



Community Traffic Safety Meetings in Calgary

CARSP Conference 2017

City Wide Road Safety Plans Session

June 19, 2017

A.E. (Tony) Churchill, M.Sc., P.Eng.
Leader of Traffic Safety





Overview of the Calgary Safer Mobility Plan

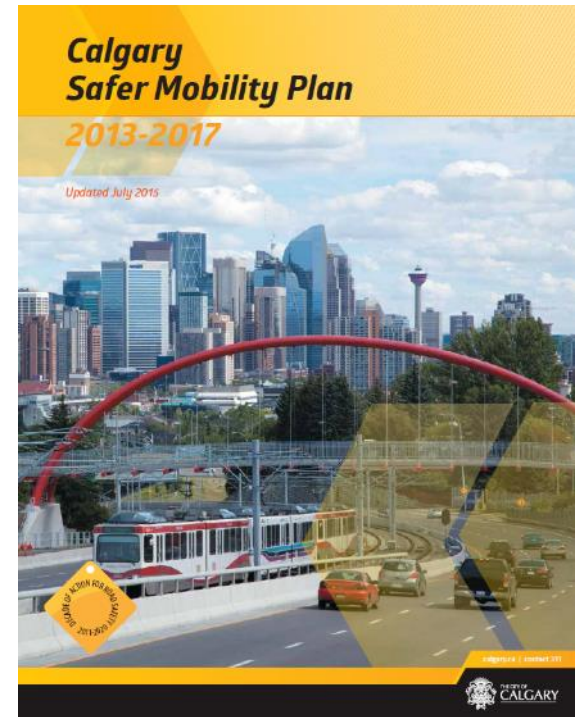
- Five year plan
- Based on Calgary Data
- Targets in five Focus Areas
- 11 Strategies with actions
- Partnership & Collaboration

Vision:

- Safe Mobility for all Users

Mission:

- Striving for zero... pursuing transportation completely free of fatalities and injuries.

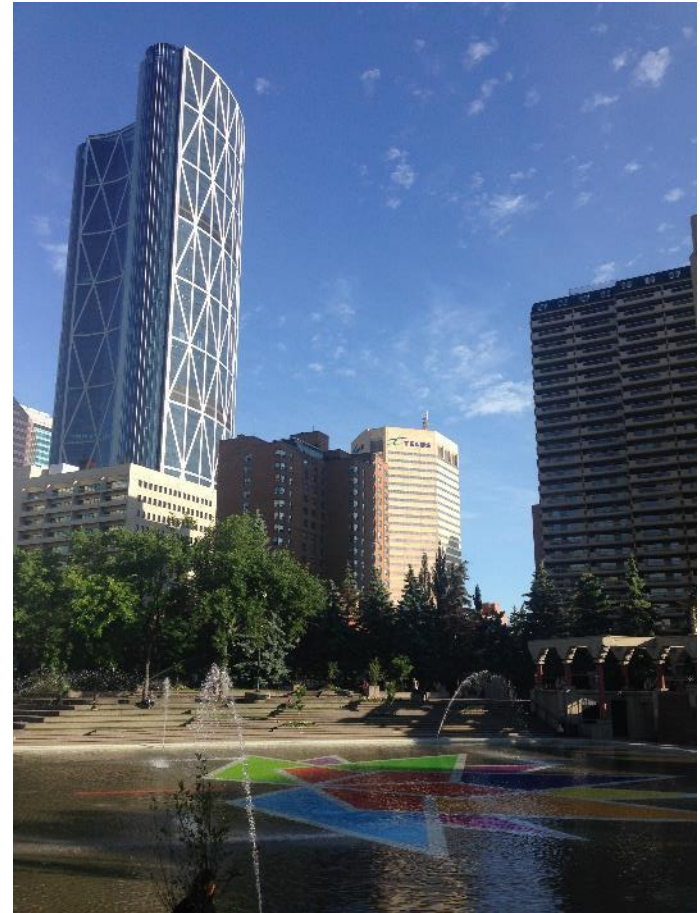


Available on Calgary.ca
2018 plan will include larger focus on Vision Zero



Collisions in Calgary in 2015

- Societal cost estimate of \$1.02 B
- 22 Fatal, 2,504 Injury,
34,279 non-injury Collisions
- 205 casualty collisions / 100,000
pop. (National: 316/ 100,000 pop.)
- On track for all targets except
'Vulnerable Road Users'; continued
effort needed in these areas and
intensified effort needed for safety of
cyclists and motorcyclists.





