

Traffic noise

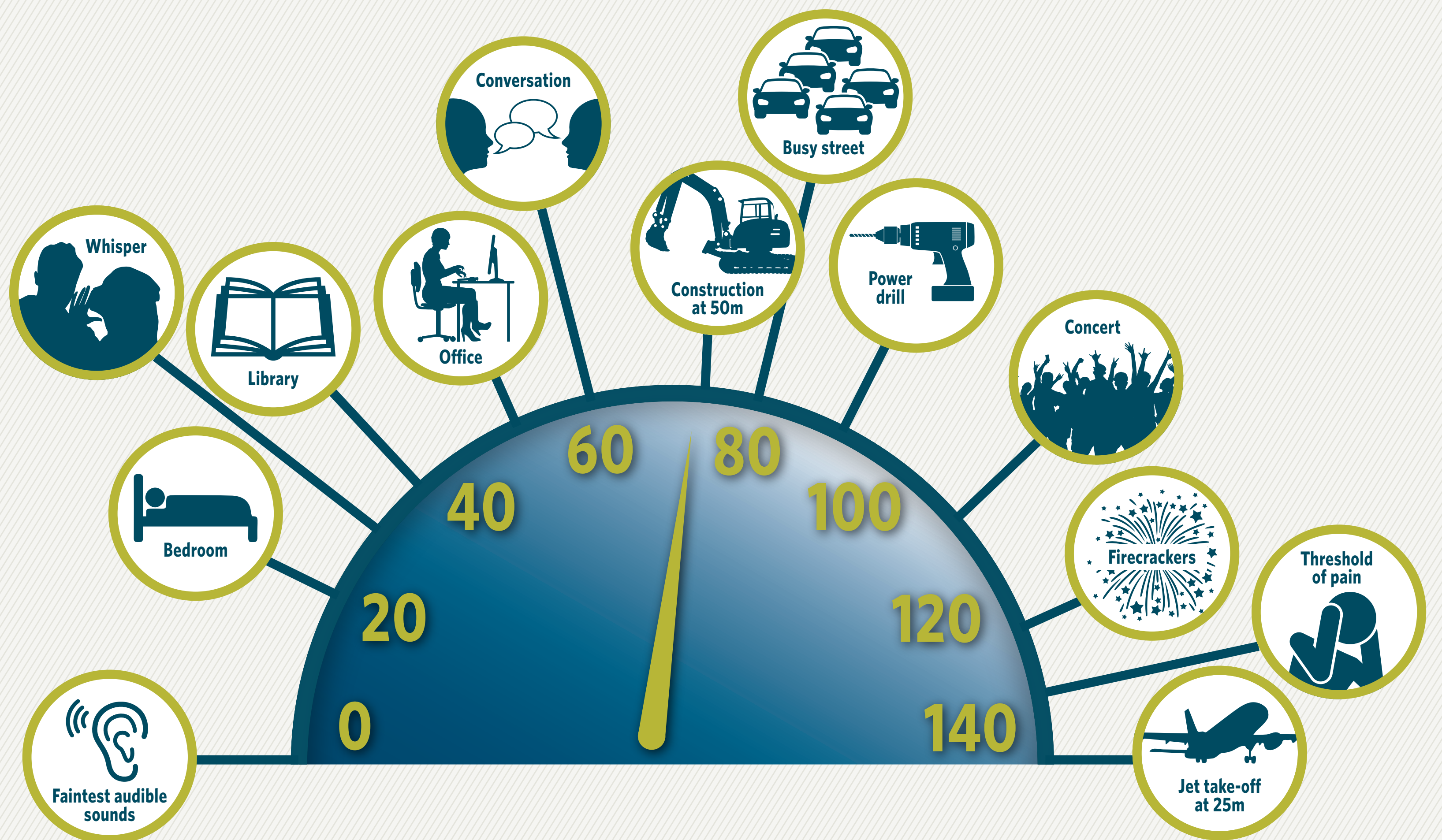
The NZ Transport Agency aims to be a good neighbour, taking social and environmental responsibility seriously, including the management of noise.

