



Re: PW14.1

Road Safety Plan

Public Works and Infrastructure | June 2016

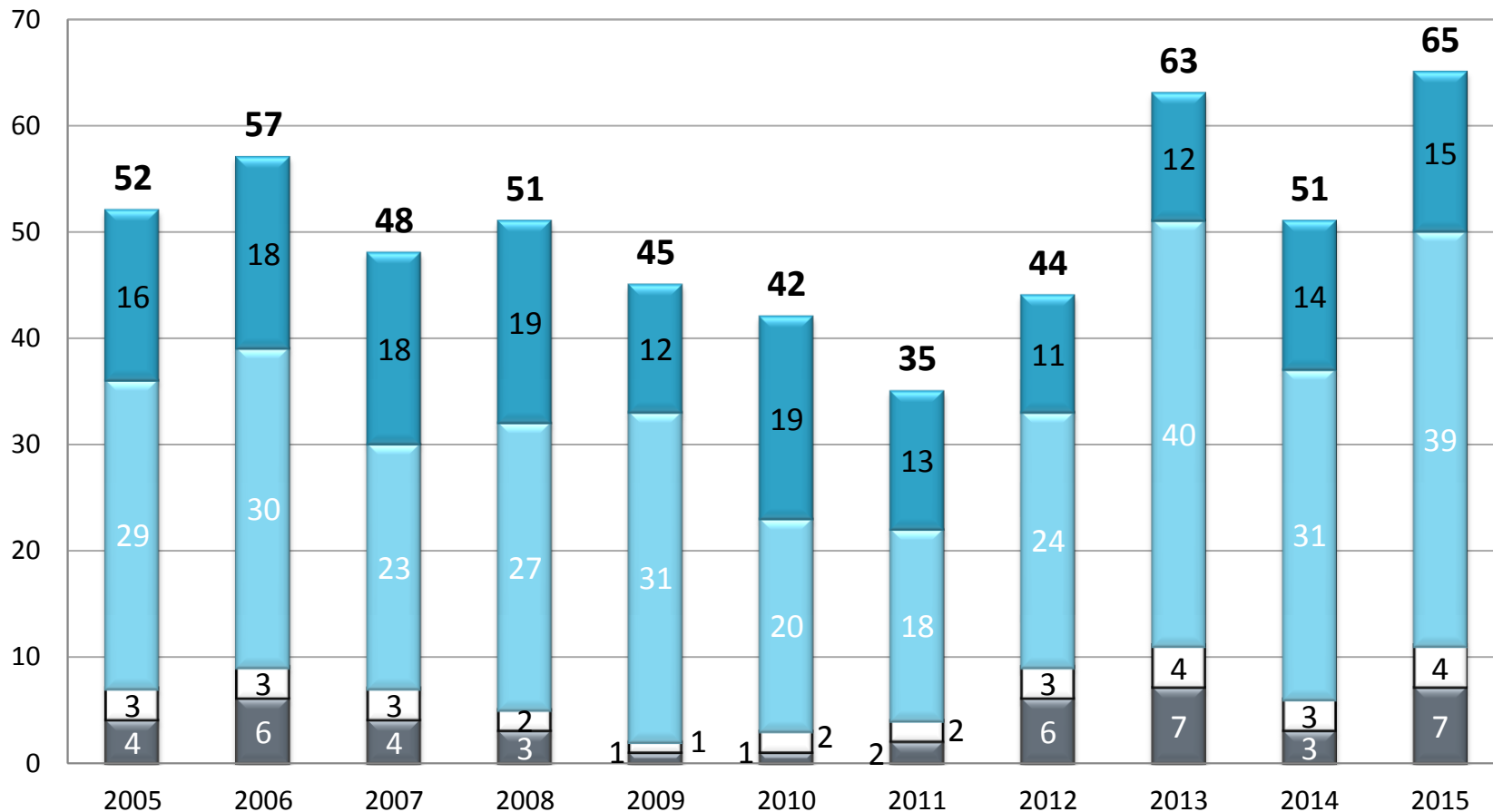
The Need

- While overall collisions have trended down since the early 2000s, there is more to be done.
- Of particular concern, fatalities for vulnerable road users (pedestrians, cyclists) have trended up in recent years.
- The Road Safety Plan aims to bring forward a targeted, strategic program aimed at increasing road safety for all users.