Getting the word out and bringing communities together

Druh Farrell @DruhFarrell

ICYMI: Ward 7 Pedestrian & Traffic Safety Open House. Feb 16 6:30-8:30pm. Red & White Club 1833 Crowchild Tr NW. #yycwalk #yycbike

Retweets 12 Likes 3

10:35 AM · 9 Feb 2017

cascaertheightyyc, Brentwood Calgary, Trilwood Community and 7 others



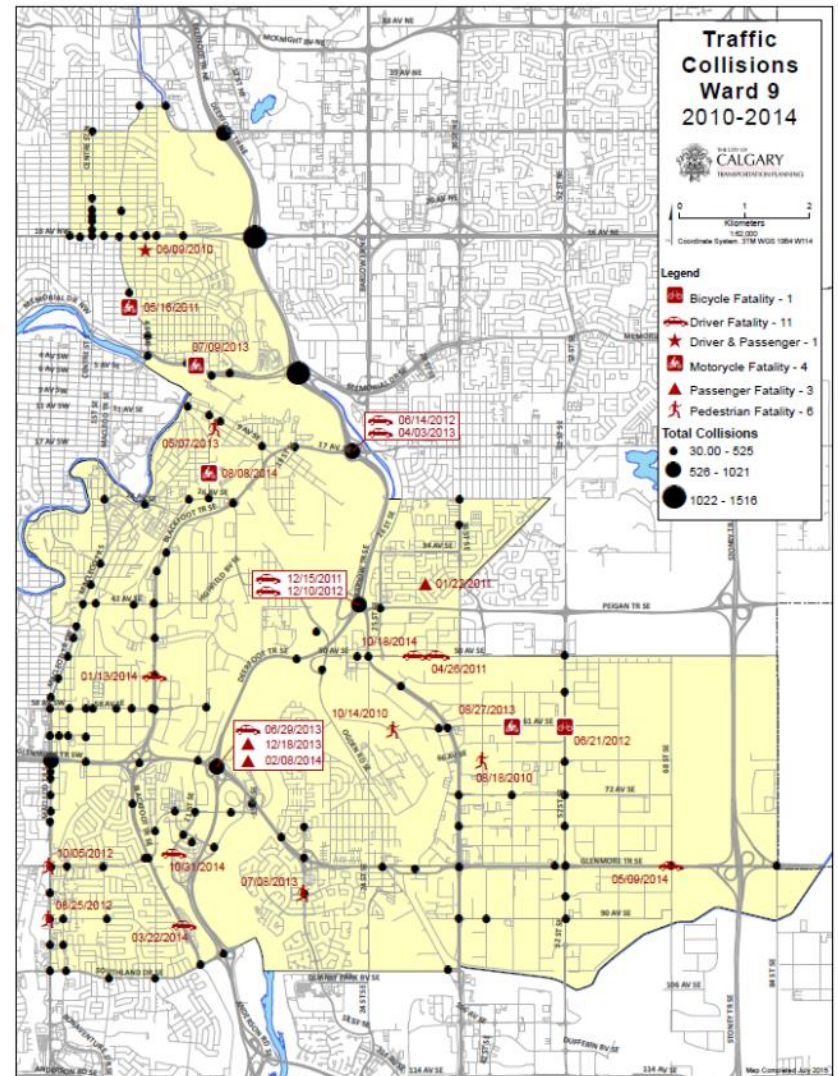
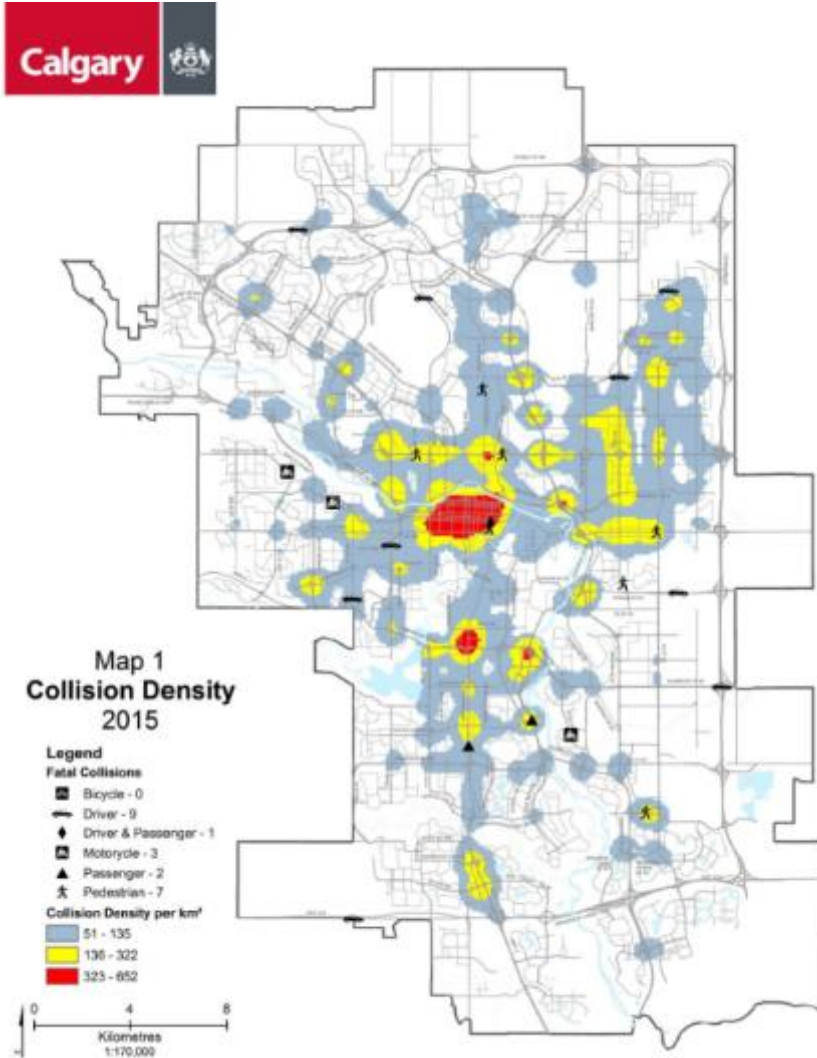
Dale Calkins @DaleCalkins · Feb 16

