

Cost Benefit Disclosure Statement

Site 03: Main Road (Hemi Street to Hadfield Link Road)	Length of Road: 2,630 m
AADT: 7,645 vehicles per day	Existing Speed Limit: 100 km/h
Class of Road: Rural Connectors	Proposed Speed Limit: 80 km/h

Safety:

There have been three injury crashes at this site over the last 5 years. The mean operating speed is expected to decrease by 6.3 km/h, resulting in a potential decrease of 0.17 expected injury crashes per year.

Travel Time:

It is expected that the mean operating speed will reduce by 6.3 km/h, and there will be an increase in travel time of 8.1 seconds for each vehicle and an estimated increase of 6,103 hours for all traffic over a year.

Implementation Cost:

The implementation cost of this speed limit change is estimated to be \$3718.

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 Main Road of 80 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)
Main Road (Hemi Street to Hadfield Link Road)	3	-0.17 injury crashes	-6.3 km/h	8.1 seconds	6,103 hours