

## ***Appendix 3.10***

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### ***The Calculation of Maximum Fleet Average Vehicle Emission Factors***

Appendix 3.10 Calculation of Maximum Fleet Average Emission Factors

Total hourly NO <sub>x</sub> emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 50 km/h) - Under normal traffic condition																																			
ID	FCALGV-TOT			FCALGV2.5-TOT			FLB-TOT			LOY2.5-TOT			KIV4-TOT			HIV>15-TOT			MC-TOT			PLB<3-TOT			NFB<6.4-TOT			NFB>15-TOT			RBS-TOT				
	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt		
T00	1.07E+04	6883.9	0.12551	6.18E+05	14.61	0.1466	2.26E+04	730.7	0.3093	2.69E+03	11.460	2.34E+05	71.0E+03	150.13	4.7312	5.04E+04	99.7	3.5599	818.8	1.1284	1.51E+03	583.96	0.02E+00	0.0	0.0000	0.00E+00	0.0	0.0000	3.50E+03	88.9	0.0000	4.20E+04	138.8	3.136	
T01	7.85E+04	5031.8	0.12560	1.97E+05	8.717	0.2470	1.67E+05	594.1	0.3089	1.97E+05	8.717	2.3470	5.02E+05	197.2	4.7307	4.34E+04	72.8	5.0790	598.6	1.1410	1.12E+05	4.28E6	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	2.50E+05	68.4	0.0000	1.20E+05	378.3	3.191	
T02	6.27E+04	9775.4	0.12577	3.49E+05	10.76	0.2425	2.37E+04	815.2	0.3080	1.56E+05	66.9	2.5308	4.11E+05	867.0	4.7405	3.49E+04	57.6	5.0759	472.9	1.1568	8.90E+04	337.20	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	2.03E+05	512.3	0.0000	2.80E+04	79.0	3.197	
T03	5.01E+04	3181.6	0.12575	2.40E+05	35.7	0.3081	1.07E+05	357.8	0.3088	1.25E+05	52.7	2.5559	3.90E+05	576.6	4.7523	2.75E+04	46.0	5.0736	598.5	1.1992	7.10E+04	269.87	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	1.63E+05	410.0	0.0000	1.90E+04	65.2	3.1470	
T04	4.15E+04	2653.3	0.12561	2.40E+05	56.5	0.2450	1.87E+04	544.3	0.3088	8.80E+05	44.9	2.3653	2.78E+05	693.5	4.7583	2.60E+04	38.4	5.0744	315.7	1.1182	7.10E+04	225.07	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	1.30E+05	342.0	0.0000	1.60E+04	52.8	3.1455	
T05	4.97E+04	581.8	0.12562	2.40E+05	37.4	0.3088	1.07E+05	357.8	0.3088	1.25E+05	52.7	2.3653	3.91E+05	693.5	4.7654	2.76E+04	46.0	5.0951	598.5	1.1043	7.11E+04	269.88	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	1.63E+05	410.0	0.0000	2.00E+04	65.2	3.1628	
T06	7.80E+04	4014.6	0.12586	1.47E+05	10.77	0.2425	2.99E+04	1013.7	0.3088	1.98E+05	8.717	2.3653	5.21E+05	197.2	4.7721	2.76E+04	72.8	5.0949	598.6	1.1043	7.11E+04	269.88	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	2.03E+05	512.3	0.0000	3.10E+04	101.0	3.1606	
T07	2.07E+05	13.32E+03	0.12563	1.19E+05	40.54	0.2428	7.80E+04	271.30	0.3120	2.86E+05	202.8	2.3674	1.98E+05	286.64	4.7761	1.15E+05	30.364	5.21E+05	157.59	1.1062	3.37E+05	1122.53	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.70E+05	1705.2	0.0000	8.31E+04	262.8	3.1621	
T08	2.98E+05	19.95E+3	0.12561	1.37E+05	20.10	0.312	7.30E+05	371.16	0.3128	1.68E+05	47.685	2.3678	1.98E+05	415.58	4.7765	1.66E+05	27.59	6.0027	7.91E+05	161.628	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	9.70E+05	2155.0	0.0000	3.97E+04	299.5	3.1591
T09	2.40E+05	16.71E+4	0.12560	1.57E+05	35.64	0.2420	9.80E+04	341.85	0.2890	6.58E+05	27.75	2.3601	1.73E+05	363.69	4.7766	1.45E+05	24.14	5.9936	6.94E+05	182.57	1.1238	3.47E+05	1432.11	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	8.53E+05	2155.0	0.0000	1.00E+05	331.1	3.1552
T10	2.38E+05	15.98E+4	0.12562	1.37E+05	32.64	0.2419	9.00E+04	314.67	0.2882	5.05E+05	16.28	2.3602	1.59E+05	339.77	4.7760	6.37E+05	30.27	5.9760	6.37E+05	182.57	1.1238	3.47E+05	1432.11	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	8.53E+05	2155.0	0.0000	1.00E+05	331.1	3.1552
T11	2.23E+05	14.51E+4	0.12561	1.37E+05	30.58	0.2420	9.80E+04	298.39	0.2875	4.78E+05	15.40	0.3096	6.09E+05	317.46	4.7792	1.26E+05	21.07	5.9699	6.03E+05	173.13	1.1200	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	7.41E+05	1875.5	0.0000	8.00E+04	288.0	3.1383
T12	1.99E+05	12.96E+4	0.12535	1.13E+05	24.04	0.2417	7.63E+04	266.85	0.2870	4.21E+05	13.75	0.3062	5.00E+05	218.26	4.7792	1.30E+05	18.78	5.9494	5.36E+05	178.64	1.1127	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1670.8	0.0000	9.00E+04	257.5	3.1380
T13	2.11E+05	13.70E+4	0.12536	1.22E+05	29.27	0.2418	8.06E+04	282.13	0.2861	4.92E+05	20.28	2.3607	1.42E+05	282.84	4.7790	1.18E+05	19.93	5.9494	5.36E+05	166.38	1.1101	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1773.2	0.0000	8.55E+04	273.3	3.1288
T14	2.24E+05	14.51E+4	0.12536	1.22E+05	29.27	0.2418	8.06E+04	282.13	0.2861	4.92E+05	20.28	2.3607	1.42E+05	282.84	4.7790	1.18E+05	19.93	5.9494	5.36E+05	166.38	1.1101	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1773.2	0.0000	8.55E+04	273.3	3.1288
T15	2.24E+05	14.51E+04	0.12536	1.22E+05	29.27	0.2418	8.06E+04	282.13	0.2861	4.92E+05	20.28	2.3607	1.42E+05	282.84	4.7790	1.18E+05	19.93	5.9494	5.36E+05	166.38	1.1101	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1773.2	0.0000	8.55E+04	273.3	3.1288
T16	2.24E+05	14.51E+04	0.12536	1.22E+05	29.27	0.2418	8.06E+04	282.13	0.2861	4.92E+05	20.28	2.3607	1.42E+05	282.84	4.7790	1.18E+05	19.93	5.9494	5.36E+05	166.38	1.1101	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1773.2	0.0000	8.55E+04	273.3	3.1288
T17	2.24E+05	14.51E+04	0.12536	1.22E+05	29.27	0.2418	8.06E+04	282.13	0.2861	4.92E+05	20.28	2.3607	1.42E+05	282.84	4.7790	1.18E+05	19.93	5.9494	5.36E+05	166.38	1.1101	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1773.2	0.0000	8.55E+04	273.3	3.1288
T18	2.24E+05	14.51E+04	0.12536	1.22E+05	29.27	0.2418	8.06E+04	282.13	0.2861	4.92E+05	20.28	2.3607	1.42E+05	282.84	4.7790	1.18E+05	19.93	5.9494	5.36E+05	166.38	1.1101	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1773.2	0.0000	8.55E+04	273.3	3.1288
T19	2.24E+05	14.51E+04	0.12536	1.22E+05	29.27	0.2418	8.06E+04	282.13	0.2861	4.92E+05	20.28	2.3607	1.42E+05	282.84	4.7790	1.18E+05	19.93	5.9494	5.36E+05	166.38	1.1101	3.25E+05	1237.45	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.88E+05	1773.2	0.0000	8.55E+04	273.3	3.1288
T20	1.85E+05	11.92E+5	0.12553	1.00E+05	25.34	0.2417	5.02E+04	206.20	0.2870	3.90E+05	10.71	0.3063	4.65E+05	198.31	4.7789	1.03E+05	14.56	5.9515	4.93E+05	167.78	1.1138	2.65E+05	1010.60	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.02E+05	155.1	0.0000	7.41E+04	236.6	3.1338
T21	1.56E+05	10.05E+3	0.12553	9.00E+05	20.26	0.2417	5.02E+04	195.34	0.2867	3.91E+05	10.71	0.3063	4.65E+05	198.31	4.7789	1.03E+05	14.56	5.9515	4.93E+05	167.78	1.1138	2.65E+05	1010.60	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.02E+05	155.1	0.0000	7.41E+04	236.6	3.1338
T22	1.48E+05	9.52E+4	0.12553	8.90E+05	18.01	0.2417	4.95E+04	195.34	0.2874	3.91E+05	10.71	0.3063	4.65E+05	198.31	4.7789	1.03E+05	14.56	5.9515	4.93E+05	167.78	1.1138	2.65E+05	1010.60	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.02E+05	155.1	0.0000	7.41E+04	236.6	3.1338
T23	1.32E+05	8.69E+4	0.12558	7.50E+05	18.01	0.2417	4.95E+04	173.65	0.2874	3.91E+05	10.71	0.3063	4.65E+05	198.31	4.7789	1.03E+05	14.56	5.9515	4.93E+05	167.78	1.1138	2.65E+05	1010.60	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	6.02E+05	155.1	0.0000	7.41E+04	236.6	3.1338
T24	4.23E+02	273.44E+2	0.1538	2.41E+05	58.04	0.4197	1.61E+02	50.012	0.2876	8.90E+05	289.07	0.3093	1.07E+05	457.019	2.367	3.65E+02	32.490	6.014	3.7550E+03	3.086	1.157	6.10E+02	2317.90	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	3.52E+03	10271.1	0.352	1.70E+02	5124.5	3.187
Max																																			