The Need

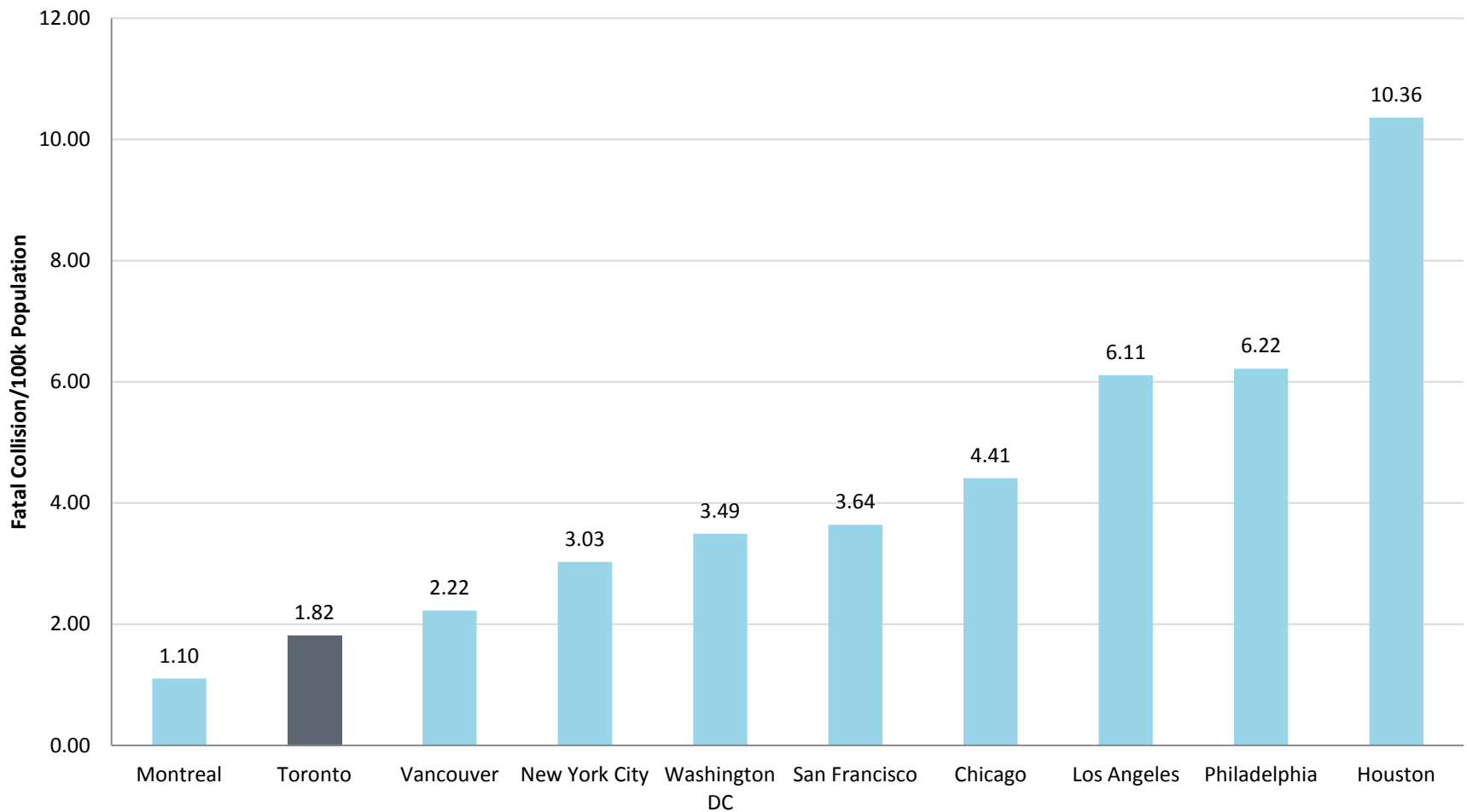
Traffic Fatalities in Toronto, 2005-2015

Motorcycles Cyclists Pedestrians Motor Vehicle Only



Peer Jurisdictions

Fatal Collisions per 100k Population (2014)



Vision and Goal

A plan to reduce the number of fatalities and serious injuries

VISION

The City of Toronto, with the commitment of all partners, aims to eliminate all fatalities and serious injuries on city streets to create a safe and healthy city.

