

Attachment 2 SRPI.21.017

Community Safety Zone Warrant 1 - Designated Area of Special Concern - Lucas Street

Requires that the proposed Community Safety Zone be a location where special concerns related to public safety are obvious to the road user. In the case of Lucas Street, there is a public school (O.M. Mackillop PS) on the west side of Lucas Street between Hunt Avenue and Driscoll Road. Lucas Street is approximately 0.775 kilometers in length and so satisfies the minimum length requirement of 0.5 kilometers to a maximum of 2.5 kilometers.

Community Safety Zone Warrant 2 - Safety Analysis - Lucas Street

| Risk Factor | Risk Factor Scoring High (Score 3) | Risk Factor Scoring Moderate (Score 2) | Risk Factor Scoring Low (Score 1) | Lucas Street | Score |
|---|------------------------------------|--|-----------------------------------|----------------------|-----------|
| Average Daily Traffic | >10,000 | 5,000-10,000 | <5,000 | 2472 ¹ | 1 |
| Number of Lanes | >4 | 3 to 4 | 2 | 2 | 1 |
| Length of Sidewalk (% of road) | <25% | 25% to 75% | >75% | 50% | 2 |
| Truck Volume (% of traffic) | >5% | 3% to 5% | <3% to 1% | 3% ² | 1 |
| Pedestrians crossing in any 8-hours | >75 | 40 to 75 | <40 | 80 ² | 3 |
| Intersections and entrances per km | >10 | 4 to 10 | <4 | 61 | 3 |
| 85th percentile speed (km/h) over speed limit | >20 | 15 to 20 | <15 | 48 km/h ¹ | 1 |
| Collisions per year for 3 years | >3 | 2 to 3 | <2 | 6 ² | 3 |
| Total Score: | | | | | 15 |

Notes:

1. Based on results of road segment traffic counts (Automatic Traffic Recorder data) conducted in 2018
2. Based on results of intersection traffic counts (turning movement) conducted in 2018.