From Reactive to Proactive:

Modernizing our Approach to Traffic Management, Road Safety and Transportation Data

CEL

EBR

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Mississauga





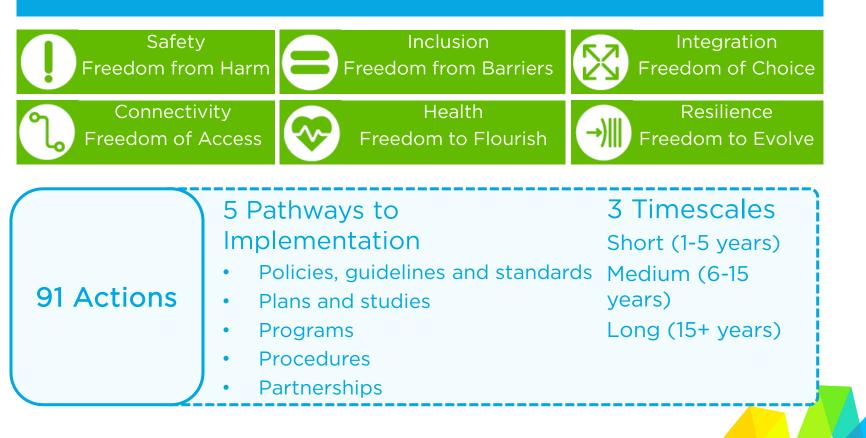
Why? Changing Practice to Meet Strategic Objectives



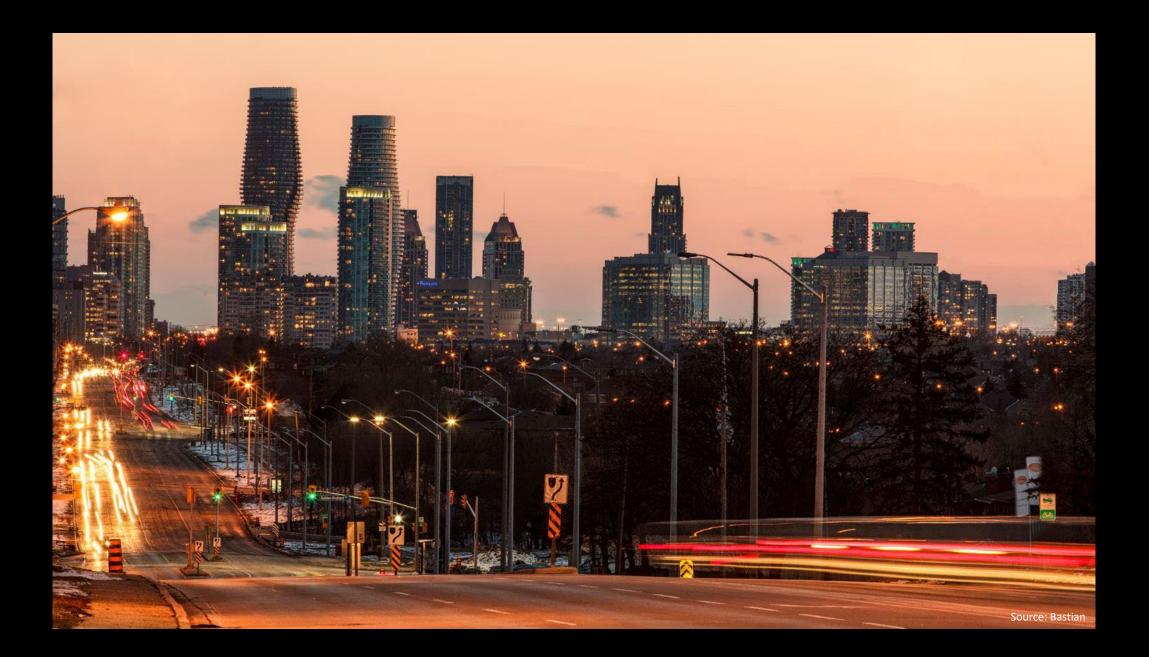


Mississauga's Transportation Master Plan

In Mississauga, everyone and everything will have the freedom to move safely, easily, and efficiently to anywhere at any time