GOAL

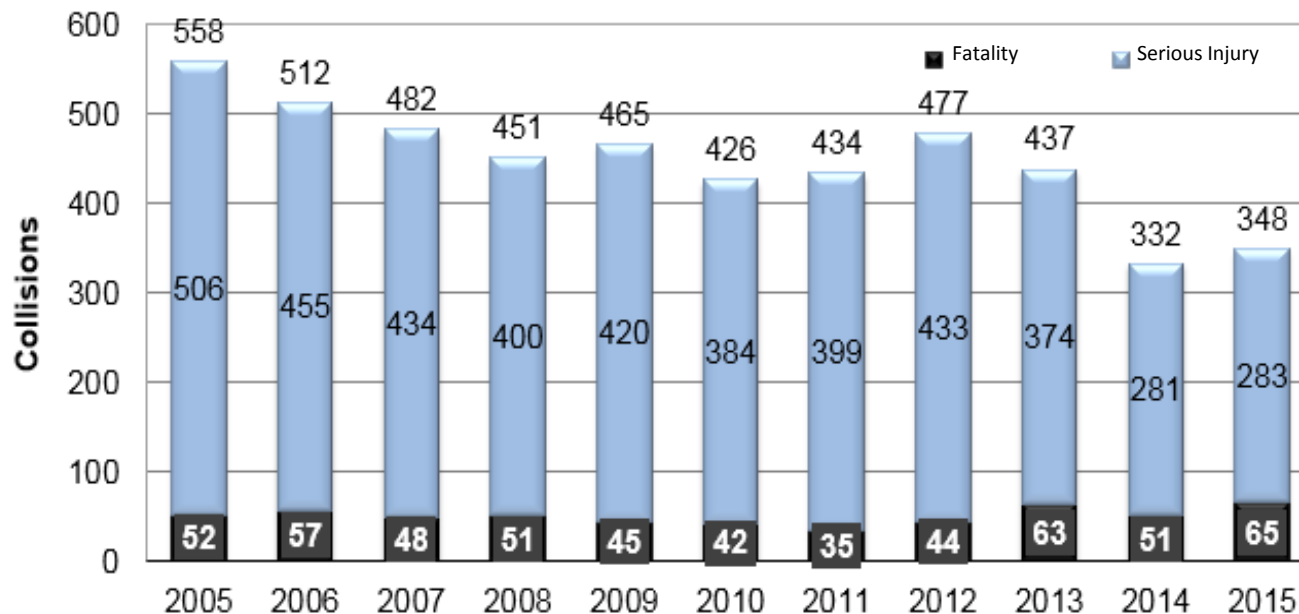
20% reduction in the number of people either killed or seriously injured due to collisions by 2026

Vision and Goal

- The Road Safety Plan must be measurable and achievable.
- While this plan envisions 5 years of investment, it may take additional time for benefits to be realized.
- In line with majority of peer Cities

