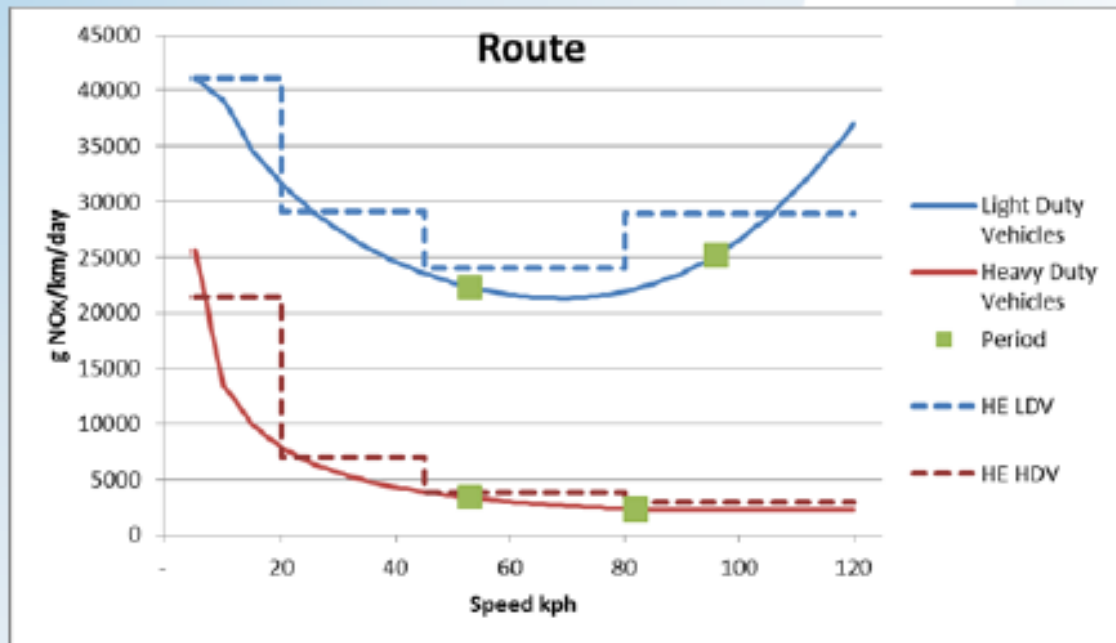


Emission and Speed Curve

Emissions v Speed Curves



The above graph shows the profile of both light duty vehicles via the blue line (cars, vans) and heavy duty vehicles via the red line (HGVs and buses, coaches).

The blue line (at the top) shows a curve with a 'sweet spot' at the bottom of the curve where speeds are such that the emissions are at the lowest. In this case around 70kph/44mph.

The red line (at the bottom) shows a curve with a sweet spot tending towards 96kph/60mph (HGVs speed limit is 96kph/60mph on dual/motorway roads for England and Wales) and emissions are generally at the lowest around this speed. The line does not curve up as HGVs are legally not allowed to travel more than 96kph/60mph on the network.

The broken line type is the Highways England interpretation of the trend and they choose to normalise the results in 'blocks'.