

# 1 & 2 Star Roads



## Example One - Curving 100km/h low standard rural road

Star Rating	Crash Risk
★☆☆☆☆	Crashes likely to have very severe outcomes. More crashes relative to traffic volume.



- Roadside hazards:** Roadside trees and poles present a risk of severe impact
- Poor road curvature:** Increased risk of lane departure (especially when curve is unexpected)
- Narrow lane width:** Road users have little space before leaving their lane
- Narrow shoulder:** Road user has little time to correct an error
- Speed management:** Higher speed increases crash likelihood and severity

# 3 Star Roads



## Example Three – Medium standard divided semi-rural road

Star Rating	Crash Risk
★★★☆☆	Occasional crashes with very severe outcomes. Some crashes relative to traffic volume.



- Roadside hazards:** Roadside objects present a risk of severe impact or rollover
- Divided carriageway:** Risk of head-on collision is reduced (errant vehicles not contained)
- Good lane width:** Road users have a good amount of space to move within their lane
- Good delineation:** Audio tactile line marking alerts drivers and riders to lane departure
- Speed management:** Higher speed increases crash likelihood and severity

# 5 Star Roads



## Example Five – High standard divided motorway

Star Rating	Crash Risk
★★★★★	Majority of crashes have less severe outcomes. Few crashes relative to traffic volume.



- Divided carriageway:** Risk of head-on collision is adequately mitigated
- Good road surface:** Smooth and high-grip surface helps drivers and riders keep control
- Wide shoulder:** Road user has time to correct an error before impacting a protective barrier
- Good lane width:** Road users have a good amount of space to move within their lane
- Roadside hazard:** Carriageway is contained so vehicles can't impact roadside hazards

## Example Two – Low standard suburban arterial road

Star Rating	Crash Risk
★★☆☆☆	Crashes likely to have severe outcomes. More crashes relative to traffic volume.



- Roadside hazards:** Roadside trees and poles present a risk of severe impact
- Intersection:** Turning vehicles are not protected from the traffic flow, increasing crash risk
- Medium lane width:** Road users have some space to move within their lane
- Adequate delineation:** Line marking present but degraded
- Speed management:** Speed limit high for likely crash types that may result in serious injuries

## Example Four – Medium standard connector road

Star Rating	Crash Risk
★★★☆☆	Occasional crashes with severe outcomes. Some crashes relative to traffic volume.



- Roadside hazards:** Roadside hazards exist but are a distance from the roadway
- Good delineation:** Audio tactile line marking alerts drivers to lane departure
- Good lane width:** Road users have a good amount of space to move within their lane
- Medium shoulder:** Road user has some time to correct an error
- Speed management:** Lower speed limit to improve safety

## Example Six – High standard suburban arterial road

Star Rating	Crash Risk
★★★★★	Majority of crashes have less severe outcomes. Few crashes relative to traffic volume.



- Roadside hazard:** Hazards exist but with a lower speed limit they present lower risk of injury
- Good delineation:** Signage and line marking support road users to identify the raised pedestrian crossing
- Pedestrian crossing:** A raised platform crossing supported with fencing to channel pedestrians
- Separated bicycle lanes:** Separation of cyclists to vehicles
- Speed management:** Lower speed limit will improve safety

Some questions we ask to determine how safe a road is