Shift to KSI

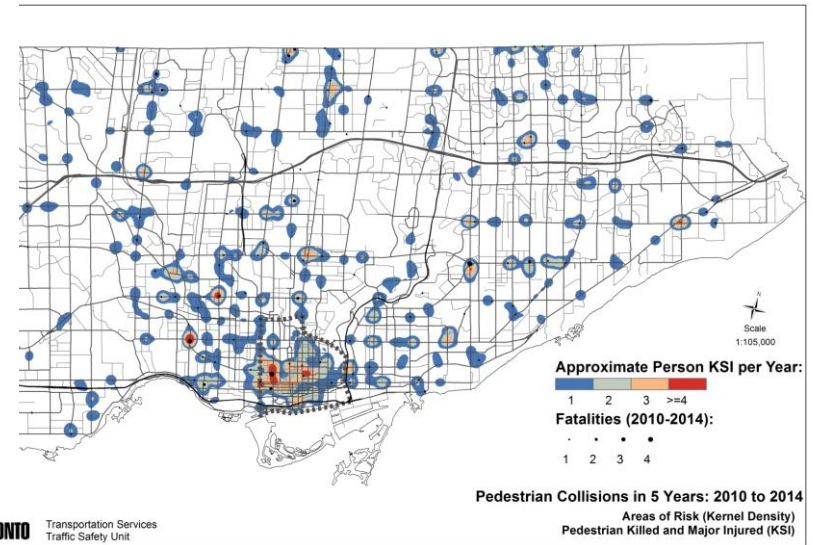
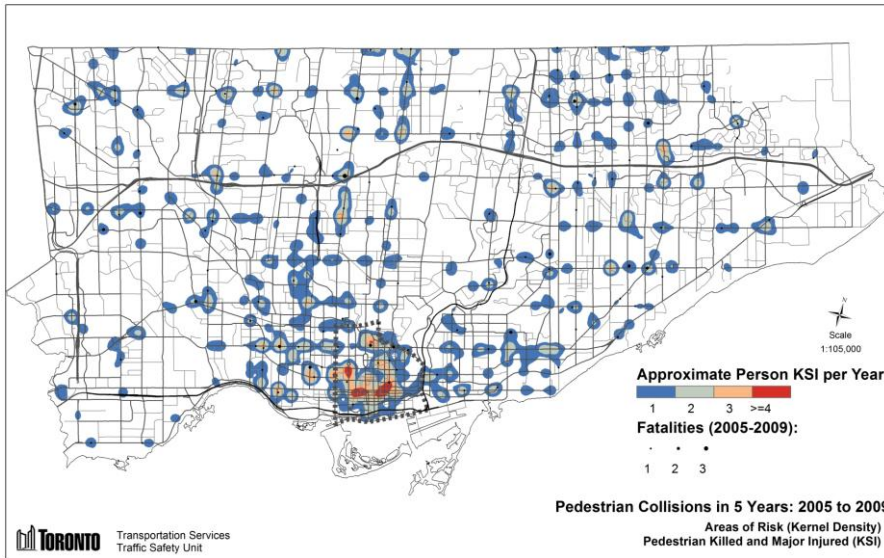
- The RSP's primary goal is to reduce the number of “Killed and Seriously Injured” (KSI) events



- KSI puts the focus on collisions where societal costs are highest.

Geospatial Analysis and Trends

- Mapping of the KSI Collisions and following the trends



- Determine the Emphasis Areas and targeting countermeasures where we have the highest likelihood of reducing risk

Emphasis Areas

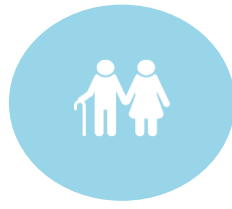
- 5 emphasis areas have been identified through a combination of data analysis, public input and Council direction.



Pedestrians



School Children



Older Adults



Cyclists



Aggressive Driving
& Distraction

Full Program List

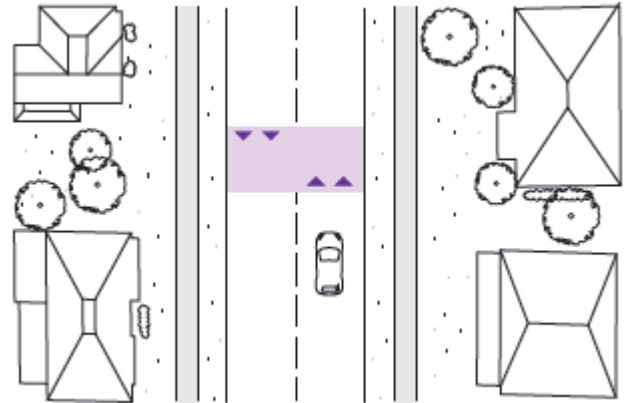
No.	Projects / Initiatives	Emphasis Area				
		Pedestrians	School Children	Older Adults	Cyclists	Aggressive Driving & Distraction
A. Key Existing Road Safety Countermeasures						
1	Geometric Safety Improvements (Traffic Safety Unit)	S	S	S	S	P
2	Transportation Safety and Local Improvements Program (TSUP)	S	S	S	S	P
3	Accessible Pedestrian Signals (APS)	P	S	S		
4	Traffic Calming	S	S	S	S	P
5	Annual Sidewalks Capital Program	P	S	S		
6	Reduced Speed Limits on Local and Collector Roads in TEY	S	S	S	S	P
B. Proposed New Countermeasures (RSP 2017-2021)						
7	Pedestrian Safety Corridors	S	S	S	S	P
8	Pedestrian Street Lighting Improvements	P	S	S	S	
9	Automated Pedestrian Detection	P	S	S		
10	Pavement Marking Improvements	P	S	S	S	S
11	Accessibility Improvements	P	S	S		
12	Automated Enforcement Advocacy and Pilot		P			S
13	Creation of "School Safety Zones"		P			S
14	School Zone Reviews and Enhancements		P			S
15	Increase Older Adult Crossing Times	S	S	P		
16	Support New Senior Citizens Strategy			P		
17	Advanced Green for Cyclists (Leading Cyclist Interval)				P	S
18	Transportation Services Program Delivery (13 FTEs)	S	S	S	S	P