Total hourly NO <sub>x</sub> emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 70 km/h) - Under normal traffic condition																																			
ID	FCALGV-TOT			FCALGV<2.5-TOT			FLB-TOT	LOY2.5-TOT			HIV<15-TOT			HIV>15-TOT			MC-TOT			tax-TOT			PLB<3-TOT			NFB<6.4-TOT			NFB>15-TOT			RBS-TOT			
	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt		ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt	ton/hr	gm/hr	gm/lt				
T00	7.40E+04	5066.4	0.1478	2.20E+05	57.7	0.3811	1.38E+04	65.5	0.2732	1.14E+05	511.4	2.2232	8.09E+03	198.69	4.4809	8.09E+03	16.22	5.5072	1017.9	1.2260	6.51E+04	266.55	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	3.22E+02		
T01	5.50E+04	2922.6	0.1405	1.30E+05	43.3	0.2793	8.32E+04	37.58	0.2731	7.00E+05	27.3	2.2260	6.51E+03	14.63	4.4817	6.51E+03	118.5	5.5092	1.41E+03	1.2378	4.79E+04	19.58	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	40.6		
T02	4.30E+04	2702.6	0.1502	1.00E+05	33.3	0.2993	3.03E+04	37.58	0.2731	4.00E+05	179.4	2.2260	6.51E+03	11.62	4.4889	5.00E+04	93.6	5.5130	7.37E+04	587.3	1.2549	3.92E+04	15.560	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	29.7	
T03	3.51E+04	238.5	0.1501	1.00E+05	26.6	0.2753	8.90E+05	29.06	0.2727	4.30E+05	143.6	2.2319	3.41E+03	91.73	4.5003	6.02E+04	74.9	5.5033	6.92E+04	469.9	1.2171	3.05E+04	12.289	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	32.4	
T04	2.90E+04	199.8	0.1488	9.00E+06	22.2	0.4073	6.90E+05	29.06	0.2763	4.00E+04	2.36	2.2357	3.45E+03	76.46	4.5040	3.40E+04	62.4	5.5042	7.77E+04	391.6	1.2154	2.55E+04	10.24	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	18.7	
T05	3.48E+04	203.5	0.1488	1.00E+05	26.6	0.2753	8.90E+05	30.7	0.2760	4.30E+05	2.36	2.2404	4.14E+03	91.73	4.5134	4.13E+04	71.8	5.5136	6.99E+04	469.9	1.2024	3.07E+04	12.289	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	38.7	
T06	5.51E+04	2702.6	0.1488	1.00E+05	22.2	0.3753	1.31E+04	47.62	0.2731	8.30E+04	37.38	2.2404	6.56E+03	14.63	4.5134	6.56E+04	71.8	5.5136	6.99E+04	469.9	1.2024	3.07E+04	12.289	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	29.7	
T07	1.43E+03	27.32	0.1488	4.30E+05	125.28	0.2754	1.88E+04	58.1	0.2750	1.78E+05	2.94	2.2413	1.73E+02	38.12	4.5211	1.73E+02	311.9	5.5571	2.90E+03	1957.6	1.2055	1.82E+03	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	32.158		
T08	2.09E+03	140.29	0.1487	6.10E+05	150.9	0.3813	4.96E+04	18.40	0.2750	2.00E+04	98.6	2.2402	2.98E+02	59.02	4.5170	2.98E+02	499.1	5.5515	1.39E+03	28.787	1.2111	1.85E+03	7.7248	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	11.24	
T09	1.82E+03	127.78	0.1486	5.00E+05	139.9	0.3800	4.31E+04	15.83	0.2749	2.36E+04	75.57	2.3131	2.75E+03	48.14	4.5066	2.18E+03	392.9	5.5202	3.61E+03	246.7	1.2215	1.61E+03	6.515	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	32.129	
T10	1.67E+03	130.14	0.1472	4.00E+05	128.8	0.3800	3.98E+04	14.53	0.2739	2.17E+04	69.9	2.3288	1.99E+02	413.27	4.4879	2.00E+03	361.8	5.5207	3.61E+03	227.1	1.2193	1.61E+03	59.984	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	90.4	
T11	1.58E+03	119.41	0.1472	4.00E+05	122.1	0.3809	3.77E+04	13.70	0.2736	2.05E+04	68.0	2.3116	1.89E+02	403.5	4.4884	1.89E+03	343.1	5.5000	3.16E+03	215.36	1.2166	1.38E+03	50.322	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	33.912	
T12	1.40E+03	95.80	0.1462	4.00E+05	108.8	0.3803	3.35E+04	12.77	0.2729	1.95E+04	58.2	2.3163	1.68E+03	395.6	4.4751	1.68E+03	305.6	5.5000	2.81E+03	193.6	1.2082	1.22E+03	50.739	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	85.9	
T13	1.48E+03	101.32	0.1460	4.00E+05	115.5	0.3811	3.55E+04	13.29	0.2725	1.95E+04	62.1	2.3102	1.78E+02	374.1	4.4790	1.78E+03	324.3	5.4943	2.88E+03	203.0	1.2053	1.30E+03	53.551	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	76.5	
T14	1.57E+03	107.11	0.1460	4.00E+05	122.1	0.3809	3.76E+04	13.70	0.2729	1.95E+04	68.0	2.3101	1.88E+02	403.5	4.4751	1.89E+03	343.1	5.4975	3.06E+03	215.36	1.2087	1.27E+03	53.551	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	85.9	
T15	1.10E+03	110.67	0.1461	4.00E+05	126.6	0.3792	3.90E+04	14.82	0.2724	2.12E+04	63.19	2.3103	1.95E+02	436.3	4.4717	1.95E+03	355.5	5.4933	3.26E+03	223.8	1.2053	1.20E+03	58.711	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	33.800	
T16	1.17E+03	116.05	0.1461	4.00E+05	133.2	0.3828	4.09E+04	15.03	0.2721	2.02E+04	71.77	2.3107	2.05E+02	458.52	4.4698	2.00E+03	374.2	5.4916	3.40E+03	239.1	1.2090	1.35E+03	61.449	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	93.7	
T17	1.80E+03	122.65	0.1458	5.30E+05	139.9	0.3820	4.91E+04	15.83	0.2724	2.36E+04	75.57	2.3104	2.05E+02	461.48	4.4789	2.00E+03	392.9	5.4944	3.61E+03	227.1	1.2103	1.37E+03	61.515	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	96.4	
T18	1.92E+03	130.519	0.1467	5.00E+05	146.8	0.3831	4.38E+04	16.87	0.2728	2.49E+04	80.15	2.3213	2.29E+02	512.06	4.4750	2.40E+03	417.9	5.4988	3.80E+03	129.9	1.2091	1.48E+03	68.609	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	104.6	
T19	1.93E+03	130.519	0.1467	5.00E+05	146.8	0.3831	4.38E+04	16.87	0.2728	2.49E+04	80.15	2.3213	2.29E+02	512.06	4.4817	2.40E+03	417.9	5.5059	3.80E+03	129.9	1.2091	1.48E+03	68.609	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	104.6	
T20	1.30E+03	780.4	0.1480	3.80E+05	99.9	0.3803	3.08E+04	112.16	0.2731	1.67E+04	53.8	2.3102	1.97E+03	88.5	4.4793	1.55E+03	280.7	5.5018	2.58E+03	176.2	1.2267	1.13E+03	40.863	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	33.884	
T21	1.10E+03	700.2	0.1480	3.20E+05	84.4	0.3792	2.60E+04	95.21	0.2724	1.41E+04	45.16	2.3102	1.30E+02	290.4	4.4784	1.30E+03	237.0	5.5012	2.58E+03	176.2	1.2267	9.33E+04	38.12	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	79.3	
T22	1.09E+03	704.3	0.1481	3.00E+05	79.9	0.3783	2.40E+04	90.20	0.2722	1.31E+04	43.07	2.3112	1.23E+02	275.1	4.4758	1.20E+03	224.5	5.5002	2.06E+03	69.8	1.2284	9.33E+04	38.684	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	56.2	
T23	9.23E+04	62.14	0.1481	2.00E+05	71.0	0.3750	2.10E+04	40.0	0.2732	1.95E+04	38.28	2.3109	1.10E+02	245.5	4.4792	1.10E+03	199.6	5.5012	1.95E+03	237.64	1.2284	9.33E+04	38.684	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	33.881	
daily	2.07E+02	2018.73	0.1475	8.75E+04	2291.5	0.3818	7.07E+03	285.74	0.2736	4.53E+02	20297.8	2.2270	3.25E+01	78872.2	4.4862	1.97E+02	19776.2	5.5129	5.93E+02	40407.7	1.255	2.20E+02	105680.0	0.259	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	33.953
daily																																	3.22E+02		

