

Cycling Advisory Committee

Report

The 4th Meeting of the Cycling Advisory Committee
March 21, 2018
Committee Room #4

Attendance PRESENT: D. Mitchell (Chair), D. Doroshenko, R. Henderson, J. Jordan, W. Pol, R. Sirois, A. Stratton, D. Szoller and M. Zunti and H. Lysynski (Acting Secretary).
 ALSO PRESENT: E.L. Conway, Sergeant S. Harding, D. MacRae, A. Miller, E. Soldo and J. Stanford.

The meeting was called to order at 4:12 PM.

1. Call to Order

1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

2. Scheduled Items

None.

3. Consent

3.1 3rd Report of the Cycling Advisory Committee

That the 3rd Report of the Cycling Advisory Committee, from its meeting held on February 21, 2018, BE AMENDED in clause 9 by deleting the words "Bike Fest" and by replacing them with the words "London Celebrates Cycling".

3.2 Municipal Council Resolution - Appointment to the Cycling Advisory Committee

That it BE NOTED that the Municipal Council resolution adopted at its meeting held on March 6, 2018, with respect to the appointment of R. Sirois to the Cycling Advisory Committee as a Voting Member, was received.

3.3 Municipal Council Resolution - 1st Report of the Cycling Advisory Committee

That it BE NOTED that the Municipal Council resolution adopted at its meeting held on January 16, 2018, with respect to the 1st Report of the Cycling Advisory Committee from its meeting held on December 20, 2017, was received.

3.4 Municipal Council Resolution - 2nd Report of the Cycling Advisory Committee

That it BE NOTED that the Municipal Council resolution adopted at its meeting held on February 13, 2018, with respect to the 2nd Report of the Cycling Advisory Committee from its meeting held on January 17, 2018, was received.

3.5 2018 Ontario Municipal Commuter Cycling (OMCC) Program

That it BE NOTED that the report dated March 19, 2018, from K. Scherr, Managing Director, Environmental and Engineering Services & City Engineer, with respect to the 2018 Ontario Municipal Commuter Cycling (OMCC) Program, was received.

3.6 Notice of Application - Paramount Developments (London) Inc. - 809 Dundas Street

That it BE NOTED that the Notice dated February 21, 2018 from S. Wise, Planner II, with respect to the application by Paramount Developments (London) Inc., relating to the property located at 809 Dundas Street, was received.

4. Sub-Committees and Working Groups

None.

5. Items for Discussion

5.1 Share the Road Conference - Verbal

That the following actions be taken with respect to Cycling Workshops and Conferences:

- a) a policy BE ESTABLISHED whereby the Cycling Advisory Committee will provide up to seventy-five percent of funding to a maximum of \$300.00 on an annual basis, for any Members wishing to attend a Workshop or Conference; and,
- b) the expenditure of \$300.00 BE PROVIDED to R. Henderson to attend the Share the Road Cycling Coalition 2018 Ontario Bike Summit Conference, being held in Toronto from April 16 to 18, 2018; it being noted that R. Henderson will report back on the Conference at the next Cycling Advisory Committee meeting. (See attached information on the 2018 Ontario Bike Summit Conference.)

5.2 2018 Work Plan

That consideration of the 2018 Work Plan BE POSTPONED to the next Cycling Advisory Committee meeting.

5.3 Accidental Cycling Fatalities in Ontario: A Six-Year Retrospective Chart Review from 2010-2015

That it BE NOTED that the Cycling Advisory Committee heard the attached presentation and reviewed and received the attached Accidental Cycling Fatalities In Ontario: A Six-Year Retrospective Chart Review from 2010 to 2015, from R. Henderson.

6. Deferred Matters/Additional Business

6.1 London Celebrates Cycling

That it BE NOTED that the Cycling Advisory Committee heard a verbal presentation from J. Stanford, Director, Environment Fleet and Solid Waste, with respect to the London Celebrates Cycling events being held in June, 2018.

7. Adjournment

The meeting adjourned at 6:35 PM.

Ontario Bike Summit



REGISTRATION IS NOW OPEN for the 10th Annual Ontario Bike Summit!

April 16, 17 & 18, 2018

InterContinental Toronto Centre (on Front St)

[Click here to view our 2018 Agenda \(Draft\)](#)



Our accommodation room block at the **InterContinental Toronto Centre** has sold out. Additional accommodation at the same reduced rate has been reserved at the nearby **Strathcona Hotel**, located at 60 York Street.