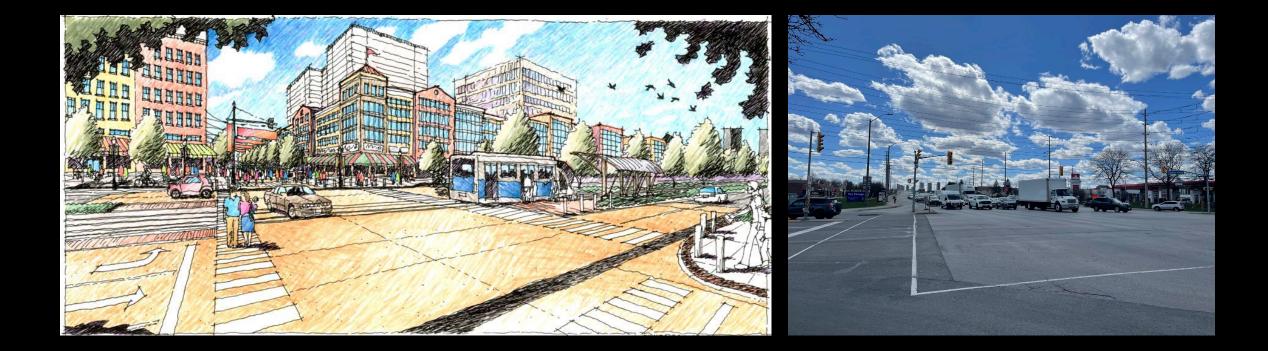
Tactical Urbanism: Credit Woodlands



Before



After





How?

Understanding Today's Activities to Change Tomorrow







How do we change today?



Manage our road network for people, not cars: A traffic management revolution



Make our road network safe for all users **Road safety where it counts**



Understand the needs of all road users: Driving change through data

Wish we could use new sources of data to improve our traffic count program

Wish we could make our major roads safer

Source: Bastian

13 Workstation 1 we could do more with our S traffic management centre

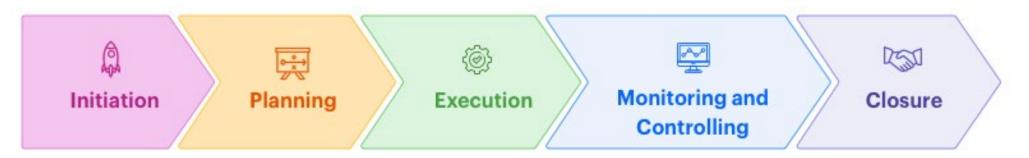
Wish we could more easily share and track collision patterns

Wish we had more people to do this

Source: Getty Images



Follow City PM Process



Project Charter	
Purpose	Risks
Objectives	Dependencies
Scope	Milestones
Steering Committees	Stakeholders
Working Teams	





