

Crash Analysis Studio

Session 9: Ottawa, Ontario

September 22, 2023



Today's Panelists

Suzanne Woo
Toon Dreessen
Rob Wilkinson
Chuck Marohn

Crash Information

- Two young women were struck by a Mazda 3 at the intersection of King Edward Avenue & Somerset Street East
 - One woman died from her injuries in the hospital, the other suffered serious injuries and survived
- Crash occurred at 5:38am on October 18, 2022
 - A crash report was requested by our nominator through a freedom of information form
 - Request was denied; report contains personal information and our nominator's name is not listed as a party in the report
- Ottawa Open Data indicates it was wet and dark in Ottawa that morning

Crash Information

- Cleber Figueiredo documented the King Edward Avenue speed limit is posted at 40km/h (about 25 mph)
- Motorist was traveling in the northbound lane on King Edward Avenue
- Media coverage leads us to believe the pedestrians were in the crosswalk along King Edward Avenue



95

30

Marie-Curie Private

RBC Royal Bank ATM

MCE

Campus Pharmacy

Records and Archives Management

University Tavern Grill • \$

Sandy Hill Housing Co-Op

Yongo Travel

204

693b

695B

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701E

695

697

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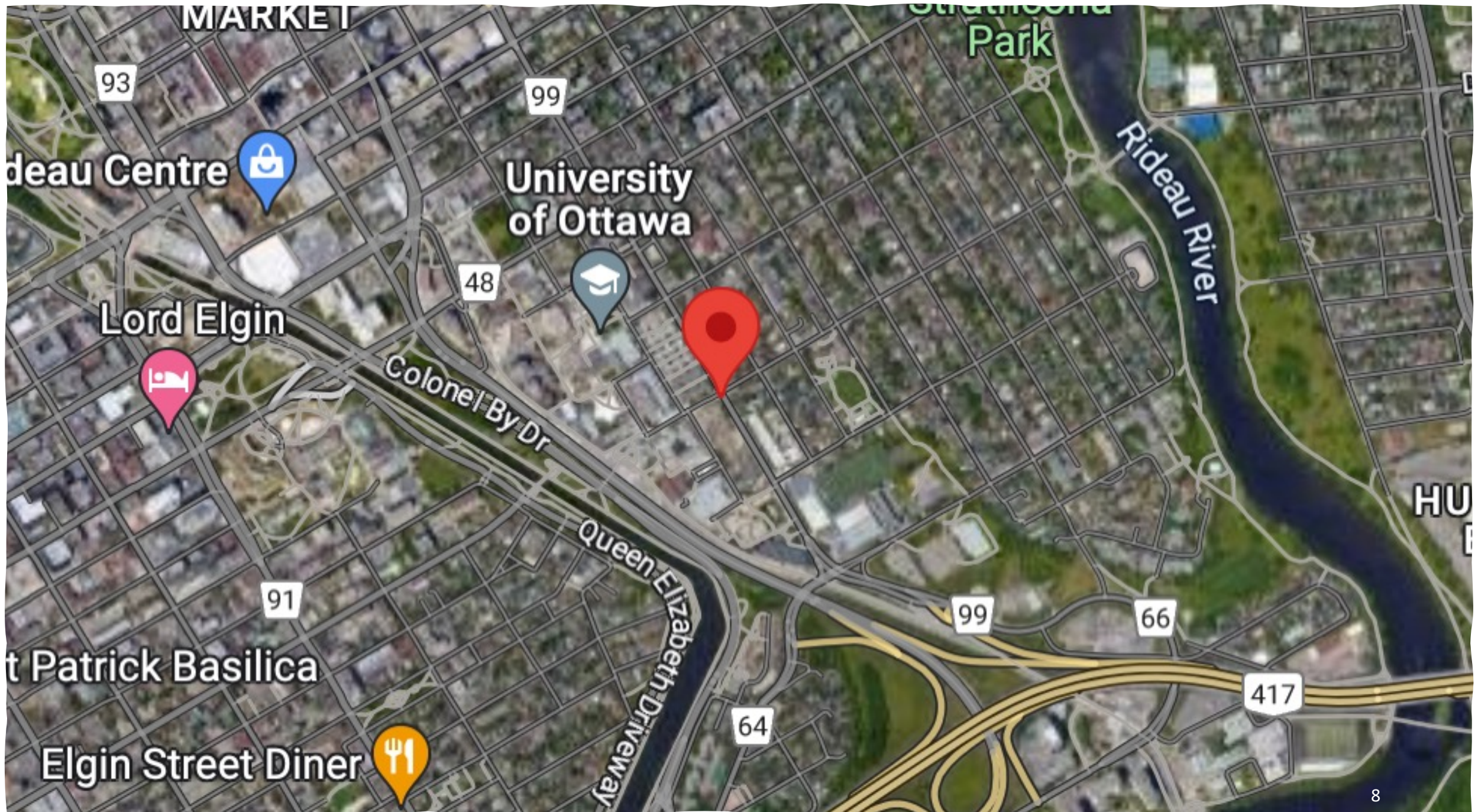
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Crash Information

