



Scona Road Traffic Safety Initiative Intersection Improvements

January 18, 2016

Overview

Scona Road/99 Street is a major route connecting downtown and south Edmonton. The road was rehabilitated and reconstructed in 2011/2012 and the posted speed limit is 50 km/h.

In 2014, the City initiated two separate traffic assessments at the Scona Road/99 Street/Saskatchewan Drive intersection to:

- Determine whether the speed limit should remain at 50 km/h
- Apply an evidence based approach to understand the safety issues
- Identify possible traffic safety measures to mitigate these issues

The assessments were conducted independently by the University of Alberta and the University of British Columbia.

Traffic Assessments

University of Alberta Study

- Analysis conducted using data before and after reconstruction
- Traffic volume, speed and collision patterns were collected and investigated
- Finding: drivers were traveling at higher speeds as they approach Scona Road
- Finding: low collision frequencies meant the data was insufficient to provide an overview of collision patterns and trends

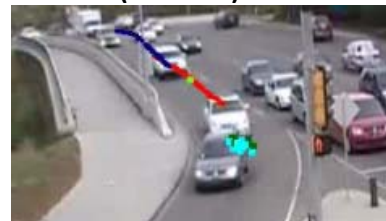
University of British Columbia Study

- Applied state-of-the-art video based technology
- Used traffic conflicts (i.e., near misses) as an indication of the level of safety
- Traffic conflicts provide actual insight into user behavior and provide a clearer indication of underlying safety issues
- The following conflicts were identified:

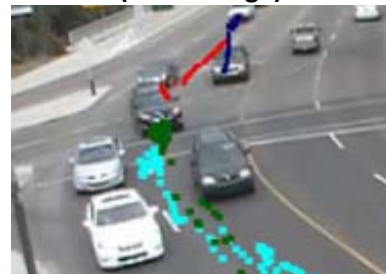
Vehicles and pedestrians/cyclists



Vehicles (rear end)



Vehicles (lane change)



- Traffic safety measures were identified and are being implemented. See next page.



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Countermeasures

Both studies recommended maintaining the speed limit at 50 km/h. Additional countermeasures are identified below.

Safety Concern	Measure	Timeline
Speeding	Driver feedback signs	Installed
Signal visibility	Additional signal head	Installed
	Retro-reflective tape*	2016-2017
Improper lane change	Bus stop relocation	Moved
	Overhead lane use sign	Fall 2016
Pedestrian crossing (91 Ave and 99 St)	Pedestrian signal	Fall 2016
Pedestrian crossing (Along 99 St at 85 Ave, 87 Ave and 89 Ave)	Reduce pedestrian wait times during all hours of the day (including off-peak periods)	Implemented

*Pending results of a pilot project

For **pedestrian/cyclist** accommodations at the Scona Road, 99 Street and Saskatchewan Drive intersection there are two options.

Measure	Timeline
Option A Install a pedestrian flasher and link to existing flashing beacon	Fall 2016
Option B Redesign the right turn in the north-west corner of the intersection	2016-2017

Have Your Say!

Your input will help shape the pedestrian/cyclist traffic safety measures at the intersection. Let us know if you prefer **Option A** or **Option B**. Complete our Comment Form available at the January 18, 2016 Open House or online at www.edmonton.ca/SconaRoad

For more Information:

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