### Appendix 3.10 Calculation of Maximum Fleet Average Vehicle Emission Factors

[illegible][illegible][illegible]

Appendix3.10 Calculation of Maximum Fleet Average Emission Factors

Total hourly NO <sub>x</sub> emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 50 km/h) - Under congestion traffic condition (11km/h)															
ID	FC&LGV4-TOT			FC&LGV2.5-TOT			PLB-TOT			LGV2.5-TOT			LGV2.5-TOT		
	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh
T00	1.45E+03	6883.9	0.2103	8.70E+05	1461	0.2942	3.43E+04	730.7	0.4694	3.88E+03	1146.0	3.38E+03	5.19E+03	948.8	3.16E+03
T01	1.00E+05	5031.8	0.2113	5.00E+05	876	0.2980	2.51E+04	594.1	0.4699	2.89E+03	897.2	6.08E+03	69.21	5.80E+03	138.8
T02	8.07E+04	3975.4	0.2131	4.00E+05	7040	0.2972	3.99E+04	881.2	0.4712	2.29E+03	705.3	3.99E+03	597.2	3.90E+03	90.0
T03	6.08E+04	3181.6	0.2131	3.00E+05	5247	0.3393	1.99E+04	357.8	0.4707	1.80E+03	524.7	3.40E+03	437.7	3.50E+03	79.0
T04	5.63E+04	2653.3	0.2122	4.00E+05	565	0.6021	2.27E+04	544.3	0.4711	1.50E+03	441.9	3.00E+03	365.3	3.60E+03	63.2
T05	6.07E+04	3018.1	0.2122	4.00E+05	677	0.5969	2.27E+04	662.5	0.4738	1.81E+03	524.7	3.40E+03	437.7	3.50E+03	79.0
T06	1.07E+05	5181.6	0.2124	5.00E+05	1017	0.2960	4.32E+04	1017.1	0.4737	2.00E+03	601.7	3.70E+03	692.1	3.60E+03	84.1
T07	2.81E+05	13.32E+03	0.2127	1.60E+04	281.4	0.2969	1.60E+04	271.30	0.4739	7.55E+03	202.8	3.40E+03	437.7	3.50E+03	79.0
T08	4.05E+05	19.52E+03	0.2124	2.27E+04	405.2	0.2972	1.61E+03	306.0	0.4735	8.95E+03	241.6	3.40E+03	437.7	3.50E+03	79.0
T09	33.3E+05	167.74	0.2119	2.12E+04	354.6	0.2978	1.31E+03	341.85	0.4180	8.30E+03	275.7	3.40E+03	437.7	3.50E+03	79.0
T10	32.3E+05	15.9E+04	0.2107	1.90E+04	326.1	0.2943	1.31E+03	316.67	0.4719	7.68E+03	202.8	3.40E+03	437.7	3.50E+03	79.0
T11	3.05E+05	14.51E+04	0.2098	1.80E+04	300.5	0.2944	1.24E+03	298.39	0.4702	8.22E+03	212.8	3.40E+03	437.7	3.50E+03	79.0
T12	2.70E+05	12.96E+04	0.2088	1.63E+04	275.8	0.2910	1.10E+03	268.85	0.4149	7.65E+03	154.0	3.40E+03	437.7	3.50E+03	79.0
T13	2.60E+05	13.70E+04	0.2079	1.73E+04	292.7	0.2911	1.17E+03	282.13	0.4149	6.81E+03	140.0	3.40E+03	437.7	3.50E+03	79.0
T14	3.03E+05	14.51E+04	0.2085	1.83E+04	300.5	0.2912	1.24E+03	298.39	0.4149	7.65E+03	154.0	3.40E+03	437.7	3.50E+03	79.0
T15	3.14E+05	15.08E+04	0.2080	1.90E+04	308.8	0.2922	1.28E+03	309.26	0.4145	7.50E+03	160.2	3.40E+03	437.7	3.50E+03	79.0
T16	3.31E+05	15.87E+04	0.2083	2.00E+04	337.7	0.2923	1.35E+03	325.52	0.4145	8.09E+03	168.5	3.40E+03	437.7	3.50E+03	79.0
T17	3.48E+05	16.774	0.2091	2.10E+04	354.6	0.2922	1.42E+03	341.85	0.4145	8.29E+03	180.6	3.40E+03	437.7	3.50E+03	79.0
T18	3.71E+05	17.729	0.2101	2.23E+04	377.1	0.2914	1.51E+03	363.48	0.4145	8.82E+03	188.0	3.40E+03	437.7	3.50E+03	79.0
T19	3.73E+05	17.729	0.2101	2.23E+04	377.1	0.2914	1.51E+03	363.48	0.4145	8.82E+03	188.0	3.40E+03	437.7	3.50E+03	79.0
T20	2.51E+05	11.91E+05	0.2103	1.50E+04	253.4	0.2920	1.01E+03	244.23	0.4152	5.93E+03	126.1	3.40E+03	437.7	3.50E+03	79.0
T21	2.12E+05	10.057.3	0.2103	1.27E+04	213.9	0.2937	8.50E+04	206.20	0.4151	5.01E+03	107.2	3.40E+03	437.7	3.50E+03	79.0
T22	2.00E+05	9.527.4	0.2103	1.20E+04	202.6	0.2922	8.10E+04	195.34	0.4151	4.74E+03	101.1	3.40E+03	437.7	3.50E+03	79.0
T23	1.78E+05	8.694	0.2105	1.07E+04	180.1	0.2940	7.31E+04	173.65	0.4152	4.22E+03	88.9	3.40E+03	437.7	3.50E+03	79.0
Max	5.72E+05	273.44E+03	0.2103	3.45E+05	5809.4	0.2937	2.33E+04	5000.12	0.4159	1.30E+04	2889.07	3.41E+03	5.19E+03	948.8	3.16E+03
Max															

