

Crimson Drive Traffic Safety and Calming Review

Priorities Committee Meeting
March 13, 2018

Transportation Planning and Engineering

Resident Concerns

- Vehicle Speeds
- Traffic volumes
- Short Cutting
- Pedestrian Safety
- Stop Sign Compliance
- Quality of life

Introduction

- Crimson Drive
 - Collector road runs between Baseline Road and Clover Bar Road
 - Traffic calmed with curb extensions, and roundabouts
 - Residential units fronting the roadway
 - Posted speed limit is 50 km/h
 - Lakeland Ridge Junior high located near Cranberry Way
 - School Zone
 - Cranberry Way to Clover Bar Rd
 - 11 intersections and two roundabouts
 - Approximate length; 1.7 km

Traffic Safety Review

- Traffic Control
- Travel Time
- Traffic Volume
- Vehicle Speed
- Collision History

Traffic Safety Review

- Traffic Control
 - Intersections
 - One Way Stop or Yield Controlled
 - Roundabouts
 - Yield Controlled
- Travel Time during off-peak conditions
 - NB Crimson Drive; 2 min, 23 sec
 - EB Baseline Road/NB Clover Bar Road; 3 min, 21 sec
 - 58 sec difference
 - SB Crimson Drive; 2 min, 29 sec
 - SB Clover Bar Road/WB Baseline Road; 2 min, 51 sec
 - 22 sec difference

Traffic Safety Review

- Traffic Volume
 - 2,500 veh/day to 3,100 veh/day
 - Traffic volume is balanced in both directions
 - Peak hour volume
 - 5-6pm, 160 vehicles; NB direction
 - 7-8am, 130 vehicles, SB direction
- Traffic Speed (in front of Cascade Park)
 - Avg. Speed; 48.8 km/h NB
 - 85th Percentile Speed; 56.5 km/h SB

Traffic Safety Review

- Collision History (2012-2016)
- 27 collisions
 - 1 major, 1 minor and 25 PDO
 - 10 collisions @ Crimson Drive/Chatwin Road roundabout
 - 22 collision occurred on slippery road surface conditions
 - 7 single vehicle collisions
 - Major cause – lost control
 - No history of pedestrian/bicycle related collisions

Comparison Roads

Location	Volume Before	85 th Speed Before
Glencoe Blvd	~2100 vpd	60.4 – 60.9 km/h
Georgian Way South of Gatewood	~3400 vpd	56.8 – 74.1 km/
Glenbrook Blvd	~5100 vpd	57.7 – 64 km/h
Graham Rd	~2500 vpd	57.3 – 62.9 km/h
Jim Common Drive South	~5300 vpd	64.3 – 67.8 km/h

On-going Measures

- Ensure snow and ice is cleared according to policy in order to avoid the road condition crashes.
- Continue to monitor and research municipalities reducing neighbourhood road speed limits to 40km/h as part of the Neighbourhood Traffic Safety Action Plan.

Potential Additional Measure

- Consider installing permanent driver feedback signs (speed display boards) at two straightaway midblock locations near Cascade Park; one in each direction.



QUESTIONS?