Full Program List

No.	Projects / Initiatives	Emphasis Area				
		Pedestrians	School Children	Older Adults	Cyclists	Aggressive Driving & Distraction
C. Proposed Enhanced Countermeasures (2017-2021)						
19	Education and Awareness Initiatives (All Emphasis Areas)	P	P	P	P	P
20	Advance Green for Pedestrians (Leading Pedestrian Intervals)	P	S	S		
21	New Corner Radius Design	P	S	S	S	S
22	No Right-Turn-On-Red Prohibition	P	S	S	S	S
23	Accessible Pedestrian Signals (APS)	P	S	S		
24	Missing Links Sidewalk Program	P	S	S		
25	School "Watch Your Speed" Program	S	P			S
26	School Crossing Guard Program	S	P			S
27	School Travel Planning (STP) and Active and Safe Routes to School	S	P			
28	New Mid-Block Crossings	S	S	P	S	
29	Reduced Crossing Distance	S	S	P		
30	Sidewalk Extensions	S	S	P		
31	Automated Cyclist Detection				P	
32	Signalized Crossings for Cyclists				P	
33	Enhanced Cycling Facilities				P	
34	Traffic Calming Guide for Residents	S	S	S	S	P
35	Mobile "Watch Your Speed" Program (WYSP)	S	S	S	S	P
36	Geometric Safety Improvements	S	S	S	S	P
37	LED Blank Out Signs	S			S	P
38	Road Safety Audits at High-Risk Locations	P	S	S	S	S
39	Enhanced Data Analysis and Reporting	S	S	S	S	P
40	Enhanced Data Collection (Permanent Count Stations)	S	S	S	S	P

Existing Programs

- The City of Toronto has made significant investments in Traffic Safety. Existing dedicated safety initiatives include:
 - Red light camera program (\$3.8 mil/a)
 - Geometric Safety Improvements (\$2.0 mil/a)
 - TSLIP Program (\$1.0 mil/a)
 - Accessible Pedestrian Signals (\$2.0 mil/a)
 - Traffic Calming (\$.3 mil/a)
 - Sidewalks Capital Program (\$1.9 mil/a)
 - TEY Speed Limit Reduction (\$1.0 mil/a)



Existing Programs – Embedded Initiatives

Additionally, the City of Toronto has approximately 20 additional programs, with an annual investment of over \$30 million, that have safety elements embedded:

- New traffic control devices
- Pedestrian crossover enhancements
- Retimed traffic signals to accommodate seniors and persons with mobility issues
- Installation of tactile warning plates at intersection crossings
- Enhanced winter sidewalk maintenance in high priority pedestrian areas and pm a priority network of cycling facilities
- Mobile "Watch Your Speed" program
- Installation of Uninterrupted Power Supply (UPS) at signalized intersections

Existing Programs – Embedded Initiatives

Additionally, the City of Toronto has approximately 20 additional programs, with an annual investment of over \$30 million, that have safety elements embedded:

- "Please Slow Down" safety campaign
- School zone "Watch Your Speed" pilot
- 10 Year Cycling Plan
- Green pavement cycling markings
- LED "No Left Turn" signs
- Installation of reflective backboards on traffic signal heads
- Addressing backlog of sidewalk repairs
- Additional investment in arterial resurfacing
- Expressway Patrol feasibility study
- Traffic Assistance Personnel pilot

Next Steps

- Bring back additional information on the Plan before full Council
- Look for opportunities to advance the planning and implementation of programs in 2016 and for 2017



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