Three Strategic Initiatives

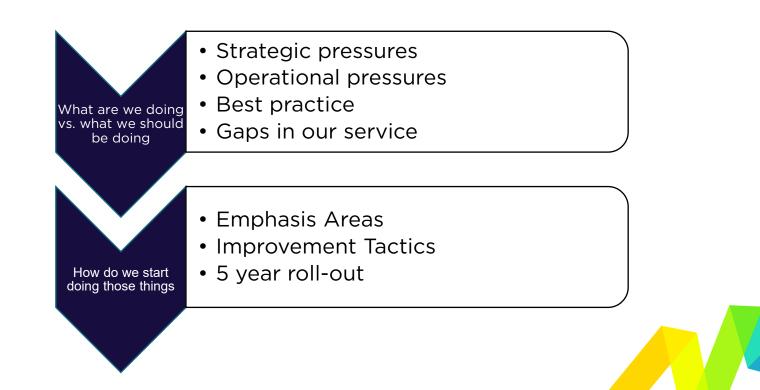
Traffic Management Plan



Arterial & Major Collector Road Safety Plan



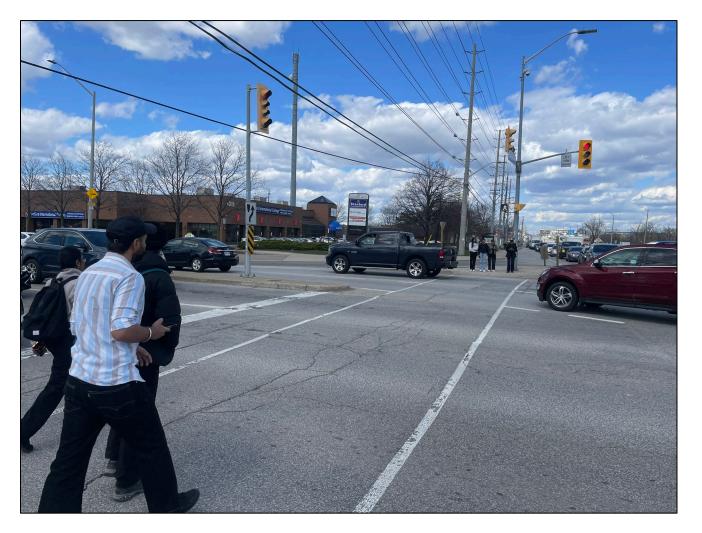
Transportation Data Plan

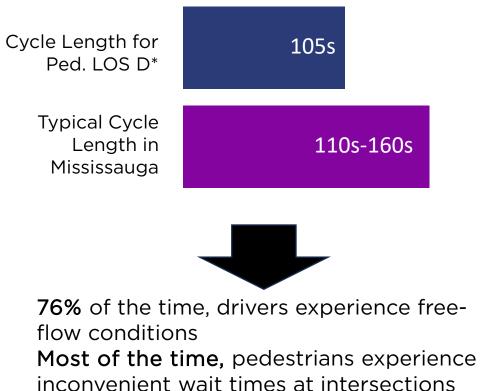






A Traffic Management Revolution



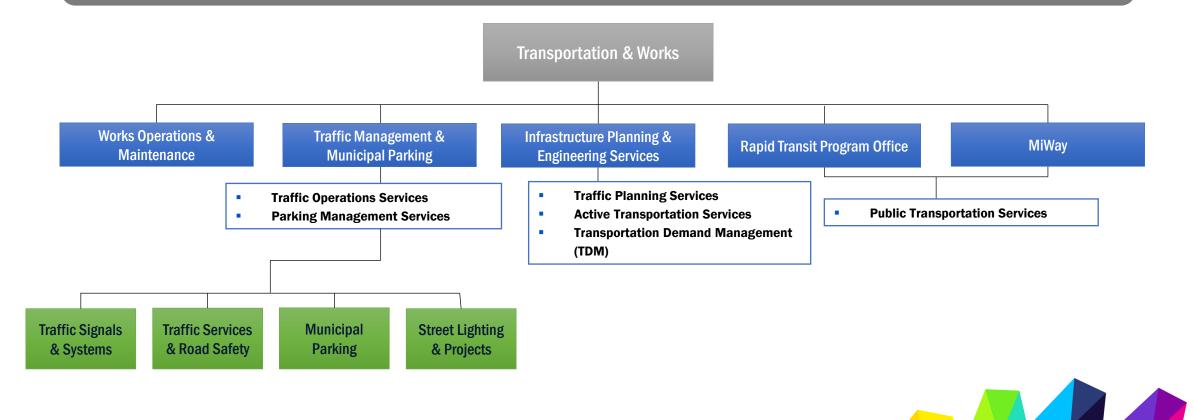


*OTC MMLOS Guidelines

Delivering Traffic Management:



Traffic Management is the process of controlling and regulating the movement of vehicles, pedestrians, cyclists, transit, and other forms of traffic to ensure the safe and efficient operation of transportation infrastructure and systems.