About the 10th Annual Ontario Bike Summit

We are particularly excited because the 2018 Ontario Bike Summit is also the 10th edition of the event. And we have a lot to celebrate! Registration is now available online and we hope that you will join us. Our summit agenda will include:

- Pre-Summit Cycling Education Delivery Design Workshop;
- Bike tours, brought to you by WSP Canada, of Toronto's cycling infrastructure;
- The always popular Bicycle Friendly Communities Seminar;
- Bicycle Friendly Community Awards and 10-Year Impact Awards;
- Keynote addresses from The Honorable Kathryn McGarry Minister of Transportation (invited) and The Honourable Daiene Vernile Minister of Tourism, Culture and Sport (invited);
- Keynote address by Dale Bracewell, Manager of Transportation Planning with the City of Vancouver;

- Opportunities to discuss innovative infrastructure design at the Association of Pedestrian and Bicycle Professionals (APBP) workshop;
- A new "Advocacy College" workshop;
- A panel discussion focused on rapid implementation of connected cycling networks;
- Breakout sessions looking at the importance of Master Plans, data collection best practices, bike equity, cycling tourism and learning from pilot projects;
- Launch of our 10 Year Impact Report;
- and more to come!

A full draft agenda is available at the above web link. We received over 50 abstract submissions this year, so the agenda is jam packed with inspiring best practices. We are expecting over 300 delegates to participate this year at our new venue in the heart of downtown Toronto.

We thank our sponsors for making this possible



With support from







1.2 million adults
Cycle daily in Ontario in warm weather (OMT, 2016)


4,324 Canadians hospitalized
(Canadian Institute for Health Information, 2011)

57 cycling fatalities per year
(Transport Canada, 2016)



Outline

1. Characterize the context of cycling fatalities in Canada
2. Introduce the research methodology
3. Describe the research findings
4. Map recommendations on London's Road Safety Strategy 2014 - 2019



Canadian fatal cycling research

2012
2006 – 2010 (n=129)
Ontario, Office of Chief Coroner

2015
1998 – 2011 (n=101)
Alberta (Rowe, et. al)

2018
2010 – 2015 (n=131)
Ontario (Henderson, et. al)

Retrospective Chart Review: Methodological considerations



1. Well-defined, clearly-articulated research question
What are the factors that contribute to the crash and fatality of the cyclist?

5

Retrospective Chart Review: Methodological considerations



1. Well-defined, clearly-articulated research question
What are the factors that contribute to the crash and fatality of the cyclist?
2. Sampling-size Population
3. Standardized abstraction forms
4. Train and monitor data abstractors
5. Confidentiality and ethics

7

Theory: Haddon Matrix



	Cyclist	Driver	Physical Environment	Social Environment	Counter-measures
Pre-event	Substance use	Speeding	No Bikeline present	License	Infrastruc Education
Event (crash)	Helmet	Inattention	Obstruction	Tension btn mv/cyc	Mandatory helmets
Post-event	Ambulance response time	Witness statement	Scene photographs	Substance test	Cycling collision report

6

Charts included:

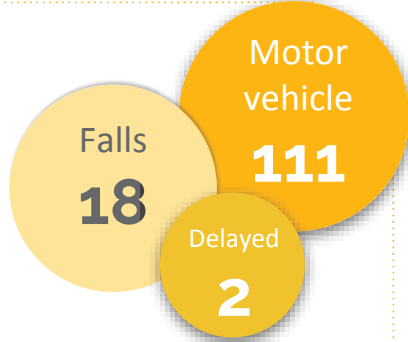


- Driver statements
- Eyewitness accounts
- Collision reconstruction reports
- Coroner reports
- Pathologist reports
- Newspapers-of-record
- Scene photographs

8

165 total

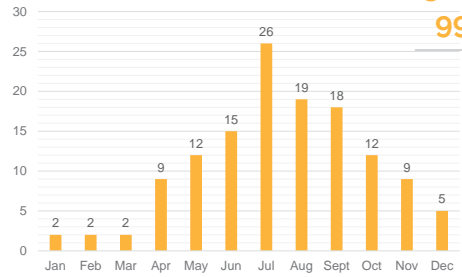
- 25** Natural causes
- 6** Undetermined
- 2** Homicide
- 1** Out-of-country



