2018 without Project

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
1	0	37%	11%	1%	19%	12%	2%	4%	0%	2%	1%	1%	1%	1%	1%	4%	7%	197	230	EX	70	70	23	82	0	0.674	30.532	0.020	0.908	0.018	0.833
1	1	37%	11%	1%	20%	12%	1%	4%	0%	2%	1%	0%	0%	0%	0%	4%	7%	115	230	EX	70	70	22	82	0	0.639	16.903	0.017	0.443	0.015	0.406
1	2	37%	11%	0%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	75	230	EX	70	70	22	83	0	0.643	11.086	0.018	0.302	0.016	0.278
1	3	37%	11%	0%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	76	230	EX	70	70	22	83	0	0.635	11.109	0.017	0.303	0.016	0.278
1	4	36%	11%	0%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	76	230	EX	70	70	22	83	0	0.651	11.381	0.018	0.311	0.016	0.285
1	5	36%	11%	1%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	5%	8%	112	230	EX	70	70	22	83	0	0.661	17.019	0.017	0.447	0.016	0.409
1	6	35%	10%	0%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	224	230	EX	70	70	22	83	0	0.664	34.232	0.018	0.911	0.016	0.835
1	7	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	372	230	EX	70	70	22	82	0	0.674	57.630	0.018	1.540	0.016	1.412
1	8	34%	10%	1%	23%	14%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	9%	483	230	EX	70	70	23	79	0	0.670	74.418	0.018	2.001	0.017	1.835
1	9	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	491	230	EX	70	70	23	77	0	0.680	76.825	0.019	2.143	0.017	1.965
1	10	35%	10%	1%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	457	230	EX	70	70	24	74	0	0.663	69.654	0.019	1.969	0.017	1.806
1	11	36%	11%	1%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	419	230	EX	70	70	25	72	0	0.653	62.961	0.018	1.777	0.017	1.630
1	12	37%	11%	1%	20%	12%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	7%	425	230	EX	70	70	25	71	0	0.652	63.701	0.019	1.835	0.017	1.684
1	13	38%	11%	1%	20%	12%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	7%	429	230	EX	70	70	25	71	0	0.646	63.779	0.019	1.834	0.017	1.684
1	14	38%	12%	1%	19%	11%	1%	4%	0%	1%	1%	1%	0%	1%	0%	4%	6%	432	230	EX	70	70	25	71	0	0.645	64.084	0.019	1.879	0.017	1.725
1	15	39%	12%	0%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	6%	473	230	EX	70	70	25	72	0	0.630	68.518	0.019	2.059	0.017	1.891
1	16	40%	13%	0%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	5%	517	230	EX	70	70	24	74	0	0.638	75.854	0.019	2.253	0.017	2.069
1	17	41%	13%	0%	17%	10%	1%	4%	0%	2%	1%	1%	0%	1%	0%	4%	5%	521	230	EX	70	70	24	76	0	0.625	74.930	0.019	2.266	0.017	2.082
1	18	40%	13%	1%	18%	11%	1%	4%	0%	2%	1%	1%	1%	1%	0%	4%	5%	440	230	EX	70	70	23	77	0	0.645	65.239	0.019	1.960	0.018	1.801
1	19	39%	13%	1%	18%	11%	1%	4%	0%	2%	1%	1%	1%	1%	0%	4%	5%	360	230	EX	70	70	23	78	0	0.654	54.175	0.020	1.642	0.018	1.508
1	20	39%	12%	1%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	6%	316	230	EX	70	70	23	79	0	0.631	45.839	0.018	1.334	0.017	1.225
1	21	39%	12%	0%	19%	11%	2%	4%	0%	2%	1%	0%	0%	0%	0%	4%	6%	275	230	EX	70	70	23	80	0	0.654	41.349	0.019	1.203	0.017	1.105
1	22	38%	12%	0%	19%	11%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	236	230	EX	70	70	23	81	0	0.650	35.302	0.019	1.043	0.018	0.958
1	23	38%	12%	0%	19%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	235	230	EX	70	70	23	81	0	0.652	35.235	0.019	1.042	0.018	0.956
2	0	40%	10%	1%	17%	10%	1%	3%	1%	3%	3%	1%	1%	1%	1%	3%	6%	208	420	EX	70	70	23	82	0	0.620	54.137	0.020	1.744	0.018	1.602
2	1	41%	10%	1%	17%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	3%	6%	123	420	EX	70	70	22	82	0	0.612	31.622	0.020	1.052	0.019	0.966
2	2	40%	11%	0%	17%	9%	1%	4%	0%	4%	2%	1%	1%	1%	0%	4%	6%	85	420	EX	70	70	22	83	0	0.644	22.975	0.023	0.810	0.021	0.744
2	3	42%	11%	0%	16%	10%	1%	4%	0%	4%	2%	1%	1%	1%	0%	4%	5%	84	420	EX	70	70	22	83	0	0.642	22.667	0.023	0.799	0.021	0.735
2	4	41%	12%	0%	15%	9%	1%	4%	0%	4%	4%	1%	1%	1%	0%	4%	5%	86	420	EX	70	70	22	83	0	0.640	23.133	0.023	0.821	0.021	0.754
2	5	42%	12%	0%	15%	9%	2%	3%	1%	4%	3%	1%	1%	1%	0%	3%	5%	127	420	EX	70	70	22	83	0	0.588	31.370	0.020	1.063	0.018	0.976
2	6	42%	13%	0%	14%	8%	1%	4%	0%	4%	3%	1%	1%	1%	0%	3%	5%	256	420	EX	70	70	22	83	0	0.598	64.333	0.020	2.129	0.018	1.957
2	7	43%	13%	1%	14%	8%	1%	4%	1%	4%	3%	1%	1%	1%	0%	3%	4%	428	420	EX	70	70	22	82	0	0.591	106.166	0.019	3.467	0.018	3.186
2	8	43%	14%	0%	13%	8%	1%	4%	1%	4%	3%	1%	1%	1%	0%	3%	4%	558	420	EX	70	70	23	79	0	0.570	133.489	0.018	4.299	0.017	3.951
2	9	43%	13%	0%	14%	8%	1%	3%	1%	4%	3%	1%	1%	1%	0%	3%	5%	555	420	EX	70	70	23	77	0	0.579	134.954	0.018	4.308	0.017	3.958
2	10	42%	12%	0%	15%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	3%	5%	506	420	EX	70	70	24	74	0	0.594	126.236	0.019	4.060	0.018	3.730
2	11	41%	11%	0%	16%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	5%	462	420	EX	70	70	25	72	0	0.596	115.642	0.019	3.766	0.018	3.459
2	12	41%	10%	0%	17%	10%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	6%	458	420	EX	70	70	25	71	0	0.614	118.185	0.020	3.883	0.019	3.566
2	13	40%	9%	0%	17%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	454	420	EX	70	70	25	71	0	0.625	119.139	0.021	3.927	0.019	3.606
2	14	39%	8%	0%	18%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	450	420	EX	70	70	25	71	0	0.633	119.611	0.021	3.921	0.019	3.600
2	15	39%	7%	0%	19%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	486	420	EX	70	70	25	72	0	0.636	129.870	0.021	4.193	0.019	3.848
2	16	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	524	420	EX	70	70	24	74	0	0.659	144.934	0.021	4.616	0.019	4.236
2	17	37%	6%	1%	21%	13%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	520	420	EX	70	70	24	76	0	0.665	145.167	0.021	4.669	0.020	4.285
2	18	37%	6%	1%	21%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	442	420	EX	70	70	23	77	0	0.668	123.949	0.021	3.981	0.020	3.653
2	19	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	362	420	EX	70	70	23	78	0	0.664	100.887	0.021	3.166	0.019	2.906
2	20	38%	7%	1%	19%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	325	420	EX	70	70	23	79	0	0.653	89.188	0.021	2.849	0.019	2.616
2	21	39%	8%	0%	19%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	283	420	EX	70	70	23	80	0	0.645	76.653	0.021	2.477	0.019	2.274
2	22	39%	9%	0%	18%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	246	420	EX	70	70	23	81	0	0.646	66.732	0.020	2.110	0.019	1.938
2	23	40%	9%	0%	18%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	248	420	EX	70	70	23	81	0	0.634	66.081	0.020	2.100	0.019	1.929
3	0	36%	17%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	726	530	EX	70	70	23	82	0	0.674	259.455	0.024	9.063	0.022	8.331
3	1	36%	18%	1%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	438	530	EX	70	70	22	82	0	0.689	160.008	0.024	5.566	0.022	5.117
3	2	36%	18%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	292	530	EX	70	70	22	83	0	0.687	106.264	0.024	3.640	0.022	3.346
3	3	36%	19%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	295	530	EX	70	70	22	83	0	0.690	107.805	0.025	3.831	0.023	3.522
3	4	36%	19%	0%	12%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	295	530	EX	70	70	22	83	0	0.689	107.694	0.024	3.821	0.022	3.513
3	5	36%	19%	0%	12%	7%	3%	7%	0%	3%	3%	1%	1%	1%	0%	3%	4%	446	530	EX	70	70	22	83	0	0.685	161.991	0.024	5.662	0.022	5.206
3	6	36%	20%	0%	12%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	899	530	EX	70	70	22	83	0	0.692	329.515	0.024	11.670	0.023	10.730
3	7	36%	20%	0%	11%	7%	3%	7%	0%	3%	3%	2%	1%	1%	0%	3%	4%	1506	530	EX	69	70	22	82	0	0.702	560.200	0.025	19.852	0.023	18.264
3	8	36%	21%	0%	11%	6%	3%	7%	0%	3%	3%	2%	1%	1%	0%	3%	4%	1966	530	EX	64	70	23	79	0	0.697	726.617	0.024	25.001	0.022	23.001
3	9	36%	20%	0%	11%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1949	530	EX	64	70	23	77	0	0.703	726.441	0.024	24.393	0.022	22.443
3	10	36%	19%	0%	12%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1784	530	EX	66	70	24	74	0	0.695	657.219	0.024	22.493	0.022	20.653
3	11	36%	19%	0%	13%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1619	530	EX	68	70	25	72	0	0.677	580.689	0.024	20.190	0.022	18.561
3	12	36%	18%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1604	530	EX	68	70	25	71	0	0.683	580.414	0.023	19.719	0.021	18.126
3	13	36%	17%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1587	530	EX	68	70	25	71	0	0.682	573.763	0.023	19.582	0.021	18.000
3	14	36%	17%	0%	15%	9%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1572	530	EX	69	70	25	71	0	0.677	563.679	0.023	19.116	0.021	17.583
3	15	36%	16%	0%	16%	9%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1699	530	EX	67	70	25	72	0	0.674	607.179	0.022	20.095	0.020	18.446
3	16	36%	15%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1820	530	EX	66	70	24	74	0	0.678	654.382	0.022	20.959	0.020	19.237
3	17	35%	14%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1804	530	EX	66	70	24	76	0	0.677	647.547	0.022	20.837	0.020	19.125
3	18	36%	15%	1%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1534	530	EX	69	70	23	77	0	0.682	554.475	0.022	17.903	0.020	16.465
3	19	36%	15%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1263	530	EX	70	70	23	78	0	0.687	460.121	0.023	15.212	0.021	13.981
3	20	36%	16%	0%	16%	9%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1130	530	EX	70	70	23	79	0	0.677	405.729	0.023	13.571	0.021	12.473
3	21	36%	16%	0%	15%	9%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	4%	993	530	EX	70	70	23	80	0	0.675	355.500	0.023	11.977	0.021	11.008
3	22	36%	17%	0%	15%	9%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	857	530	EX	70	70	23	81	0	0.675	306.611	0.023	10.453	0.021	9.608
3	23	36%	17%	0%	15%	9%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	861	530	EX	70	70	23	81	0	0.673	306.977	0.023	10.520	0.021	9.671
4	0	34%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	671	360	EX	70	70	23	82	0	0.729	176.084	0.023	5.572	0.021	5.122
4	1	34%	19%	1%	16%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	4%	405	360	EX	70	70	22	82	0	0.732	106.717	0.023	3.314	0.021	3.046
4	2	34%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	270	360	EX	70	70	22	83	0	0.741	72.031	0.023	2.203	0.021	2.025
4	3	33%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	270	360	EX	70	70	22	83	0	0.743	72.204	0.023	2.208	0.021	2.029
4	4	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	4%	4%	273	360	EX	70	70	22	83	0	0.753	74.022	0.023	2.243	0.021	2.062
4	5	33%	19%	1%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	3%	4%	409	360	EX	70	70	22	83	0	0.728	107.207	0.022	3.242	0.020	2.980
4	6	32%	20%	0%	16%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	3%	4%	819	360	EX	70	70	22	83	0	0.731	215.635	0.022	6.489	0.020	5.965
4	7	32%	20%	0%	16%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1373	360	EX	70	70	22	82	0	0.740	365.982	0.022	11.066	0.021	10.173
4	8	32%	20%	0%	17%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1792	360	EX	66	70	23	79	0	0.742	478.557	0.022	14.214	0.020	13.050
4	9	32%	20%	0%	16%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1783	360	EX	66	70	23	77	0	0.751	481.815	0.022	14.301	0.020	13.129
4	10	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	1636	360	EX	67	70	24	74	0	0.742	436.823	0.023	13.262	0.021	12.175
4	11	33%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	1490	360	EX	69	70	25	72	0	0.730	391.550	0.022	12.065	0.021	11.096
4	12	34%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1481	360	EX	69	70	25	71	0	0.737	392.743	0.023	12.181	0.021	11.203
4	13	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1473	360	EX	69	70	25	71	0	0.727	385.304	0.022	11.863	0.021	10.911
4	14	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1466	360	EX	69	70	25	71	0	0.731	385.950	0.023	11.985	0.021	11.023
4	15	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1589	360	EX	68	70	25	72	0	0.725	414.760	0.023	12.951	0.021	11.903
4	16	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1712	360	EX	67	70	24	74	0	0.742	457.275	0.023	14.216	0.021	13.050
4	17	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1702	360	EX	67	70	24	76	0	0.731	448.033	0.023	13.959	0.021	12.813
4	18	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1444	360	EX	70	70	23	77	0	0.734	381.815	0.023	12.045	0.021	11.071
4	19	36%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1188	360	EX	70	70	23	78	0	0.739	316.108	0.023	9.985	0.021	9.177
4	20	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1057	360	EX	70	70	23	79	0	0.733	278.903	0.023	8.741	0.021	8.034
4	21	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	929	360	EX	70	70	23	80	0	0.728	243.578	0.023	7.610	0.021	6.995
4	22	35%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	800	360	EX	70	70	23	81	0	0.728	209.753	0.023	6.610	0.021	6.076
4	23	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	802	360	EX	70	70	23	81	0	0.726	209.585	0.023	6.600	0.021	6.066
5	0	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	460	230	PD	40	50	23	82	0	0.893	94.489	0.029	3.037	0.026	2.793
5	1	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	278	230	PD	40	50	22	82	0	0.918	58.671	0.029	1.851	0.027	1.702
5	2	33%	22%	1%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	184	230	PD	40	50	22	83	0	0.894	37.818	0.028	1.189	0.026	1.093
5	3	32%	22%	1%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	185	230	PD	40	50	22	83	0	0.892	37.944	0.028	1.190	0.026	1.094
5	4	32%	23%	1%	14%	8%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	185	230	PD	40	50	22	83	0	0.877	37.319	0.028	1.202	0.026	1.105
5	5	32%	23%	1%	14%	8%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	185	230	PD	40	50	22	83	0	0.877	37.319	0.028	1.202	0.026	1.105
5	6	31%	23%	0%	14%	8%	4%	10%	0%	1%	1%	1%	0%	0%	0%	3%	3%	559	230	PD	40	50	22	83	0	0.907	116.568	0.029	3.713	0.027	3.415
5	7	31%	24%	0%	14%	8%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1024	230	PD	37	50	22	82	0	0.925	217.792	0.030	7.121	0.028	6.544
5	8	31%	24%	0%	14%	8%	4%	11%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1306	230	PD	34	50	23	79	0	0.939	281.955	0.032	9.568	0.029	8.793
5	9	31%	23%	0%	14%	8%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1116	230	PD	36	50	23	77	0	0.938	240.667	0.031	7.948	0.028	7.305
5	10	32%	23%	0%	14%	8%	3%	10%	0%	1%	1%	1%	0%	0%	0%	3%	3%	1021	230	PD	37	50	24	74	0	0.917	215.363	0.030	7.054	0.028	6.481
5	11	32%	22%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	925	230	PD	37	50	25	72	0	0.916	194.830	0.030	6.399	0.028	5.879
5	12	33%	22%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1014	230	PD	37	50	25	71	0	0.924	215.588	0.030	7.046	0.028	6.472
5	13	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1012	230	PD	37	50	25	71	0	0.932	216.872	0.030	7.052	0.028	6.477
5	14	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1005	230	PD	37	50	25	71	0	0.931	215.305	0.030	6.953	0.028	6.386
5	15	35%	20%	0%	13%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1095	230	PD	36	50	25	72	0	0.932	234.611	0.030	7.645	0.028	7.022
5	16	35%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	4%	1093	230	PD	36	50	24	74	0	0.955	239.968	0.031	7.678	0.028	7.052
5	17	36%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1179	230	PD	35	50	24	76	0	0.951	257.784	0.031	8.437	0.029	7.745
5	18	35%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	4%	1091	230	PD	36	50	23	77	0	0.959	240.731	0.030	7.607	0.028	6.986
5	19	35%	19%	0%	13%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	911	230	PD	38	50	23	78	0	0.934	195.691	0.029	6.175	0.027	5.680
5	20	35%	20%	0%	13%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	730	230	PD	39	50	23	79	0	0.916	153.818	0.029	4.818	0.026	4.432
5	21	34%	20%	0%	13%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	640	230	PD	40	50	23	80	0	0.912	134.205	0.029	4.212	0.026	3.873
5	22	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	640	230	PD	40	50	23	81	0	0.903	132.904	0.029	4.219	0.026	3.880
5	23	34%	21%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	549	230	PD	40	50	23	81	0	0.899	113.539	0.028	3.581	0.026	3.293
6	0	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	499	320	PD	40	50	23	82	0	0.824	131.589	0.028	4.540	0.026	4.175
6	1	34%	21%	0%	12%	7%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	301	320	PD	40	50	22	82	0	0.860	82.829	0.029	2.812	0.027	2.586
