Search Criteria

Crossing Number: 534

Jurisdiction: NZ

Characteristics	*Condition*	*Points*	*Score*	*% of total*
CONTROL DETAILS				
11. Effectiveness of equipment inspection and maintenance	Good	0	0	0%
12. Longest approach warning time	<20 secs	0	0	0%
ROAD GEOMETRY				
21. Proximity to intersection/control point	>200m	0	0	0%
22. Proximity to siding/shunting yard	>200m	0	0	0%
23. Proximity to station	>200m	0	0	0%
24. Possibility of short stacking	Low	0	0	0%
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%
ROAD TRAFFIC CONTROL				
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	Average	3	16	7%
35. Conformance with AS 1742.7 and NZTA Part 9	Partly	3	26	11%
36. Likelihood of vandalism to controls	Low	0	0	0%
ROAD VEHICLES				
41. Heavy vehicle proportion	5 to <11%	3	11	5%
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%
RAIL VEHICLES				
51. Seasonal/Infrequent train patterns	Regular trains	0	0	0%
52. Slowest train speed at crossing (typical)	<20 kph	5	25	10%
53. Longest train length (typical)	>300 to 1000m	3	18	7%
54. High train speed	>100 to 120 kph	4	46	19%
CROSSING GEOMETRY				
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%
VISIBILITY				
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%	5	97	40%
74. Possible sun glare sighting crossing on road approach	No sunglare	0	0	0%
75. Possible sun glare sighting train	No sunglare	0	0	0%
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%
			245	

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
Crossing Environment	Maintenance programme for vegetation etc (Road)

Crossing Volume (AADT) Road: 12 Rail: 18

Outputs

Raw Infrastructure Factor:	**245**		
Infrastructure Factor:	**0.99789**		
Exposure Factor:	**0.00228**		
Likelihood Factor:	**0.00227**	Years Between Collisions:	**440**
Consequence Factor:	**0.3674**		
Risk Score:	**0.00084**	Years Between Fatalities:	**1197**

Risk / Likelihood Bands

Across Control Classes

Risk Band All:	**High**	Likelihood Band All:	**Medium Low**
Risk Band Jurisdiction:	**Medium High**	Likelihood Band Jurisdiction:	**Low**

Within Stop Control Class

Risk Band All:	**High**	Likelihood Band All:	**Medium**
Risk Band Jurisdiction:	**High**	Likelihood Band Jurisdiction :	**Medium Low**

Flags:

High Speed Train

Sighting S3

Mechanisms

UNABLE TO AVOID

Unable to stop in time	28
Stuck on tracks	0
Stopped on tracks	0

UNAWARE

Distracted	0
Could not see control	1
Could not see train from road approach (S2)	0
Could not see train from at crossing (S3)	128
Assumes train will stop	0
Does not expect second train	0
Finds crossing protection is ambiguous	10
Is fatigued	0
Mislead by Controls	4

UNWILLING TO RECOGNISE

Queued on tracks	0
Overhangs on tracks	0
Racing train or misjudged train speed	69
Driving through passive warning without looking	5
Driving through flashing lights	0
Driving around boom gates	0

245