- A paramedic coming off night shift was first on the scene, other units followed
- Both pedestrians were transported to the Ottawa Hospital's Civic Campus trauma unit after the collision
- Police said investigators wanted to speak with anyone who witnessed the collision or had further information

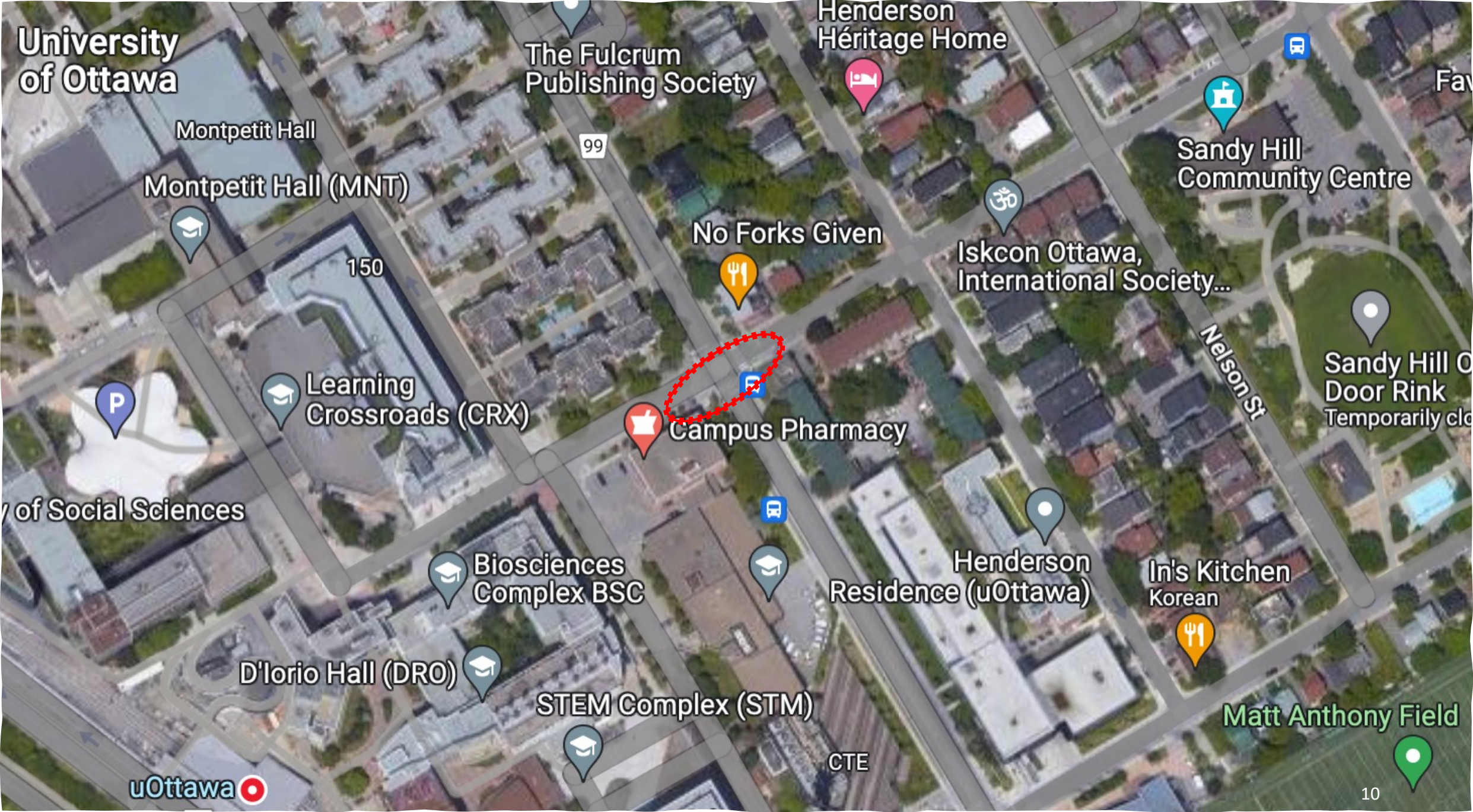
Overall Site Conditions

- King Edward Avenue has a speed limit of 40km/h (~25mph)
- The crash location segment of **King Edward Avenue** consists of sidewalks on either side, a through traffic lane in each direction (north & south), and a center lane for left-hand turns
- Streetlights appear to be placed evenly apart on the southbound side of King Edward
- Traffic signals appear to be back plated



Overall Site Conditions

- Auto-oriented urban development pattern
 - Crash Location is north of Trans-Canada Highway (417) and Mann Avenue (64)
 - King Edward is reportedly used as an alternative to highway travel
- Proximity to University of Ottawa
 - Over 44,000 attending students with multiple university buildings nearby the crash location
- Mixed residential and commercial uses
- Area is frequented by travelers crossing to Quebec



University of Ottawa

Montpetit Hall

Montpetit Hall (MNT)

150

Learning Crossroads (CRX)

Biosciences Complex BSC

D'lorio Hall (DRO)

STEM Complex (STM)

uOttawa

The Fulcrum Publishing Society

Henderson Héritage Home

No Forks Given

Campus Pharmacy

Henderson Residence (uOttawa)

Iskcon Ottawa, International Society...