6	2	34%	21%	1%	12%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	200	320	PD	40	50	22	83	0	0.836	53.496	0.029	1.874	0.027	1.724
6	3	34%	22%	1%	12%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	200	320	PD	40	50	22	83	0	0.835	53.409	0.029	1.864	0.027	1.714
6	4	34%	22%	1%	12%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	199	320	PD	40	50	22	83	0	0.830	52.860	0.029	1.845	0.027	1.697
6	5	34%	22%	1%	11%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	199	320	PD	40	50	22	83	0	0.842	53.619	0.029	1.874	0.027	1.723
6	6	34%	23%	0%	11%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	602	320	PD	40	50	22	83	0	0.872	168.033	0.030	5.844	0.028	5.375
6	7	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1105	320	PD	36	50	22	82	0	0.913	322.908	0.033	11.527	0.030	10.591
6	8	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1410	320	PD	34	50	23	79	0	0.928	418.829	0.034	15.329	0.031	14.086
6	9	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1205	320	PD	35	50	23	77	0	0.919	354.345	0.033	12.756	0.030	11.718

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
6	10	34%	22%	0%	11%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1102	320	PD	36	50	24	74	0	0.886	312.569	0.032	11.201	0.029	10.291
6	11	34%	22%	0%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1000	320	PD	37	50	25	72	0	0.862	275.871	0.031	9.858	0.028	9.056
6	12	34%	21%	0%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1099	320	PD	36	50	25	71	0	0.863	303.662	0.031	10.891	0.028	10.005
6	13	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1096	320	PD	36	50	25	71	0	0.860	301.656	0.030	10.684	0.028	9.815
6	14	34%	20%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1096	320	PD	36	50	25	71	0	0.846	296.752	0.030	10.489	0.027	9.636
6	15	34%	19%	0%	14%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1191	320	PD	36	50	25	72	0	0.836	318.506	0.030	11.299	0.027	10.379
6	16	35%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1191	320	PD	36	50	24	74	0	0.836	318.560	0.029	11.128	0.027	10.223
6	17	35%	18%	0%	16%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1286	320	PD	35	50	24	76	0	0.836	344.207	0.030	12.205	0.027	11.207
6	18	35%	18%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1188	320	PD	36	50	23	77	0	0.837	318.171	0.029	11.012	0.027	10.116
6	19	35%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	993	320	PD	37	50	23	78	0	0.834	264.882	0.029	9.148	0.026	8.402
6	20	34%	19%	0%	14%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	796	320	PD	39	50	23	79	0	0.815	207.474	0.028	7.097	0.026	6.530
6	21	34%	19%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	698	320	PD	40	50	23	80	0	0.808	180.572	0.028	6.212	0.026	5.712
6	22	34%	20%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	694	320	PD	40	50	23	81	0	0.803	178.314	0.028	6.163	0.026	5.668
6	23	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	599	320	PD	40	50	23	81	0	0.822	157.471	0.028	5.425	0.026	4.989
7	0	31%	21%	0%	14%	9%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	354	110	DD	29	50	23	82	1	0.993	38.681	0.038	1.465	0.035	1.345
7	1	32%	22%	1%	14%	8%	3%	10%	0%	2%	1%	1%	1%	1%	0%	2%	4%	211	110	DD	29	50	22	82	1	0.975	22.620	0.037	0.850	0.034	0.780
7	2	32%	22%	0%	13%	8%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	142	110	DD	30	50	22	83	1	0.987	15.413	0.036	0.567	0.033	0.520
7	3	32%	23%	0%	13%	8%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	142	110	DD	30	50	22	83	1	0.985	15.381	0.036	0.563	0.033	0.516
7	4	32%	23%	0%	12%	7%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	141	110	DD	30	50	22	83	1	0.975	15.119	0.036	0.551	0.033	0.506
7	5	32%	23%	0%	12%	7%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	141	110	DD	30	50	22	83	1	0.975	15.119	0.036	0.551	0.033	0.506
7	6	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	424	110	DD	28	50	22	83	1	1.023	47.730	0.038	1.758	0.035	1.613
7	7	32%	24%	0%	11%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	781	110	DD	26	50	22	82	1	1.085	93.187	0.041	3.536	0.038	3.247
7	8	32%	25%	0%	10%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	997	110	DD	24	50	23	79	1	1.137	124.707	0.045	4.944	0.041	4.538
7	9	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	854	110	DD	25	50	23	77	1	1.110	104.307	0.043	4.078	0.040	3.747
7	10	32%	23%	0%	12%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	782	110	DD	26	50	24	74	1	1.072	92.231	0.042	3.572	0.038	3.280
7	11	32%	23%	0%	13%	8%	4%	10%	0%	2%	2%	1%	0%	1%	0%	3%	4%	708	110	DD	26	50	25	72	1	1.044	81.333	0.041	3.230	0.038	2.966
7	12	32%	22%	0%	14%	8%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	778	110	DD	26	50	25	71	1	1.046	89.480	0.042	3.561	0.038	3.270
7	13	31%	21%	0%	14%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	777	110	DD	26	50	25	71	1	1.031	88.087	0.041	3.531	0.038	3.243
7	14	31%	21%	0%	15%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	777	110	DD	26	50	25	71	1	1.030	88.025	0.042	3.548	0.038	3.259
7	15	31%	20%	1%	16%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	847	110	DD	25	50	25	72	1	1.046	97.484	0.044	4.059	0.040	3.729
7	16	31%	19%	1%	17%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	847	110	DD	25	50	24	74	1	1.058	98.592	0.044	4.084	0.040	3.752
7	17	31%	18%	0%	18%	10%	3%	9%	0%	2%	1%	0%	0%	0%	0%	2%	4%	916	110	DD	25	50	24	76	1	1.036	104.341	0.043	4.358	0.040	4.003
7	18	31%	19%	1%	17%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	846	110	DD	25	50	23	77	1	1.059	98.527	0.044	4.076	0.040	3.744
7	19	31%	19%	0%	16%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	706	110	DD	26	50	23	78	1	1.031	80.106	0.042	3.255	0.038	2.989
7	20	31%	20%	0%	16%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	565	110	DD	27	50	23	79	1	1.013	62.966	0.040	2.496	0.037	2.291
7	21	31%	20%	0%	16%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	496	110	DD	28	50	23	80	1	0.991	54.058	0.039	2.101	0.035	1.928
7	22	31%	20%	0%	15%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	494	110	DD	28	50	23	81	1	0.979	53.191	0.038	2.072	0.035	1.902
7	23	31%	21%	1%	15%	9%	4%	10%	0%	2%	1%	1%	1%	1%	0%	2%	4%	426	110	DD	28	50	23	81	1	0.990	46.414	0.039	1.808	0.035	1.659
8	0	32%	22%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	4%	517	260	DD	27	50	23	82	1	0.983	132.129	0.036	4.879	0.033	4.478
8	1	31%	22%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	312	260	DD	29	50	22	82	1	0.972	78.828	0.034	2.730	0.031	2.506
8	2	31%	23%	1%	14%	8%	3%	8%	2%	2%	1%	1%	1%	1%	1%	3%	3%	208	260	DD	29	50	22	83	1	1.007	54.461	0.035	1.903	0.032	1.747
8	3	31%	23%	1%	13%	8%	3%	8%	2%	2%	1%	1%	1%	1%	0%	3%	3%	209	260	DD	29	50	22	83	1	0.972	52.843	0.035	1.898	0.032	1.743
8	4	30%	23%	1%	13%	8%	3%	8%	2%	2%	1%	1%	1%	1%	0%	3%	3%	209	260	DD	29	50	22	83	1	0.974	52.921	0.035	1.896	0.032	1.742
8	5	30%	24%	1%	13%	8%	3%	9%	2%	2%	1%	1%	1%	1%	0%	3%	3%	211	260	DD	29	50	22	83	1	0.985	54.058	0.035	1.941	0.032	1.782
8	6	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	3%	629	260	DD	27	50	22	83	1	1.023	167.271	0.038	6.159	0.035	5.658
8	7	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	2%	1157	260	DD	23	50	22	82	1	1.156	347.700	0.045	13.607	0.042	12.503
8	8	29%	25%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	2%	1475	260	DD	14	50	23	79	1	1.557	597.205	0.068	25.943	0.062	23.842
8	9	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	3%	1260	260	DD	22	50	23	77	1	1.192	390.405	0.047	15.518	0.044	14.262
8	10	30%	24%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1149	260	DD	23	50	24	74	1	1.131	337.936	0.044	13.206	0.041	12.130
8	11	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1042	260	DD	24	50	25	72	1	1.090	295.371	0.043	11.565	0.039	10.619
8	12	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1144	260	DD	23	50	25	71	1	1.115	331.675	0.044	12.998	0.040	11.935
8	13	32%	22%	0%	13%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	1139	260	DD	23	50	25	71	1	1.109	328.284	0.043	12.781	0.040	11.734
8	14	32%	22%	0%	13%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	1132	260	DD	23	50	25	71	1	1.093	321.588	0.042	12.479	0.039	11.455
8	15	32%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1231	260	DD	23	50	25	72	1	1.081	346.116	0.042	13.514	0.039	12.402
8	16	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1228	260	DD	23	50	24	74	1	1.087	347.013	0.042	13.360	0.038	12.259
8	17	33%	20%	0%	13%	8%	2%	6%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1327	260	DD	22	50	24	76	1	1.110	382.882	0.043	14.856	0.040	13.635
8	18	33%	20%	0%	13%	8%	2%	6%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1225	260	DD	23	50	23	77	1	1.091	347.354	0.042	13.262	0.038	12.168
8	19	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1023	260	DD	24	50	23	78	1	1.059	281.615	0.040	10.645	0.037	9.766
8	20	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	821	260	DD	25	50	23	79	1	1.036	221.180	0.039	8.284	0.036	7.608
8	21	32%	21%	0%	13%	8%	3%	7%	2%	2%	2%	1%	0%	1%	0%	4%	4%	722	260	DD	26	50	23	80	1	1.022	191.863	0.038	7.117	0.035	6.534
8	22	32%	22%	0%	13%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	723	260	DD	26	50	23	81	1	1.010	189.930	0.037	7.042	0.034	6.466
8	23	32%	22%	0%	13%	8%	3%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	620	260	DD	27	50	23	81	1	0.995	160.439	0.037	5.898	0.034	5.414
9	0	30%	21%	0%	14%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	400	170	DD	28	50	23	82	1	1.044	71.006	0.039	2.685	0.036	2.465
9	1	30%	22%	0%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	3%	241	170	DD	29	50	22	82	1	1.042	42.688	0.038	1.542	0.035	1.416
9	2	30%	23%	1%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	160	170	DD	30	50	22	83	1	0.970	26.374	0.035	0.948	0.032	0.870
9	3	30%	23%	1%	13%	8%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	159	170	DD	30	50	22	83	1	0.965	26.084	0.035	0.933	0.032	0.856
9	4	31%	24%	0%	12%	7%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	157	170	DD	30	50	22	83	1	0.965	25.763	0.034	0.916	0.031	0.840
9	5	31%	24%	0%	12%	7%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	157	170	DD	30	50	22	83	1	0.964	25.717	0.034	0.909	0.031	0.834
9	6	30%	24%	0%	11%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	477	170	DD	28	50	22	83	1	1.031	83.581	0.038	3.064	0.035	2.812
9	7	31%	25%	0%	11%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	875	170	DD	25	50	22	82	1	1.107	164.702	0.043	6.367	0.039	5.850
9	8	30%	25%	0%	10%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	1117	170	DD	23	50	23	79	1	1.174	222.984	0.047	8.891	0.043	8.163
9	9	30%	24%	0%	11%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	959	170	DD	24	50	23	77	1	1.140	185.912	0.045	7.327	0.041	6.726
9	10	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	880	170	DD	25	50	24	74	1	1.108	165.702	0.043	6.493	0.040	5.966
9	11	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	799	170	DD	25	50	25	72	1	1.097	149.059	0.043	5.851	0.040	5.376
9	12	30%	22%	0%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	883	170	DD	25	50	25	71	1	1.103	165.595	0.044	6.575	0.040	6.042
9	13	30%	21%	0%	14%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	883	170	DD	25	50	25	71	1	1.103	165.552	0.044	6.574	0.040	6.040
9	14	30%	20%	0%	14%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	882	170	DD	25	50	25	71	1	1.096	164.313	0.044	6.549	0.040	6.018
9	15	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	967	170	DD	24	50	25	72	1	1.122	184.413	0.046	7.548	0.042	6.930
9	16	30%	19%	0%	16%	9%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	3%	971	170	DD	24	50	24	74	1	1.137	187.603	0.046	7.605	0.042	6.982
9	17	30%	18%	1%	16%	10%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1052	170	DD	24	50	24	76	1	1.128	201.646	0.046	8.287	0.043	7.609
9	18	30%	19%	0%	16%	10%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	969	170	DD	24	50	23	77	1	1.151	189.581	0.046	7.653	0.043	7.027
9	19	30%	19%	0%	16%	9%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	4%	809	170	DD	25	50	23	78	1	1.110	152.605	0.044	6.077	0.041	5.584
9	20	30%	20%	1%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	644	170	DD	27	50	23	79	1	1.049	114.795	0.040	4.432	0.037	4.070
9	21	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	560	170	DD	27	50	23	80	1	1.035	98.553	0.040	3.806	0.037	3.495
9	22	30%	21%	0%	14%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	561	170	DD	27	50	23	81	1	1.031	98.296	0.040	3.804	0.037	3.492
9	23	30%	21%	0%	14%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	483	170	DD	28	50	23	81	1	1.019	83.658	0.039	3.176	0.036	2.915
10	0	27%	31%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	112	200	DD	30	50	23	82	1	0.711	15.919	0.022	0.500	0.020	0.457
10	1	27%	32%	0%	15%	9%	0%	2%	0%	3%	3%	2%	0%	0%	0%	3%	5%	66	200	DD	30	50	22	82	1	0.695	9.170	0.020	0.261	0.018	0.238
10	2	29%	33%	0%	17%	10%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	42	200	DD	30	50	22	83	1	0.600	5.042	0.016	0.132	0.014	0.120
10	3	28%	35%	0%	15%	10%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	5%	40	200	DD	30	50	22	83	1	0.610	4.884	0.015	0.122	0.014	0.111
10	4	27%	37%	0%	15%	10%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	41	200	DD	30	50	22	83	1	0.604	4.949	0.015	0.122	0.014	0.111
10	5	27%	37%	0%	15%	10%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	41	200	DD	30	50	22	83	1	0.604	4.949	0.015	0.122	0.014	0.111
10	6	25%	38%	0%	15%	9%	0%	1%	0%	3%	3%	1%	1%	1%	0%	2%	3%	122	200	DD	30	50	22	83	1	0.657	16.026	0.020	0.490	0.018	0.449
10	7	25%	39%	1%	15%	9%	1%	1%	0%	2%	2%	1%	1%	1%	0%	2%	3%	220	200	DD	30	50	22	82	1	0.653	28.748	0.019	0.846	0.018	0.775
10	8	25%	40%	0%	15%	9%	0%	1%	0%	2%	2%	1%	1%	1%	0%	2%	3%	275	200	DD	29	50	23	79	1	0.649	35.722	0.020	1.091	0.018	1.001
10	9	25%	38%	0%	15%	9%	0%	1%	0%	3%	2%	1%	0%	0%	0%	2%	4%	241	200	DD	29	50	23	77	1	0.644	31.019	0.019	0.918	0.017	0.842
10	10	26%	36%	0%	15%	9%	0%	1%	0%	3%	2%	1%	0%	0%	0%	2%	4%	227	200	DD	30	50	24	74	1	0.637	28.931	0.019	0.865	0.017	0.791
10	11	26%	34%	1%	15%	9%	1%	1%	0%	3%	2%	1%	1%	1%	0%	2%	4%	212	200	DD	30	50	25	72	1	0.674	28.597	0.020	0.861	0.019	0.788
10	12	27%	32%	0%	15%	9%	0%	1%	0%	3%	3%	1%	0%	0%	0%	3%	5%	241	200	DD	29	50	25	71	1	0.674	32.483	0.020	0.977	0.019	0.894
10	13	28%	31%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	5%	247	200	DD	29	50	25	71	1	0.690	34.077	0.021	1.022	0.019	0.935
10	14	28%	29%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	253	200	DD	29	50	25	71	1	0.715	36.174	0.021	1.074	0.019	0.982
10	15	28%	27%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	286	200	DD	29	50	25	72	1	0.740	42.328	0.023	1.298	0.021	1.187
10	16	29%	26%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	289	200	DD	29	50	24	74	1	0.745	43.079	0.023	1.319	0.021	1.206
10	17	29%	25%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	7%	321	200	DD	29	50	24	76	1	0.746	47.890	0.023	1.465	0.021	1.339
10	18	29%	25%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	295	200	DD	29	50	23	77	1	0.772	45.533	0.023	1.372	0.021	1.255
10	19	29%	26%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	241	200	DD	29	50	23	78	1	0.746	35.954	0.022	1.057	0.020	0.966
10	20	28%	27%	1%	15%	9%	1%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	190	200	DD	30	50	23	79	1	0.708	26.894	0.021	0.811	0.020	0.741
10	21	28%	28%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	163	200	DD	30	50	23	80	1	0.701	22.856	0.021	0.681	0.019	0.621
10	22	28%	29%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	160	200	DD	30	50	23	81	1	0.693	22.163	0.021	0.657	0.019	0.600
10	23	28%	30%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	137	200	DD	30	50	23	81	1	0.695	19.054	0.021	0.579	0.019	0.529
11	0	33%	20%	0%	13%	8%	4%	9%	3%	2%	1%	1%	1%	1%	0%	4%	3%	405	210	DD	28	50	23	82	1	1.046	89.000	0.039	3.346	0.036	3.073
11	1	32%	20%	0%	13%	8%	3%	10%	3%	2%	1%	0%	0%	0%	0%	4%	3%	246	210	DD	29	50	22	82	1	1.057	54.609	0.038	1.949	0.035	1.790
11	2	32%	20%	1%	13%	8%	4%	10%	2%	2%	1%	1%	1%	1%	0%	4%	2%	166	210	DD	30	50	22	83	1	1.027	35.789	0.037	1.295	0.034	1.189
