

Cost Benefit Disclosure Statement

Site 01B – Howell Road	Length of Road: 120 m
AADT: 1,032 vehicles per day	Existing Speed Limit: 50 km/h
Class of Road: Urban Streets with significant levels of pedestrian and/or cycling activity	Proposed Speed Limit: 30 km/h

Safety:

There have been zero injury crashes at this site over the last 5 years. The mean operating speed is expected to decrease by 6.3 km/h, the number of expected injury crashes per year is anticipated to remain unchanged.

Travel Time:

It is expected that the mean operating speed will reduce by an estimated 6.3 km/h, and there will be an increase in travel time of 5.3 seconds for each vehicle and an estimated increase of 553 hours for all traffic over a year.

Implementation Cost:

The implementation cost of this speed limit change is estimated to be \$1859.

Summary

WSP prepared this statement based on Land Transport Rule: Setting of Speed Limits 2024, as of 15 January 2025, as per clause 3.3, which considers crash impacts, travel time impacts, and implementation costs (as shown in Table 1 below), for a proposed posted speed limit on this section of Howell Road of 30 km/h.

Table 1 – Travel time and Crash Impacts

Site	Existing Injury Crashes (5 years)	Expected Crash Change (per year)	Mean Speed Change	Travel Time Change Per User (seconds)	Travel Time Change Per Year (hours)
Howell Road	0	-0.00 injury crashes	-6.3 km/h	5.3 seconds	553 hours