Emphasis Areas

Active Transportation	Transit Priority	Intersection Control	Incident Readiness	Manage Work Zones and Special Events Proactively







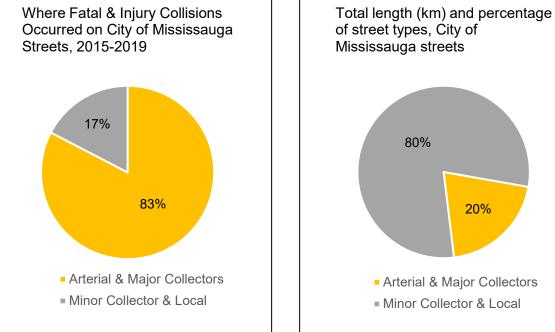


Road safety where it counts

Today: Neighbourhoods



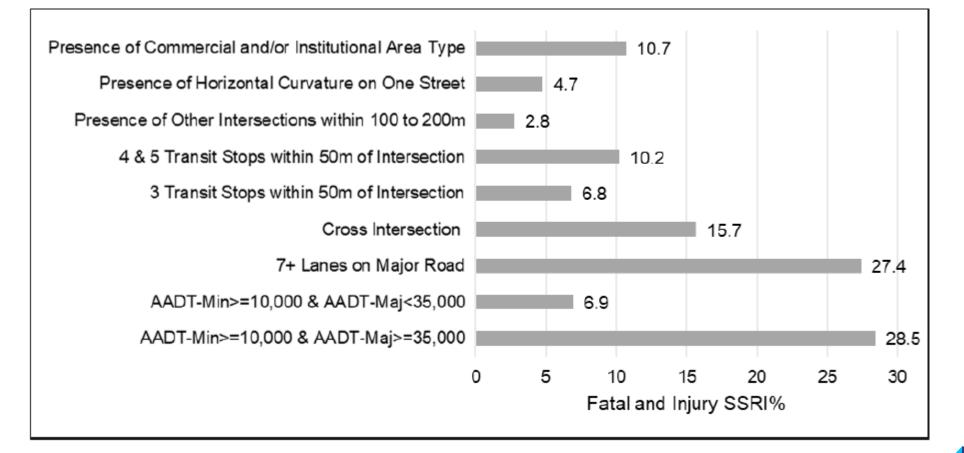
Tomorrow: Higher speed, higher volume roadways







What factors are associated with injuries and fatality collisions?





Standing up a data-informed approach:







Countermeasures

	Engineering	Enforcement	Education /Engagement	Total
Pedestrians	14			14
Cyclists	7			7
Intersections	16	1		17
Speed & Aggressive Driving	8	7	4	19
Distracted Driving	2	1		3
Total	47	9	4	60

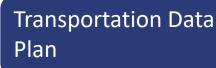




E.g.

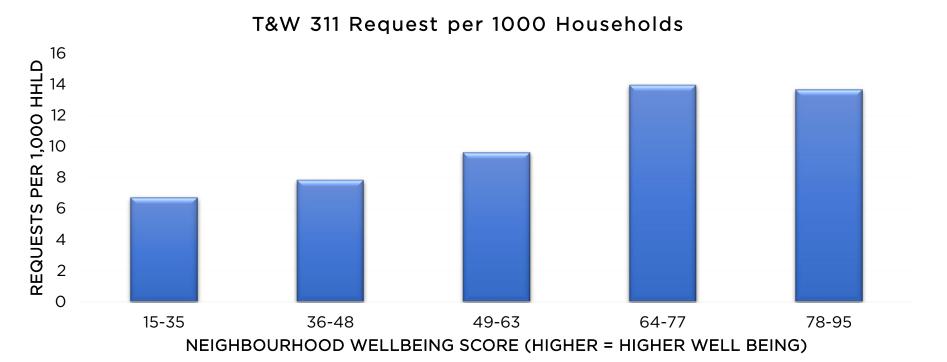
Countermeasure	Emphasis Area	# of Installations by 2028
No Right Turn on Red Restrictions	Collisions involving pedestrians	Top 40 Locations
Left Turn Calming	Intersections	Top 10 Locations
Additional Bicycle Signals	Collisions involving cyclists	Top 46 Locations
Red Light Cameras	Speeding & Aggressive Driving	Top 20 locations
Enhanced Pavement Markings	Distracted Driving	10km of roadway







Driving change through data



Households in census areas with the highest wellbeing score call or submit 311 requests almost twice as much when compared to areas with the lowest wellbeing score.