In's Kitchen Korean

Sandy Hill Community Centre

Sandy Hill O Door Rink Temporarily cl

Matt Anthony Field

99

Nelson St

CTE



Collision Location & Memorial



Crash Location Looking N/NW



**NB Motorist
Approaching Intersection**



NB Motorist Entering Intersection

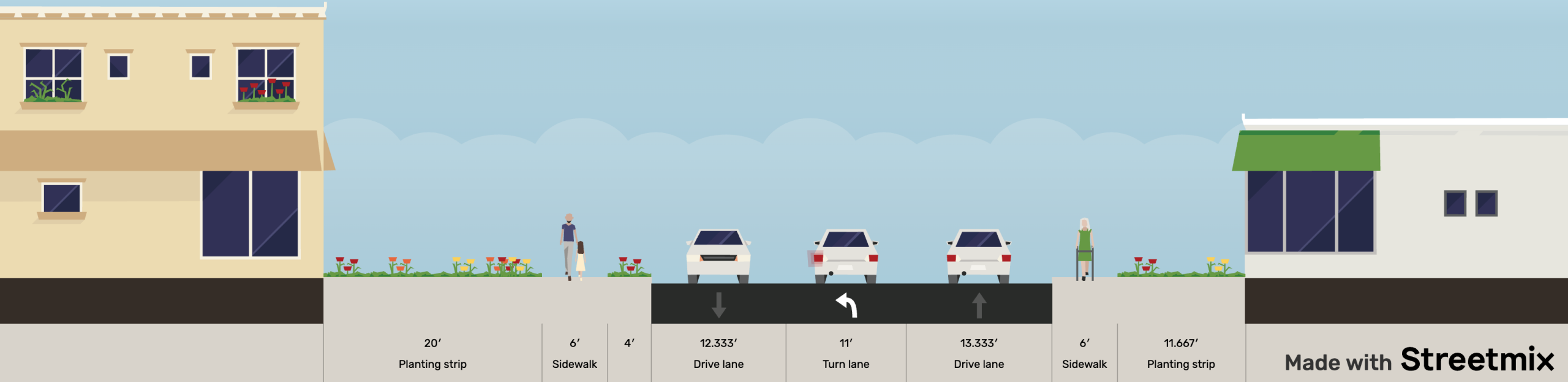


NB Motorist in Intersection



Intersection – Looking South

Northbound King Edward Avenue



Made with **Streetmix**

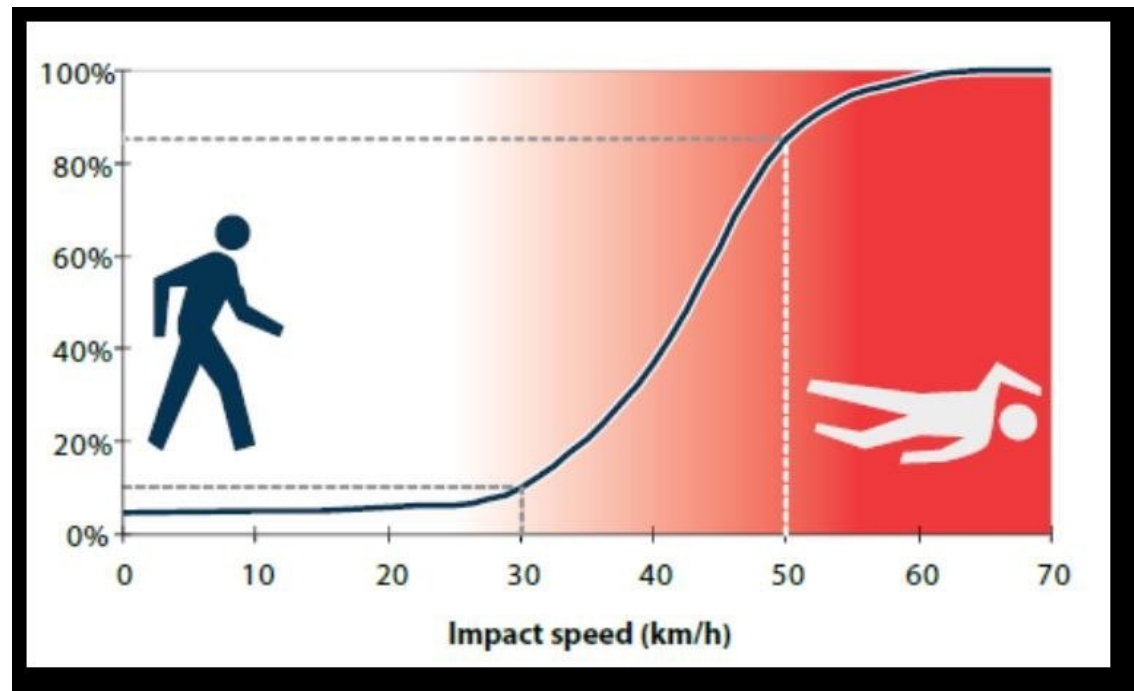
Drive Lanes: 12.3' & 13.3'
Turn Lane: 11'
Sidewalk to Sidewalk – ~52'
From Planting Strip to Planting Strip – 83'