11	3	31%	20%	1%	13%	8%	4%	10%	3%	2%	1%	1%	1%	1%	0%	4%	2%	169	210	DD	30	50	22	83	1	1.046	37.124	0.038	1.352	0.035	1.242
11	4	31%	20%	1%	13%	8%	4%	10%	3%	2%	1%	1%	1%	1%	0%	4%	2%	169	210	DD	30	50	22	83	1	1.046	37.124	0.038	1.352	0.035	1.242
11	5	31%	21%	1%	13%	8%	4%	10%	3%	2%	1%	1%	1%	1%	0%	4%	2%	169	210	DD	30	50	22	83	1	1.048	37.202	0.038	1.351	0.035	1.241
11	6	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	508	210	DD	27	50	22	83	1	1.116	119.033	0.043	4.539	0.039	4.172
11	7	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	937	210	DD	24	50	22	82	1	1.209	237.875	0.048	9.501	0.044	8.730
11	8	30%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1200	210	DD	22	50	23	79	1	1.293	325.831	0.053	13.404	0.049	12.324
11	9	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1018	210	DD	24	50	23	77	1	1.206	257.854	0.048	10.240	0.044	9.408
11	10	31%	21%	0%	13%	8%	4%	10%	3%	2%	1%	0%	0%	0%	0%	4%	2%	921	210	DD	24	50	24	74	1	1.182	228.635	0.047	9.130	0.043	8.388
11	11	32%	20%	0%	13%	8%	4%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	829	210	DD	25	50	25	72	1	1.134	197.479	0.045	7.860	0.042	7.228
11	12	32%	20%	0%	13%	8%	3%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	902	210	DD	25	50	25	71	1	1.134	214.887	0.045	8.460	0.041	7.777
11	13	33%	20%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	0%	0%	4%	3%	893	210	DD	25	50	25	71	1	1.120	210.090	0.044	8.269	0.041	7.602
11	14	33%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	1%	1%	0%	4%	3%	881	210	DD	25	50	25	71	1	1.114	206.147	0.044	8.115	0.040	7.459
11	15	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	1%	0%	4%	3%	948	210	DD	24	50	25	72	1	1.135	225.914	0.045	8.955	0.041	8.221
11	16	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	940	210	DD	24	50	24	74	1	1.134	223.929	0.045	8.794	0.041	8.073
11	17	35%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	1005	210	DD	24	50	24	76	1	1.118	235.893	0.044	9.267	0.040	8.505
11	18	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	935	210	DD	25	50	23	77	1	1.107	217.393	0.042	8.286	0.039	7.614
11	19	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	784	210	DD	26	50	23	78	1	1.078	177.407	0.041	6.695	0.037	6.149

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
11	20	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	1%	1%	0%	4%	4%	632	210	DD	27	50	23	79	1	1.059	140.502	0.040	5.254	0.036	4.824
11	21	33%	19%	0%	13%	8%	3%	9%	3%	1%	1%	1%	1%	1%	0%	4%	3%	557	210	DD	27	50	23	80	1	1.059	123.881	0.040	4.684	0.037	4.302
11	22	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	1%	0%	4%	3%	560	210	DD	27	50	23	81	1	1.062	124.840	0.040	4.720	0.037	4.334
11	23	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	0%	0%	4%	3%	484	210	DD	28	50	23	81	1	1.034	105.067	0.039	3.919	0.035	3.599
12	0	31%	20%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	471	160	DD	28	50	23	82	1	0.989	74.535	0.037	2.799	0.034	2.570
12	1	31%	20%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	281	160	DD	29	50	22	82	1	0.997	44.819	0.036	1.626	0.033	1.493
12	2	31%	21%	1%	13%	8%	3%	8%	4%	2%	2%	1%	1%	1%	0%	3%	3%	183	160	DD	30	50	22	83	1	0.961	28.141	0.035	1.016	0.032	0.933
12	3	31%	21%	1%	13%	8%	3%	8%	4%	2%	2%	1%	1%	1%	0%	3%	3%	183	160	DD	30	50	22	83	1	0.960	28.099	0.035	1.010	0.032	0.927
12	4	30%	21%	1%	12%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	182	160	DD	30	50	22	83	1	0.979	28.508	0.036	1.034	0.033	0.949
12	5	30%	22%	1%	12%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	181	160	DD	30	50	22	83	1	0.990	28.667	0.036	1.044	0.033	0.958
12	6	30%	22%	0%	11%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	534	160	DD	27	50	22	83	1	1.046	89.395	0.040	3.384	0.036	3.107
12	7	30%	23%	0%	11%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	974	160	DD	24	50	22	82	1	1.142	177.944	0.046	7.148	0.042	6.563
12	8	30%	23%	0%	11%	6%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	1225	160	DD	23	50	23	79	1	1.170	229.331	0.048	9.445	0.044	8.674
12	9	30%	22%	0%	11%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	1069	160	DD	24	50	23	77	1	1.147	196.224	0.046	7.856	0.042	7.213
12	10	30%	22%	0%	12%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	991	160	DD	24	50	24	74	1	1.113	176.507	0.045	7.097	0.041	6.516
12	11	31%	21%	0%	13%	7%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	914	160	DD	25	50	25	72	1	1.062	155.313	0.042	6.183	0.039	5.681
12	12	31%	21%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1020	160	DD	24	50	25	71	1	1.088	177.579	0.044	7.153	0.040	6.567
12	13	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1038	160	DD	24	50	25	71	1	1.088	180.775	0.044	7.281	0.040	6.684
12	14	31%	19%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1051	160	DD	24	50	25	71	1	1.081	181.701	0.043	7.296	0.040	6.698
12	15	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1161	160	DD	23	50	25	72	1	1.094	203.174	0.044	8.207	0.041	7.534
12	16	31%	18%	0%	15%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1179	160	DD	23	50	24	74	1	1.098	207.185	0.044	8.260	0.040	7.583
12	17	31%	18%	0%	16%	9%	2%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1293	160	DD	22	50	24	76	1	1.113	230.213	0.045	9.412	0.042	8.643
12	18	31%	18%	0%	15%	9%	2%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1184	160	DD	23	50	23	77	1	1.102	208.687	0.044	8.246	0.040	7.569
12	19	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	981	160	DD	24	50	23	78	1	1.070	167.997	0.042	6.627	0.039	6.082
12	20	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	778	160	DD	26	50	23	79	1	1.028	128.015	0.039	4.911	0.036	4.509
12	21	31%	19%	0%	14%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	674	160	DD	26	50	23	80	1	1.020	109.960	0.039	4.214	0.036	3.870
12	22	31%	19%	0%	14%	8%	3%	8%	4%	2%	2%	0%	0%	0%	0%	3%	4%	669	160	DD	26	50	23	81	1	1.019	109.042	0.039	4.199	0.036	3.856
12	23	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	568	160	DD	27	50	23	81	1	1.004	91.229	0.038	3.490	0.035	3.204
13	0	39%	19%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	156	60	DD	30	50	23	82	1	0.659	6.168	0.021	0.197	0.019	0.180
13	1	39%	20%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	4%	91	60	DD	30	50	22	82	1	0.648	3.539	0.020	0.107	0.018	0.098
13	2	40%	21%	0%	16%	9%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	5%	58	60	DD	30	50	22	83	1	0.601	2.090	0.017	0.058	0.015	0.053
13	3	41%	21%	0%	14%	9%	0%	0%	0%	4%	4%	0%	0%	0%	0%	4%	4%	56	60	DD	30	50	22	83	1	0.607	2.038	0.016	0.055	0.015	0.050
13	4	39%	23%	0%	14%	9%	0%	0%	0%	4%	4%	0%	0%	0%	0%	4%	4%	56	60	DD	30	50	22	83	1	0.613	2.060	0.016	0.054	0.015	0.050
13	5	38%	24%	0%	15%	9%	0%	0%	0%	4%	4%	0%	0%	0%	0%	4%	4%	55	60	DD	30	50	22	83	1	0.619	2.042	0.016	0.054	0.015	0.049
13	6	38%	23%	1%	14%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	3%	168	60	DD	30	50	22	83	1	0.685	6.907	0.020	0.205	0.019	0.188
13	7	37%	24%	0%	13%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	3%	300	60	DD	29	50	22	82	1	0.733	13.192	0.022	0.391	0.020	0.359
13	8	37%	25%	0%	13%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	2%	372	60	DD	29	50	23	79	1	0.708	15.801	0.021	0.458	0.019	0.420
13	9	38%	23%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	3%	333	60	DD	29	50	23	77	1	0.718	14.354	0.021	0.430	0.020	0.394
13	10	38%	22%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	4%	314	60	DD	29	50	24	74	1	0.706	13.294	0.021	0.403	0.020	0.369
13	11	38%	21%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	4%	297	60	DD	29	50	25	72	1	0.709	12.625	0.022	0.398	0.020	0.365
13	12	38%	20%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	5%	337	60	DD	29	50	25	71	1	0.722	14.599	0.023	0.455	0.021	0.417
13	13	39%	19%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	348	60	DD	29	50	25	71	1	0.716	14.941	0.023	0.474	0.021	0.434
13	14	39%	18%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	356	60	DD	29	50	25	71	1	0.713	15.229	0.023	0.486	0.021	0.445
13	15	39%	17%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	400	60	DD	28	50	25	72	1	0.712	17.090	0.023	0.555	0.021	0.508
13	16	39%	16%	1%	16%	10%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	7%	412	60	DD	28	50	24	74	1	0.717	17.721	0.023	0.572	0.021	0.523
13	17	40%	15%	0%	16%	10%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	7%	458	60	DD	28	50	24	76	1	0.706	19.400	0.023	0.639	0.021	0.584
13	18	39%	16%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	7%	417	60	DD	28	50	23	77	1	0.731	18.281	0.024	0.591	0.022	0.540
13	19	39%	16%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	7%	340	60	DD	29	50	23	78	1	0.691	14.104	0.022	0.445	0.020	0.407
13	20	39%	17%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	270	60	DD	29	50	23	79	1	0.706	11.433	0.022	0.360	0.020	0.329
13	21	39%	17%	0%	16%	9%	0%	1%	0%	3%	3%	0%	0%	0%	0%	3%	6%	232	60	DD	29	50	23	80	1	0.706	9.834	0.022	0.306	0.020	0.280
13	22	39%	18%	0%	15%	9%	0%	1%	0%	4%	3%	0%	0%	0%	0%	4%	6%	227	60	DD	30	50	23	81	1	0.694	9.447	0.021	0.289	0.019	0.264
13	23	39%	18%	1%	15%	9%	1%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	190	60	DD	30	50	23	81	1	0.657	7.493	0.021	0.239	0.019	0.218
14	0	56%	17%	0%	6%	4%	0%	0%	0%	4%	4%	2%	2%	2%	0%	0%	2%	48	590	LD	25	50	23	82	1	0.527	14.921	0.027	0.752	0.024	0.692
14	1	57%	18%	0%	7%	4%	0%	0%	0%	4%	4%	4%	0%	0%	0%	0%	4%	28	590	LD	25	50	22	82	1	0.352	5.811	0.017	0.276	0.015	0.254
14	2	61%	17%	0%	6%	6%	0%	0%	0%	6%	6%	0%	0%	0%	0%	0%	0%	18	590	LD	25	50	22	83	1	0.305	3.239	0.012	0.130	0.011	0.121
14	3	58%	21%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	19	590	LD	25	50	22	83	1	0.312	3.493	0.012	0.130	0.011	0.120
14	4	60%	20%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	20	590	LD	25	50	22	83	1	0.297	3.503	0.011	0.133	0.010	0.123
14	5	57%	19%	0%	10%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	21	590	LD	25	50	22	83	1	0.319	3.954	0.013	0.161	0.012	0.149
14	6	54%	19%	0%	7%	4%	0%	0%	0%	4%	4%	2%	2%	2%	0%	0%	2%	68	590	LD	25	50	22	83	1	0.483	19.371	0.023	0.909	0.021	0.837
14	7	54%	19%	0%	7%	4%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	128	590	LD	24	50	22	82	1	0.537	40.533	0.026	1.986	0.024	1.825
14	8	54%	19%	0%	7%	4%	0%	1%	0%	5%	4%	2%	1%	2%	0%	0%	2%	165	590	LD	24	50	23	79	1	0.515	50.113	0.025	2.395	0.023	2.201
14	9	54%	18%	0%	7%	4%	0%	1%	0%	4%	4%	2%	2%	2%	0%	0%	2%	136	590	LD	24	50	23	77	1	0.525	42.105	0.025	2.040	0.023	1.874
14	10	55%	19%	0%	7%	4%	0%	1%	0%	4%	3%	2%	2%	2%	0%	0%	2%	118	590	LD	24	50	24	74	1	0.529	36.841	0.026	1.800	0.024	1.654
14	11	55%	17%	0%	7%	4%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	104	590	LD	25	50	25	72	1	0.535	32.802	0.027	1.648	0.025	1.517
14	12	56%	16%	0%	7%	5%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	110	590	LD	25	50	25	71	1	0.532	34.508	0.026	1.717	0.024	1.580
14	13	56%	16%	0%	8%	5%	0%	1%	0%	5%	4%	2%	1%	1%	0%	0%	2%	105	590	LD	25	50	25	71	1	0.465	28.830	0.023	1.403	0.021	1.291
14	14	58%	16%	0%	7%	4%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	97	590	LD	25	50	25	71	1	0.454	25.993	0.023	1.290	0.021	1.187
14	15	58%	14%	0%	8%	5%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	101	590	LD	25	50	25	72	1	0.463	27.610	0.023	1.379	0.021	1.269
14	16	59%	14%	0%	8%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	95	590	LD	25	50	24	74	1	0.466	26.142	0.024	1.327	0.022	1.222
14	17	59%	12%	0%	8%	5%	1%	2%	0%	4%	3%	2%	1%	1%	0%	0%	2%	99	590	LD	25	50	24	76	1	0.511	29.829	0.026	1.525	0.024	1.404
14	18	60%	13%	0%	8%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	92	590	LD	25	50	23	77	1	0.467	25.331	0.024	1.283	0.022	1.181
14	19	59%	14%	0%	8%	5%	0%	1%	0%	4%	4%	1%	1%	1%	0%	0%	3%	80	590	LD	25	50	23	78	1	0.495	23.383	0.024	1.144	0.022	1.052
14	20	59%	14%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	66	590	LD	25	50	23	79	1	0.505	19.681	0.026	0.994	0.024	0.916
14	21	57%	15%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	62	590	LD	25	50	23	80	1	0.534	19.530	0.027	0.981	0.025	0.903
14	22	57%	14%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	63	590	LD	25	50	23	81	1	0.530	19.692	0.027	0.995	0.025	0.916
14	23	56%	16%	0%	7%	4%	0%	2%	0%	4%	4%	2%	2%	2%	0%	0%	2%	55	590	LD	25	50	23	81	1	0.547	17.757	0.028	0.898	0.025	0.827
15	0	36%	23%	0%	9%	5%	0%	0%	0%	9%	5%	5%	5%	5%	0%	0%	0%	22	590	LD	25	50	23	82	1	0.861	11.173	0.045	0.581	0.041	0.535
15	1	33%	20%	0%	7%	7%	0%	0%	0%	7%	7%	7%	7%	7%	0%	0%	0%	15	590	LD	25	50	22	82	1	1.175	10.402	0.061	0.539	0.056	0.497
15	2	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	3	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	4	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	5	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	6	35%	27%	0%	8%	4%	0%	0%	0%	8%	4%	8%	4%	4%	0%	0%	0%	26	590	LD	25	50	22	83	1	0.852	13.064	0.044	0.673	0.040	0.620
15	7	35%	29%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	49	590	LD	25	50	22	82	1	0.874	25.270	0.043	1.249	0.040	1.151
15	8	36%	31%	0%	5%	3%	0%	0%	0%	7%	5%	5%	3%	5%	0%	0%	0%	59	590	LD	25	50	23	79	1	0.863	30.025	0.042	1.458	0.039	1.343
15	9	35%	29%	0%	6%	4%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	52	590	LD	25	50	23	77	1	0.829	25.438	0.041	1.255	0.038	1.156
15	10	35%	27%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	48	590	LD	25	50	24	74	1	0.881	24.939	0.044	1.257	0.041	1.158
15	11	36%	24%	0%	7%	4%	0%	0%	0%	7%	7%	7%	4%	4%	0%	0%	0%	45	590	LD	25	50	25	72	1	0.899	23.869	0.047	1.239	0.043	1.141
15	12	35%	23%	0%	8%	4%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	48	590	LD	25	50	25	71	1	0.875	24.782	0.046	1.293	0.042	1.191
15	13	35%	21%	0%	8%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	48	590	LD	25	50	25	71	1	0.904	25.589	0.047	1.322	0.043	1.218
15	14	36%	20%	0%	10%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	50	590	LD	25	50	25	71	1	0.878	25.904	0.046	1.345	0.042	1.239
15	15	36%	19%	0%	9%	6%	0%	2%	0%	8%	6%	6%	4%	6%	0%	0%	0%	53	590	LD	25	50	25	72	1	1.020	31.880	0.053	1.656	0.049	1.525
15	16	35%	16%	0%	11%	6%	0%	2%	0%	7%	6%	7%	6%	6%	0%	0%	0%	55	590	LD	25	50	24	74	1	1.107	35.921	0.060	1.932	0.055	1.779
15	17	35%	13%	0%	12%	7%	0%	2%	0%	8%	7%	7%	5%	5%	0%	0%	0%	60	590	LD	25	50	24	76	1	1.059	37.475	0.057	2.023	0.053	1.863
15	18	36%	14%	0%	11%	5%	0%	2%	0%	7%	7%	7%	5%	5%	0%	0%	0%	56	590	LD	25	50	23	77	1	1.103	36.448	0.059	1.955	0.054	1.800
15	19	36%	16%	0%	11%	7%	0%	2%	0%	7%	7%	7%	4%	4%	0%	0%	0%	45	590	LD	25	50	23	78	1	1.031	27.366	0.054	1.438	0.050	1.324
15	20	36%	17%	0%	11%	6%	0%	0%	0%	8%	6%	6%	6%	6%	0%	0%	0%	36	590	LD	25	50	23	79	1	1.023	21.737	0.054	1.157	0.050	1.066
15	21	37%	20%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	30	590	LD	25	50	23	80	1	0.839	14.854	0.043	0.762	0.040	0.701
15	22	37%	20%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	30	590	LD	25	50	23	81	1	0.836	14.798	0.043	0.762	0.040	0.701
15	23	39%	19%	0%	8%	4%	0%	0%	0%	8%	8%	8%	4%	4%	0%	0%	0%	26	590	LD	25	50	23	81	1	0.846	12.981	0.046	0.699	0.042	0.644
16	0	28%	22%	0%	9%	5%	2%	5%	7%	5%	4%	2%	2%	2%	1%	5%	2%	171	200	LD	24	50	23	82	1	1.227	41.956	0.049	1.671	0.045	1.536
16	1	27%	22%	0%	9%	6%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	103	200	LD	25	50	22	82	1	1.203	24.776	0.047	0.975	0.044	0.897
16	2	27%	22%	0%	9%	6%	2%	6%	8%	5%	5%	3%	2%	2%	0%	5%	2%	67	200	LD	25	50	22	83	1	1.182	15.834	0.047	0.635	0.044	0.584
16	3	27%	22%	0%	9%	6%	2%	6%	8%	5%	5%	3%	2%	2%	0%	5%	2%	67	200	LD	25	50	22	83	1	1.182	15.834	0.047	0.635	0.044	0.584
16	4	26%	22%	0%	9%	6%	1%	6%	7%	4%	4%	3%	3%	3%	0%	4%	1%	69	200	LD	25	50	22	83	1	1.287	17.754	0.054	0.746	0.050	0.686
16	5	25%	22%	0%	9%	6%	2%	6%	7%	4%	4%	3%	3%	3%	0%	4%	2%	68	200	LD	25	50	22	83	1	1.306	17.767	0.055	0.744	0.050	0.684
16	6	25%	22%	0%	9%	5%	2%	6%	7%	5%	4%	3%	2%	2%	1%	4%	2%	205	200	LD	24	50	22	83	1	1.329	54.493	0.055	2.246	0.050	2.065
16	7	24%	23%	0%	9%	5%	2%	6%	7%	5%	4%	4%	3%	3%	0%	4%	2%	375	200	LD	22	50	22	82	1	1.428	107.091	0.061	4.582	0.056	4.213
16	8	24%	23%	0%	9%	5%	2%	6%	7%	5%	4%	4%	3%	3%	0%	4%	2%	477	200	LD	21	50	23	79	1	1.459	139.234	0.064	6.137	0.059	5.643
16	9	25%	23%	0%	9%	5%	2%	6%	7%	5%	4%	3%	3%	3%	0%	4%	2%	408	200	LD	22	50	23	77	1	1.401	114.283	0.060	4.862	0.055	4.471