Our Gaps





DATA MANAGEMENT CAPABILITIES





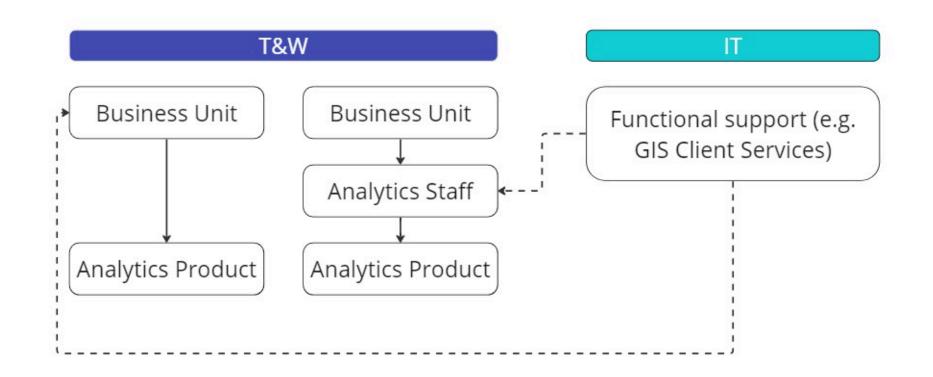
People First Solutions







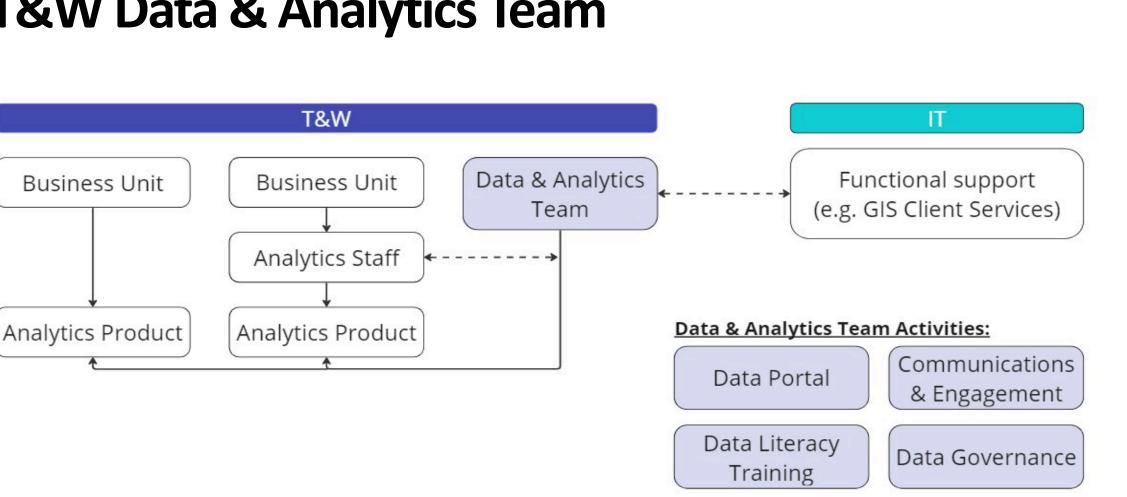
T&W Data & Analytics Today





Recommended **T&W Data & Analytics Team**

Business Unit







Key Take-Aways

- Infrastructure alone can't create a multi-modal future
- Leadership support is crucial: this is change management
- Doing planning work helps advocate for needs and can expand what staff are comfortable doing
- The hard part is understanding what we're doing today





Questions?

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