Great presentations followed by insightful community discussions at the Ward 7 Pedestrian Safety Meeting. #yycwalk #yycplan



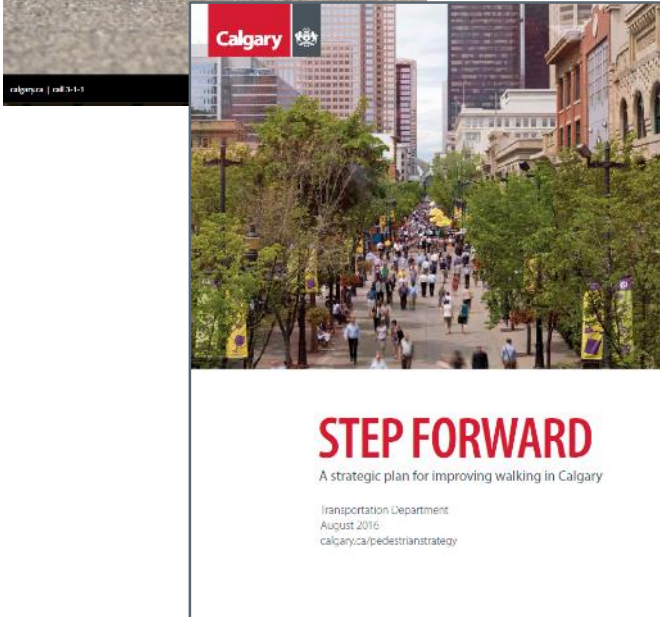
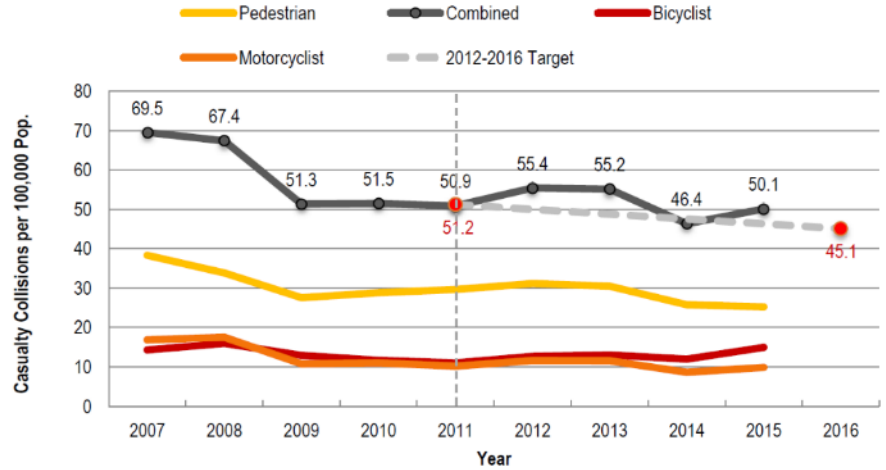


City Wide and Ward Specific Data





Sharing Information About Targets and Actions





Focused Information About Speed

- Dispelling some myths about speeding but acknowledging complex system and City influence.