The Cambridge section

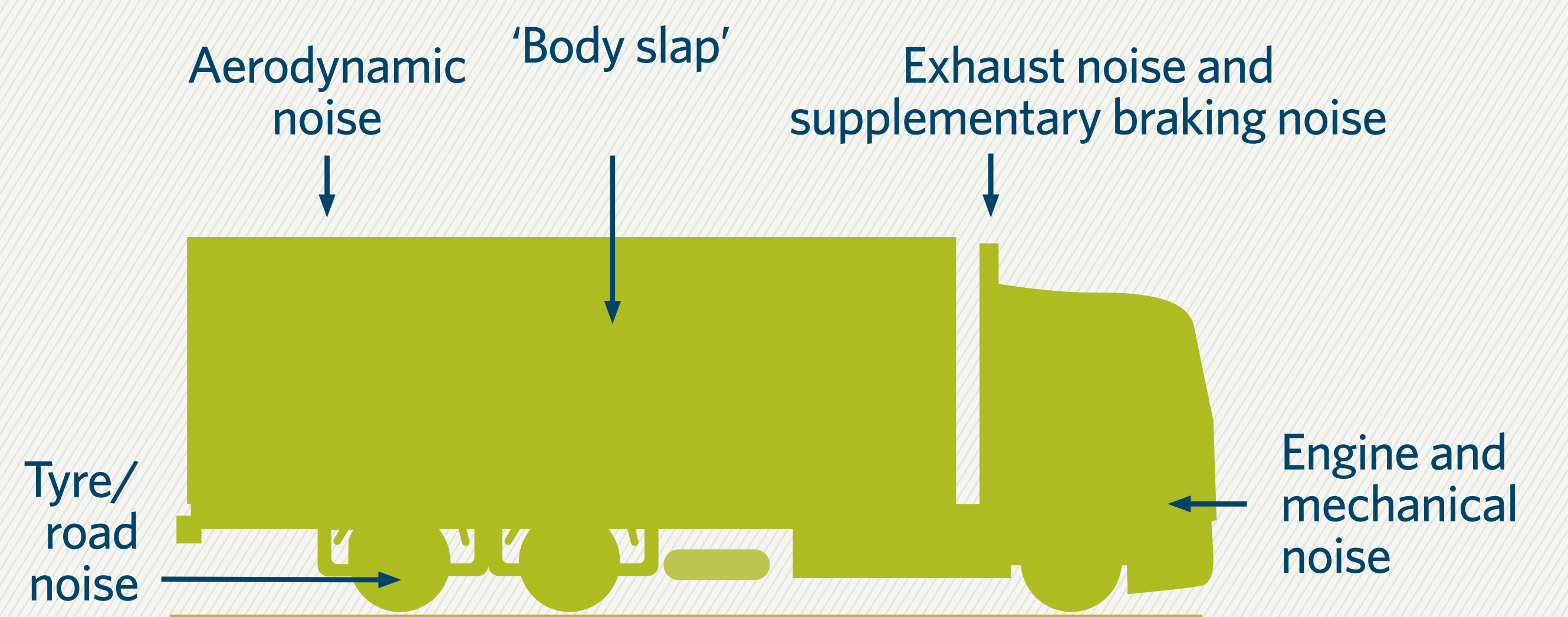
- Traffic noise design limits are specified by designation conditions and based on the national standard known as NZS 6806
- Both the specimen design and construction design noise models satisfy these conditions.
- The Transport Agency has decided to use quiet road surfacing (OGPA or open graded porous asphalt) on the whole of the Cambridge Section.
- OGPA seal is laid 9-12 months after the Expressway opens to give the pavement time to bed in. This is planned for October 2016.

