provide insight through their daily experiences navigating the road network. Many of the initiatives within MoveSmart are currently in the public and stakeholder engagement stages. Ensuring an equitable and transparent approach in developing new policies, utilizing suitable measures in the appropriate areas and leveraging the latest trends and technologies will reinforce the benefits of the strategy. The achievements realized in the second year of MoveSmart are a direct result of steadfast collaboration with vested internal and external road safety partners. Championing a vision for a safer and more sustainable transportation network is only achievable when all the partners share the same values and objectives.

Staff recommend that Committee receive the 2nd Annual MoveSmart Mobility Management report and presentation outlining the achievements to date as information.

For more information, please contact: Peter Pilateris, Director Transportation and Fleet Management Services ext. 6141.

Attachment

1. 2023 MoveSmart 2nd Annual Progress Report, March 1, 2023 (to be provided prior to the meeting).

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