Total hourly NO <sub>x</sub> emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 70 km/h) - Under congestion traffic condition (11km/h)															
ID	FC&LGV4-TOT			FC&LGV2.5-TOT			PLB-TOT			LGV2.5-TOT			LGV2.5-TOT		
	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh	ton/hr	gmiile-VMT/hr	veh
T00	1.07E+05	5066.4	0.2104	5.00E+05	876	0.2980	2.71E+04	615.5	0.4160	1.78E+03	511.4	3.38E+03	5.19E+03	948.8	3.16E+03
T01	7.82E+04	3722.6	0.2112	2.50E+05	422	0.2926	1.08E+04	476.1	0.4159	1.07E+03	317.8	3.38E+03	5.19E+03	948.8	3.16E+03
T02	6.23E+04	2922.6	0.2131	2.00E+05	353	0.6004	1.26E+04	295.8	0.4151	8.40E+03	296.1	3.40E+03	437.7	3.50E+03	79.0
T03	4.08E+04	2338.5	0.2121	1.60E+05	266	0.6004	1.26E+04	295.8	0.4151	8.40E+03	296.1	3.40E+03	437.7	3.50E+03	79.0
T04	4.14E+04	1948.6	0.2125	1.30E+05	222	0.2854	1.05E+04	250.6	0.4160	5.00E+05	876	0.2980	2.71E+04	615.5	0.4160
T05	4.09E+04	2338.5	0.2121	1.60E+05	266	0.6004	1.26E+04	295.8	0.4151	8.40E+03	296.1	3.40E+03	437.7	3.50E+03	79.0
T06	7.87E+04	3702.6	0.2126	2.60E+05	412	0.2926	1.09E+04	476.1	0.4159	1.08E+03	317.8	3.38E+03	5.19E+03	948.8	3.16E+03
T07	2.07E+05	9742.5	0.2127	6.00E+05	1110	0.2965	5.25E+04	1258.4	0.4181	4.80E+03	861.3	3.40E+03	437.7	3.50E+03	79.0
T08	2.98E+05	14029.0	0.2124	3.00E+05	5199	0.6003	7.35E+04	1840.4	0.4181	3.50E+03	1011.3	3.40E+03	437.7	3.50E+03	79.0
T09	2.60E+05	12.75E+04	0.2084	8.30E+05	1339	0.2933	6.31E+04	1578.5	0.4181	3.50E+03	1011.3	3.40E+03	437.7	3.50E+03	79.0
T10	2.38E+05	11.30E+04	0.2107	7.70E+05	1288	0.2978	6.06E+04	1453.2	0.4178	3.27E+03	693.9	3.40E+03	437.7	3.50E+03	79.0
T11	2.23E+05	10.717.1	0.2098	7.30E+05	1211	0.2978	5.73E+04	1378.0	0.4178	3.27E+03	693.9	3.40E+03	437.7	3.50E+03	79.0
T12	1.99E+05	9.58E+04	0.2082	6.40E+05	1188	0.2882	5.09E+04	1227.7	0.4166	2.75E+03	586.2	3.40E+03	437.7	3.50E+03	79.0
T13	2.11E+05	10.32.3	0.2078	6.80E+05	1155	0.2889	5.40E+04	1302.9	0.4164	2.92E+03	614.1	3.40E+03	437.7	3.50E+03	79.0
T14	2.23E+05	10.717.1	0.2083	7.30E+05	1211	0.2896	5.72E+04	1378.0	0.4161	3.09E+03	681.9	3.40E+03	437.7	3.50E+03	79.0
T15	2.31E+05	11.06E+04	0.2081	7.80E+05	1266	0.2926	6.25E+04	1482.4	0.4155	3.20E+03	681.9	3.40E+03	437.7	3.50E+03	79.0
T16	2.41E+05	11.69E+05	0.2083	8.30E+05	1339	0.2930	6.31E+04	1578.5	0.4144	3.30E+03	717.7	3.40E+03	437.7	3.50E+03	79.0
T17	2.56E+05	12.75E+04	0.2084	8.80E+05	1392	0.2933	6.51E+04	1578.5	0.4144	3.35E+03	753.9	3.40E+03	437.7	3.50E+03	79.0
T18	2.73E+05	13.051.9	0.2091	8.80E+05	1468	0.2915	6.90E+04	1678.7	0.4147	3.70E+03	801.5	3.40E+03	437.7	3.50E+03	79.0
T19	2.74E+05	13.051.9	0.2091	8.80E+05	1468	0.2915	6.90E+04	1678.7	0.4147	3.70E+03	801.5	3.40E+03	437.7	3.50E+03	79.0
T20	1.81E+05	8768.8	0.2103	5.00E+05	876	0.2904	4.68E+04	1127.6	0.4152	2.55E+03	558.4	3.40E+03	437.7	3.50E+03	79.0
T21	1.56E+05	7.041.2	0.2104	4.00E+05	944	0.2926	3.95E+04	952.1	0.4149	2.13E+03	451.6	3.40E+03	437.7	3.50E+03	79.0
T22	1.48E+05	7.014.5	0.2104	4.00E+05	944	0.2926	3.95E+04	952.1	0.4149	2.13E+03	451.6	3.40E+03	437.7	3.50E+03	79.0
T23	1.31E+05	6.234.2	0.2106	4.70E+05	719	0.2880	3.71E+04	801.7	0.4151	1.80E+03	382.8	3.40E+03	437.7	3.50E+03	79.0
Max	4.22E+05	201.087.3	0.2103	1.30E+05	2291.5	0.2939	1.08E+04	2887.74	0.4159	1.30E+03	2889.07	3.41E+03	5.19E+03	948.8	3.16E+03
Max															

Total hourly NO <sub>x</sub> emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 80 km/h) - Under congestion traffic condition (10km/h)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
ID	FC&LGV-TOT			LGV2.5-TOT			PLB-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT			LGV2.5-TOT		

