

**Search Criteria**

Crossing Number: 2267

Jurisdiction: NZ

<b>Characteristics</b>	<b>Condition</b>	<b>Points</b>	<b>Score</b>	<b>% of total</b>
<b>CONTROL DETAILS</b>				
11. Effectiveness of equipment inspection and maintenance	Good	0	0	0%
12. Longest approach warning time	<20 secs	0	0	0%
<b>ROAD GEOMETRY</b>				
21. Proximity to intersection/control point	<20m	5	22	7%
22. Proximity to siding/shunting yard	>200m	0	0	0%
23. Proximity to station	>200m	0	0	0%
24. Possibility of short stacking	High	5	68	23%
25. Number of lanes (number of lines of traffic)	1 lane(s)	0	0	0%
26. Vulnerability to road user fatigue	Low	0	0	0%
<b>ROAD TRAFFIC CONTROL</b>				
31. Presence of adjacent distractions	Low	0	0	0%
32. Condition of traffic control at crossing	Good	0	0	0%
33. Visibility of traffic control at crossing	Good	0	0	0%
34. Distance from advance warning to crossing	Good	0	0	0%
35. Conformance with AS 1742.7 and NZTA Part 9	Partly	3	26	9%
36. Likelihood of vandalism to controls	Low	0	0	0%
<b>ROAD VEHICLES</b>				
41. Heavy vehicle proportion	5 to <11%	3	37	12%
42. Level of service (vehicle congestion)	Lvl A - Free Flow	0	0	0%
43. Queueing from adjacent intersections	None	0	0	0%
44. Road traffic speed (85th percentile vehicle speed)	<=60 kph	0	0	0%
<b>RAIL VEHICLES</b>				
51. Seasonal/Infrequent train patterns	Regular trains	0	0	0%
52. Slowest train speed at crossing (typical)	<20 kph	5	25	8%
53. Longest train length (typical)	60 to 300m	1	6	2%
54. High train speed	>80 to 100 kph	2	23	8%
<b>CROSSING GEOMETRY</b>				
61. Number of operational rail tracks	1 tracks	0	0	0%
62. Road surface on approach/departure (not Xing panel)	Good	0	0	0%
63. Is the crossing on a hump, dip or rough surface?	No	0	0	0%
<b>VISIBILITY</b>				
71. SSD - advance visibility of crossing from road	>100%	0	0	0%
72. S2 - approach visibility to train (vehicle approaching crossing)	<50%	5	0	0%
73. S3 - visibility to train (vehicle stopped at crossing)	50 to <80%	4	78	26%
74. Possible sun glare sighting crossing on road approach	Known sun glare issue	5	1	0%
75. Possible sun glare sighting train	Known sun glare issue	5	8	3%
76. Temporary visual impediments - sighting of crossing	1 day/month	3	0	0%
77. Temporary visual impediments - sighting of train	1 day/month	3	5	2%

301

## Controls

Controls at Crossing	Stop Signs
Advance Warning	SINGLE Standard Advance Warning (W7-4, W7-7, NZ WX1 OR NZ WX3)
Advance Warning	Rail-X Pavement Marking
Train Related	Whistle board / location board for train
Crossing Environment	Maintenance programme for vegetation etc (Road)

Crossing Volume (AADT) Road: 101 Rail: 10

### Outputs

Raw Infrastructure Factor:	<b>301</b>		
Infrastructure Factor:	<b>0.90471</b>		
Exposure Factor:	<b>0.00986</b>		
Likelihood Factor:	<b>0.00892</b>	Years Between Collisions:	<b>112</b>
Consequence Factor:	<b>0.15986</b>		
Risk Score:	<b>0.00143</b>	Years Between Fatalities:	<b>701</b>

### Risk / Likelihood Bands

#### Across Control Classes

Risk Band All:	<b>Medium High</b>	Likelihood Band All:	<b>Medium High</b>
Risk Band Jurisdiction:	<b>Medium High</b>	Likelihood Band Jurisdiction:	<b>Medium</b>

#### Within Stop Control Class

Risk Band All:	<b>High</b>	Likelihood Band All:	<b>High</b>
Risk Band Jurisdiction:	<b>High</b>	Likelihood Band Jurisdiction:	<b>Medium High</b>

### Flags:

- Short Stacking
- Sighting S3
- Sun Glare Sighting Crossing on Road
- Sun Glare Sighting Train

## ***Mechanisms***

### UNABLE TO AVOID

Unable to stop in time	12
Stuck on tracks	0
Stopped on tracks	10

### UNAWARE

Distracted	4
Could not see control	2
Could not see train from road approach (S2)	0
Could not see train from at crossing (S3)	104
Assumes train will stop	0
Does not expect second train	0
Finds crossing protection is ambiguous	26
Is fatigued	0
Mislead by Controls	4

### UNWILLING TO RECOGNISE

Queued on tracks	0
Overhangs on tracks	85
Racing train or misjudged train speed	47
Driving through passive warning without looking	5
Driving through flashing lights	0
Driving around boom gates	0

---

**301**