16	10	25%	23%	0%	9%	5%	2%	6%	7%	5%	4%	3%	2%	2%	0%	5%	2%	378	200	LD	22	50	24	74	1	1.378	104.147	0.058	4.396	0.053	4.042
16	11	26%	22%	0%	9%	5%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	343	200	LD	23	50	25	72	1	1.273	87.312	0.053	3.602	0.048	3.311
16	12	27%	22%	0%	9%	5%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	376	200	LD	22	50	25	71	1	1.305	98.107	0.053	4.021	0.049	3.697
16	13	28%	22%	0%	9%	5%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	379	200	LD	22	50	25	71	1	1.294	98.104	0.052	3.957	0.048	3.639
16	14	29%	22%	0%	9%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	379	200	LD	22	50	25	71	1	1.254	95.057	0.050	3.775	0.046	3.471
16	15	29%	22%	0%	9%	6%	2%	4%	7%	5%	4%	2%	1%	1%	1%	5%	2%	417	200	LD	22	50	25	72	1	1.243	103.695	0.048	3.995	0.044	3.673
16	16	30%	22%	0%	9%	6%	1%	4%	7%	5%	4%	2%	1%	1%	1%	5%	2%	417	200	LD	22	50	24	74	1	1.222	101.942	0.046	3.831	0.042	3.522
16	17	31%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	6%	2%	454	200	LD	22	50	24	76	1	1.192	108.215	0.044	4.024	0.041	3.700
16	18	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	1%	5%	2%	417	200	LD	22	50	23	77	1	1.222	101.895	0.045	3.792	0.042	3.487
16	19	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	347	200	LD	23	50	23	78	1	1.171	81.242	0.044	3.050	0.040	2.803
16	20	29%	22%	0%	9%	5%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	276	200	LD	23	50	23	79	1	1.189	65.633	0.045	2.494	0.042	2.292
16	21	29%	22%	0%	9%	5%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	243	200	LD	24	50	23	80	1	1.174	57.052	0.046	2.213	0.042	2.034
16	22	29%	22%	0%	9%	5%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	242	200	LD	24	50	23	81	1	1.192	57.676	0.046	2.246	0.043	2.064
16	23	28%	22%	0%	9%	5%	2%	5%	7%	5%	4%	2%	1%	2%	1%	5%	2%	207	200	LD	24	50	23	81	1	1.202	49.775	0.047	1.949	0.043	1.791
17	0	24%	22%	0%	12%	7%	1%	4%	7%	4%	2%	4%	2%	2%	0%	8%	1%	85	200	LD	25	50	23	82	1	1.413	24.021	0.051	0.868	0.047	0.799
17	1	23%	21%	0%	12%	8%	2%	4%	8%	4%	2%	4%	2%	2%	0%	8%	2%	52	200	LD	25	50	22	82	1	1.398	14.540	0.050	0.523	0.046	0.481
17	2	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	1.331	8.519	0.051	0.325	0.047	0.299
17	3	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	1.331	8.519	0.051	0.325	0.047	0.299
17	4	23%	23%	0%	13%	10%	0%	3%	7%	3%	3%	3%	0%	0%	0%	7%	3%	30	200	LD	25	50	22	83	1	1.133	6.801	0.036	0.219	0.033	0.201
17	5	25%	21%	0%	14%	11%	0%	4%	7%	4%	4%	4%	0%	0%	0%	7%	0%	28	200	LD	25	50	22	83	1	1.181	6.611	0.039	0.216	0.035	0.199

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
17	6	24%	22%	0%	15%	9%	1%	3%	8%	3%	3%	1%	1%	1%	0%	7%	1%	88	200	LD	25	50	22	83	1	1.230	21.647	0.042	0.740	0.039	0.681
17	7	24%	21%	1%	16%	9%	1%	4%	8%	4%	3%	1%	1%	1%	1%	6%	2%	161	200	LD	24	50	22	82	1	1.200	38.656	0.042	1.346	0.038	1.237
17	8	24%	20%	1%	16%	10%	2%	4%	9%	4%	3%	1%	1%	1%	1%	6%	2%	200	200	LD	24	50	23	79	1	1.177	47.081	0.042	1.664	0.038	1.529
17	9	24%	20%	1%	15%	9%	1%	4%	8%	4%	3%	1%	1%	1%	1%	6%	2%	181	200	LD	24	50	23	77	1	1.274	46.114	0.045	1.622	0.041	1.491
17	10	24%	21%	1%	14%	8%	1%	4%	8%	4%	3%	2%	1%	1%	1%	7%	2%	170	200	LD	24	50	24	74	1	1.283	43.637	0.045	1.525	0.041	1.401
17	11	24%	21%	1%	13%	8%	1%	3%	8%	4%	3%	3%	2%	2%	1%	7%	2%	161	200	LD	24	50	25	72	1	1.342	43.220	0.049	1.566	0.045	1.440
17	12	24%	22%	1%	12%	7%	1%	3%	7%	3%	3%	3%	2%	2%	1%	8%	2%	183	200	LD	24	50	25	71	1	1.421	51.992	0.050	1.843	0.046	1.695
17	13	24%	22%	1%	11%	7%	1%	3%	7%	3%	3%	3%	3%	3%	1%	8%	2%	189	200	LD	24	50	25	71	1	1.470	55.568	0.053	1.993	0.048	1.832
17	14	25%	22%	1%	10%	6%	1%	3%	7%	3%	3%	4%	3%	3%	1%	8%	2%	192	200	LD	24	50	25	71	1	1.482	56.919	0.053	2.020	0.048	1.857
17	15	24%	23%	1%	10%	6%	1%	3%	7%	3%	3%	4%	3%	3%	1%	9%	2%	221	200	LD	24	50	25	72	1	1.540	68.061	0.056	2.460	0.051	2.261
17	16	24%	23%	0%	9%	5%	1%	3%	7%	3%	3%	4%	3%	4%	0%	9%	2%	226	200	LD	24	50	24	74	1	1.600	72.314	0.056	2.550	0.052	2.344
17	17	24%	23%	0%	8%	5%	1%	2%	6%	3%	2%	5%	4%	4%	1%	10%	2%	251	200	LD	23	50	24	76	1	1.695	85.111	0.060	3.033	0.056	2.789
17	18	24%	23%	0%	9%	5%	1%	3%	7%	3%	3%	5%	4%	4%	1%	9%	2%	231	200	LD	24	50	23	77	1	1.647	76.079	0.058	2.671	0.053	2.456
17	19	24%	23%	0%	9%	5%	1%	3%	6%	3%	3%	5%	3%	3%	1%	9%	2%	187	200	LD	24	50	23	78	1	1.593	59.579	0.056	2.108	0.052	1.938
17	20	24%	23%	0%	10%	6%	1%	3%	7%	3%	3%	4%	3%	3%	1%	9%	1%	146	200	LD	25	50	23	79	1	1.550	45.253	0.055	1.595	0.050	1.467
17	21	24%	22%	0%	10%	6%	1%	3%	7%	3%	2%	4%	3%	3%	1%	9%	2%	126	200	LD	25	50	23	80	1	1.542	38.860	0.055	1.381	0.050	1.270
17	22	24%	23%	0%	11%	7%	1%	3%	7%	3%	2%	4%	2%	2%	1%	8%	2%	124	200	LD	25	50	23	81	1	1.437	35.648	0.050	1.251	0.046	1.151
17	23	24%	22%	0%	11%	7%	1%	3%	7%	3%	3%	4%	3%	3%	1%	8%	2%	104	200	LD	25	50	23	81	1	1.467	30.517	0.052	1.090	0.048	1.002
18	0	27%	23%	0%	9%	5%	2%	5%	9%	5%	5%	2%	2%	2%	0%	5%	2%	132	250	LD	25	50	23	82	1	1.099	36.253	0.044	1.466	0.041	1.348
18	1	27%	23%	0%	9%	5%	1%	4%	9%	5%	5%	3%	1%	1%	0%	5%	1%	78	250	LD	25	50	22	82	1	1.116	21.754	0.042	0.828	0.039	0.762
18	2	25%	23%	0%	10%	6%	2%	4%	10%	6%	4%	2%	2%	2%	0%	4%	2%	52	250	LD	25	50	22	83	1	1.103	14.337	0.045	0.590	0.042	0.543
18	3	25%	25%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	53	250	LD	25	50	22	83	1	1.103	14.619	0.045	0.597	0.041	0.549
18	4	25%	25%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	53	250	LD	25	50	22	83	1	1.103	14.619	0.045	0.597	0.041	0.549
18	5	23%	25%	0%	10%	6%	2%	4%	10%	6%	4%	2%	2%	2%	0%	4%	2%	52	250	LD	25	50	22	83	1	1.110	14.433	0.045	0.589	0.042	0.541
18	6	22%	25%	0%	9%	6%	2%	4%	9%	6%	4%	3%	2%	2%	1%	4%	2%	158	250	LD	24	50	22	83	1	1.245	49.169	0.049	1.945	0.045	1.788
18	7	21%	25%	0%	9%	6%	2%	5%	9%	6%	5%	3%	2%	2%	0%	4%	2%	293	250	LD	23	50	22	82	1	1.292	94.664	0.053	3.851	0.048	3.540
18	8	21%	25%	0%	9%	5%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	368	250	LD	22	50	23	79	1	1.343	123.585	0.055	5.086	0.051	4.676
18	9	22%	25%	0%	9%	5%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	319	250	LD	23	50	23	77	1	1.285	102.507	0.051	4.102	0.047	3.771
18	10	23%	24%	0%	9%	6%	2%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	292	250	LD	23	50	24	74	1	1.235	90.155	0.050	3.638	0.046	3.344
18	11	24%	24%	0%	9%	5%	2%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	267	250	LD	23	50	25	72	1	1.216	81.168	0.049	3.293	0.045	3.027
18	12	25%	23%	0%	9%	5%	1%	4%	9%	5%	4%	2%	2%	2%	0%	5%	2%	295	250	LD	23	50	25	71	1	1.212	89.349	0.049	3.587	0.045	3.297
18	13	27%	23%	0%	9%	5%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	295	250	LD	23	50	25	71	1	1.166	85.973	0.046	3.409	0.042	3.134
18	14	28%	22%	0%	9%	5%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	296	250	LD	23	50	25	71	1	1.159	85.760	0.046	3.405	0.042	3.130
18	15	29%	22%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	323	250	LD	23	50	25	72	1	1.102	88.989	0.043	3.501	0.040	3.219
18	16	30%	21%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	325	250	LD	23	50	24	74	1	1.107	89.945	0.043	3.513	0.040	3.229
18	17	31%	21%	0%	9%	5%	1%	4%	9%	5%	4%	1%	1%	1%	0%	5%	1%	351	250	LD	23	50	24	76	1	1.074	94.256	0.041	3.640	0.038	3.347
18	18	31%	21%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	324	250	LD	23	50	23	77	1	1.087	88.025	0.042	3.369	0.038	3.097
18	19	30%	21%	0%	9%	6%	2%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	271	250	LD	24	50	23	78	1	1.100	74.529	0.042	2.821	0.038	2.593
18	20	29%	21%	1%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	1%	5%	1%	216	250	LD	24	50	23	79	1	1.128	60.892	0.044	2.360	0.040	2.170
18	21	29%	22%	0%	9%	5%	2%	4%	9%	5%	4%	2%	1%	1%	1%	5%	2%	187	250	LD	24	50	23	80	1	1.101	51.455	0.042	1.954	0.038	1.797
18	22	28%	22%	0%	9%	5%	2%	4%	9%	5%	4%	2%	1%	2%	1%	5%	2%	187	250	LD	24	50	23	81	1	1.151	53.822	0.045	2.084	0.041	1.916
18	23	27%	22%	0%	9%	6%	1%	4%	9%	6%	4%	2%	1%	1%	1%	5%	2%	162	250	LD	24	50	23	81	1	1.145	46.357	0.044	1.765	0.040	1.622
19	0	24%	22%	0%	12%	6%	0%	2%	12%	4%	4%	4%	2%	2%	0%	6%	2%	51	250	LD	25	50	23	82	1	1.189	15.154	0.047	0.599	0.043	0.551
19	1	22%	22%	0%	13%	6%	0%	3%	13%	3%	3%	3%	3%	3%	0%	6%	0%	32	250	LD	25	50	22	82	1	1.380	11.042	0.055	0.438	0.050	0.403
19	2	25%	20%	0%	15%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.967	4.834	0.035	0.175	0.032	0.161
19	3	24%	24%	0%	14%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	21	250	LD	25	50	22	83	1	0.945	4.959	0.033	0.175	0.031	0.161
19	4	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	1.075	5.377	0.037	0.185	0.034	0.170
19	5	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	1.075	5.377	0.037	0.185	0.034	0.170
19	6	21%	24%	0%	15%	8%	2%	3%	11%	5%	3%	2%	0%	0%	0%	5%	2%	62	250	LD	25	50	22	83	1	1.025	15.890	0.037	0.576	0.034	0.529
19	7	21%	25%	0%	15%	9%	1%	3%	12%	5%	4%	1%	0%	0%	0%	5%	1%	112	250	LD	25	50	22	82	1	0.987	27.630	0.035	0.979	0.032	0.901
19	8	21%	26%	1%	15%	9%	1%	3%	12%	4%	4%	0%	0%	0%	0%	4%	1%	143	250	LD	25	50	23	79	1	0.954	34.092	0.034	1.208	0.031	1.112
19	9	21%	24%	0%	15%	9%	1%	2%	12%	4%	3%	1%	1%	1%	0%	5%	1%	123	250	LD	25	50	23	77	1	1.073	33.006	0.039	1.198	0.036	1.103
19	10	21%	24%	0%	14%	8%	1%	3%	12%	5%	4%	2%	1%	1%	0%	5%	1%	112	250	LD	25	50	24	74	1	1.061	29.716	0.041	1.138	0.037	1.048
19	11	22%	22%	0%	13%	8%	1%	2%	12%	4%	4%	3%	2%	2%	0%	5%	1%	103	250	LD	25	50	25	72	1	1.151	29.646	0.046	1.190	0.043	1.095
19	12	22%	21%	0%	12%	7%	1%	3%	11%	4%	4%	4%	3%	3%	0%	5%	1%	114	250	LD	25	50	25	71	1	1.261	35.947	0.052	1.477	0.048	1.359
19	13	23%	20%	0%	11%	7%	1%	2%	11%	4%	4%	4%	3%	3%	0%	6%	1%	114	250	LD	25	50	25	71	1	1.290	36.776	0.052	1.477	0.048	1.359
19	14	23%	19%	0%	10%	6%	1%	2%	11%	4%	4%	5%	4%	4%	1%	6%	1%	115	250	LD	25	50	25	71	1	1.423	40.921	0.058	1.654	0.053	1.523
19	15	23%	18%	0%	10%	6%	1%	2%	12%	4%	3%	6%	4%	4%	1%	6%	2%	125	250	LD	25	50	25	72	1	1.469	45.891	0.061	1.900	0.056	1.748
19	16	24%	17%	0%	9%	5%	1%	2%	12%	4%	3%	6%	5%	5%	1%	7%	2%	127	250	LD	25	50	24	74	1	1.585	50.313	0.065	2.076	0.060	1.909
19	17	24%	15%	0%	7%	4%	1%	2%	12%	4%	4%	7%	5%	5%	1%	7%	2%	137	250	LD	25	50	24	76	1	1.616	55.357	0.068	2.341	0.063	2.154
19	18	24%	16%	0%	8%	5%	1%	2%	12%	4%	3%	7%	5%	5%	1%	7%	2%	126	250	LD	25	50	23	77	1	1.618	50.964	0.067	2.110	0.062	1.941
19	19	23%	17%	0%	8%	5%	1%	2%	11%	4%	4%	7%	5%	5%	1%	7%	2%	107	250	LD	25	50	23	78	1	1.575	42.144	0.066	1.756	0.060	1.615
19	20	23%	17%	0%	9%	6%	1%	2%	11%	5%	3%	6%	5%	5%	0%	7%	1%	88	250	LD	25	50	23	79	1	1.534	33.745	0.065	1.426	0.060	1.312
19	21	23%	18%	0%	10%	5%	1%	1%	12%	4%	4%	5%	4%	4%	0%	7%	1%	74	250	LD	25	50	23	80	1	1.470	27.189	0.062	1.139	0.057	1.048
19	22	23%	19%	0%	9%	5%	1%	1%	12%	4%	4%	5%	4%	4%	0%	7%	1%	75	250	LD	25	50	23	81	1	1.437	26.951	0.060	1.126	0.055	1.036
19	23	23%	19%	0%	11%	7%	0%	2%	11%	5%	3%	5%	3%	3%	0%	7%	2%	62	250	LD	25	50	23	81	1	1.342	20.808	0.054	0.843	0.050	0.776
20	0	31%	28%	0%	10%	6%	1%	3%	8%	3%	3%	1%	1%	1%	0%	4%	3%	151	310	LD	24	50	23	82	1	0.902	42.217	0.033	1.534	0.030	1.409
20	1	30%	29%	0%	10%	6%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	2%	90	310	LD	25	50	22	82	1	0.856	23.895	0.028	0.781	0.026	0.718
20	2	29%	29%	0%	10%	7%	2%	3%	9%	3%	3%	0%	0%	0%	0%	3%	2%	59	310	LD	25	50	22	83	1	0.853	15.605	0.030	0.545	0.027	0.502
20	3	28%	30%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	60	310	LD	25	50	22	83	1	0.842	15.653	0.029	0.542	0.027	0.499
20	4	28%	30%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	60	310	LD	25	50	22	83	1	0.842	15.653	0.029	0.542	0.027	0.499
20	5	27%	31%	0%	10%	7%	2%	3%	9%	3%	3%	0%	0%	0%	0%	3%	2%	59	310	LD	25	50	22	83	1	0.860	15.725	0.030	0.543	0.027	0.500
20	6	27%	31%	1%	11%	6%	1%	3%	9%	3%	3%	1%	1%	1%	0%	4%	1%	177	310	LD	23	50	22	83	1	0.971	53.301	0.035	1.919	0.032	1.764
20	7	26%	31%	0%	11%	6%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	1%	326	310	LD	21	50	22	82	1	1.020	103.091	0.036	3.628	0.033	3.337
20	8	25%	31%	0%	11%	7%	1%	3%	9%	4%	3%	1%	1%	1%	0%	4%	1%	412	310	LD	20	50	23	79	1	1.054	134.565	0.039	4.933	0.036	4.539
20	9	26%	31%	0%	11%	7%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	1%	356	310	LD	21	50	23	77	1	0.998	110.183	0.035	3.882	0.032	3.569
20	10	27%	30%	0%	11%	6%	1%	2%	8%	4%	3%	1%	0%	0%	0%	4%	2%	328	310	LD	21	50	24	74	1	0.987	100.330	0.035	3.542	0.032	3.256
20	11	28%	29%	0%	10%	6%	1%	3%	8%	3%	3%	1%	0%	0%	0%	4%	2%	301	310	LD	22	50	25	72	1	0.955	89.136	0.034	3.193	0.031	2.934
20	12	30%	29%	0%	10%	6%	1%	2%	8%	3%	3%	1%	0%	1%	0%	4%	2%	331	310	LD	21	50	25	71	1	0.976	100.143	0.035	3.626	0.032	3.332
20	13	31%	28%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	2%	333	310	LD	21	50	25	71	1	0.978	100.908	0.036	3.706	0.033	3.405
20	14	32%	27%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	337	310	LD	21	50	25	71	1	0.994	103.804	0.036	3.770	0.033	3.463
20	15	32%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	371	310	LD	21	50	25	72	1	0.958	110.195	0.035	4.067	0.032	3.735
20	16	33%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	373	310	LD	21	50	24	74	1	0.962	111.241	0.035	4.054	0.032	3.721
20	17	34%	25%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	406	310	LD	20	50	24	76	1	0.969	121.979	0.036	4.491	0.033	4.124
20	18	34%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	373	310	LD	21	50	23	77	1	0.963	111.328	0.035	4.039	0.032	3.707
20	19	33%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	311	310	LD	22	50	23	78	1	0.956	92.195	0.034	3.301	0.031	3.030
20	20	32%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	3%	247	310	LD	22	50	23	79	1	0.935	71.619	0.033	2.552	0.031	2.342
20	21	32%	27%	1%	9%	6%	1%	2%	8%	3%	3%	1%	1%	1%	1%	4%	3%	215	310	LD	23	50	23	80	1	0.937	62.460	0.032	2.164	0.030	1.987
20	22	31%	27%	1%	9%	6%	1%	2%	8%	3%	3%	1%	1%	1%	1%	4%	3%	214	310	LD	23	50	23	81	1	0.936	62.070	0.032	2.150	0.030	1.974
20	23	31%	28%	0%	9%	6%	1%	2%	8%	3%	3%	1%	1%	1%	1%	4%	3%	181	310	LD	23	50	23	81	1	0.937	52.586	0.033	1.865	0.031	1.712
21	0	21%	21%	0%	10%	6%	0%	0%	21%	4%	4%	4%	2%	2%	0%	6%	0%	52	310	LD	25	50	23	82	1	1.154	18.602	0.048	0.770	0.044	0.709
21	1	21%	21%	0%	9%	6%	0%	0%	21%	3%	3%	3%	3%	3%	0%	6%	0%	33	310	LD	25	50	22	82	1	1.290	13.193	0.053	0.539	0.048	0.496
21	2	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.869	5.654	0.033	0.212	0.030	0.195
21	3	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.869	5.654	0.033	0.212	0.030	0.195
21	4	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.906	5.619	0.034	0.209	0.031	0.193
21	5	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.906	5.619	0.034	0.209	0.031	0.193
21	6	21%	24%	0%	11%	7%	0%	0%	23%	5%	5%	0%	0%	0%	0%	5%	0%	62	310	LD	25	50	22	83	1	0.901	17.324	0.033	0.636	0.030	0.586
21	7	20%	25%	0%	12%	7%	0%	1%	22%	5%	4%	0%	0%	0%	0%	4%	0%	118	310	LD	24	50	22	82	1	0.915	33.458	0.035	1.292	0.033	1.189
21	8	20%	24%	0%	12%	7%	0%	1%	22%	5%	5%	0%	0%	0%	0%	4%	0%	153	310	LD	24	50	23	79	1	0.892	42.307	0.035	1.678	0.033	1.544
21	9	20%	23%	0%	11%	7%	0%	1%	22%	5%	5%	1%	1%	1%	0%	4%	0%	133	310	LD	24	50	23	77	1	0.979	40.350	0.041	1.680	0.037	1.546
21	10	21%	23%	0%	11%	7%	0%	0%	22%	5%	4%	1%	1%	1%	0%	4%	0%	118	310	LD	24	50	24	74	1	0.961	35.148	0.039	1.438	0.036	1.323
21	11	22%	22%	0%	10%	7%	0%	0%	22%	5%	4%	2%	1%	1%	0%	5%	1%	107	310	LD	24	50	25	72	1	0.997	33.075	0.041	1.361	0.038	1.252
21	12	21%	22%	0%	10%	6%	0%	0%	21%	5%	4%	3%	2%	2%	0%	5%	1%	120	310	LD	24	50	25	71	1	1.098	40.837	0.046	1.714	0.042	1.577
21	13	22%	22%	0%	10%	6%	0%	0%	21%	4%	3%	3%	2%	3%	0%	5%	1%	116	310	LD	24	50	25	71	1	1.162	41.792	0.049	1.752	0.045	1.611
21	14	22%	21%	0%	9%	5%	0%	0%	21%	4%	3%	3%	3%	3%	0%	6%	1%	116	310	LD	24	50	25	71	1	1.243	44.688	0.052	1.877	0.048	1.726
21	15	22%	19%	0%	9%	5%	0%	0%	20%	4%	3%	4%	3%	3%	1%	6%	2%	129	310	LD	24	50	25	72	1	1.346	53.821	0.056	2.233	0.051	2.053
21	16	22%	19%	0%	8%	5%	0%	0%	20%	4%	3%	5%	3%	3%	1%	6%	2%	127	310	LD	24	50	24	74	1	1.372	54.018	0.056	2.224	0.052	2.044
21	17	23%	18%	0%	7%	4%	0%	0%	20%	4%	3%	5%	4%	4%	1%	7%	2%	137	310	LD	24	50	24	76	1	1.419	60.270	0.060	2.536	0.055	2.331
21	18	22%	19%	0%	8%	5%	0%	0%	19%	4%	3%	5%	4%	4%	1%	6%	2%	129	310	LD	24	50	23	77	1	1.457	58.251	0.061	2.435	0.056	2.239
21	19	22%	20%	0%	8%	5%	0%	0%	20%	4%	4%	5%	4%	4%	0%	7%	1%	107	310	LD	24	50	23	78	1	1.402	46.501	0.059	1.974	0.055	1.815
