

FNDC Scoring Matrix, developed from NZTA General Circular Investment: No 16/04

Proposal for consultation Rev 0

6/12/2018 12:22

SITE DUST RISK FACTORS AND SCORES

Risk factor/score	0	1	2	3	4	5
TRAFFIC						
5 day AADT of HCVs	0	1—5	6—10	11—25	26—50	More than 50
Speed limit of HCVs (km/h)	0	20	40	50	60	70
5 day AADT of LDVs	Less than 50	51-150	151-200	201-250	251-350	More than 350
Speed of LDVs (km/h)	Less than 50 km/h		50km/h -70km/h		Greater than 70km/h	
RECEPTORS						
Number of dwellings within 80m of roadway (houses/km)	0	1-2	3-4	5-7	8-12	13+
Maraes	Isolated location - not in community Hub		Located in Community Hub		Inside Community Hub & associated Urupa within 250m	
Schools			Roll <50	Roll 50 - 99	Roll 100 - 300	Roll > 300
Clinics, Hospitals		Clinic open 1 - 2 days per week	Clinic open 3 - 4 days per week	Clinic open 5 days per week	Hospital < 10 beds	Hospital ≥ 10 beds
Community / Sports Hall	Irregular use < once every 2 weeks		Regular use once to twice every week		Regular use ≥ twice every week	
Ecologically sensitive areas such as rare species habitats or wetlands (sensitive locations/km)	None	1	2	3	4	≥5
Horticultural sensitive areas such as fruit orchards (sensitive locations/km)	None		1—2		3 or more	
SITE CHARACTERISTICS						
Road Character	Rural					Urban
Significance on Tourism	No tourism attraction	Low significance attracting < 100 out of area tourists per	Medium significance attracting < 600 out of area	Nationally recognised tourism destination > 600	Nationally recognised tourism Cycling route	Nationally recognised tourism Hiking route
Longevity of logging route use	0	1-2	2-3	3-5	5-7	7-10
FINANCIAL FACTORS						

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Risk factor/score	0	1	2	3	4	5
Annual Mntence Cost	\$200,000	\$200,001	\$400,000	\$600,000	\$800,000	\$1,000,000
Estimated Sealing Cost	\$1,000,000	\$800,000	\$600,000	\$400,000	\$200,001	\$200,000
Notes to table: from research report 590						
HCV	heavy duty vehicle — vehicle with a gross vehicle mass of greater than 3,500kg (N.B the research report uses HDV; we have amended this to HCV to reflect more common terminology in the sector).					
LDV	light duty vehicle — vehicle with a gross vehicle mass of less than 3,500kg					
	The five—day (Monday to Friday) AADT for HCVs and LDVs is used as the traffic risk factor because this metric provides the strongest indicator of HCV activity.					
	Speed limit criterion of 20km/hr for HCVs were used as a threshold means of determining potential dust mitigation through reducing speed of HCVs and are a treatment option that should be considered in all cases.					

DUST RISK CATEGORY AND ACTION TO BE TAKEN						
Total dust risk score	Dust risk category		Potential benefit from dust mitigation		Action to be taken	
0 to 9	Low		Little or no benefit from mitigation.		End of decision—making process.	
10 to 19	Medium		There may some benefit from mitigation.		Return to and repeat the 'Site dust risk factors	
20 to 28	High		There is likely to be a benefit from mitigation		Complete assessment of suitable options.	