- Simple physics and human bio-mechanics: Kinetic Energy = $\frac{1}{2}$ Mass x Velocity²

1% increase in speed → 2% increase in collisions, 3% increase in injuries, 4% increase in fatal collisions (~ Nilsson's Power model)

Relative risk of Impaired Driving and Speeding (Kloeden et al.)

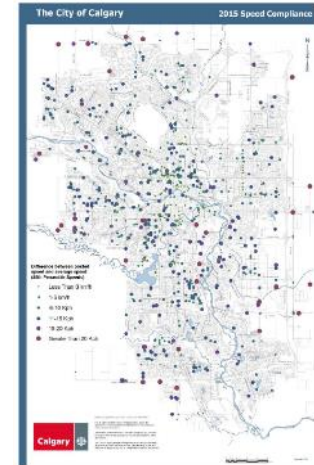
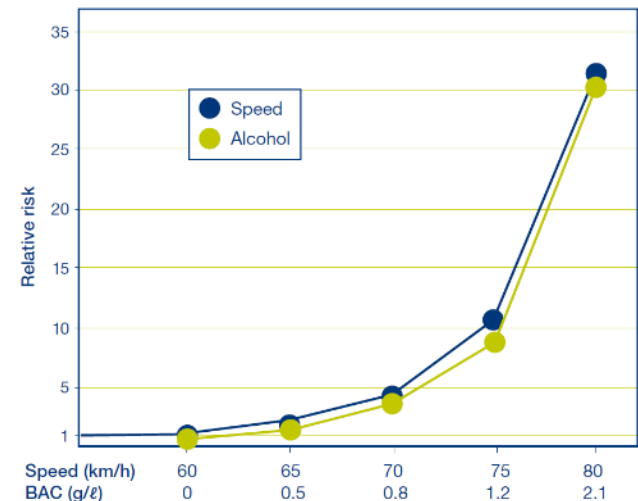
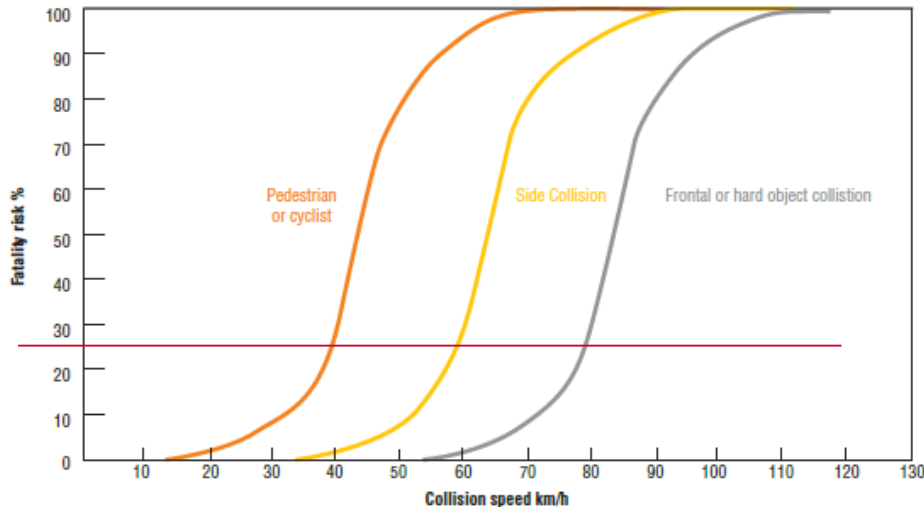