21	20	22%	20%	0%	8%	5%	0%	0%	20%	4%	4%	5%	4%	4%	0%	6%	1%	86	310	LD	25	50	23	79	1	1.303	34.730	0.056	1.498	0.052	1.379
21	21	22%	20%	0%	8%	5%	0%	0%	20%	4%	4%	4%	3%	3%	0%	5%	1%	74	310	LD	25	50	23	80	1	1.205	27.636	0.051	1.180	0.047	1.086
21	22	21%	20%	0%	9%	5%	0%	0%	20%	4%	4%	4%	3%	3%	0%	5%	1%	75	310	LD	25	50	23	81	1	1.193	27.733	0.051	1.195	0.047	1.100
21	23	23%	21%	0%	10%	5%	0%	0%	21%	5%	3%	3%	2%	2%	0%	5%	2%	62	310	LD	25	50	23	81	1	1.036	19.918	0.044	0.849	0.041	0.781
22	0	24%	22%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	101	330	LD	24	50	23	82	1	0.952	31.716	0.038	1.255	0.035	1.152
22	1	23%	21%	0%	11%	7%	0%	2%	11%	7%	7%	2%	2%	2%	0%	5%	3%	62	330	LD	25	50	22	82	1	1.073	21.951	0.041	0.837	0.038	0.769
22	2	23%	21%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.914	11.765	0.032	0.415	0.030	0.382
22	3	23%	21%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.914	11.765	0.032	0.415	0.030	0.382
22	4	24%	21%	0%	13%	8%	0%	0%	11%	8%	5%	3%	0%	0%	0%	5%	3%	38	330	LD	25	50	22	83	1	0.916	11.490	0.031	0.390	0.029	0.358
22	5	24%	21%	0%	13%	8%	0%	0%	11%	8%	5%	3%	0%	0%	0%	5%	3%	38	330	LD	25	50	22	83	1	0.916	11.490	0.031	0.390	0.029	0.358
22	6	23%	21%	0%	13%	7%	0%	1%	12%	8%	6%	2%	1%	1%	0%	4%	3%	112	330	LD	24	50	22	83	1	0.937	34.614	0.037	1.383	0.034	1.271
22	7	23%	20%	1%	12%	7%	0%	1%	12%	8%	6%	2%	1%	1%	1%	4%	2%	202	330	LD	23	50	22	82	1	1.022	68.131	0.039	2.602	0.036	2.391
22	8	22%	20%	0%	12%	7%	0%	1%	12%	8%	7%	2%	1%	1%	0%	4%	2%	255	330	LD	22	50	23	79	1	1.068	89.890	0.043	3.622	0.040	3.329
22	9	23%	20%	0%	12%	7%	0%	1%	12%	8%	6%	2%	1%	1%	0%	4%	2%	226	330	LD	23	50	23	77	1	1.065	79.435	0.042	3.145	0.039	2.890
22	10	23%	21%	1%	12%	7%	1%	1%	12%	8%	6%	1%	1%	1%	1%	4%	2%	210	330	LD	23	50	24	74	1	1.019	70.642	0.040	2.776	0.037	2.550
22	11	23%	21%	1%	12%	7%	1%	1%	12%	7%	6%	2%	1%	1%	1%	4%	3%	198	330	LD	23	50	25	72	1	1.022	66.792	0.040	2.620	0.037	2.406
22	12	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	224	330	LD	23	50	25	71	1	1.045	77.269	0.042	3.073	0.038	2.823
22	13	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	229	330	LD	23	50	25	71	1	1.080	81.621	0.042	3.179	0.039	2.920
22	14	23%	21%	0%	12%	7%	0%	1%	11%	6%	6%	2%	1%	1%	0%	4%	3%	234	330	LD	22	50	25	71	1	1.108	85.546	0.044	3.366	0.040	3.092
22	15	23%	21%	0%	12%	7%	0%	2%	11%	7%	5%	2%	1%	1%	0%	4%	3%	260	330	LD	22	50	25	72	1	1.089	93.408	0.043	3.690	0.039	3.389

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
22	16	23%	21%	0%	12%	7%	0%	2%	11%	6%	5%	2%	1%	1%	0%	5%	3%	267	330	LD	22	50	24	74	1	1.111	97.902	0.043	3.773	0.039	3.465
22	17	23%	22%	0%	12%	7%	1%	2%	10%	6%	5%	2%	1%	1%	0%	4%	3%	298	330	LD	22	50	24	76	1	1.116	109.734	0.044	4.340	0.041	3.986
22	18	23%	22%	0%	12%	7%	0%	2%	10%	6%	5%	2%	1%	1%	0%	4%	3%	270	330	LD	22	50	23	77	1	1.111	99.009	0.043	3.795	0.039	3.485
22	19	23%	21%	0%	12%	7%	0%	1%	10%	6%	5%	2%	1%	1%	0%	5%	3%	223	330	LD	23	50	23	78	1	1.100	80.920	0.042	3.086	0.039	2.834
22	20	24%	21%	1%	12%	7%	1%	1%	11%	6%	5%	2%	1%	1%	1%	4%	3%	174	330	LD	23	50	23	79	1	1.047	60.140	0.040	2.322	0.037	2.132
22	21	23%	21%	0%	12%	7%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	150	330	LD	24	50	23	80	1	1.015	50.263	0.041	2.016	0.037	1.852
22	22	23%	21%	0%	12%	7%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	148	330	LD	24	50	23	81	1	1.036	50.594	0.042	2.045	0.038	1.878
22	23	23%	21%	0%	12%	7%	1%	2%	11%	6%	6%	2%	2%	2%	0%	4%	3%	126	330	LD	24	50	23	81	1	1.050	43.642	0.043	1.786	0.039	1.640
23	0	35%	9%	0%	11%	7%	2%	4%	0%	2%	2%	7%	4%	4%	0%	9%	4%	46	330	LD	25	50	23	82	1	1.622	24.627	0.065	0.981	0.059	0.902
23	1	38%	8%	0%	13%	8%	0%	4%	0%	4%	0%	4%	4%	4%	0%	8%	4%	24	330	LD	25	50	22	82	1	1.542	12.211	0.059	0.465	0.054	0.427
23	2	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	1.704	8.995	0.075	0.398	0.069	0.366
23	3	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	1.704	8.995	0.075	0.398	0.069	0.366
23	4	43%	7%	0%	14%	7%	0%	7%	0%	0%	0%	7%	0%	0%	0%	7%	7%	14	330	LD	25	50	22	83	1	1.189	5.492	0.044	0.203	0.040	0.186
23	5	39%	8%	0%	15%	8%	0%	8%	0%	0%	0%	8%	0%	0%	0%	8%	8%	13	330	LD	25	50	22	83	1	1.285	5.511	0.047	0.202	0.043	0.185
23	6	42%	3%	0%	16%	8%	3%	8%	0%	3%	3%	3%	3%	3%	0%	5%	3%	38	330	LD	25	50	22	83	1	1.353	16.971	0.057	0.719	0.053	0.662
23	7	42%	3%	0%	15%	9%	3%	9%	0%	5%	3%	3%	2%	2%	0%	3%	3%	67	330	LD	25	50	22	82	1	1.176	26.010	0.053	1.177	0.049	1.082
23	8	43%	1%	0%	16%	10%	4%	10%	0%	4%	4%	3%	1%	1%	0%	1%	3%	80	330	LD	25	50	23	79	1	1.108	29.262	0.054	1.433	0.050	1.318
23	9	40%	4%	0%	14%	9%	3%	8%	0%	4%	3%	4%	3%	3%	0%	4%	3%	77	330	LD	25	50	23	77	1	1.305	33.171	0.058	1.476	0.053	1.357
23	10	39%	5%	0%	14%	8%	3%	8%	0%	3%	3%	4%	3%	3%	0%	6%	4%	78	330	LD	25	50	24	74	1	1.434	36.911	0.059	1.511	0.054	1.388
23	11	36%	6%	0%	13%	8%	3%	6%	0%	3%	3%	5%	4%	4%	0%	8%	4%	80	330	LD	25	50	25	72	1	1.569	41.426	0.064	1.698	0.059	1.561
23	12	35%	7%	0%	12%	7%	2%	5%	0%	2%	2%	5%	4%	4%	1%	8%	4%	95	330	LD	24	50	25	71	1	1.749	54.841	0.068	2.120	0.062	1.947
23	13	35%	8%	0%	11%	7%	2%	5%	0%	2%	1%	6%	4%	4%	1%	10%	5%	101	330	LD	24	50	25	71	1	1.800	60.002	0.067	2.227	0.061	2.044
23	14	33%	9%	0%	11%	6%	2%	5%	0%	2%	1%	6%	5%	5%	1%	11%	5%	110	330	LD	24	50	25	71	1	1.890	68.619	0.069	2.519	0.064	2.314
23	15	33%	9%	0%	10%	6%	2%	4%	0%	1%	1%	7%	5%	5%	1%	12%	6%	128	330	LD	24	50	25	72	1	1.931	81.559	0.070	2.964	0.064	2.721
23	16	32%	10%	0%	10%	6%	2%	4%	0%	1%	1%	7%	5%	5%	1%	13%	5%	136	330	LD	24	50	24	74	1	2.026	90.918	0.072	3.253	0.067	2.986
23	17	31%	11%	0%	9%	6%	1%	3%	0%	1%	1%	8%	5%	6%	1%	13%	5%	157	330	LD	23	50	24	76	1	2.141	110.942	0.076	3.943	0.070	3.621
23	18	32%	11%	0%	9%	6%	1%	4%	0%	1%	1%	7%	5%	5%	1%	13%	5%	139	330	LD	24	50	23	77	1	2.043	93.727	0.071	3.274	0.066	3.006
23	19	32%	10%	0%	10%	5%	1%	4%	0%	1%	1%	7%	5%	5%	1%	13%	5%	112	330	LD	24	50	23	78	1	2.047	75.663	0.073	2.697	0.067	2.476
23	20	33%	9%	0%	11%	6%	1%	4%	0%	1%	1%	7%	5%	5%	1%	12%	5%	85	330	LD	25	50	23	79	1	1.899	53.253	0.067	1.879	0.062	1.726
23	21	33%	10%	0%	10%	6%	1%	4%	0%	1%	1%	7%	4%	6%	1%	11%	6%	73	330	LD	25	50	23	80	1	1.893	45.605	0.068	1.637	0.062	1.503
23	22	34%	9%	0%	10%	6%	2%	4%	0%	2%	2%	6%	4%	4%	2%	12%	4%	68	330	LD	25	50	23	81	1	1.888	42.368	0.066	1.476	0.060	1.356
23	23	32%	9%	0%	10%	7%	2%	5%	0%	2%	2%	7%	5%	5%	0%	10%	5%	59	330	LD	25	50	23	81	1	1.827	35.572	0.071	1.388	0.066	1.275
24	0	19%	21%	0%	9%	5%	1%	3%	15%	7%	6%	4%	3%	3%	0%	5%	1%	81	130	LD	25	50	23	82	1	1.222	12.871	0.053	0.554	0.048	0.510
24	1	20%	22%	0%	9%	4%	0%	2%	16%	9%	7%	2%	2%	2%	0%	4%	0%	45	130	LD	25	50	22	82	1	1.124	6.576	0.047	0.275	0.043	0.253
24	2	18%	21%	0%	9%	6%	0%	3%	15%	6%	6%	3%	3%	3%	0%	6%	0%	33	130	LD	25	50	22	83	1	1.372	5.885	0.055	0.238	0.051	0.219
24	3	16%	22%	0%	9%	6%	0%	3%	16%	6%	6%	3%	3%	3%	0%	6%	0%	32	130	LD	25	50	22	83	1	1.415	5.885	0.057	0.237	0.052	0.218
24	4	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	1.446	5.828	0.059	0.237	0.054	0.218
24	5	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	1.446	5.828	0.059	0.237	0.054	0.218
24	6	17%	20%	0%	9%	6%	1%	2%	16%	8%	7%	3%	2%	2%	0%	6%	1%	89	130	LD	25	50	22	83	1	1.264	14.621	0.052	0.597	0.047	0.549
24	7	16%	21%	0%	9%	6%	1%	2%	17%	8%	6%	3%	3%	3%	1%	6%	1%	159	130	LD	25	50	22	82	1	1.329	27.476	0.053	1.094	0.049	1.007
24	8	15%	20%	1%	10%	6%	1%	2%	17%	8%	6%	4%	3%	3%	1%	5%	1%	202	130	LD	24	50	23	79	1	1.339	35.158	0.056	1.462	0.051	1.345
24	9	17%	21%	0%	10%	6%	1%	2%	17%	8%	6%	3%	2%	2%	1%	5%	1%	176	130	LD	25	50	23	77	1	1.286	29.423	0.052	1.200	0.048	1.105
24	10	17%	21%	0%	9%	6%	1%	2%	16%	8%	6%	3%	2%	2%	1%	6%	1%	164	130	LD	25	50	24	74	1	1.293	27.566	0.052	1.110	0.048	1.021
24	11	17%	21%	0%	9%	5%	1%	3%	16%	8%	7%	3%	2%	3%	1%	5%	1%	155	130	LD	25	50	25	72	1	1.260	25.394	0.051	1.036	0.047	0.954
24	12	18%	21%	0%	9%	5%	1%	2%	15%	8%	6%	3%	2%	2%	1%	5%	1%	174	130	LD	25	50	25	71	1	1.249	28.253	0.051	1.144	0.047	1.052
24	13	19%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	2%	2%	1%	5%	1%	179	130	LD	25	50	25	71	1	1.241	28.880	0.051	1.178	0.047	1.084
24	14	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	2%	2%	1%	5%	1%	182	130	LD	25	50	25	71	1	1.216	28.779	0.050	1.177	0.046	1.083
24	15	21%	22%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	3%	1%	5%	1%	202	130	LD	24	50	25	72	1	1.251	32.859	0.052	1.355	0.047	1.246
24	16	21%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	208	130	LD	24	50	24	74	1	1.248	33.759	0.051	1.390	0.047	1.278
24	17	22%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	1%	228	130	LD	24	50	24	76	1	1.217	36.064	0.050	1.494	0.046	1.374
24	18	22%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	209	130	LD	24	50	23	77	1	1.256	34.128	0.051	1.394	0.047	1.282
24	19	21%	23%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	171	130	LD	25	50	23	78	1	1.221	27.154	0.049	1.093	0.045	1.006
24	20	21%	22%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	2%	135	130	LD	25	50	23	79	1	1.196	20.998	0.049	0.858	0.045	0.789
24	21	21%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	3%	3%	0%	5%	1%	117	130	LD	25	50	23	80	1	1.234	18.773	0.051	0.783	0.047	0.720
24	22	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	4%	3%	3%	0%	5%	1%	115	130	LD	25	50	23	81	1	1.241	18.555	0.052	0.777	0.048	0.715
24	23	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	2%	2%	0%	5%	1%	97	130	LD	25	50	23	81	1	1.212	15.283	0.050	0.633	0.046	0.583
25	0	43%	17%	0%	10%	6%	1%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	97	130	LD	25	50	23	82	1	1.057	13.328	0.040	0.507	0.037	0.466
25	1	43%	16%	0%	10%	7%	2%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	58	130	LD	25	50	22	82	1	1.074	8.102	0.040	0.302	0.037	0.277
25	2	42%	16%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	38	130	LD	25	50	22	83	1	1.112	5.492	0.041	0.204	0.038	0.187
25	3	43%	14%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	37	130	LD	25	50	22	83	1	1.132	5.446	0.043	0.205	0.039	0.189
25	4	44%	14%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	36	130	LD	25	50	22	83	1	0.989	4.631	0.042	0.197	0.039	0.181
25	5	43%	14%	0%	14%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	37	130	LD	25	50	22	83	1	0.977	4.701	0.042	0.202	0.039	0.185
25	6	46%	12%	0%	13%	8%	1%	3%	0%	3%	3%	2%	2%	2%	0%	3%	3%	105	130	LD	25	50	22	83	1	0.911	12.439	0.038	0.517	0.035	0.475
25	7	46%	12%	1%	14%	8%	1%	3%	0%	3%	3%	2%	2%	2%	0%	2%	3%	190	130	LD	25	50	22	82	1	0.856	21.134	0.037	0.911	0.034	0.838
25	8	47%	12%	0%	14%	9%	1%	3%	0%	3%	3%	2%	1%	1%	0%	1%	2%	232	130	LD	24	50	23	79	1	0.783	23.614	0.035	1.066	0.032	0.980
25	9	46%	12%	1%	13%	8%	1%	3%	0%	3%	3%	2%	1%	1%	0%	2%	2%	209	130	LD	24	50	23	77	1	0.874	23.747	0.037	1.007	0.034	0.925
25	10	44%	13%	1%	13%	8%	1%	3%	0%	3%	3%	3%	2%	2%	0%	3%	3%	198	130	LD	25	50	24	74	1	0.935	24.064	0.039	1.007	0.036	0.926
25	11	43%	14%	1%	12%	7%	1%	3%	0%	3%	2%	3%	2%	2%	1%	4%	3%	188	130	LD	25	50	25	72	1	1.031	25.197	0.040	0.974	0.037	0.895
25	12	43%	15%	1%	11%	7%	1%	3%	0%	2%	2%	3%	2%	2%	1%	5%	3%	212	130	LD	24	50	25	71	1	1.123	30.945	0.044	1.200	0.040	1.102
25	13	42%	16%	1%	10%	6%	1%	3%	0%	2%	2%	4%	2%	3%	1%	6%	3%	219	130	LD	24	50	25	71	1	1.179	33.557	0.044	1.264	0.041	1.161
25	14	41%	16%	0%	10%	6%	1%	3%	0%	2%	2%	4%	3%	3%	0%	6%	4%	226	130	LD	24	50	25	71	1	1.229	36.094	0.045	1.335	0.042	1.226
25	15	40%	17%	0%	9%	6%	1%	3%	0%	2%	2%	4%	3%	3%	0%	7%	4%	254	130	LD	24	50	25	72	1	1.294	42.736	0.047	1.545	0.043	1.419
25	16	39%	18%	0%	8%	5%	1%	3%	0%	2%	2%	4%	3%	3%	0%	8%	4%	264	130	LD	24	50	24	74	1	1.356	46.547	0.048	1.657	0.044	1.521
25	17	39%	18%	0%	8%	5%	1%	3%	0%	2%	1%	4%	3%	3%	1%	8%	4%	295	130	LD	24	50	24	76	1	1.405	53.879	0.049	1.885	0.045	1.731
25	18	39%	18%	0%	8%	5%	1%	3%	0%	2%	2%	4%	3%	3%	0%	8%	4%	265	130	LD	24	50	23	77	1	1.382	47.620	0.048	1.661	0.044	1.525
25	19	40%	18%	0%	8%	5%	1%	3%	0%	2%	1%	4%	3%	3%	1%	7%	4%	217	130	LD	24	50	23	78	1	1.373	38.725	0.049	1.385	0.045	1.272
25	20	40%	18%	0%	9%	5%	1%	3%	0%	2%	2%	4%	3%	3%	1%	7%	4%	171	130	LD	25	50	23	79	1	1.297	28.837	0.046	1.032	0.043	0.949
25	21	40%	17%	0%	10%	6%	1%	3%	0%	2%	1%	4%	3%	3%	1%	7%	3%	146	130	LD	25	50	23	80	1	1.251	23.745	0.045	0.846	0.041	0.777
25	22	41%	17%	0%	10%	6%	1%	3%	0%	2%	2%	4%	3%	3%	1%	6%	4%	144	130	LD	25	50	23	81	1	1.225	22.926	0.044	0.833	0.041	0.765
25	23	42%	17%	0%	10%	6%	1%	3%	0%	3%	2%	3%	3%	3%	1%	6%	3%	120	130	LD	25	50	23	81	1	1.158	18.059	0.042	0.653	0.038	0.600
26	0	41%	18%	0%	10%	6%	2%	5%	0%	3%	3%	3%	2%	2%	0%	3%	3%	145	130	DD	29	50	23	82	1	0.896	16.881	0.037	0.694	0.034	0.637
26	1	41%	19%	0%	9%	6%	2%	5%	0%	4%	2%	2%	2%	2%	0%	2%	4%	86	130	DD	30	50	22	82	1	0.879	9.826	0.035	0.396	0.033	0.364
26	2	40%	19%	0%	9%	5%	2%	5%	0%	4%	4%	4%	2%	2%	0%	2%	4%	57	130	DD	30	50	22	83	1	0.835	6.184	0.035	0.257	0.032	0.236
26	3	40%	19%	0%	9%	5%	2%	5%	0%	4%	4%	4%	2%	2%	0%	2%	4%	57	130	DD	30	50	22	83	1	0.835	6.184	0.035	0.257	0.032	0.236
26	4	39%	20%	0%	9%	5%	2%	5%	0%	4%	4%	4%	2%	2%	0%	2%	4%	56	130	DD	30	50	22	83	1	0.844	6.145	0.035	0.255	0.032	0.234
26	5	39%	20%	0%	9%	5%	2%	5%	0%	4%	4%	4%	2%	2%	0%	2%	4%	56	130	DD	30	50	22	83	1	0.844	6.145	0.035	0.255	0.032	0.234
26	6	37%	19%	0%	9%	5%	2%	6%	0%	4%	3%	3%	3%	3%	0%	2%	3%	175	130	DD	29	50	22	83	1	0.962	21.879	0.042	0.958	0.039	0.880
26	7	37%	20%	0%	8%	5%	2%	6%	0%	4%	3%	4%	3%	3%	0%	2%	3%	323	130	DD	27	50	22	82	1	1.025	43.022	0.046	1.922	0.042	1.766
26	8	36%	20%	0%	8%	5%	2%	6%	0%	4%	4%	4%	3%	3%	0%	2%	3%	413	130	DD	25	50	23	79	1	1.063	57.064	0.049	2.656	0.045	2.442
26	9	37%	20%	0%	9%	5%	2%	6%	0%	4%	3%	4%	3%	3%	0%	2%	3%	352	130	DD	26	50	23	77	1	1.033	47.290	0.046	2.108	0.042	1.937
26	10	38%	19%	0%	9%	5%	2%	6%	0%	4%	3%	3%	3%	3%	0%	2%	3%	322	130	DD	27	50	24	74	1	0.984	41.175	0.043	1.799	0.039	1.652
26	11	39%	19%	0%	9%	6%	2%	5%	0%	4%	3%	3%	2%	2%	0%	2%	3%	290	130	DD	27	50	25	72	1	0.945	35.645	0.041	1.534	0.037	1.409
26	12	40%	19%	0%	9%	6%	2%	5%	0%	4%	3%	3%	2%	2%	0%	3%	3%	318	130	DD	27	50	25	71	1	0.928	38.379	0.038	1.590	0.035	1.461
26	13	41%	18%	0%	10%	6%	2%	5%	0%	3%	3%	3%	2%	2%	0%	3%	3%	317	130	DD	27	50	25	71	1	0.913	37.610	0.037	1.509	0.034	1.386
26	14	42%	18%	0%	10%	6%	2%	5%	0%	3%	3%	2%	2%	2%	0%	3%	3%	319	130	DD	27	50	25	71	1	0.910	37.743	0.036	1.480	0.033	1.359
26	15	43%	18%	0%	11%	6%	2%	4%	0%	3%	2%	2%	1%	1%	0%	3%	4%	344	130	DD	26	50	25	72	1	0.882	39.429	0.034	1.526	0.031	1.401
26	16	44%	17%	0%	11%	6%	2%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	342	130	DD	27	50	24	74	1	0.853	37.904	0.031	1.376	0.028	1.263
26	17	45%	17%	0%	11%	7%	1%	4%	0%	2%	2%	1%	1%	1%	0%	4%	4%	370	130	DD	26	50	24	76	1	0.850	40.876	0.030	1.444	0.028	1.326
26	18	44%	17%	0%	11%	6%	2%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	343	130	DD	27	50	23	77	1	0.850	37.889	0.031	1.363	0.028	1.251
26	19	44%	17%	0%	11%	6%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	287	130	DD	27	50	23	78	1	0.859	32.060	0.031	1.168	0.029	1.072
26	20	43%	17%	0%	10%	6%	2%	4%	0%	3%	2%	2%	1%	1%	0%	4%	4%	231	130	DD	28	50	23	79	1	0.882	26.498	0.033	0.977	0.030	0.896
26	21	43%	18%	1%	10%	6%	2%	5%	0%	3%	3%	2%	2%	2%	0%	3%	4%	202	130	DD	28	50	23	80	1	0.851	22.352	0.033	0.877	0.031	0.805
26	22	43%	18%	1%	10%	6%	2%	5%	0%	3%	3%	2%	2%	2%	0%	3%	4%	200	130	DD	28	50	23	81	1	0.848	22.037	0.033	0.865	0.031	0.794
26	23	42%	18%	0%	10%	6%	2%	5%	0%	3%	3%	2%	2%	2%	0%	3%	4%	172	130	DD	29	50	23	81	1	0.855	19.129	0.034	0.757	0.031	0.695
27	0	20%	22%	0%	9%	7%	0%	0%	13%	7%	7%	2%	2%	2%	0%	9%	2%	46	130	LD	25	50	23	82	1	1.307	7.815	0.045	0.267	0.041	0.246
27	1	17%	21%	0%	10%	7%	0%	0%	14%	7%	7%	3%	3%	3%	0%	7%	0%	29	130	LD	25	50	22	82	1	1.381	5.205	0.053	0.201	0.049	0.185
27	2	24%	24%	0%	12%	6%	0%	0%	12%	6%	6%	6%	0%	0%	0%	6%	0%	17	130	LD	25	50	22	83	1	0.987	2.182	0.035	0.078	0.032	0.072
27	3	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.983	1.917	0.029	0.057	0.027	0.053
27	4	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.983	1.917	0.029	0.057	0.027	0.053
27	5	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.983	1.917	0.029	0.057	0.027	0.053
27	6	18%	26%	0%	8%	6%	0%	0%	14%	8%	6%	2%	2%	2%	0%	6%	2%	50	130	LD	25	50	22	83	1	1.140	7.408	0.041	0.269	0.038	0.247
27	7	17%	26%	0%	8%	5%	0%	1%	14%	8%	6%	2%	2%	2%	0%	5%	2%	95	130	LD	25	50	22	82	1	1.144	14.134	0.043	0.537	0.040	0.494