Overall Site Conditions

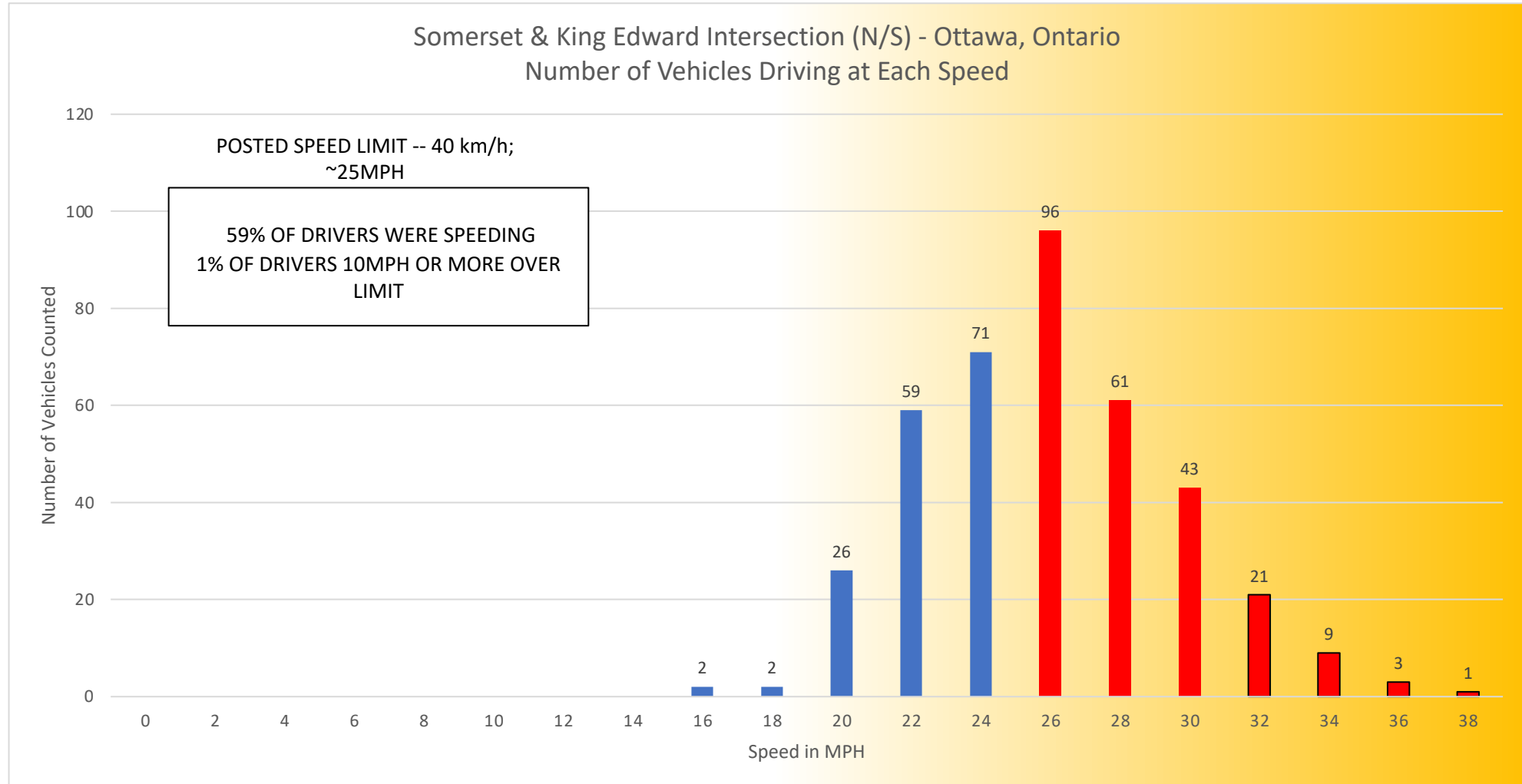
- Preliminary Speed Study indicates significant number of automobiles traveling at fatal speeds

The effects of higher speed limits on traffic fatalities in the United States, 1993–2017.

-Insurance Institute for Highway Safety



Speed Data



*85th percentile speed = 30 MPH
394 cars tracked

Acknowledgements

- Panelists Suzanne Woo, Rob Wilkinson, Toon Dreessen, and Chuck Marohn
- Special thanks to Cleber Figueiredo for nominating this crash, gathering information, and organizing resources
- Other colleagues and community members who helped prepare this session
- Strong Towns Staff