Appendix 3.10 Calculation of Maximum Fleet Average Emission Factors

Total hourly RSP emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 50 km/h) - Under congestion traffic condition (10km)															
PCALGV-TOT		PCALGV<2.5>-TOT		PLB-TOT		LGV>3.5>-TOT		HGV<1.5>-TOT		HGV>1.5>-TOT		FBDD-TOT		MC-TOT	
ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km
100	1.37E+04	6883.9	0.0199	4.30E+05	1464	0.2937	2.57E+04	1411.4	0.8803	4.26E+04	1501.3	0.6268	9.15E+03	99.7	0.5518
101	1.00E+04	5933.8	0.0199	3.08E+05	1031	0.1822	2.56E+04	837.7	0.4793	3.11E+04	1077.2	0.6261	5.59E+05	818.8	0.0896
102	7.00E+05	3075.4	0.0198	2.90E+05	866	0.1835	2.03E+04	815.2	0.7907	2.46E+04	872.0	0.6259	3.00E+05	98.6	0.0896
103	6.00E+05	3181.6	0.0199	1.00E+05	634.5	0.273	1.63E+04	529.7	0.3717	5.13E+04	171.0	0.6258	3.00E+05	472.9	0.0896
104	5.20E+05	2653.3	0.0200	1.60E+05	565	0.1839	1.35E+04	281.9	0.4788	1.64E+04	441.9	0.6257	2.00E+05	378.5	0.0819
105	6.00E+05	3181.6	0.0201	2.00E+05	677	0.2054	1.97E+04	529.7	0.4795	1.37E+04	494.5	0.6258	2.00E+05	315.7	0.0887
106	1.00E+04	5933.8	0.0200	3.08E+05	1031	0.1822	2.56E+04	837.7	0.3719	4.37E+04	1077.2	0.6259	3.00E+05	98.6	0.0885
107	2.00E+04	1332.6	0.0200	8.00E+05	2814	0.2914	4.91E+04	2713.0	0.4800	1.46E+04	381.5	0.6257	1.90E+04	1573.9	0.0885
108	3.50E+04	1952.3	0.0200	1.10E+04	396.0	0.1821	8.18E+03	220.8	0.3713	1.81E+03	49.6	0.6256	1.90E+04	286.2	0.0885
109	3.50E+04	1674.1	0.0199	1.00E+04	346.4	0.1820	8.18E+03	275.7	0.3714	2.88E+04	2019.6	0.6257	1.90E+04	1983.4	0.0885
110	3.00E+04	1598.4	0.0198	9.00E+05	3167	0.2803	9.49E+04	2535.0	0.4800	3.90E+04	2109.6	0.6255	1.47E+04	1825.7	0.0885
111	2.80E+04	1453.6	0.0198	8.00E+05	2925	0.2803	8.49E+04	2422.8	0.3714	2.00E+03	517.6	0.6254	1.47E+04	1731.3	0.0797
112	2.50E+04	1296.4	0.0198	8.00E+05	2683.5	0.1820	7.00E+04	2136.4	0.3715	1.99E+03	517.6	0.6253	1.22E+04	1228.6	0.0885
113	2.70E+04	1370.9	0.0199	8.00E+05	2821.3	0.1818	6.60E+04	1940.8	0.4800	4.35E+04	1891.7	0.6254	1.22E+04	1592.2	0.0791
114	2.80E+04	1453.6	0.0199	9.00E+05	2925	0.2803	9.49E+04	2422.8	0.3715	1.88E+03	517.6	0.6253	1.37E+04	1731.3	0.0791
115	2.90E+04	1508.3	0.0198	9.00E+05	3028	0.2802	9.49E+04	2511.1	0.4800	5.30E+04	2019.6	0.6256	1.43E+04	1794.2	0.0885
116	3.15E+04	1674.1	0.0199	9.00E+05	3317	0.2802	9.49E+04	2615.2	0.3715	5.80E+04	2184.0	0.6257	1.51E+04	1888.6	0.0880
117	3.35E+04	1772.9	0.0199	1.00E+04	3618.5	0.1820	1.00E+03	2951.4	0.3714	2.28E+03	587.1	0.6256	1.60E+04	1983.4	0.0880
118	3.35E+04	1772.9	0.0198	1.00E+04	3618.5	0.1819	9.00E+05	2951.4	0.4800	2.42E+03	587.1	0.6257	1.60E+04	2108.8	0.0792
119	3.35E+04	1772.9	0.0198	1.00E+04	3618.5	0.1819	9.00E+05	2951.4	0.3714	2.42E+03	587.1	0.6256	1.60E+04	2108.8	0.0792
120	2.90E+04	11912.5	0.0198	1.00E+05	2534	0.2921	4.44E+04	2442.3	0.4800	4.18E+04	1657.8	0.6255	1.66E+04	2108.8	0.0797
121	2.00E+04	10057.3	0.0199	6.00E+05	2026	0.2898	3.75E+04	1953.4	0.3715	3.35E+04	1382.8	0.6253	9.50E+05	1196.3	0.0885
122	1.80E+04	9527.4	0.0198	5.00E+05	2026	0.2912	3.45E+04	1586.1	0.4800	7.00E+05	1456.6	0.6253	9.50E+05	1196.3	0.0882
123	1.08E+04	8469.4	0.0198	3.20E+05	1801	0.2887	3.16E+04	1736.5	0.3716	1.08E+03	1161.8	0.6258	8.30E+05	1007.4	0.0824
124	5.02E+05	27344.2	0.0199	1.60E+05	5809.4	0.2913	1.02E+02	5001.2	0.4800	1.69E+02	4570.9	0.6255	2.64E+05	32400.0	0.0824
