

### Appendix 3.6 Summary Results of Comparing the Total Emission by Using Peak Hour Flow Speed and Design Road Speed

Total Daily NO<sub>x</sub> Emission Rates by 16 vehicle classes by using Peak Hour Flow Speed and Design Road Speed.

Vehicle Classes	Total Daily NO <sub>x</sub> Emissions (ton/day) by using Peak Hour Flow Speed		Total Daily NO <sub>x</sub> Emissions (ton/day) by using Design Road Speed	
	Other Roads	Trunk Roads	Other Roads	Trunk Roads
PC&LGV	0.004049	0.007485	0.003613	0.006784
PC&LGV <2.5t	0.000229	0.000559	0.000209	0.000579
LGV2.5-3.5t	0.001438	0.003630	0.001307	0.003768
PLB	0.000303	0.000092	0.000276	0.000095
LGV>3.5t	0.006615	0.017009	0.006009	0.017643
HGV<15t	0.014734	0.068920	0.013531	0.071622
HGV>15t	0.001110	0.005087	0.001025	0.005288
FBDD	0.003846	0.002925	0.00333	0.003048
MC	0.003141	0.006879	0.003351	0.007558
Taxi	0.005720	0.002698	0.0049	0.002444
PrLB<3.5t	0	0	0	0
PrLB>3.5t	0.000294	0.000368	0.000264	0.000382
NFB<6.4t	0	0	0	0
NFB 6.4-15t	0.010261	0.011944	0.00925	0.012423
NFB>15t	0	0	0	0
FBSD	0.000246	0	0.000212	0
<b>Total Emissions</b>	<b>0.051987</b>	<b>0.12760</b>	<b>0.04728</b>	<b>0.13163</b>

**Total Daily RSP Emission Rates by 16 vehicle classes by using Peak Hour Flow Speed and Design Road Speed.**

Vehicle Classes	Total Daily RSP Emissions (ton/day) by using Peak Hour Flow Speed		Total Daily RSP Emissions (ton/day) by using Design Road Speed	
	Other Roads	Trunk Roads	Other Roads	Trunk Roads
PC&LGV	0.000207	0.000333	0.000135	0.000241
PC&LGV <2.5t	0.000093	0.000198	0.000068	0.000145
LGV2.5-3.5t	0.000507	0.001097	0.000371	0.000815
PLB	0.000236	0.000065	0.000173	0.000045
LGV>3.5t	0.000368	0.000813	0.000269	0.000602
HGV<15t	0.000594	0.002412	0.000448	0.001805
HGV>15t	0.000031	0.000126	0.000024	0.000094
FBDD	0.000101	0.000065	0.00007	0.000048
MC	0.000156	0.000275	0.000143	0.000291
Taxi	0.00068	0.000239	0.000407	0.000174
PrLB<3.5t	0	0	0	0
PrLB>3.5t	0.000219	0.000232	0.000158	0.000174
NFB<6.4t	0	0	0	0
NFB 6.4-15t	0.0004	0.000392	0.000288	0.000295
NFB>15t	0	0	0	0
FBSD	0.000009	0	0.000006	0
<b>Total Emissions</b>	<b>0.003603</b>	<b>0.006246</b>	<b>0.002561</b>	<b>0.004729</b>

Notes:

1. PC&LGV – Petrol Private Cars & Light Goods Vehicles
2. PC&LGV <2.5t – Diesel Private Cars & Light Goods Vehicles <2.5t
3. LGV2.5-3.5t – Diesel Private Cars & Light Goods Vehicles 2.5-3.5t
4. PLB – Public Light Buses
5. LGV>3.5t – Light Goods Vehicles >3.5t
6. HGV<15t – Medium & Heavy Goods Vehicles with GVW 5.5-15t
7. HGV>15t – Medium & Heavy Goods Vehicles with GVW >=15t
8. FBDD – Double Deck Franchised Buses
9. MC – Motor Cycles
10. Taxi – Taxi (LPG)
11. PrLB<3.5t – Private Light Buses <3.5t
12. PrLB>3.5t – Private Light Buses >3.5t
13. NFB<6.4t – Non-franchised Buses <6.4t
14. NFB6.4-15t – Non-franchised Buses 6.4-15t
15. NFB>15t – Non-franchised Buses >15t
16. FBSD – Single Deck Franchised Buses