27	8	16%	27%	0%	9%	5%	0%	1%	14%	9%	7%	3%	2%	2%	0%	5%	2%	118	130	LD	24	50	23	79	1	1.112	17.063	0.043	0.661	0.040	0.608
27	9	17%	26%	0%	9%	5%	0%	1%	14%	8%	7%	3%	2%	2%	0%	6%	2%	105	130	LD	24	50	23	77	1	1.186	16.189	0.046	0.621	0.042	0.571
27	10	18%	25%	0%	8%	5%	0%	1%	14%	8%	6%	3%	2%	2%	0%	6%	1%	96	130	LD	24	50	24	74	1	1.229	15.343	0.047	0.583	0.043	0.536
27	11	19%	23%	0%	9%	6%	0%	1%	13%	8%	7%	2%	2%	2%	0%	7%	1%	90	130	LD	25	50	25	72	1	1.214	14.209	0.045	0.530	0.042	0.488
27	12	20%	23%	0%	9%	5%	0%	1%	13%	7%	6%	3%	2%	2%	1%	8%	1%	101	130	LD	24	50	25	71	1	1.363	17.891	0.047	0.620	0.043	0.570
27	13	20%	21%	0%	10%	6%	0%	1%	13%	7%	6%	3%	2%	2%	1%	9%	1%	104	130	LD	24	50	25	71	1	1.411	19.080	0.047	0.642	0.044	0.590
27	14	21%	21%	0%	10%	6%	0%	1%	12%	7%	6%	3%	2%	2%	1%	9%	1%	105	130	LD	24	50	25	71	1	1.400	19.105	0.047	0.645	0.043	0.593
27	15	22%	20%	0%	9%	6%	0%	1%	13%	7%	5%	3%	2%	2%	1%	9%	1%	117	130	LD	24	50	25	72	1	1.406	21.392	0.046	0.703	0.042	0.646
27	16	22%	18%	0%	10%	6%	0%	1%	12%	7%	5%	3%	3%	3%	1%	10%	1%	121	130	LD	24	50	24	74	1	1.515	23.831	0.051	0.797	0.047	0.733
27	17	23%	17%	0%	10%	6%	1%	2%	12%	6%	5%	3%	2%	2%	1%	10%	1%	135	130	LD	24	50	24	76	1	1.541	27.052	0.052	0.909	0.048	0.836
27	18	23%	18%	0%	10%	6%	0%	1%	12%	7%	5%	3%	2%	2%	1%	10%	1%	123	130	LD	24	50	23	77	1	1.519	24.283	0.051	0.815	0.047	0.749
27	19	22%	19%	0%	10%	6%	0%	1%	12%	6%	5%	3%	2%	2%	1%	10%	1%	100	130	LD	24	50	23	78	1	1.510	19.625	0.049	0.634	0.045	0.583
27	20	21%	19%	0%	10%	5%	0%	1%	13%	6%	5%	3%	3%	3%	1%	10%	1%	80	130	LD	25	50	23	79	1	1.524	15.851	0.050	0.520	0.046	0.478
27	21	22%	19%	0%	9%	6%	0%	2%	13%	7%	6%	3%	2%	2%	0%	9%	2%	68	130	LD	25	50	23	80	1	1.296	11.458	0.045	0.394	0.041	0.363
27	22	21%	21%	0%	9%	6%	0%	2%	13%	7%	6%	3%	2%	2%	0%	9%	2%	68	130	LD	25	50	23	81	1	1.297	11.464	0.044	0.393	0.041	0.362
27	23	21%	21%	0%	9%	5%	0%	2%	12%	7%	5%	4%	2%	2%	0%	9%	2%	57	130	LD	25	50	23	81	1	1.329	9.846	0.047	0.345	0.043	0.317
28	0	28%	22%	0%	11%	6%	3%	3%	0%	3%	3%	3%	3%	3%	0%	11%	3%	36	60	LD	25	50	23	82	1	1.547	3.342	0.049	0.106	0.045	0.098
28	1	35%	24%	0%	12%	6%	0%	6%	0%	0%	0%	6%	0%	0%	0%	12%	0%	17	60	LD	25	50	22	82	1	1.422	1.451	0.040	0.040	0.037	0.037

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
28	2	33%	25%	0%	17%	8%	0%	8%	0%	0%	0%	0%	0%	0%	0%	8%	0%	12	60	LD	25	50	22	83	1	1.249	0.900	0.036	0.026	0.033	0.024
28	3	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.456	0.873	0.043	0.026	0.040	0.024
28	4	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.456	0.873	0.043	0.026	0.040	0.024
28	5	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.456	0.873	0.043	0.026	0.040	0.024
28	6	27%	12%	0%	15%	9%	3%	6%	0%	3%	3%	3%	3%	3%	0%	9%	3%	33	60	LD	25	50	22	83	1	1.648	3.263	0.060	0.118	0.055	0.109
28	7	34%	10%	0%	16%	10%	2%	6%	0%	2%	2%	2%	2%	2%	0%	8%	4%	50	60	LD	25	50	22	82	1	1.442	4.326	0.051	0.153	0.047	0.141
28	8	35%	7%	0%	17%	10%	2%	7%	0%	3%	2%	2%	2%	2%	0%	9%	3%	58	60	LD	25	50	23	79	1	1.458	5.072	0.051	0.179	0.047	0.165
28	9	33%	12%	0%	16%	9%	2%	5%	0%	4%	2%	2%	2%	2%	0%	9%	4%	57	60	LD	25	50	23	77	1	1.422	4.863	0.048	0.164	0.044	0.151
28	10	30%	17%	0%	15%	8%	2%	5%	0%	2%	2%	3%	2%	2%	0%	10%	3%	60	60	LD	25	50	24	74	1	1.494	5.377	0.049	0.175	0.045	0.161
28	11	28%	20%	0%	13%	8%	2%	5%	0%	2%	2%	3%	2%	2%	0%	10%	3%	60	60	LD	25	50	25	72	1	1.479	5.326	0.048	0.171	0.044	0.158
28	12	28%	22%	0%	13%	7%	1%	4%	0%	1%	1%	3%	3%	3%	1%	10%	3%	72	60	LD	25	50	25	71	1	1.596	6.893	0.051	0.218	0.046	0.201
28	13	28%	24%	0%	12%	6%	1%	4%	0%	1%	1%	3%	3%	3%	1%	10%	3%	78	60	LD	25	50	25	71	1	1.577	7.382	0.048	0.224	0.044	0.206
28	14	27%	26%	0%	11%	7%	1%	4%	0%	1%	1%	4%	2%	2%	1%	11%	2%	85	60	LD	25	50	25	71	1	1.584	8.077	0.047	0.241	0.043	0.221
28	15	27%	28%	0%	10%	6%	1%	4%	0%	2%	1%	3%	2%	2%	1%	11%	2%	98	60	LD	24	50	25	72	1	1.601	9.417	0.046	0.273	0.043	0.251
28	16	25%	29%	0%	10%	6%	1%	4%	0%	2%	1%	4%	3%	3%	1%	11%	2%	108	60	LD	24	50	24	74	1	1.677	10.867	0.051	0.328	0.047	0.302
28	17	25%	30%	0%	10%	6%	1%	3%	0%	2%	1%	3%	3%	3%	1%	12%	2%	122	60	LD	24	50	24	76	1	1.629	11.927	0.047	0.346	0.043	0.318
28	18	26%	29%	0%	10%	6%	1%	4%	0%	2%	1%	4%	3%	3%	1%	11%	2%	110	60	LD	24	50	23	77	1	1.656	10.930	0.049	0.326	0.045	0.300
28	19	25%	29%	0%	10%	6%	1%	3%	0%	1%	1%	3%	2%	2%	1%	12%	2%	87	60	LD	25	50	23	78	1	1.614	8.424	0.046	0.239	0.042	0.219
28	20	25%	28%	0%	10%	6%	2%	3%	0%	2%	2%	3%	3%	3%	2%	10%	2%	67	60	LD	25	50	23	79	1	1.627	6.539	0.049	0.195	0.045	0.180
28	21	27%	27%	0%	11%	7%	2%	4%	0%	2%	2%	4%	2%	2%	0%	11%	2%	56	60	LD	25	50	23	80	1	1.481	4.976	0.044	0.149	0.041	0.137
28	22	26%	26%	0%	11%	7%	2%	4%	0%	2%	2%	4%	2%	2%	0%	11%	2%	54	60	LD	25	50	23	81	1	1.525	4.941	0.046	0.149	0.042	0.137
28	23	27%	24%	0%	11%	7%	2%	4%	0%	2%	2%	2%	2%	2%	0%	11%	2%	45	60	LD	25	50	23	81	1	1.545	4.172	0.047	0.128	0.043	0.117
29	0	33%	20%	0%	10%	5%	3%	8%	0%	3%	3%	5%	3%	3%	0%	5%	3%	40	60	LD	25	50	23	82	1	1.307	3.137	0.054	0.131	0.050	0.120
29	1	32%	20%	0%	8%	4%	4%	8%	0%	4%	4%	4%	4%	4%	0%	4%	0%	25	60	LD	25	50	22	82	1	1.427	2.140	0.063	0.094	0.058	0.086
29	2	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	1.785	1.606	0.075	0.068	0.069	0.062
29	3	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	1.785	1.606	0.075	0.068	0.069	0.062
29	4	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	1.785	1.606	0.075	0.068	0.069	0.062
29	5	31%	19%	0%	6%	6%	6%	6%	0%	0%	0%	6%	6%	6%	0%	6%	0%	16	60	LD	25	50	22	83	1	1.822	1.749	0.079	0.076	0.072	0.070
29	6	35%	16%	0%	8%	4%	4%	8%	0%	2%	2%	6%	4%	4%	0%	4%	2%	49	60	LD	25	50	22	83	1	1.467	4.312	0.067	0.196	0.061	0.180
29	7	36%	15%	0%	7%	5%	3%	9%	0%	2%	2%	7%	5%	5%	0%	3%	1%	87	60	LD	25	50	22	82	1	1.508	7.872	0.071	0.370	0.065	0.341
29	8	36%	15%	0%	7%	5%	4%	10%	0%	3%	2%	6%	5%	5%	0%	3%	1%	109	60	LD	24	50	23	79	1	1.531	10.010	0.075	0.489	0.069	0.450
29	9	35%	16%	0%	7%	4%	3%	10%	0%	3%	2%	6%	4%	4%	0%	3%	1%	94	60	LD	24	50	23	77	1	1.510	8.517	0.072	0.404	0.066	0.372
29	10	34%	17%	0%	8%	5%	3%	9%	0%	2%	2%	6%	5%	5%	0%	3%	1%	88	60	LD	25	50	24	74	1	1.474	7.785	0.069	0.363	0.063	0.334
29	11	34%	18%	0%	9%	5%	3%	9%	0%	3%	3%	5%	4%	4%	0%	4%	1%	79	60	LD	25	50	25	72	1	1.398	6.626	0.063	0.301	0.058	0.277
29	12	33%	19%	0%	9%	6%	2%	8%	0%	3%	2%	6%	3%	3%	0%	5%	1%	89	60	LD	25	50	25	71	1	1.386	7.401	0.060	0.322	0.055	0.296
29	13	33%	20%	0%	9%	6%	2%	7%	0%	3%	2%	5%	3%	3%	0%	6%	1%	89	60	LD	25	50	25	71	1	1.395	7.448	0.057	0.304	0.052	0.280
29	14	31%	21%	0%	10%	6%	2%	7%	0%	3%	2%	4%	3%	3%	0%	6%	1%	90	60	LD	25	50	25	71	1	1.393	7.523	0.057	0.306	0.052	0.281
29	15	30%	22%	0%	10%	6%	2%	6%	0%	3%	3%	4%	3%	3%	0%	6%	2%	100	60	LD	24	50	25	72	1	1.405	8.432	0.056	0.333	0.051	0.306
29	16	29%	23%	0%	10%	6%	2%	6%	0%	3%	3%	4%	3%	3%	0%	7%	2%	102	60	LD	24	50	24	74	1	1.461	8.938	0.055	0.337	0.051	0.310
29	17	29%	25%	0%	11%	6%	2%	5%	0%	3%	3%	3%	2%	3%	1%	7%	2%	110	60	LD	24	50	24	76	1	1.418	9.359	0.048	0.315	0.044	0.290
29	18	30%	24%	0%	11%	6%	2%	5%	0%	3%	3%	3%	2%	2%	0%	7%	2%	100	60	LD	24	50	23	77	1	1.346	8.079	0.047	0.283	0.043	0.260
29	19	29%	22%	0%	11%	6%	2%	6%	0%	4%	2%	4%	2%	2%	0%	7%	2%	85	60	LD	25	50	23	78	1	1.390	7.088	0.051	0.258	0.046	0.237
29	20	30%	22%	0%	10%	6%	2%	6%	0%	3%	3%	5%	3%	3%	0%	6%	2%	67	60	LD	25	50	23	79	1	1.380	5.546	0.054	0.216	0.049	0.199
29	21	31%	22%	0%	10%	5%	2%	7%	0%	3%	2%	3%	3%	3%	0%	7%	2%	59	60	LD	25	50	23	80	1	1.450	5.134	0.056	0.198	0.051	0.182
29	22	32%	21%	0%	11%	5%	2%	7%	0%	4%	2%	4%	4%	4%	0%	5%	2%	57	60	LD	25	50	23	81	1	1.375	4.701	0.056	0.193	0.052	0.178
29	23	32%	20%	0%	10%	6%	2%	6%	0%	2%	2%	4%	4%	4%	0%	6%	2%	50	60	LD	25	50	23	81	1	1.452	4.357	0.059	0.177	0.054	0.162
30	0	22%	26%	0%	13%	9%	0%	4%	0%	4%	0%	4%	4%	4%	0%	4%	4%	23	80	LD	25	50	23	82	1	1.354	2.491	0.056	0.103	0.052	0.095
30	1	27%	27%	0%	18%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	9%	11	80	LD	25	50	22	82	1	1.069	0.941	0.023	0.020	0.021	0.018
30	2	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	1.429	0.800	0.026	0.015	0.024	0.013
30	3	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	1.429	0.800	0.026	0.015	0.024	0.013
30	4	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	1.597	0.766	0.030	0.015	0.028	0.013
30	5	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	1.597	0.766	0.030	0.015	0.028	0.013
30	6	25%	15%	0%	20%	10%	0%	0%	0%	0%	0%	5%	5%	5%	0%	10%	5%	20	80	LD	25	50	22	83	1	1.694	2.711	0.060	0.097	0.056	0.089
30	7	26%	10%	0%	23%	13%	0%	3%	0%	0%	0%	3%	3%	3%	0%	10%	7%	31	80	LD	25	50	22	82	1	1.636	4.057	0.056	0.140	0.052	0.128
30	8	27%	5%	0%	24%	14%	0%	3%	0%	0%	0%	5%	3%	3%	0%	11%	5%	37	80	LD	25	50	23	79	1	1.668	4.938	0.058	0.171	0.053	0.157
30	9	24%	14%	0%	22%	14%	0%	3%	0%	0%	0%	5%	3%	3%	0%	8%	5%	37	80	LD	25	50	23	77	1	1.518	4.493	0.054	0.160	0.050	0.147
30	10	24%	18%	0%	18%	11%	0%	3%	0%	3%	0%	5%	3%	3%	0%	8%	5%	38	80	LD	25	50	24	74	1	1.426	4.334	0.051	0.154	0.046	0.141
30	11	24%	24%	0%	16%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	8%	5%	38	80	LD	25	50	25	72	1	1.339	4.072	0.045	0.137	0.041	0.125
30	12	24%	27%	0%	13%	9%	0%	2%	0%	2%	2%	4%	2%	2%	0%	7%	4%	45	80	LD	25	50	25	71	1	1.251	4.505	0.043	0.154	0.039	0.141
30	13	23%	31%	0%	13%	8%	0%	2%	0%	2%	2%	4%	2%	2%	0%	6%	4%	48	80	LD	25	50	25	71	1	1.208	4.640	0.040	0.155	0.037	0.143
30	14	23%	32%	0%	11%	6%	2%	4%	0%	4%	2%	4%	2%	2%	0%	6%	4%	53	80	LD	25	50	25	71	1	1.195	5.065	0.042	0.179	0.039	0.164
30	15	21%	33%	0%	9%	6%	2%	3%	0%	3%	3%	3%	3%	3%	0%	6%	5%	66	80	LD	25	50	25	72	1	1.280	6.760	0.045	0.238	0.041	0.219
30	16	22%	36%	0%	9%	4%	1%	3%	0%	3%	3%	3%	3%	3%	0%	6%	4%	69	80	LD	25	50	24	74	1	1.231	6.797	0.043	0.236	0.039	0.217
30	17	22%	38%	0%	8%	5%	1%	3%	0%	4%	3%	4%	3%	3%	0%	5%	4%	79	80	LD	25	50	24	76	1	1.145	7.236	0.040	0.254	0.037	0.233
30	18	21%	37%	0%	9%	4%	1%	3%	0%	3%	3%	3%	3%	3%	0%	6%	4%	70	80	LD	25	50	23	77	1	1.237	6.925	0.043	0.238	0.039	0.219
30	19	21%	36%	0%	9%	5%	2%	4%	0%	4%	4%	4%	2%	2%	0%	5%	4%	56	80	LD	25	50	23	78	1	1.169	5.235	0.040	0.178	0.037	0.164
30	20	23%	38%	0%	10%	5%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	5%	40	80	LD	25	50	23	79	1	1.110	3.553	0.038	0.120	0.035	0.110
30	21	22%	33%	0%	11%	6%	0%	3%	0%	3%	3%	3%	3%	3%	0%	6%	6%	36	80	LD	25	50	23	80	1	1.199	3.454	0.042	0.121	0.038	0.111
30	22	24%	32%	0%	12%	6%	0%	3%	0%	3%	3%	3%	3%	3%	0%	6%	3%	34	80	LD	25	50	23	81	1	1.226	3.334	0.043	0.117	0.040	0.108
30	23	21%	31%	0%	10%	7%	0%	3%	0%	3%	3%	3%	3%	3%	0%	7%	3%	29	80	LD	25	50	23	81	1	1.376	3.193	0.048	0.112	0.045	0.103
31	0	18%	24%	0%	18%	12%	0%	6%	0%	6%	6%	0%	0%	0%	0%	12%	0%	17	80	LD	25	50	23	82	1	1.483	2.018	0.039	0.052	0.035	0.048
31	1	25%	25%	0%	25%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%	8	80	LD	25	50	22	82	1	1.347	0.862	0.028	0.018	0.026	0.017
31	2	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.903	0.761	0.035	0.014	0.032	0.013
31	3	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.903	0.761	0.035	0.014	0.032	0.013
31	4	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.903	0.761	0.035	0.014	0.032	0.013
31	5	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.903	0.761	0.035	0.014	0.032	0.013
31	6	15%	23%	0%	23%	15%	0%	8%	0%	0%	0%	0%	0%	0%	0%	15%	0%	13	80	LD	25	50	22	83	1	1.846	1.920	0.046	0.048	0.042	0.044
31	7	15%	23%	0%	15%	12%	0%	4%	0%	4%	4%	4%	4%	4%	0%	12%	0%	26	80	LD	25	50	22	82	1	1.834	3.815	0.059	0.124	0.055	0.114
31	8	14%	21%	0%	17%	10%	3%	7%	0%	3%	0%	3%	3%	3%	0%	14%	0%	29	80	LD	25	50	23	79	1	2.058	4.775	0.067	0.156	0.062	0.143
31	9	14%	21%	0%	18%	11%	0%	4%	0%	4%	4%	4%	4%	4%	0%	14%	0%	28	80	LD	25	50	23	77	1	1.977	4.430	0.060	0.135	0.055	0.124
31	10	17%	23%	0%	17%	10%	0%	3%	0%	3%	3%	3%	3%	3%	0%	13%	0%	30	80	LD	25	50	24	74	1	1.836	4.407	0.056	0.134	0.051	0.123
31	11	17%	23%	0%	17%	10%	0%	3%	0%	3%	3%	3%	3%	3%	0%	13%	0%	30	80	LD	25	50	25	72	1	1.818	4.363	0.056	0.134	0.051	0.123
31	12	17%	22%	0%	17%	11%	0%	3%	0%	6%	3%	3%	3%	3%	0%	14%	0%	36	80	LD	25	50	25	71	1	1.798	5.178	0.052	0.151	0.048	0.139
31	13	15%	23%	0%	18%	10%	0%	3%	0%	5%	5%	3%	3%	3%	0%	15%	0%	40	80	LD	25	50	25	71	1	1.827	5.847	0.051	0.163	0.047	0.150
31	14	17%	24%	0%	17%	10%	0%	2%	0%	5%	5%	2%	2%	2%	0%	14%	0%	42	80	LD	25	50	25	71	1	1.756	5.899	0.049	0.164	0.045	0.151
31	15	15%	23%	0%	17%	10%	2%	2%	0%	6%	4%	2%	2%	2%	2%	14%	0%	52	80	LD	25	50	25	72	1	1.778	7.397	0.047	0.196	0.043	0.180
31	16	16%	24%	0%	16%	9%	2%	2%	0%	6%	4%	2%	2%	2%	2%	15%	0%	55	80	LD	25	50	24	74	1	1.821	8.011	0.046	0.202	0.042	0.186
31	17	17%	23%	0%	16%	9%	2%	3%	0%	5%	5%	2%	2%	2%	2%	14%	0%	64	80	LD	25	50	24	76	1	1.796	9.193	0.046	0.238	0.043	0.219
31	18	16%	23%	0%	16%	11%	2%	2%	0%	5%	5%	2%	2%	2%	2%	14%	0%	57	80	LD	25	50	23	77	1	1.833	8.358	0.047	0.212	0.043	0.195
31	19	16%	26%	0%	16%	9%	0%	2%	0%	5%	5%	2%	2%	2%	0%	14%	0%	43	80	LD	25	50	23	78	1	1.736	5.972	0.047	0.162	0.043	0.150
31	20	17%	23%	0%	17%	9%	0%	3%	0%	6%	3%	3%	3%	3%	0%	14%	0%	35	80	LD	25	50	23	79	1	1.812	5.074	0.053	0.147	0.048	0.136
31	21	18%	25%	0%	18%	11%	0%	4%	0%	4%	4%	4%	0%	0%	0%	14%	0%	28	80	LD	25	50	23	80	1	1.604	3.594	0.040	0.089	0.036	0.082
31	22	19%	22%	0%	19%	11%	0%	4%	0%	4%	4%	4%	0%	0%	0%	15%	0%	27	80	LD	25	50	23	81	1	1.637	3.537	0.041	0.088	0.038	0.081
31	23	18%	23%	0%	18%	9%	0%	5%	0%	5%	5%	5%	0%	0%	0%	14%	0%	22	80	LD	25	50	23	81	1	1.579	2.778	0.042	0.074	0.039	0.068
32	0	22%	22%	0%	6%	6%	0%	6%	0%	6%	6%	11%	6%	6%	0%	0%	6%	18	220	LD	25	50	23	82	1	1.326	5.251	0.071	0.281	0.065	0.258
32	1	17%	17%	0%	8%	0%	0%	8%	0%	8%	8%	8%	8%	8%	0%	0%	8%	12	220	LD	25	50	22	82	1	1.613	4.259	0.088	0.232	0.081	0.213
32	2	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	3	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	4	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	5	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	6	13%	17%	0%	4%	4%	4%	8%	0%	8%	8%	13%	8%	8%	0%	0%	4%	24	220	LD	25	50	22	83	1	1.810	9.559	0.098	0.519	0.090	0.477
32	7	12%	19%	0%	7%	5%	2%	9%	0%	7%	7%	12%	9%	9%	0%	0%	2%	43	220	LD	25	50	22	82	1	1.911	18.077	0.103	0.973	0.095	0.895
32	8	11%	18%	0%	6%	4%	4%	9%	0%	9%	7%	13%	9%	9%	0%	0%	2%	55	220	LD	25	50	23	79	1	1.890	22.871	0.104	1.254	0.095	1.153
32	9	13%	17%	0%	7%	4%	4%	9%	0%	9%	7%	11%	9%	9%	0%	0%	2%	46	220	LD	25	50	23	77	1	1.839	18.609	0.099	1.005	0.091	0.925
32	10	15%	20%	0%	5%	3%	3%	10%	0%	8%	8%	13%	8%	8%	0%	0%	3%	40	220	LD	25	50	24	74	1	1.720	15.135	0.094	0.826	0.086	0.760
32	11	16%	19%	0%	5%	3%	3%	8%	0%	8%	5%	11%	8%	8%	0%	0%	5%	37	220	LD	25	50	25	72	1	1.662	13.525	0.092	0.745	0.084	0.685
32	12	20%	20%	0%	5%	3%	3%	8%	0%	8%	5%	10%	8%	8%	0%	0%	5%	40	220	LD	25	50	25	71	1	1.558	13.710	0.085	0.749	0.078	0.688
32	13	21%	21%	0%	5%	3%	3%	8%	0%	5%	5%	10%	8%	8%	0%	0%	5%	39	220	LD	25	50	25	71	1	1.597	13.700	0.087	0.747	0.080	0.686
32	14	24%	21%	0%	5%	3%	3%	8%	0%	5%	5%	8%	5%	5%	0%	0%	8%	38	220	LD	25	50	25	71	1	1.332	11.137	0.071	0.592	0.065	0.544
32	15	24%	22%	0%	7%	2%	2%	7%	0%	5%	5%	7%	5%	5%	0%	0%	7%	41	220	LD	25	50	25	72	1	1.256	11.325	0.067	0.602	0.061	0.553
32	16	26%	24%	0%	5%	2%	2%	5%	0%	5%	5%	7%	5%	5%	0%	0%	10%	42	220	LD	25	50	24	74	1	1.160	10.715	0.060	0.557	0.055	0.511
32	17	28%	24%	0%	7%	4%	2%	4%	0%	4%	2%	7%	4%	4%	0%	0%	9%	46	220	LD	25	50	24	76	1	1.084	10.966	0.056	0.566	0.051	0.519
32	18	27%	24%	0%	5%	2%	2%	5%	0%	5%	2%	7%	5%	5%	0%	0%	10%	41	220	LD	25	50	23	77	1	1.169	10.544	0.061	0.547	0.056	0.501
32	19	25%	22%	0%	6%	3%	3%	6%	0%	6%	3%	8%	6%	6%	0%	0%	8%	36	220	LD	25	50	23	78	1	1.292	10.232	0.068	0.542	0.063	0.497
32	20	24%	21%	0%	7%	3%	3%	7%	0%	3%	3%	7%	7%	7%	0%	0%	7%	29	220	LD	25	50	23	79	1	1.465	9.346	0.078	0.495	0.071	0.455
32	21	24%	20%	0%	4%	4%	4%	8%	0%	4%	4%	8%	4%	8%	0%	0%	8%	25	220	LD	25	50	23	80	1	1.488	8.185	0.077	0.424	0.071	0.390
32	22	23%	19%	0%	4%	4%	4%	8%	0%	4%	4%	8%	8%	8%	0%	0%	8%	26	220	LD	25	50	23	81	1	1.576	9.014	0.085	0.484	0.078	0.444
32	23	23%	23%	0%	5%	5%	5%	9%	0%	5%	5%	9%	5%	5%	0%	0%	5%	22	220	LD	25	50	23	81	1	1.369	6.628	0.072	0.349	0.066	0.321
33	0	8%	0%	0%	17%	8%	0%	0%	0%	0%	0%	8%	8%	8%	0%	42%	0%	12	220	LD	25	50	23	82	1	3.947	10.420	0.103	0.273	0.095	0.251
33	1	14%	0%	0%	14%	14%	0%	0%	0%	0%	0%	14%	0%	0%	0%	43%	0%	7	220	LD	25	50	22	82	1	3.448	5.309	0.067	0.104	0.062	0.095
33	2	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	3	220	LD	25	50	22	83	1	4.574	3.019	0.064	0.042	0.059	0.039