Max			0.020		0.296		0.182		0.481		0.565		0.256		0.090

Total hourly RSP emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 70 km/h) - Under congestion traffic condition (10km)															
PCALGV-TOT		PCALGV<2.5>-TOT		PLB-TOT		LGV>3.5>-TOT		HGV<1.5>-TOT		HGV>1.5>-TOT		FBDD-TOT		MC-TOT	
ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km
100	1.01E+04	5066.4	0.0199	1.70E+05	577	0.2945	1.19E+04	651.5	0.1827	1.49E+04	511.4	0.3715	1.25E+03	1017.9	0.0815
101	7.00E+05	3072.6	0.0200	1.00E+05	422	0.2844	8.00E+05	475.1	0.1827	9.00E+05	490.8	0.2556	3.00E+05	830E+05	0.0815
102	5.00E+05	2702.6	0.0198	1.00E+05	378	0.3801	7.00E+05	415.2	0.1827	7.00E+05	415.2	0.2556	3.00E+05	830E+05	0.0815
103	4.00E+05	2138.5	0.0197	8.00E+05	300.7	0.4786	8.00E+05	326.1	0.1827	5.75E+04	917.3	0.2549	3.00E+05	830E+05	0.0815
104	3.00E+05	1948.6	0.0200	6.00E+06	250.6	0.1836	5.70E+05	145.7	0.4786	4.70E+04	761.6	0.2549	3.00E+05	916.3	0.0889
105	4.00E+05	2138.5	0.0200	8.00E+05	300.7	0.1827	8.00E+05	326.1	0.1827	5.75E+04	917.3	0.2549	3.00E+05	916.3	0.0889
106	7.00E+05	3072.6	0.0201	1.00E+05	422	0.2844	8.00E+05	475.1	0.1827	9.00E+05	490.8	0.2556	3.00E+05	830E+05	0.0815
107	1.90E+04	9424.5	0.0199	3.00E+05	583.1	0.4798	3.65E+04	983.4	0.3719	9.00E+04	1452.3	0.6266	6.00E+05	744.1	0.0885
108	2.90E+04	14225.8	0.0199	4.00E+05	1894.0	0.1818	4.13E+04	861.3	0.4800	2.58E+04	449.1	0.6257	3.50E+04	1957.6	0.0885
109	2.40E+04	12275.8	0.0199	4.00E+05	1588.5	0.1819	3.89E+05	753.7	0.3715	3.45E+03	580.2	0.6256	2.02E+04	2466.7	0.0819
110	2.40E+04	1300.4	0.0198	3.00E+05	583.1	0.4799	4.00E+04	1140.7	0.3717	3.20E+03	493.7	0.6265	2.02E+04	2466.7	0.0819
111	1.90E+04	9424.5	0.0198	3.00E+05	583.1	0.4799	3.89E+05	753.7	0.3716	2.63E+03	493.7	0.6265	1.83E+04	2151.6	0.0806
112	1.90E+04	9424.5	0.0198	3.00E+05	583.1	0.4799	3.89E+05	753.7	0.3715	2.35E+03	493.7	0.6264	1.83E+04	2151.6	0.0806
113	2.00E+04	10133.3	0.0198	3.00E+05	622.1	0.4806	3.00E+04	1022.8	0.3715	2.40E+03	507.1	0.6266	1.80E+04	2086.6	0.0791
114	2.10E+04	11073.7	0.0198	3.00E+05	622.1	0.4803	3.00E+04	1081.7	0.3717	2.50E+03	543.1	0.6266	1.71E+04	2056.0	0.0791
115	2.20E+04	11167.7	0.0198	3.00E+05	626.6	0.4795	4.16E+04	1121.1	0.3711	2.70E+03	585.5	0.6266	1.80E+04	2078.8	0.0788
116	2.20E+04	11600.5	0.0198	3.00E+05	633.9	0.4795	4.16E+04	1193.3	0.3716	2.70E+03	585.2	0.6266	1.80E+04	2349.1	0.0800
117	2.40E+04	12275.8	0.0199	4.00E+05	1339	0.2931	2.70E+04	1593.3	0.1816	4.38E+04	1180.1	0.2557	1.88E+04	2466.7	0.0800
118	2.40E+04	12275.8	0.0199	4.00E+05	1339	0.2931	2.70E+04	1593.3	0.1818	3.62E+04	1294.1	0.2558	1.99E+04	2466.7	0.0800
119	2.50E+04	13519.9	0.0198	4.00E+05	1468	0.2890	3.05E+04	1687.7	0.1817	3.85E+04	1317.7	0.2559	2.08E+04	2623.4	0.0795
120	1.40E+04	7068.4	0.0198	2.00E+05	999	0.2902	1.73E+04	962.1	0.1818	2.80E+04	885.1	0.2560	1.90E+04	1762.0	0.0789
121	1.40E+04	7014.5	0.0198	2.00E+05	769	0.2877	1.64E+04	902.0	0.1817	2.40E+04	747.4	0.2556	1.80E+04	1467.8	0.0789
122	1.30E+04	6214.2	0.0199	2.00E+05	710	0.2956	1.46E+04	811.7	0.1821	1.80E+04	624.3	0.2561	1.45E+04	1469.5	0.0809
123	3.00E+05	10087.3	0.0199	6.00E+04	2291.5	0.2911	4.20E+03	25857.4	0.1819	5.93E+05	1245.8	0.2557	3.28E+05	1252.8	0.0822
Max			0.020		0.291		0.184		0.481		0.561		0.256		0.092