Fatalities by month



63/131 (Jul, Aug, Sept)
99/131 (Apr – Sept)



Environmental risk factors

Motor vehicle and fall collisions time of day distribution



131



- 64**
- 11**
- 43**
- 13**



Cyclist risk factors: substance use

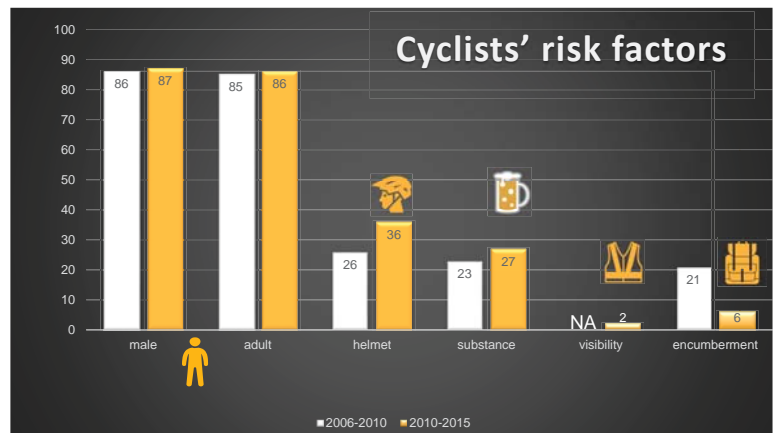


- Toxicology performed on 130/131 cyclists
- **34/130** tested positive for drugs and/or alcohol
- 32/34 cyclists were male

(Aside: Only 11/111 motorists were tested; 10 had alcohol and/or drugs in their system)

Cyclist risk factors

- Helmets
 - Cyclists wore helmets in **42/116 (36%)** cases
 - None of the 12 children wore helmets
- Visibility aids
 - Police recorded clothing/visibility aids in **31/131** cases
 - 7 police reports mention reflectors (4), bicycle lights (3) or a bell (1); **3** cyclists wore retro-reflective clothing
- 14 reports included information about cyclist distraction





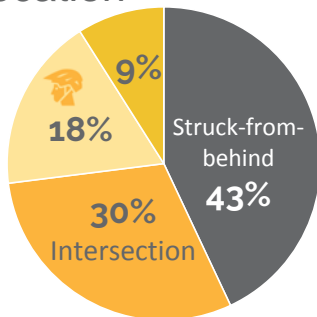
Collision details motor vehicle

Struck-from-behind **48/111** Intersection **33/111**



- low visibility (night, early morning, late evening, dusk) (24)
- Daylight (22)
- Time unknown (2)
- cyclist running a red light / stop sign, failed to yield (15)
- driver running a red light / stop sign, failed to yield (12)
- cyclist struck little detail at intersection (6)

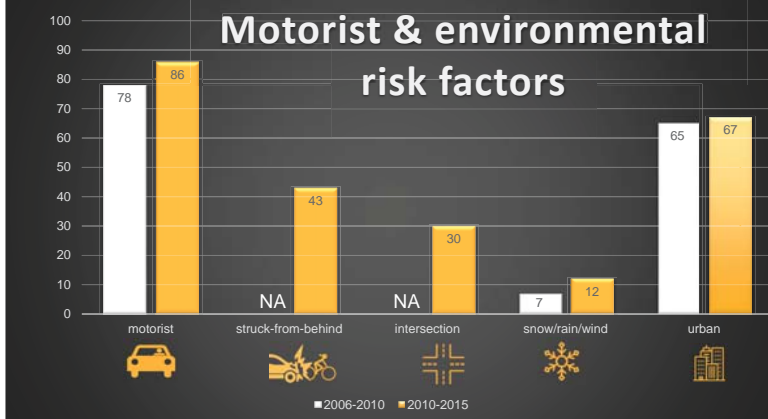
Classification of location

- Struck-from-behind 48/111
- Intersection 33/111
- Cyclist not following traffic rules 20/111
- Motorist not following traffic rules 10/111



Environmental conditions

- Weather  67%
 - Police recorded weather in **55/131** cases
 - Rain (10), snow (1), high wind (1)
- Collision location  33%
 - **122/131** occurred in Southern Ontario;
 - **9/131** Northern Ontario
 - Rural fatalities **43/129**; Urban **86/129**