33	3	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	2	220	LD	25	50	22	83	1	3.616	1.591	0.060	0.026	0.055	0.024
33	4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	6.483	1.426	0.073	0.016	0.067	0.015
33	5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	6.483	1.426	0.073	0.016	0.067	0.015
33	6	11%	0%	0%	11%	11%	0%	0%	0%	0%	0%	11%	11%	11%	0%	33%	0%	9	220	LD	25	50	22	83	1	3.814	7.551	0.117	0.231	0.107	0.212
33	7	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	13%	7%	7%	0%	33%	0%	15	220	LD	25	50	22	82	1	3.605	11.897	0.107	0.352	0.098	0.323
33	8	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	14%	10%	10%	0%	24%	0%	21	220	LD	25	50	23	79	1	3.266	15.088	0.116	0.536	0.107	0.493
33	9	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	10%	10%	10%	0%	29%	0%	21	220	LD	25	50	23	77	1	3.505	16.193	0.112	0.519	0.103	0.477
33	10	11%	0%	0%	16%	11%	0%	5%	0%	0%	0%	11%	5%	5%	0%	37%	0%	19	220	LD	25	50	24	74	1	3.641	15.221	0.097	0.405	0.089	0.373
33	11	10%	0%	0%	15%	10%	0%	5%	0%	0%	0%	10%	5%	5%	5%	35%	0%	20	220	LD	25	50	25	72	1	3.746	16.484	0.095	0.417	0.087	0.384

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
33	12	13%	0%	0%	13%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	42%	0%	24	220	LD	25	50	25	71	1	3.947	20.840	0.089	0.468	0.082	0.430
33	13	12%	0%	0%	12%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	44%	0%	25	220	LD	25	50	25	71	1	4.039	22.212	0.088	0.483	0.081	0.444
33	14	11%	4%	0%	14%	7%	0%	4%	0%	0%	0%	7%	4%	4%	4%	43%	0%	28	220	LD	25	50	25	71	1	3.884	23.927	0.083	0.510	0.076	0.469
33	15	9%	3%	0%	12%	9%	0%	3%	0%	3%	0%	6%	3%	3%	3%	46%	0%	33	220	LD	25	50	25	72	1	3.914	28.416	0.079	0.570	0.072	0.525
33	16	11%	3%	0%	14%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	46%	0%	37	220	LD	25	50	24	74	1	3.895	31.703	0.076	0.615	0.069	0.566
33	17	9%	2%	0%	11%	7%	2%	5%	0%	2%	0%	5%	5%	5%	2%	46%	0%	44	220	LD	25	50	24	76	1	4.058	39.282	0.089	0.858	0.082	0.790
33	18	11%	3%	0%	14%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	46%	0%	37	220	LD	25	50	23	77	1	3.919	31.904	0.076	0.615	0.069	0.566
33	19	10%	3%	0%	13%	7%	0%	3%	0%	0%	0%	7%	3%	3%	3%	47%	0%	30	220	LD	25	50	23	78	1	4.079	26.920	0.082	0.540	0.075	0.497
33	20	9%	4%	0%	13%	9%	0%	4%	0%	0%	0%	4%	4%	4%	4%	44%	0%	23	220	LD	25	50	23	79	1	4.053	20.510	0.085	0.430	0.078	0.395
33	21	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	80	1	4.302	17.037	0.096	0.381	0.088	0.350
33	22	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	81	1	4.287	16.978	0.096	0.381	0.088	0.350
33	23	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	40%	0%	15	220	LD	25	50	23	81	1	3.855	12.722	0.102	0.335	0.093	0.308
34	0	28%	25%	0%	14%	9%	2%	7%	0%	4%	4%	2%	2%	2%	0%	0%	4%	57	170	LD	25	50	23	82	1	0.949	9.199	0.044	0.429	0.041	0.394
34	1	28%	25%	0%	14%	8%	3%	6%	0%	3%	3%	3%	3%	3%	0%	0%	3%	36	170	LD	25	50	22	82	1	1.043	6.380	0.049	0.301	0.045	0.277
34	2	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.922	3.760	0.042	0.173	0.039	0.159
34	3	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.922	3.760	0.042	0.173	0.039	0.159
34	4	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.922	3.760	0.042	0.173	0.039	0.159
34	5	26%	26%	0%	13%	9%	4%	9%	0%	4%	4%	4%	0%	0%	0%	0%	0%	23	170	LD	25	50	22	83	1	0.938	3.668	0.043	0.169	0.040	0.155
34	6	24%	27%	0%	16%	9%	3%	7%	1%	4%	3%	3%	1%	1%	0%	0%	1%	71	170	LD	25	50	22	83	1	0.978	11.802	0.045	0.549	0.042	0.505
34	7	22%	26%	1%	15%	9%	2%	7%	2%	4%	4%	3%	2%	2%	0%	0%	1%	135	170	LD	24	50	22	82	1	1.107	25.401	0.053	1.211	0.049	1.114
34	8	22%	27%	1%	15%	9%	2%	8%	1%	5%	4%	3%	2%	2%	0%	0%	1%	171	170	LD	23	50	23	79	1	1.105	32.113	0.053	1.538	0.049	1.415
34	9	23%	26%	1%	15%	9%	3%	7%	1%	4%	3%	3%	2%	2%	0%	0%	1%	146	170	LD	24	50	23	77	1	1.080	26.796	0.051	1.270	0.047	1.168
34	10	25%	27%	0%	15%	9%	2%	7%	1%	4%	3%	2%	2%	2%	0%	0%	2%	127	170	LD	24	50	24	74	1	1.005	21.698	0.047	1.019	0.043	0.937
34	11	26%	26%	0%	15%	9%	3%	7%	1%	3%	3%	3%	2%	2%	0%	0%	3%	117	170	LD	24	50	25	72	1	0.998	19.842	0.048	0.949	0.044	0.872
34	12	28%	26%	0%	14%	8%	2%	6%	1%	3%	3%	2%	2%	2%	0%	0%	3%	125	170	LD	24	50	25	71	1	0.952	20.229	0.045	0.959	0.041	0.881
34	13	29%	25%	0%	14%	8%	2%	6%	1%	3%	2%	2%	2%	2%	0%	0%	4%	125	170	LD	24	50	25	71	1	0.945	20.084	0.045	0.957	0.041	0.879
34	14	30%	25%	0%	13%	7%	2%	6%	1%	3%	2%	2%	2%	2%	0%	1%	5%	126	170	LD	24	50	25	71	1	0.948	20.296	0.043	0.929	0.040	0.852
34	15	32%	24%	0%	12%	8%	2%	5%	0%	3%	2%	2%	2%	2%	0%	1%	5%	133	170	LD	24	50	25	72	1	0.911	20.606	0.041	0.933	0.038	0.855
34	16	34%	24%	0%	12%	7%	2%	5%	0%	2%	2%	2%	2%	2%	0%	1%	6%	130	170	LD	24	50	24	74	1	0.894	19.749	0.040	0.884	0.037	0.810
34	17	36%	24%	0%	11%	6%	1%	5%	0%	2%	1%	2%	1%	1%	0%	1%	7%	140	170	LD	24	50	24	76	1	0.833	19.823	0.038	0.897	0.035	0.821
34	18	35%	24%	0%	12%	7%	2%	5%	0%	2%	2%	2%	2%	2%	0%	1%	6%	130	170	LD	24	50	23	77	1	0.893	19.733	0.040	0.879	0.036	0.805
34	19	34%	24%	0%	12%	7%	2%	6%	0%	3%	2%	2%	2%	2%	0%	1%	6%	110	170	LD	24	50	23	78	1	0.937	17.529	0.042	0.782	0.038	0.717
34	20	33%	24%	0%	13%	7%	2%	6%	0%	2%	2%	2%	1%	1%	0%	0%	6%	87	170	LD	25	50	23	79	1	0.814	12.037	0.038	0.555	0.034	0.509
34	21	32%	24%	0%	13%	8%	3%	5%	0%	3%	3%	3%	1%	1%	0%	0%	5%	78	170	LD	25	50	23	80	1	0.838	11.117	0.039	0.515	0.036	0.472
34	22	31%	24%	0%	13%	8%	3%	6%	0%	3%	3%	3%	1%	1%	0%	0%	5%	78	170	LD	25	50	23	81	1	0.883	11.709	0.041	0.547	0.038	0.502
34	23	30%	25%	0%	13%	8%	2%	6%	0%	3%	3%	3%	2%	2%	0%	0%	5%	67	170	LD	25	50	23	81	1	0.878	9.998	0.041	0.468	0.038	0.430
35	0	16%	8%	0%	11%	8%	3%	11%	13%	11%	8%	5%	3%	3%	0%	0%	3%	38	170	LD	25	50	23	82	1	1.302	8.409	0.072	0.464	0.066	0.427
35	1	12%	8%	0%	12%	8%	4%	12%	12%	12%	8%	4%	4%	4%	0%	0%	0%	25	170	LD	25	50	22	82	1	1.527	6.490	0.082	0.349	0.076	0.321
35	2	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	3	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	4	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	5	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	6	10%	8%	0%	8%	6%	4%	14%	14%	12%	10%	6%	4%	4%	0%	0%	2%	51	170	LD	25	50	22	83	1	1.583	13.721	0.087	0.752	0.080	0.692
35	7	9%	7%	0%	8%	5%	4%	12%	13%	12%	10%	6%	5%	5%	0%	1%	2%	99	170	LD	25	50	22	82	1	1.705	28.696	0.091	1.533	0.084	1.410
35	8	9%	8%	0%	8%	5%	5%	12%	13%	12%	10%	7%	5%	5%	0%	1%	2%	130	170	LD	25	50	23	79	1	1.654	36.562	0.090	1.989	0.083	1.829
35	9	9%	7%	0%	8%	5%	5%	12%	13%	12%	10%	7%	5%	5%	0%	1%	2%	108	170	LD	25	50	23	77	1	1.656	30.403	0.089	1.635	0.082	1.504
35	10	11%	7%	0%	9%	5%	4%	12%	13%	12%	10%	6%	4%	4%	0%	1%	2%	94	170	LD	25	50	24	74	1	1.613	25.778	0.086	1.382	0.080	1.271
35	11	12%	7%	0%	10%	6%	4%	12%	13%	11%	10%	6%	4%	4%	0%	0%	2%	83	170	LD	25	50	25	72	1	1.467	20.702	0.082	1.157	0.075	1.064
35	12	14%	8%	0%	11%	6%	4%	12%	13%	12%	9%	5%	4%	4%	0%	0%	1%	86	170	LD	25	50	25	71	1	1.416	20.708	0.078	1.147	0.072	1.055
35	13	15%	8%	0%	12%	7%	4%	11%	13%	11%	8%	5%	4%	4%	0%	0%	1%	86	170	LD	25	50	25	71	1	1.393	20.362	0.077	1.123	0.071	1.033
35	14	17%	9%	0%	12%	7%	4%	10%	12%	10%	9%	4%	3%	3%	0%	0%	1%	81	170	LD	25	50	25	71	1	1.267	17.451	0.069	0.949	0.063	0.874
35	15	19%	8%	0%	13%	8%	4%	9%	13%	9%	8%	4%	2%	2%	0%	0%	1%	86	170	LD	25	50	25	72	1	1.225	17.904	0.067	0.977	0.061	0.899
35	16	21%	8%	0%	15%	8%	4%	8%	12%	10%	7%	2%	2%	2%	0%	0%	0%	83	170	LD	25	50	24	74	1	1.194	16.844	0.064	0.904	0.059	0.832
35	17	22%	8%	0%	15%	9%	2%	8%	13%	9%	7%	2%	1%	1%	0%	0%	0%	85	170	LD	25	50	24	76	1	1.058	15.289	0.057	0.821	0.052	0.756
35	18	22%	9%	0%	15%	9%	3%	9%	13%	9%	8%	3%	1%	1%	0%	0%	0%	79	170	LD	25	50	23	77	1	1.111	14.923	0.059	0.788	0.054	0.725
35	19	20%	9%	0%	15%	9%	3%	9%	13%	10%	7%	3%	1%	1%	0%	0%	0%	69	170	LD	25	50	23	78	1	1.118	13.109	0.060	0.700	0.055	0.645
35	20	20%	9%	0%	14%	7%	4%	9%	13%	9%	9%	4%	2%	2%	0%	0%	0%	56	170	LD	25	50	23	79	1	1.171	11.151	0.063	0.604	0.058	0.556
35	21	18%	8%	0%	12%	8%	4%	10%	12%	10%	8%	4%	2%	2%	0%	0%	0%	49	170	LD	25	50	23	80	1	1.250	10.415	0.068	0.564	0.062	0.520
35	22	17%	8%	0%	12%	8%	4%	10%	14%	10%	8%	4%	2%	4%	0%	0%	2%	52	170	LD	25	50	23	81	1	1.318	11.655	0.071	0.632	0.066	0.581
35	23	15%	9%	0%	11%	7%	4%	11%	13%	11%	9%	4%	2%	2%	0%	0%	2%	46	170	LD	25	50	23	81	1	1.285	10.048	0.071	0.551	0.065	0.507
36	0	19%	24%	0%	19%	11%	3%	11%	0%	3%	3%	3%	0%	0%	0%	5%	0%	37	330	LD	25	50	23	82	1	1.332	16.260	0.049	0.602	0.045	0.554
36	1	17%	26%	0%	17%	13%	4%	9%	0%	4%	4%	0%	0%	0%	0%	4%	0%	23	330	LD	25	50	22	82	1	1.242	9.428	0.043	0.330	0.040	0.304
36	2	19%	25%	0%	19%	13%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	16	330	LD	25	50	22	83	1	1.198	6.326	0.036	0.193	0.034	0.177
36	3	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.272	6.295	0.038	0.190	0.035	0.175
36	4	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.272	6.295	0.038	0.190	0.035	0.175
36	5	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.272	6.295	0.038	0.190	0.035	0.175
36	6	13%	26%	0%	20%	11%	2%	4%	2%	4%	4%	2%	2%	2%	0%	7%	0%	46	330	LD	25	50	22	83	1	1.436	21.793	0.051	0.778	0.047	0.716
36	7	11%	28%	0%	20%	11%	1%	5%	3%	5%	4%	3%	1%	1%	0%	6%	1%	80	330	LD	25	50	22	82	1	1.367	36.096	0.047	1.248	0.043	1.148
36	8	11%	27%	1%	19%	12%	1%	4%	2%	5%	4%	3%	2%	2%	0%	7%	1%	103	330	LD	24	50	23	79	1	1.450	49.301	0.051	1.721	0.047	1.583
36	9	12%	26%	0%	19%	11%	2%	6%	2%	5%	3%	2%	1%	2%	0%	7%	1%	89	330	LD	25	50	23	77	1	1.455	42.735	0.051	1.491	0.047	1.371
36	10	15%	25%	0%	19%	12%	2%	6%	1%	4%	4%	2%	1%	1%	0%	6%	1%	83	330	LD	25	50	24	74	1	1.370	37.530	0.049	1.330	0.045	1.224
36	11	15%	24%	0%	19%	11%	3%	8%	1%	4%	4%	1%	1%	1%	0%	6%	1%	79	330	LD	25	50	25	72	1	1.412	36.804	0.051	1.324	0.047	1.218
36	12	17%	24%	0%	18%	11%	3%	9%	1%	3%	3%	1%	1%	1%	0%	6%	1%	89	330	LD	25	50	25	71	1	1.402	41.162	0.052	1.522	0.048	1.401
36	13	19%	23%	0%	17%	11%	3%	10%	1%	3%	3%	1%	1%	1%	0%	5%	1%	92	330	LD	24	50	25	71	1	1.443	43.799	0.055	1.670	0.051	1.536
36	14	19%	21%	0%	17%	11%	4%	11%	1%	3%	3%	1%	1%	1%	0%	5%	1%	94	330	LD	24	50	25	71	1	1.474	45.735	0.058	1.784	0.053	1.641
36	15	21%	21%	0%	17%	11%	4%	12%	0%	3%	3%	1%	1%	1%	0%	5%	1%	105	330	LD	24	50	25	72	1	1.464	50.744	0.059	2.028	0.054	1.865
36	16	22%	20%	0%	17%	10%	5%	13%	0%	3%	3%	1%	1%	1%	0%	5%	1%	109	330	LD	24	50	24	74	1	1.471	52.915	0.059	2.122	0.054	1.952
36	17	23%	19%	1%	17%	10%	5%	13%	0%	3%	3%	1%	1%	1%	0%	4%	1%	121	330	LD	24	50	24	76	1	1.432	57.179	0.059	2.365	0.054	2.175
36	18	22%	20%	0%	17%	10%	5%	13%	0%	3%	3%	1%	1%	1%	0%	5%	1%	109	330	LD	24	50	23	77	1	1.481	53.270	0.059	2.122	0.054	1.952
36	19	21%	20%	0%	17%	10%	5%	12%	0%	3%	2%	1%	1%	1%	0%	5%	1%	89	330	LD	25	50	23	78	1	1.434	42.108	0.057	1.674	0.052	1.541
36	20	21%	21%	0%	17%	10%	4%	13%	0%	3%	3%	1%	1%	1%	0%	4%	1%	72	330	LD	25	50	23	79	1	1.443	34.277	0.059	1.394	0.054	1.282
36	21	20%	22%	0%	17%	10%	3%	12%	0%	3%	3%	2%	0%	2%	0%	5%	2%	60	330	LD	25	50	23	80	1	1.424	28.186	0.055	1.081	0.050	0.994
36	22	20%	21%	0%	16%	10%	3%	12%	0%	3%	3%	2%	2%	2%	0%	5%	2%	61	330	LD	25	50	23	81	1	1.451	29.214	0.058	1.162	0.053	1.068
36	23	18%	22%	0%	18%	10%	4%	10%	0%	4%	2%	2%	0%	2%	0%	6%	0%	49	330	LD	25	50	23	81	1	1.475	23.857	0.055	0.888	0.051	0.817
37	0	22%	7%	0%	15%	7%	4%	11%	19%	4%	0%	4%	0%	0%	0%	7%	0%	27	330	LD	25	50	23	82	1	1.505	13.407	0.064	0.570	0.059	0.525
37	1	21%	7%	0%	14%	7%	7%	14%	21%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	82	1	1.652	7.635	0.070	0.323	0.064	0.297
37	2	22%	11%	0%	11%	11%	0%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	1.697	5.039	0.059	0.175	0.054	0.161
37	3	25%	0%	0%	13%	13%	0%	13%	25%	0%	0%	0%	0%	0%	0%	13%	0%	8	330	LD	25	50	22	83	1	1.856	4.901	0.066	0.175	0.061	0.161
37	4	22%	0%	0%	11%	11%	11%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	1.902	5.650	0.073	0.216	0.067	0.198
37	5	11%	0%	0%	11%	11%	11%	22%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	2.316	6.877	0.094	0.278	0.086	0.256
37	6	14%	4%	0%	14%	7%	7%	18%	25%	0%	0%	4%	0%	0%	0%	7%	0%	28	330	LD	25	50	22	83	1	1.871	17.284	0.085	0.782	0.078	0.720
37	7	12%	2%	0%	14%	8%	6%	18%	26%	0%	0%	2%	2%	2%	0%	6%	2%	50	330	LD	25	50	22	82	1	1.985	32.751	0.093	1.537	0.086	1.414
37	8	10%	2%	0%	14%	8%	6%	21%	27%	0%	0%	2%	2%	2%	0%	6%	2%	63	330	LD	25	50	23	79	1	2.048	42.581	0.097	2.007	0.089	1.846
37	9	12%	3%	0%	14%	9%	7%	17%	24%	0%	0%	2%	2%	2%	0%	7%	2%	58	330	LD	25	50	23	77	1	1.990	38.088	0.090	1.720	0.083	1.582
37	10	15%	4%	0%	13%	7%	6%	15%	24%	2%	0%	2%	2%	2%	0%	7%	2%	54	330	LD	25	50	24	74	1	1.891	33.701	0.085	1.513	0.078	1.392
37	11	18%	4%	0%	14%	8%	4%	14%	22%	2%	2%	2%	2%	2%	0%	6%	2%	51	330	LD	25	50	25	72	1	1.718	28.914	0.080	1.344	0.073	1.236
37	12	20%	5%	0%	14%	9%	3%	12%	20%	2%	2%	2%	2%	2%	0%	7%	2%	59	330	LD	25	50	25	71	1	1.669	32.498	0.073	1.430	0.068	1.315
37	13	22%	7%	0%	14%	9%	3%	10%	19%	2%	2%	2%	2%	2%	0%	7%	2%	59	330	LD	25	50	25	71	1	1.598	31.103	0.069	1.342	0.063	1.234
37	14	24%	7%	0%	13%	8%	3%	10%	18%	3%	2%	2%	2%	2%	0%	7%	2%	62	330	LD	25	50	25	71	1	1.522	31.150	0.066	1.347	0.061	1.240
37	15	26%	9%	0%	13%	7%	3%	7%	17%	3%	3%	1%	1%	1%	0%	7%	1%	70	330	LD	25	50	25	72	1	1.423	32.880	0.059	1.360	0.054	1.252
37	16	28%	9%	0%	13%	7%	3%	6%	16%	3%	3%	3%	1%	1%	0%	7%	1%	71	330	LD	25	50	24	74	1	1.382	32.382	0.057	1.326	0.052	1.220
37	17	29%	9%	0%	13%	8%	1%	5%	15%	4%	3%	3%	1%	1%	0%	8%	1%	79	330	LD	25	50	24	76	1	1.349	35.169	0.053	1.390	0.049	1.279
37	18	29%	9%	0%	13%	7%	1%	6%	16%	3%	3%	3%	1%	1%	0%	7%	1%	70	330	LD	25	50	23	77	1	1.380	31.871	0.056	1.286	0.051	1.183
37	19	28%	9%	0%	12%	7%	2%	7%	16%	3%	3%	2%	2%	2%	0%	7%	2%	58	330	LD	25	50	23	78	1	1.416	27.097	0.058	1.107	0.053	1.018
37	20	26%	9%	0%	13%	7%	2%	7%	17%	2%	2%	2%	2%	2%	0%	7%	2%	46	330	LD	25	50	23	79	1	1.449	22.000	0.062	0.941	0.057	0.866
37	21	24%	7%	0%	12%	7%	2%	7%	17%	2%	2%	2%	2%	2%	0%	7%	2%	41	330	LD	25	50	23	80	1	1.556	21.053	0.066	0.889	0.060	0.818
37	22	22%	7%	0%	12%	7%	2%	10%	17%	2%	2%	2%	2%	2%	0%	7%	2%	41	330	LD	25	50	23	81	1	1.642	22.220	0.070	0.954	0.065	0.877
37	23	24%	6%	0%	12%	9%	3%	9%	18%	3%	3%	3%	3%	3%	0%	6%	0%	34	330	LD	25	50	23	81	1	1.605	18.006	0.073	0.814	0.067	0.750
38	0	21%	18%	0%	18%	11%	4%	9%	0%	5%	4%	2%	2%	2%	0%	5%	2%	57	330	LD	25	50	23	82	1	1.411	26.539	0.056	1.049	0.051	0.965
38	1	20%	17%	0%	17%	9%	3%	9%	0%	6%	6%	3%	3%	3%	0%	6%	0%	35	330	LD	25	50	22	82	1	1.551	17.915	0.062	0.720	0.057	0.662
38	2	24%	19%	0%	19%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	21	330	LD	25	50	22	83	1	1.239	8.583	0.046	0.317	0.042	0.292
38	3	25%	20%	0%	15%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	20	330	LD	25	50	22	83	1	1.261	8.323	0.046	0.301	0.042	0.278
38	4	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	1.070	6.354	0.033	0.197	0.031	0.181
38	5	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	1.070	6.354	0.033	0.197	0.031	0.181
38	6	23%	19%	0%	15%	10%	2%	5%	0%	7%	7%	2%	2%	2%	0%	8%	2%	62	330	LD	25	50	22	83	1	1.397	28.573	0.046	0.936	0.042	0.861
38	7	22%	19%	0%	15%	9%	2%	4%	1%	7%	6%	3%	2%	2%	1%	8%	2%	116	330	LD	24	50	22	82	1	1.480	56.660	0.049	1.880	0.045	1.729
38	8	22%	19%	1%	14%	8%	1%	3%	1%	8%	6%	2%	1%	2%	1%	8%	2%	145	330	LD	24	50	23	79	1	1.447	69.226	0.047	2.228	0.043	2.048
38	9	22%	19%	0%	15%	9%	2%	5%	1%	7%	6%	2%	2%	2%	1%	7%	2%	126	330	LD	24	50	23	77	1	1.428	59.377	0.049	2.021	0.045	1.858
38	10	22%	18%	0%	15%	9%	3%	6%	1%	7%	5%	3%	2%	2%	1%	7%	2%	120	330	LD	24	50	24	74	1	1.464	57.955	0.052	2.067	0.048	1.900
38	11	22%	18%	0%	16%	9%	3%	7%	1%	6%	5%	2%	2%	2%	0%	6%	2%	109	330	LD	24	50	25	72	1	1.379	49.602	0.054	1.943	0.050	1.786
38	12	21%	18%	1%	16%	10%	3%	8%	0%	6%	5%	3%	2%	2%	0%	5%	1%	122	330	LD	24	50	25	71	1	1.394	56.106	0.056	2.251	0.051	2.070
38	13	22%	18%	1%	17%	10%	3%	10%	0%	5%	4%	2%	2%	2%	0%	5%	1%	125	330	LD	24	50	25	71	1	1.439	59.368	0.058	2.412	0.054	2.218
38	14	21%	17%	1%	17%	10%	4%	10%	0%	5%	4%	2%	2%	2%	0%	4%	1%	127	330	LD	24	50	25	71	1	1.417	59.369	0.060	2.515	0.055	2.313
38	15	21%	17%	1%	18%	11%	4%	11%	0%	4%	4%	2%	1%	1%	0%	3%	1%	141	330	LD	24	50	25	72	1	1.371	63.813	0.061	2.828	0.056	2.601
38	16	21%	17%	1%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	0%	141	330	LD	24	50	24	74	1	1.424	66.235	0.063	2.912	0.058	2.679
38	17	21%	17%	1%	19%	12%	5%	13%	0%	3%	3%	2%	1%	1%	0%	2%	0%	155	330	LD	23	50	24	76	1	1.422	72.750	0.066	3.365	0.061	3.096
38	18	21%	17%	1%	19%	11%	4%	13%	0%	4%	3%	2%	1%	1%	0%	2%	0%	141	330	LD	24	50	23	77	1	1.413	65.761	0.064	2.955	0.058	2.719