Total hourly RSP emissions by 16 vehicle classes in Year 2016 (Road group with design speed limit of 80 km/h) - Under congestion traffic condition (10km)																																		
PCALGV-TOT		PCALGV<2.5>-TOT		PLB-TOT		LGV>3.5>-TOT		HGV<1.5>-TOT		HGV>1.5>-TOT		FBDD-TOT		MC-TOT		Isat-TOT		PM<3.5>-TOT		PM<3.5>-TOT		NRE<4-TOT		NRE<4-TOT		NRE>15-TOT		NRE>15-TOT		HSSD-TOT				
ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km	ton/hr	gm/ton-km			
100	8.50E+05	4286.0	0.0198	1.60E+05	73.3	0.2864	1.91E+04	1067.4	0.1818	2.70E+05	55.8	0.4835	3.05E+04	820.4	0.3718	2.95E+04	2865.8	0.0872	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
101	6.00E+05	3133.1	0.0198	1.00E+05	53.6	0.2984	1.42E+04	780.4	0.1820	2.00E+05	40.8	0.4901	2.23E+04	594.8	0.3718	1.83E+04	2095.2	0.0872	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
102	4.00E+05	2473.2	0.0198	1.00E+05	42.3	0.2836	1.12E+04	615.9	0.1819	1.50E+05	32.2	0.4656	1.70E+04	473.4	0.3718	1.41E+04	1653.7	0.0871	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
103	3.00E+05	1978.9	0.0197	1.00E+05	33.8	0.2954	9.00E+05	492.8	0.1826	1.20E+05	25.8	0.4654	1.41E+04	378.7	0.3723	1.16E+04	1323.1	0.0871	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
104	3.30E+05	1649.3	0.0200	8.00E+06	28.2	0.2835	7.50E+05	492.8	0.1826	1.00E+05	21.5	0.4654	1.17E+04	315.7	0.3706	1.00E+00	1102.9	0.0870	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
105	4.00E+05	1978.9	0.0202	1.00E+05	33.8	0.2954	9.00E+05	492.8	0.1826	1.20E+05	25.8	0.4654	1.41E+04	378.7	0.3723	1.00E+00	1102.9	0.0870	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
106	6.00E+05	3133.1	0.0201	1.00E+05	53.6	0.2984	1.42E+04	780.4	0.1820	2.00E+05	40.8	0.4901	2.23E+04	594.8	0.3718	1.83E+04	2095.2	0.0873	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
107	1.60E+04	8243.1	0.0101	4.00E+05	141.0	0.2907	3.73E+04	2052.9	0.1817	5.80E+04	107.4	0.4842	5.80E+04	1577.8	0.3714	4.81E+04	5511.9	0.0873	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
108	2.90E+04	10867.0	0.0199	5.90E+05	203.1	0.2903	5.80E+04	2956.3	0.1820	7.40E+05	151.6	0.4785	8.41E+04	2272.1	0.3715	6.03E+04	7937.4	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
109	2.00E+04	10876.9	0.0198	5.20E+05	177.7	0.2926	4.71E+04	2586.8	0.1821	6.00E+05	135.3	0.4804	7.88E+04	1988.1	0.3712	6.07E+04	6945.4	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
110	1.90E+04	9068.6	0.0199	4.80E+05	163.6	0.2900	4.33E+04	2288.2	0.1818	5.70E+05	124.1	0.4825	6.80E+04	1830.4	0.3715	5.80E+04	6394.2	0.0873	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
111	1.80E+04	9068.6	0.0198	4.50E+05	155.2	0.2900	4.13E+04	2288.2	0.1820	5.70E+05	118.1	0.4825	6.50E+04	1735.8	0.3716	5.30E+04	6063.9	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
112	1.70E+04	8073.8	0.0198	4.30E+05	146.7	0.2932	3.68E+04	2125.1	0.1819	5.10E+05	105.2	0.4846	5.71E+04	1596.4	0.3712	4.72E+04	5402.1	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
113	1.70E+04	8073.8	0.0198	4.30E+05	146.7	0.2932	3.68E+04	2125.1	0.1819	5.10E+05	105.2	0.4846	5.71E+04	1596.4	0.3712	4.72E+04	5402.1	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
114	1.80E+04	9068.6	0.0198	4.50E+05	155.2	0.2900	4.13E+04	2288.2	0.1820	5.70E+05	118.1	0.4825	6.50E+04	1735.8	0.3716	5.30E+04	6063.9	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
115	1.80E+04	9068.6	0.0198	4.70E+05	160.8	0.2923	4.20E+04	2288.2	0.1819	5.90E+05	122.4	0.4809	6.80E+04	1798.9	0.3713	5.90E+04	6284.0	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
116	1.90E+04	9891.5	0.0198	4.90E+05	169.2	0.2928	4.80E+04	2463.3	0.1819	6.20E+05	128.9	0.4811	7.03E+04	1893.4	0.3713	5.90E+04	6614.2	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
117	2.00E+04	10869.5	0.0198	5.20E+05	177.7	0.2926	4.71E+04	2586.8	0.1821	6.50E+05	135.3	0.4809	7.88E+04	1988.1	0.3712	6.07E+04	6945.4	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
118	2.10E+04	11066.7	0.0198	5.50E+05	189.0	0.2910	5.00E+04	2751.3	0.1817	6.90E+05	143.9	0.4795	7.85E+04	2114.6	0.3712	6.00E+00	7865.9	0.0873	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
119	2.10E+04	11066.7	0.0198	5.50E+05	189.0	0.2910	5.00E+04	2751.3	0.1817	6.90E+05	143.9	0.4795	7.85E+04	2114.6	0.3712	6.00E+00	7865.9	0.0873	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
120	1.70E+04	8073.8	0.0198	4.30E+05	146.7	0.2932	3.68E+04	2125.1	0.1819	5.10E+05	96.7	0.4799	5.20E+04	1420.1	0.3711	4.33E+04	4961.2	0.0873	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
121	1.20E+04	6265.0	0.0198	3.00E+05	107.2	0.2915	2.84E+04	1500.2	0.1828	3.90E+05	86.1	0.4778	4.45E+04	1199.1	0.3711	3.66E+04	4189.0	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
122	1.18E+04	5935.2	0.0199	3.00E+05	90.3	0.2981	2.90E+04	1478.1	0.1820	3.70E+05	77.3	0.4785	4.22E+04	1136.1	0.3713	3.77E+04	3968.7	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
123	1.05E+04	5276.1	0.0199	2.60E+05	90.5	0.2984	2.30E+04	1313.9	0.1820	3.30E+05	66.3	0.4801	3.75E+04	1009.9	0.3715	3.08E+04	3527.9	0.0874	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
124	3.88E+03	1701.0	0.0199	8.48E+04	291.0	0.2913	7.97E+03	49375.3	0.1819	1.06E+06	2216.6	0.4901	1.31E+04	3508.7	0.3714	9.91E+03	11377.67	0.0873	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	0.00E+00	0.0	0.0000	
Sub=			0.020		0.298				0.183		0.490		0.372		0.372		0.088													0.000		0.000		0.000