Typical sound levels

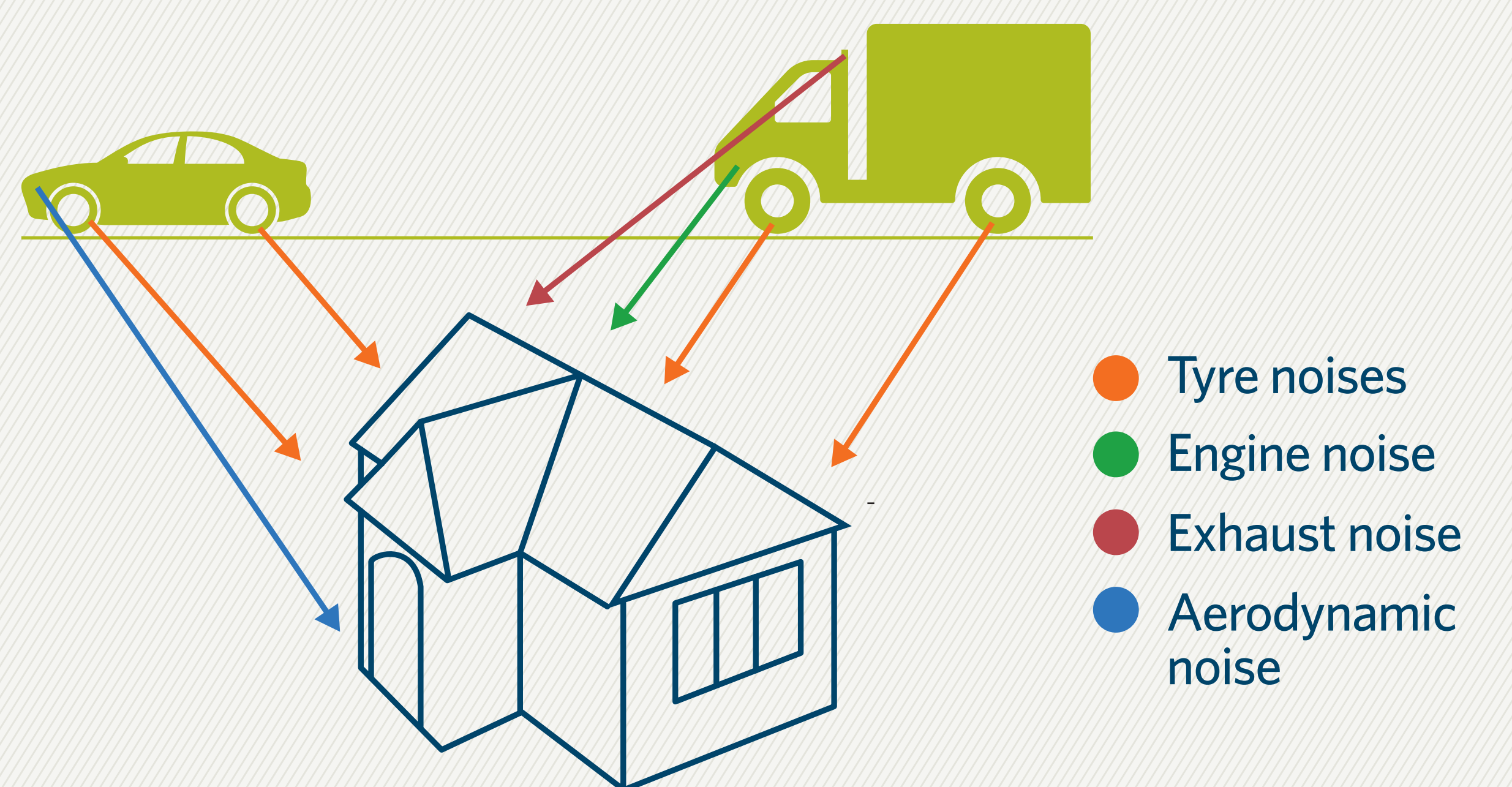
Traffic volume, traffic speed, the number of large freight vehicles and the road surface are all key factors contributing to the noise level.



Noise sources from a truck



Road traffic noise sources



Did you know?

Sound sources cause changes in air pressure which can be detected by our ears and can also be measured by a sound level meter.

For example a vacuum cleaner at 70dB is about twice as loud as a normal conversation at 60dB.

Road noise ranges from a daily average level of about 50dB for a quiet suburban street to about 75dB for a busy urban arterial.