

## **Traffic Composition as Passenger Car Units**

When making making considerations for traffic composition in calculations, traffic is converted into a Passenger Car Unit (PCU). A PCU is the impact a mode of transport has on traffic variables (headway, speed, density) compared to a single car on the road network.

As described by (Kimber et al. [1986]), the following are the typical values most commonly used in the UK:

<b>Vehicle Type</b>	<b>PCU Figure</b>
Car or Small LGV	1.0
Medium LGV	1.5
HGV	2.3
Bus / Coach	2.0
Motor Cycle	0.4
Pedal Cycle	0.2

## **Reference**

*Kimber, R. M. et al., (1982), Saturation flows at traffic signal junctions: studies on test track and public roads, Institute of Electrical Engineers Conference on Road Traffic Signalling.*