

ISZ

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

Cost Benefit Disclosure Statement – Intersection Speed Zone (ISZ) - State Highways		Pre-consultation	
Region	Southland		
State highway number	SH6		
State highway section description	SH6/ Five Rivers ISZ		
Class of Road (as per 'the Rule') *	Interregional Connector		
Length (km)	0.36 km		
Average annual daily traffic (AADT) Total	1,393 vpd		
-Average annual daily traffic – light vehicles	1,286 vpd		
-Average annual daily traffic - HCVs	107 vpd		
Traffic growth rate (% per annum)	2 %		
Heavy Commercial Vehicle (HCV) %	7.68 %		
Existing Speed Limit (km/h)	100 km/h		
Proposed variable speed limit (km/h)	60 km/h (when ISZ is operating)		
Estimated safety impacts			
Existing Speed Limit safety impacts:			
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	Actual recorded crash number over previous 5 years (total)	Actual crash number per year
	Fatal	0	0
	Serious	1	0.2
	Minor	4	0.8
	Non-Injury	4	0.8
	Total	9	1.8
Proposed Speed Limit safety impacts:			
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 per year
	Fatal (69% reduction)	0	0
	Serious (69% reduction)	0.31	0.062
	Minor (28% reduction)	2.88	0.576
	Non-Injury	Not calculated	Not calculated
	Total	3.19	0.638
Estimated Percentage (%) of all injury crashes	36% reduction in injury crashes		
Estimated travel time impacts			
Current Mean operating speed	100	km/h	
Estimated Mean operating speed (when VSL operating)	92	km/h	
Individual vehicle journey time - Light vehicles	daily	1	seconds increase per journey
Individual vehicle journey time - Heavy vehicles	daily	0	seconds increase per journey
Collective vehicle journey times	daily	0	hours increase for all vehicles per day
Aggregated annual travel time increase/decrease?	yearly	6	days increase for all vehicles per year
Estimated implementation costs			
Implementation costs may include such things as planning, road signs and markings, installation costs, overheads, and consultation and administration costs.	\$400,000 (estimated)		
CBDS Disclaimer: 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.			