Detailed Calculation of Ratio of Total Pollutant Emissions to Corresponding Averaged AQO

Vehicle Classes	Total Daily NO <sub>x</sub> Emissions (ton/day) by using Peak Hour Flow Speed			Total Daily RSP Emissions (ton/day) by using Peak Hour Flow Speed			Total Daily CO Emissions (ton/day) by using Peak Hour Flow Speed		
	50	70	80	50	70	80	50	70	80
PC&LGV	0.042296	0.029661	0.022704	0.001887	0.001221	0.000626	1.095395	0.742843	0.540802
PC&LGV <2.5t	0.002438	0.000875	0.001097	0.000959	0.000275	0.000279	0.003890	0.001016	0.000993
LGV2.5-3.5t	0.016105	0.007068	0.011236	0.005522	0.002039	0.002520	0.029544	0.010446	0.012094
PLB	0.008964	0.003945	0.000697	0.006781	0.002593	0.000327	0.049451	0.020551	0.003395
LGV>3.5t	0.106800	0.045203	0.070477	0.009185	0.003278	0.003944	0.035241	0.012012	0.013558
HGV<15t	0.282233	0.353869	0.000000	0.019431	0.017448	0.000000	0.080489	0.067417	0.000000
HGV>15t	0.023584	0.035486	0.000000	0.001196	0.001235	0.000000	0.009328	0.008742	0.000000
FBDD	0.113123	0.059288	0.000000	0.003934	0.001734	0.000000	0.029453	0.012809	0.000000
MC	0.036428	0.049224	0.000000	0.001757	0.002077	0.000000	1.203692	1.644598	0.000000
Sub-total(MC)	0.631971	0.584518	0.106211	0.050651	0.0319	0.007696	2.536484	2.520434	0.570843
Taxi	0.060952	0.025984	0.025277	0.006686	0.002579	0.001790	1.238850	0.510998	0.476448
PrLB<3.5t	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
PrLB>3.5t	0.003585	0.001657	0.001819	0.002669	0.001068	0.000899	0.010760	0.004637	0.004390
NFB<6.4t	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
NFB 6.4-15t	0.139023	0.120759	0.000000	0.006605	0.004289	0.000000	0.039532	0.024716	0.000000
NFB>15t	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
FBSD	0.017026	0.005148	0.000000	0.001115	0.000301	0.000000	0.003295	0.000909	0.000000
Sub-total(TAXI)	0.220586	0.153548	0.027097	0.017075	0.008237	0.002688	1.292436	0.541259	0.480838
Sub Total Emissions(tons/day)	0.852557	0.73807	0.133307	0.0677	0.0401	0.0104	3.8289	3.0617	1.0517
Sub Total Emissions(g/s) <sup>1</sup>	9.86755787	8.542430556	1.542905093	0.783865741	0.464548611	0.120185185	44.3162037	35.43626157	12.1722338
Total Emissions(g/s) <sup>1</sup>	3.9906			1.3686			91.9247		
24-hour Averaged AQO <sup>2</sup>	150			180			-		
Ratio(E/AQO)=	0.0266			0.0076			10000		
8-hour Averaged AQO <sup>2</sup>	-			-			0.0092		
Ratio(E/AQO)=	-			-			30000		
1-hour Averaged AQO <sup>3</sup>	300			-			0.0031		
Ratio(E/AQO)=	0.0133			-			-		

Notes:

1. The total emission of "4.0113" should be the total NO<sub>2</sub> emission.
2. There is no 24-hour average AQO for CO, the AQO of CO for shorter period of 8-hour CO is used
3. There is no 1-hour average AQO for RSP, only the ratio(E/AQO) of NO<sub>2</sub> and CO are presented.