

CBDS as per requirements in the Land Transport Rule Setting of Speed Limits 2024, Section 3.3

Cost Benefit Disclosure Statement – State Highways		Pre-Consultation				
Region	Canterbury					
State highway number	SH1S					
State highway section general description	Rolleston South -South of Rolleston to Dunns Crossing Road					
Class of Road (as per 'the Rule') *	Urban Connector					
Length (km)	2.64 km (approximate)					
Average annual daily traffic (AADT) Total	21975 vpd					
- Average annual daily traffic – light vehicles	19662 vpd					
- Average annual daily traffic - HCVs	2313 vpd					
Traffic growth rate (% per annum)	2 %					
Heavy Commercial Vehicle (HCV) %	10.53 %					
Existing Speed Limit (km/h)	100 km/h					
Proposed speed limit (km/h)	80 km/h					
<b>Estimated safety impacts</b>						
<b>Existing Speed Limit safety impacts:</b>						
Number and severity of crashes on the road.  <i>Note: Use 5 years data from CAS, or if new road is less than 5 years use crash data since road operational.</i>	Crash injury severity	<u>Actual</u> recorded crash number over <u>previous 5 years</u> (total)	Actual crash number <u>per year</u>			
	Fatal	1	0.20			
	Serious	3	0.60			
	Minor	5	1.00			
	Non-Injury	11	2.20			
	Total	20	4.00			
<b>Proposed Speed Limit safety impacts:</b>						
Future safety impacts, estimated for the number and severity of crashes on the road if speed limit changes.  <i>(Estimated crash numbers, over future 5 years, shown as an annual rate, then averaged over 5 years)</i>  <i>Note: non injury crashes aren't calculated for predicted crashes due to low statistical impact.</i>	Crash injury severity	Estimated crash number over future 5 years	Estimated crash number <u>per year</u>			
	Fatal	0.6	0.12			
	Serious	1.8	0.37			
	Minor	4.0	0.80			
	Non-Injury	Not calculated	Not calculated			
	Total	6.4	1.28			
Estimated Percentage (%) of <u>all</u> injury crashes	29% reduction in injury crashes					
<b>Estimated travel time impacts</b>						
Current Mean operating speed	91	km/h				
Estimated Mean operating speed (post speed limit change)	83	km/h				
Individual vehicle journey time - Light vehicles	daily	10	seconds increase per journey			
Individual vehicle journey time - Heavy vehicles	daily	9	seconds increase per journey			
Collective vehicle journey times	daily	62	hours increase for all vehicles per day			
Aggregated annual travel time increase/decrease?	yearly	936	days increase for all vehicles per year			
<b>Estimated implementation costs</b>						
Implementation costs may include such things as planning, road signs and markings, installation costs, overheads, and consultation and administration costs.	\$25,000 (estimated)					
<b>CBDS Disclaimer</b>						
Please note these figures are estimates, based on reported and predicted data drawn from existing locations throughout the country. While we do our very best to give accurate information, every region and road is different and unexpected or random events can result in variations to expected outcomes.						

Finalised on: 1 December 2025