Figure E1: Fatality Risk for Three Major Collision Types and Different Impact Speeds





Piloting new ways to improve safety

Traffic Calming Curbs

- Modular traffic calming
- Same engineering processes
- ~10% of the cost of Conventional traffic calming

(LEGO set is for information and fun only, Not To Scale.)

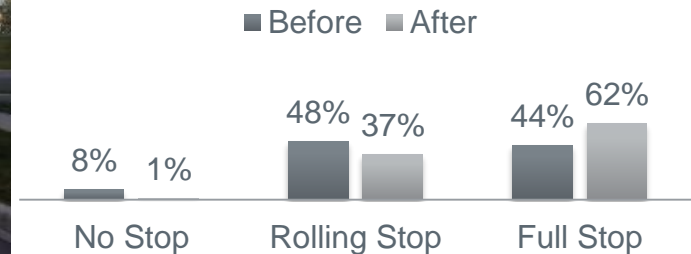


space and similar speed reduction

'Directional Diverters' Can be created where there is a desire to limit through traffic, while maintain connectivity for active modes of travel like walking and cycling.



McKenzie Towne LI & McKenzie Towne GA SE STOP Compliance



Making Citizens Aware of City Programs

Speed
Limit
Observation and
Warning
System



Community
Speed Watch



Contact 311 or visit Calgary.ca/trafficsafety



Calgary Police Service Presentation

Overview of Residential Traffic Safety Unit





Well received and building trust

Vision Zero YYC Retweeted

Dale Calkins @DaleCalkins · Jun 3
Great stuff! Looking forward to the projects resulting from the Ward 7 meeting.
@DruhFarrell #yycwalk #yycbike



Calgary traffic safety meetings spur street fixes including more yellow...
Oval-shaped pieces of yellow concrete could be coming to a street near you in an attempt to fix concerns repeatedly raised at 14 recent town hall meet...
calgaryherald.com

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Improvements coming after series of residential traffic safety meetings

BY ANNALISE KUNZIG/1707/160004
PHOTO: JACQUELYNNE BROWN/1707/160004



Overlapped pieces of yellow concrete could be coming to a street near you in an attempt to fix concerns repeatedly raised at 14 recent town hall meetings focused on residential traffic safety.

Over the last several months, city councilors, administrators, and police officers — in a city that recorded 22 deadly, 2,504 injury, and 24,270 non-injury annual collisions in 2015 — have met with concerned community members in many areas to talk about keeping streets safe for pedestrians, cyclists, and others.

The meeting sessions, which began in Street 13 last October and finished May 11 at a home in Ward 7, included a PowerPoint presentation detailing ward-specific collision statistics and a hands-on session where attendees used

Tony Clumhill, senior traffic engineer with the City of Calgary, near traffic calming work on Royal Avenue and 5th Street S.W. on Tuesday May 30, 2017.

- Critical next step is communicating back what we have heard, what we have done, what we will be doing, and what we need to do in the future
- Future meetings will concentrate more on what we've done and effects, and checking in with citizens about what's next.

Calgary



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Thank You!

