

Smart City Task Force

Public Works & The Move Smart Mobility Strategy

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Public Works Portfolio



Transportation
and Fleet
Management
Services



Parks, Forestry
and Horticulture
Operations



Environmental
Services

Transportation and Fleet Management Services

2,200Lane km of roads
maintained**585,000**Average daily trips
enabled**59**Winter events in the
2019-2020 season**22,590**

Streetlights

112School Crossing
Guards at 67
schools**92**

Traffic Signals

635,000Meters of pavement
markings applied**468**Municipal Consent Applications
Approved**3,550**Road Occupancy Permits
Approved**252**

Traffic Surveys completed

2High Speed Fiber internet
network upgrades



Parks, Forestry and Horticulture Operations

204 Outdoor community events supported

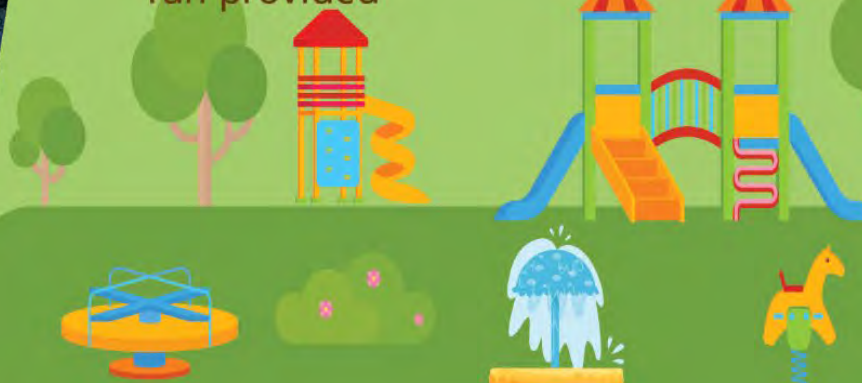
10,360 ha. of grass cut in parks and boulevard



78 facilities salted and plowed

275 Sports playing facilities maintained

1,265 Hours of splashing fun provided



1,190 km of sidewalks salted & plowed

785 Hanging baskets maintained

557 Planters maintained

3,506 Trees pruned

802 Shrub beds maintained



Environmental Services



more than

65%

88,000

tonnes of solid waste collected and more than avoided landfill



100%

MECP compliance rating



43

licensed operators



35

billion litres of safe, clean, drinking water delivered



39

watermain breaks repaired



2,400

water samples taken annually

200

blocked sewers and catch basins cleared



26

stormwater ponds rehabilitated

Stewardship of

\$2.2 Billion

In Assets

2

water booster stations

12

sanitary lift stations

143

stormwater ponds

889

km storm sewers

1,120

km watermains

8,900

fire hydrants

23,640

catch basins

210,852

sewer service connections

MOVESMART

Mobility Management Strategy





ROAD SAFETY PROGRAM

Increase road
safety and raise
public awareness



MOBILITY MANAGEMENT PROGRAM

Improve efficiency
through innovation
and technology



SUSTAINABLE MOBILITY PROGRAM

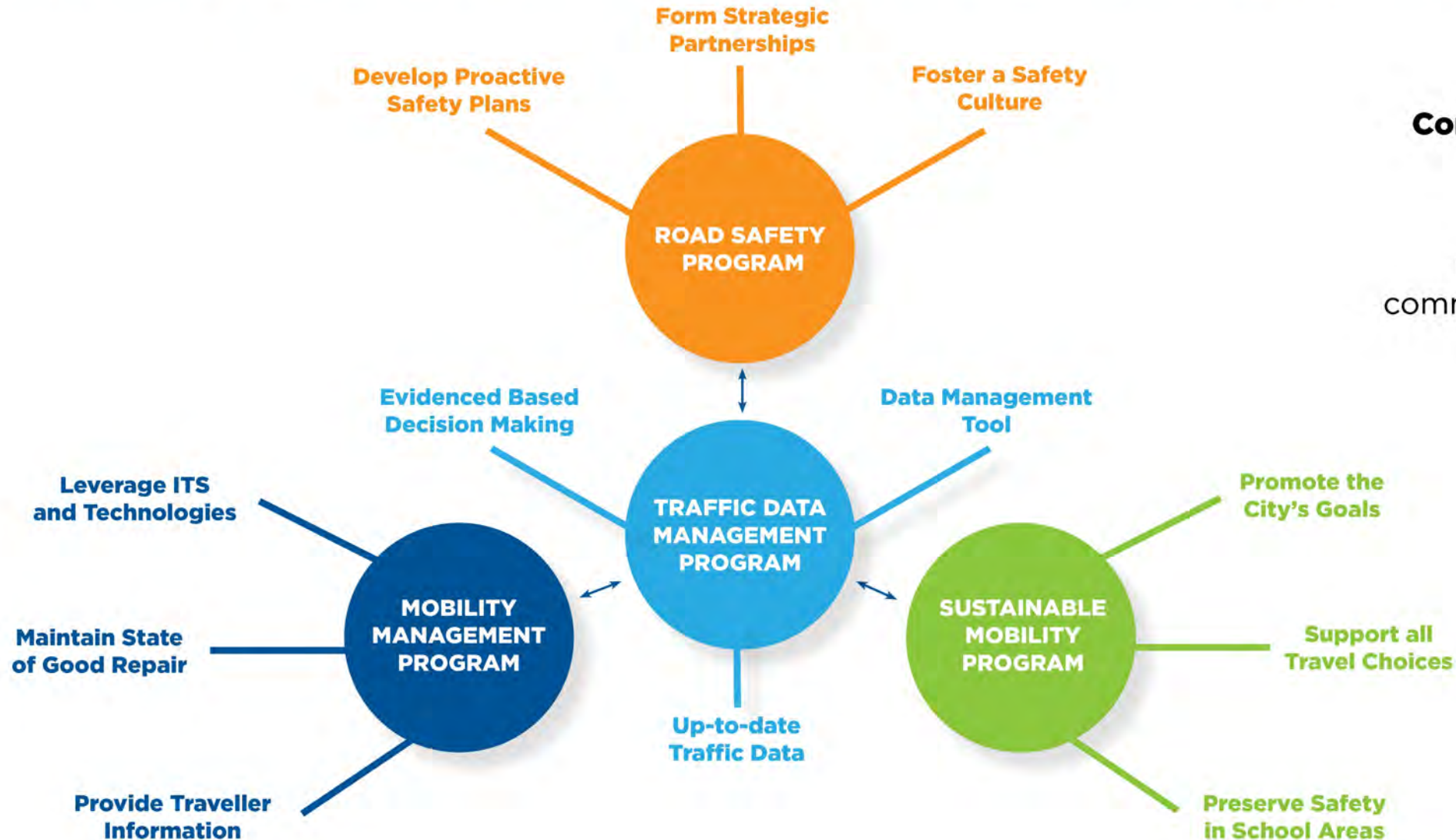
Support active
and sustainable
transportation