Key findings



2006 – 2010

1. Helmet use all ages
2. Drugs and alcohol
3. Distracted cycling
4. Sharing the road

2010 – 2015

1. Helmet use all ages
2. Drugs and alcohol
3. Visible clothing
4. Struck-from-behind (i.e. not intersection)



Recommendation #1 Mandatory helmets for all ages



London Road Safety Helmets Countermeasures



- Helmet use for those under 18yrs (London Police, Enforcement)
- Helmets on Kids Campaign, Bicycle Helmet Education and Promotion (MLHU, Education)
- Role-modelling helmet use (South West Injury Prevention Network)
- Helmets on Kids Partnership, Helmet Giveaway Program (LHSC)
- Leaflet presenting hand signals and proper helmet fitting (City of London, Transportation)

25

London Road Safety Substance Use Countermeasures



- Education campaign - Distracted and Impaired (Young Drivers)
- Education related to distracted driving, impaired driving by alcohol and drug in secondary schools (London Police)
- Education campaign – distracted driving (LHSC)
- Education and enforcement opportunity
 - Discourage impaired cycling in education material
 - Consider increased roadside testing for motorists involved in cycling fatal or injury collisions

27

Recommendation #2 Never use alcohol or drugs while cycling



26

Recommendation #3 Encourage cyclists to wear fluorescent and retroreflective clothing



28

London Road Safety Conspicuity Countermeasures



- Pedestrians “Be Safe Be Seen” (LHSC)
- “Be Safe Be Seen” cyclists and pedestrians visibility message (MLHU)
- Educational opportunity:
 - Encourage cyclists to wear fluorescent materials in daylight; fluorescent and reflective clothing in low light; and retroreflective clothing, and ankle and knee highlights at night.

29

London Road Safety One-metre passing law Countermeasures



- Share the road signage and educational project in the city of London and Middlesex County (MLHU)
- Education and enforcement opportunity:
 - Build motorist awareness of one-metre passing law
 - Educate motorists about the risks associated with passing cyclists without enough space
 - Encourage policing of the one-metre law

31

Recommendation #4 Enforce the one-metre passing law to prevent hitting-from-behind



30

Acknowledgements

Ontario Office of the Chief Coroner

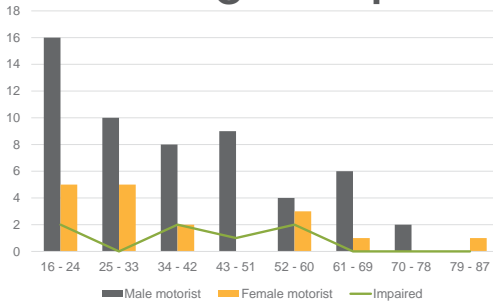
Cyclists who have died and their families

Supervisors: Drs. Andrew Johnson and Jacob Shelley

Co-authors on the manuscript: Jacob Shelley, Jeffrey Holmes, Harpreet Bassi, Michael Robinson, Daryl Stephenson, James J Young, Andrew Johnson



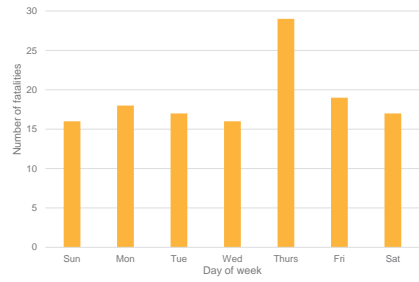
Motorist age & impaired



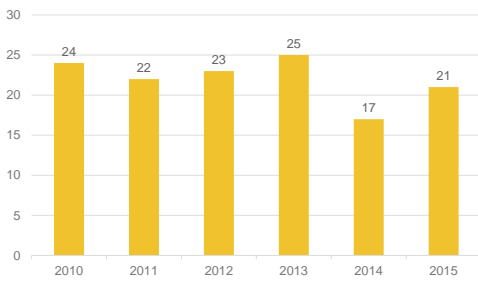
72/111
Police age recorded

7/10
Police age recorded impaired

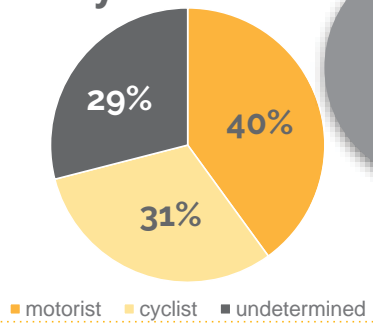
Fatalities by day of week



Fatalities by year



Contributory actions



/111