TRAFFIC DATA MANAGEMENT PROGRAM

Assure accuracy
and availability of
traffic data

Integrated Services and Plans



Communications and Public Awareness Initiative

Ongoing awareness of tangible benefits through communication and education



TRAFFIC DATA MANAGEMENT PROGRAM

Assure accuracy and availability of traffic data

2021/2022



Traffic Data Needs Assessment

Identify traffic data requirements to support the MoveSmart Strategy



Traffic Data Management System

Procure and implement a traffic data management system

2023



Traffic Data Services

Enhance the City's traffic data collection programs and contracts



ROAD SAFETY PROGRAM

Increase road safety and raise public awareness

2021/2022



In-Service Road Safety and Corridor Operational Review

Identify safety measures for priority locations, community areas and corridors



Neighbourhood Traffic and Speed Management Plan

Improve safety and livability of neighbourhoods by calming traffic

2023



Construction Management and Work Zone Safety Plan

Develop guidelines to minimize impacts and maximize safety for construction workers and the public



Road Safety Strategic Plan

Foster partnerships and a data driven approach for improving safety

2024



Network Screening and Annual Report

Prioritize safety resources for roads and intersections



Automated Speed Enforcement Plan

Use technology for enforcement in school zones and other community areas



Speed Compliance Plan

Address speeding behavior with feedback to drivers

2025



Low-Cost Safety Countermeasures Plan

Implement low-cost measures such as pavement markings, signage, etc.

2026



Rail Transportation and Safety Plan

Improve mobility while minimizing noise at crossings near residential areas



Heavy Traffic and Truck Routing Plan

Manage heavy vehicle and truck transport throughout the City



MOBILITY MANAGEMENT PROGRAM

Improve efficiency through innovation and technology

2021/2022



Traffic Signal Control System & Upgrades

Establish a traffic signal control system and upgraded field equipment



Pavement Markings and Signs

Replace and optimize markings and signs



Update Streetlights

Continue LED retrofit with smart adaptive features

2023



Traffic Signal Operations and Maintenance

Maximize the efficiency of traffic signal operations



Curbside Parking Management

Establish parking policies and procedures throughout the City



Traffic By-Law Consolidation

Consolidate the City's road-related by-laws



Intelligent Transportation System (ITS) Strategy and Plan

Establish a roll-out plan for existing and emerging smart mobility technologies

2024



Traveller Information Systems

Generate and present data to support travellers



SUSTAINABLE MOBILITY PROGRAM

Support active and sustainable transportation

2021/2022



School Crossing Guards

Manage the City's school crossing guard program



Safer School Zones Plan

Develop and implement safety measures near schools for traffic, pedestrians, and pick-ups/drop-offs



Input into Development Planning

Provide insights to help the City's planning for future development

2023



Pedestrian Infrastructure Enhancement Plan

Optimize and upgrade the City's pedestrian infrastructure



Creation of Community Safety Zones

Develop guidelines to create and operate community safety zones

2024



Cycling Network Expansion

Optimize and upgrade the City's cycling infrastructure



Travel Demand Management Plan

Share insights and decisions for the City's travel demand management plan

MOVESMART

Timelines and Resources



2020/2021

\$5.0M capital (approved)
\$2.4M annual operating (approved)

THANK YOU