38	19	21%	17%	1%	19%	11%	4%	12%	0%	4%	3%	2%	2%	2%	0%	3%	0%	118	330	LD	24	50	23	78	1	1.419	55.256	0.063	2.452	0.058	2.256
38	20	22%	17%	0%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	0%	92	330	LD	24	50	23	79	1	1.414	42.921	0.061	1.845	0.056	1.698
38	21	21%	17%	0%	19%	11%	4%	11%	0%	5%	4%	3%	1%	1%	0%	4%	0%	81	330	LD	25	50	23	80	1	1.371	36.650	0.057	1.534	0.053	1.412

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
38	22	22%	18%	0%	18%	10%	4%	10%	0%	5%	4%	3%	1%	1%	0%	4%	1%	79	330	LD	25	50	23	81	1	1.333	34.759	0.056	1.451	0.051	1.335
38	23	22%	18%	0%	18%	10%	3%	10%	0%	4%	4%	2%	2%	2%	0%	4%	2%	68	330	LD	25	50	23	81	1	1.368	30.693	0.055	1.241	0.051	1.141
39	0	20%	11%	0%	17%	11%	3%	9%	14%	3%	3%	0%	0%	0%	0%	9%	0%	35	330	LD	25	50	23	82	1	1.488	17.182	0.054	0.624	0.050	0.575
39	1	18%	9%	0%	18%	9%	5%	9%	14%	5%	5%	0%	0%	0%	0%	9%	0%	22	330	LD	25	50	22	82	1	1.572	11.412	0.057	0.414	0.052	0.381
39	2	20%	7%	0%	20%	13%	7%	13%	13%	0%	0%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.647	8.151	0.067	0.329	0.061	0.303
39	3	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.757	8.117	0.071	0.327	0.065	0.301
39	4	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.757	8.117	0.071	0.327	0.065	0.301
39	5	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.757	8.117	0.071	0.327	0.065	0.301
39	6	12%	10%	0%	20%	12%	5%	15%	15%	2%	2%	0%	0%	0%	0%	7%	0%	41	330	LD	25	50	22	83	1	1.719	23.255	0.068	0.925	0.063	0.851
39	7	12%	9%	0%	21%	12%	5%	14%	14%	3%	3%	1%	0%	0%	0%	7%	0%	77	330	LD	25	50	22	82	1	1.691	42.962	0.070	1.771	0.064	1.630
39	8	10%	8%	1%	20%	12%	5%	14%	14%	3%	2%	1%	1%	1%	0%	6%	0%	98	330	LD	24	50	23	79	1	1.797	58.131	0.078	2.523	0.072	2.321
39	9	12%	9%	0%	20%	12%	5%	13%	14%	4%	2%	1%	1%	1%	0%	6%	0%	85	330	LD	24	50	23	77	1	1.750	49.085	0.075	2.116	0.069	1.947
39	10	15%	9%	0%	20%	12%	4%	13%	15%	3%	3%	1%	0%	0%	0%	7%	0%	76	330	LD	25	50	24	74	1	1.610	40.374	0.066	1.652	0.061	1.521
39	11	17%	10%	0%	18%	11%	4%	11%	14%	3%	3%	1%	0%	0%	0%	7%	0%	71	330	LD	25	50	25	72	1	1.540	36.082	0.062	1.453	0.057	1.337
39	12	19%	10%	0%	18%	10%	4%	10%	14%	4%	3%	1%	0%	0%	0%	8%	0%	79	330	LD	25	50	25	71	1	1.502	39.156	0.059	1.528	0.054	1.407
39	13	21%	10%	0%	18%	10%	4%	9%	14%	4%	3%	1%	0%	0%	0%	8%	0%	80	330	LD	25	50	25	71	1	1.443	38.106	0.056	1.476	0.051	1.359
39	14	24%	10%	0%	17%	10%	3%	8%	14%	4%	3%	0%	0%	0%	0%	9%	0%	79	330	LD	25	50	25	71	1	1.431	37.294	0.051	1.326	0.047	1.221
39	15	25%	10%	0%	16%	9%	2%	7%	14%	3%	3%	0%	0%	0%	1%	9%	0%	88	330	LD	24	50	25	72	1	1.497	43.480	0.051	1.488	0.047	1.369
39	16	27%	11%	0%	15%	9%	2%	6%	14%	3%	3%	0%	0%	0%	1%	9%	0%	89	330	LD	24	50	24	74	1	1.450	42.587	0.048	1.408	0.044	1.295
39	17	30%	11%	0%	14%	8%	2%	5%	13%	3%	3%	0%	0%	0%	1%	9%	0%	98	330	LD	24	50	24	76	1	1.400	45.282	0.046	1.488	0.042	1.369
39	18	28%	11%	0%	14%	9%	2%	6%	13%	3%	3%	0%	0%	0%	1%	9%	0%	90	330	LD	24	50	23	77	1	1.448	42.991	0.048	1.412	0.044	1.299
39	19	27%	11%	0%	15%	10%	3%	5%	14%	4%	3%	0%	0%	0%	0%	10%	0%	74	330	LD	24	50	23	78	1	1.385	33.831	0.046	1.128	0.043	1.038
39	20	26%	11%	0%	16%	9%	2%	7%	14%	4%	4%	0%	0%	0%	0%	9%	0%	57	330	LD	25	50	23	79	1	1.379	25.930	0.048	0.909	0.044	0.837
39	21	26%	10%	0%	16%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	50	330	LD	25	50	23	80	1	1.371	22.626	0.050	0.827	0.046	0.762
39	22	25%	10%	0%	16%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	49	330	LD	25	50	23	81	1	1.395	22.564	0.051	0.825	0.047	0.760
39	23	24%	10%	0%	17%	10%	2%	10%	15%	2%	2%	0%	0%	0%	0%	7%	0%	41	330	LD	25	50	23	81	1	1.407	19.043	0.054	0.735	0.050	0.676
40	0	32%	18%	0%	14%	8%	2%	4%	10%	2%	2%	0%	0%	0%	0%	3%	3%	90	160	LD	25	50	23	82	1	0.893	12.856	0.036	0.515	0.033	0.474
40	1	32%	18%	0%	14%	8%	2%	4%	10%	2%	2%	0%	0%	0%	0%	4%	4%	50	160	LD	25	50	22	82	1	0.940	7.521	0.035	0.282	0.032	0.259
40	2	30%	18%	0%	12%	9%	3%	3%	12%	3%	3%	0%	0%	0%	0%	3%	3%	33	160	LD	25	50	22	83	1	0.889	4.696	0.035	0.186	0.032	0.171
40	3	33%	17%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	30	160	LD	25	50	22	83	1	0.829	3.978	0.033	0.159	0.030	0.146
40	4	31%	17%	0%	14%	7%	0%	3%	14%	3%	3%	0%	0%	0%	0%	3%	3%	29	160	LD	25	50	22	83	1	0.854	3.962	0.034	0.157	0.031	0.145
40	5	31%	17%	0%	14%	7%	0%	3%	14%	3%	3%	0%	0%	0%	0%	3%	3%	29	160	LD	25	50	22	83	1	0.854	3.962	0.034	0.157	0.031	0.145
40	6	31%	16%	0%	13%	8%	1%	4%	14%	4%	3%	0%	0%	0%	0%	5%	3%	80	160	LD	25	50	22	83	1	0.987	12.640	0.037	0.471	0.034	0.433
40	7	32%	15%	0%	13%	7%	2%	4%	14%	4%	3%	0%	0%	0%	0%	5%	2%	136	160	LD	25	50	22	82	1	0.997	21.695	0.037	0.807	0.034	0.742
40	8	32%	15%	0%	12%	7%	1%	3%	15%	4%	3%	0%	0%	0%	1%	6%	2%	160	160	LD	25	50	23	79	1	1.027	26.298	0.037	0.939	0.034	0.863
40	9	32%	16%	1%	12%	7%	1%	4%	14%	3%	3%	0%	0%	0%	1%	5%	3%	154	160	LD	25	50	23	77	1	0.991	24.423	0.037	0.903	0.034	0.830
40	10	32%	16%	1%	13%	8%	1%	4%	12%	3%	3%	0%	0%	0%	0%	5%	3%	154	160	LD	25	50	24	74	1	0.952	23.458	0.036	0.887	0.033	0.815
40	11	32%	17%	1%	14%	8%	1%	5%	12%	3%	3%	0%	0%	0%	0%	4%	3%	155	160	LD	25	50	25	72	1	0.925	22.947	0.036	0.902	0.033	0.829
40	12	32%	17%	1%	14%	8%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	3%	185	160	LD	25	50	25	71	1	0.904	26.744	0.036	1.077	0.033	0.989
40	13	32%	18%	1%	14%	9%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	4%	200	160	LD	25	50	25	71	1	0.896	28.666	0.036	1.158	0.033	1.064
40	14	32%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	3%	213	160	LD	24	50	25	71	1	0.919	31.334	0.038	1.302	0.035	1.195
40	15	32%	18%	0%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	2%	4%	248	160	LD	24	50	25	72	1	0.891	35.365	0.038	1.490	0.034	1.367
40	16	33%	18%	0%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	261	160	LD	24	50	24	74	1	0.894	37.342	0.037	1.558	0.034	1.430
40	17	33%	19%	0%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	302	160	LD	24	50	24	76	1	0.868	41.958	0.037	1.787	0.034	1.640
40	18	32%	19%	0%	15%	9%	2%	6%	8%	2%	2%	0%	0%	0%	0%	2%	4%	270	160	LD	24	50	23	77	1	0.907	39.190	0.038	1.637	0.035	1.502
40	19	32%	18%	1%	15%	9%	2%	6%	8%	2%	2%	0%	0%	0%	0%	2%	4%	217	160	LD	24	50	23	78	1	0.903	31.365	0.038	1.306	0.035	1.199
40	20	32%	18%	1%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	168	160	LD	25	50	23	79	1	0.883	23.737	0.036	0.972	0.033	0.893
40	21	32%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	4%	141	160	LD	25	50	23	80	1	0.894	20.158	0.036	0.814	0.033	0.748
40	22	32%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	4%	137	160	LD	25	50	23	81	1	0.893	19.583	0.036	0.787	0.033	0.723
40	23	32%	18%	0%	14%	8%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	4%	112	160	LD	25	50	23	81	1	0.886	15.874	0.037	0.658	0.034	0.604
41	0	23%	16%	0%	16%	10%	3%	8%	15%	2%	2%	2%	0%	0%	0%	3%	2%	62	90	LD	25	50	23	82	1	1.141	6.366	0.051	0.282	0.046	0.259
41	1	22%	16%	0%	16%	11%	3%	8%	14%	3%	3%	0%	0%	0%	0%	3%	3%	37	90	LD	25	50	22	82	1	1.117	3.719	0.048	0.159	0.044	0.146
41	2	20%	16%	0%	16%	8%	4%	8%	16%	4%	4%	0%	0%	0%	0%	4%	0%	25	90	LD	25	50	22	83	1	1.195	2.689	0.051	0.114	0.047	0.105
41	3	22%	13%	0%	17%	9%	4%	9%	13%	4%	4%	0%	0%	0%	0%	4%	0%	23	90	LD	25	50	22	83	1	1.233	2.552	0.052	0.107	0.047	0.098
41	4	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	1.071	2.024	0.041	0.078	0.038	0.072
41	5	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	1.071	2.024	0.041	0.078	0.038	0.072
41	6	24%	14%	0%	16%	10%	2%	5%	16%	3%	3%	2%	0%	0%	0%	5%	2%	63	90	LD	25	50	22	83	1	1.122	6.362	0.045	0.255	0.041	0.235
41	7	23%	14%	0%	16%	10%	2%	4%	17%	4%	3%	1%	1%	1%	0%	4%	3%	115	90	LD	24	50	22	82	1	1.188	12.301	0.050	0.521	0.046	0.478
41	8	23%	14%	1%	16%	9%	1%	4%	17%	4%	3%	1%	1%	1%	0%	5%	2%	139	90	LD	24	50	23	79	1	1.167	14.599	0.048	0.597	0.044	0.548
41	9	23%	14%	1%	16%	9%	2%	5%	16%	3%	3%	1%	1%	1%	0%	5%	2%	128	90	LD	24	50	23	77	1	1.210	13.937	0.050	0.576	0.046	0.529
41	10	22%	14%	1%	16%	10%	2%	6%	15%	3%	2%	1%	1%	1%	0%	4%	2%	126	90	LD	24	50	24	74	1	1.201	13.623	0.052	0.588	0.048	0.541
41	11	22%	15%	0%	16%	10%	3%	7%	15%	3%	3%	1%	1%	1%	0%	3%	2%	116	90	LD	24	50	25	72	1	1.210	12.634	0.055	0.571	0.050	0.525
41	12	22%	15%	1%	16%	10%	3%	7%	14%	2%	2%	1%	1%	1%	0%	3%	2%	135	90	LD	24	50	25	71	1	1.191	14.467	0.054	0.656	0.050	0.603
41	13	22%	15%	1%	16%	9%	3%	8%	14%	2%	2%	1%	1%	1%	0%	3%	2%	143	90	LD	24	50	25	71	1	1.201	15.454	0.055	0.710	0.051	0.653
41	14	22%	16%	1%	16%	10%	3%	9%	14%	2%	1%	1%	1%	1%	0%	2%	2%	148	90	LD	24	50	25	71	1	1.188	15.823	0.057	0.757	0.052	0.695
41	15	22%	16%	1%	16%	10%	4%	10%	13%	2%	2%	1%	1%	1%	0%	2%	2%	167	90	LD	23	50	25	72	1	1.224	18.396	0.060	0.902	0.055	0.829
41	16	23%	16%	1%	16%	10%	4%	10%	13%	2%	1%	1%	1%	1%	0%	2%	2%	173	90	LD	23	50	24	74	1	1.231	19.168	0.060	0.930	0.055	0.854
41	17	23%	16%	1%	16%	10%	4%	10%	12%	2%	1%	1%	1%	1%	0%	2%	2%	195	90	LD	23	50	24	76	1	1.258	22.080	0.062	1.092	0.057	1.004
41	18	22%	17%	1%	16%	10%	3%	10%	13%	2%	1%	1%	1%	1%	0%	2%	2%	175	90	LD	23	50	23	77	1	1.252	19.723	0.060	0.948	0.055	0.872
41	19	22%	16%	1%	16%	10%	4%	10%	13%	1%	1%	1%	1%	1%	0%	2%	1%	143	90	LD	24	50	23	78	1	1.243	15.995	0.058	0.750	0.054	0.689
41	20	22%	16%	0%	16%	10%	4%	10%	13%	2%	2%	1%	1%	1%	0%	2%	2%	113	90	LD	24	50	23	79	1	1.229	12.503	0.059	0.597	0.054	0.549
41	21	22%	16%	0%	16%	9%	3%	9%	14%	2%	2%	1%	1%	1%	0%	2%	2%	96	90	LD	24	50	23	80	1	1.234	10.659	0.059	0.507	0.054	0.466
41	22	22%	16%	0%	16%	10%	3%	8%	14%	2%	2%	1%	1%	1%	0%	2%	2%	95	90	LD	24	50	23	81	1	1.212	10.359	0.058	0.494	0.053	0.454
41	23	23%	15%	0%	17%	9%	3%	9%	14%	3%	1%	1%	1%	1%	0%	3%	1%	79	90	LD	25	50	23	81	1	1.218	8.658	0.057	0.406	0.053	0.374
42	0	24%	31%	1%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	4%	3%	200	90	LD	23	50	23	82	1	0.990	17.815	0.038	0.675	0.034	0.620
42	1	24%	29%	0%	14%	8%	1%	3%	9%	1%	1%	1%	1%	1%	0%	3%	3%	119	90	LD	24	50	22	82	1	1.001	10.721	0.038	0.404	0.035	0.371
42	2	25%	29%	0%	15%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	3%	75	90	LD	25	50	22	83	1	0.963	6.497	0.034	0.232	0.032	0.213
42	3	26%	29%	0%	15%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	73	90	LD	25	50	22	83	1	0.894	5.874	0.034	0.226	0.032	0.208
42	4	26%	28%	0%	15%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	72	90	LD	25	50	22	83	1	0.905	5.864	0.035	0.226	0.032	0.208
42	5	26%	28%	0%	15%	9%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	69	90	LD	25	50	22	83	1	0.919	5.709	0.035	0.219	0.032	0.202
42	6	26%	27%	1%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	211	90	LD	23	50	22	83	1	1.017	19.305	0.040	0.763	0.037	0.701
42	7	26%	25%	0%	15%	8%	1%	4%	11%	1%	1%	1%	1%	1%	0%	3%	2%	380	90	LD	20	50	22	82	1	1.163	39.790	0.048	1.647	0.044	1.514
42	8	27%	25%	0%	14%	9%	2%	4%	11%	1%	1%	1%	1%	1%	0%	3%	3%	472	90	LD	19	50	23	79	1	1.167	49.583	0.049	2.102	0.045	1.932
42	9	26%	26%	1%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	420	90	LD	20	50	23	77	1	1.134	42.881	0.047	1.770	0.043	1.627
42	10	25%	27%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	3%	398	90	LD	20	50	24	74	1	1.120	40.102	0.045	1.611	0.041	1.481
42	11	25%	28%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	377	90	LD	20	50	25	72	1	1.096	37.188	0.044	1.500	0.041	1.379
42	12	25%	30%	1%	14%	8%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	428	90	LD	20	50	25	71	1	1.090	41.973	0.043	1.662	0.040	1.528
42	13	24%	31%	1%	14%	8%	1%	3%	10%	1%	1%	1%	1%	1%	0%	3%	2%	443	90	LD	20	50	25	71	1	1.093	43.565	0.043	1.700	0.039	1.562
42	14	24%	32%	0%	14%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	2%	458	90	LD	19	50	25	71	1	1.121	46.220	0.043	1.791	0.040	1.646
42	15	23%	33%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	515	90	LD	19	50	25	72	1	1.110	51.442	0.043	1.981	0.039	1.821
42	16	23%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	531	90	LD	18	50	24	74	1	1.143	54.624	0.044	2.090	0.040	1.920
42	17	22%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	595	90	LD	17	50	24	76	1	1.162	62.218	0.044	2.380	0.041	2.188
42	18	22%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	539	90	LD	18	50	23	77	1	1.161	56.312	0.044	2.124	0.040	1.951
42	19	23%	33%	1%	14%	8%	1%	3%	9%	1%	1%	1%	1%	1%	0%	3%	2%	442	90	LD	20	50	23	78	1	1.093	43.466	0.041	1.627	0.038	1.496
42	20	23%	33%	0%	14%	8%	1%	3%	9%	1%	0%	1%	0%	0%	0%	4%	2%	346	90	LD	21	50	23	79	1	1.050	32.694	0.038	1.199	0.035	1.101
42	21	23%	32%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	298	90	LD	22	50	23	80	1	1.022	27.404	0.038	1.013	0.035	0.931
42	22	23%	32%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	290	90	LD	22	50	23	81	1	1.009	26.322	0.038	0.979	0.034	0.899
42	23	24%	31%	0%	14%	9%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	246	90	LD	22	50	23	81	1	1.026	22.715	0.039	0.855	0.035	0.785
43	0	22%	11%	0%	22%	11%	0%	6%	0%	11%	6%	6%	0%	0%	0%	6%	0%	18	70	LD	25	50	23	82	1	1.162	1.464	0.045	0.056	0.041	0.052
43	1	25%	17%	0%	17%	8%	0%	8%	0%	8%	8%	0%	0%	0%	0%	8%	0%	12	70	LD	25	50	22	82	1	1.305	1.096	0.040	0.034	0.037	0.031
43	2	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.615	0.345	0.026	0.015	0.024	0.013
43	3	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.615	0.345	0.026	0.015	0.024	0.013
43	4	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	1.332	0.746	0.029	0.016	0.027	0.015
43	5	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	1.332	0.746	0.029	0.016	0.027	0.015
43	6	21%	14%	0%	14%	7%	0%	4%	0%	11%	7%	4%	4%	4%	0%	7%	4%	28	70	LD	25	50	22	83	1	1.447	2.836	0.055	0.108	0.051	0.099
43	7	21%	13%	0%	13%	7%	2%	4%	0%	11%	9%	4%	4%	4%	0%	7%	4%	56	70	LD	25	50	22	82	1	1.489	5.836	0.057	0.224	0.053	0.206
43	8	23%	14%	0%	13%	7%	1%	3%	0%	11%	9%	4%	3%	3%	0%	7%	3%	71	70	LD	25	50	23	79	1	1.361	6.766	0.051	0.255	0.047	0.234
43	9	22%	13%	0%	13%	8%	2%	3%	0%	10%	8%	3%	3%	3%	0%	7%	3%	60	70	LD	25	50	23	77	1	1.434	6.023	0.055	0.229	0.050	0.211
43	10	22%	14%	0%	16%	10%	2%	4%	0%	10%	8%	4%	2%	2%	0%	6%	2%	51	70	LD	25	50	24	74	1	1.315	4.696	0.050	0.180	0.046	0.165
43	11	22%	13%	0%	18%	9%	2%	4%	0%	9%	7%	4%	2%	2%	0%	4%	2%	45	70	LD	25	50	25	72	1	1.247	3.927	0.052	0.165	0.048	0.152
43	12	21%	13%	0%	19%	10%	2%	6%	0%	8%	6%	4%	2%	2%	0%	4%	2%	48	70	LD	25	50	25	71	1	1.319	4.431	0.056	0.188	0.051	0.172
43	13	22%	11%	0%	20%	11%	2%	7%	0%	7%	7%	2%	2%	2%	0%	4%	2%	45	70	LD	25	50	25	71	1	1.337	4.213	0.055	0.174	0.051	0.160
43	14	21%	12%	0%	21%	14%	2%	7%	0%	7%	5%	2%	2%	2%	0%	2%	2%	43	70	LD	25	50	25	71	1	1.271	3.825	0.056	0.170	0.052	0.156
43	15	20%	11%	0%	24%	13%	2%	9%	0%	7%	4%	2%	2%	2%	0%	2%	0%	45	70	LD	25	50	25	72	1	1.312	4.134	0.060	0.188	0.055	0.173
43	16	19%	10%	0%	26%	17%	2%	10%	0%	5%	5%	2%	2%	2%	0%	0%	0%	42	70	LD	25	50	24	74	1	1.303	3.831	0.063	0.186	0.058	0.171
43	17	18%	9%	0%	27%	16%	5%	11%	0%	5%	2%	2%	2%	2%	0%	0%	0%	44	70	LD	25	50	24	76	1	1.368	4.212	0.068	0.209	0.063	0.193
43	18	19%	10%	0%	26%	17%	2%	10%	0%	5%	5%	2%	2%	2%	0%	0%	0%	42	70	LD	25	50	23	77	1	1.312	3.857	0.063	0.186	0.058	0.171
43	19	19%	11%	0%	25%	14%	3%	8%	0%	6%	6%	3%	3%	3%	0%	0%	0%	36	70	LD	25	50	23	78	1	1.277	3.217	0.063	0.158	0.058	0.146
43	20	19%	10%	0%	23%	13%	3%	10%	0%	7%	3%	3%	3%	3%	0%	3%	0%	31	70	LD	25	50	23	79	1	1.527	3.313	0.069	0.150	0.064	0.138
43	21	18%	11%	0%	21%	14%	4%	7%	0%	7%	4%	4%	4%	4%	0%	4%	0%	28	70	LD	25	50	23	80	1	1.532	3.003	0.068	0.133	0.063	0.123
43	22	20%	10%	0%	20%	13%	3%	7%	0%	7%	7%	3%	3%	3%	0%	3%	0%	30	70	LD	25	50	23	81	1	1.447	3.039	0.064	0.135	0.059	0.125
43	23	19%	12%	0%	19%	12%	4%	8%	0%	8%	4%	4%	4%	4%	0%	4%	0%	26	70	LD	25	50	23	81	1	1.531	2.787	0.069	0.125	0.063	0.115
44	0	31%	13%	0%	14%	9%	1%	4%	15%	2%	2%	0%	0%	0%	0%	4%	3%	91	70	LD	25	50	23	82	1	0.987	6.285	0.040	0.253	0.036	0.232
44	1	31%	12%	0%	16%	10%	2%	4%	16%	2%	2%	0%	0%	0%	0%	4%	2%	51	70	LD	25	50	22	82	1	0.994	3.549	0.041	0.145	0.037	0.133
44	2	29%	12%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	34	70	LD	25	50	22	83	1	1.000	2.379	0.044	0.104	0.040	0.095
44	3	27%	12%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	33	70	LD	25	50	22	83	1	1.032	2.384	0.045	0.104	0.041	0.095
44	4	28%	9%	0%	16%	9%	3%	6%	16%	3%	3%	0%	0%	0%	0%	3%	3%	32	70	LD	25	50	22	83	1	1.051	2.354	0.046	0.104	0.043	0.095
44	5	26%	10%	0%	16%	10%	3%	7%	16%	3%	3%	0%	0%	0%	0%	3%	3%	31	70	LD	25	50	22	83	1	1.083	2.350	0.048	0.103	0.044	0.095
44	6	27%	9%	0%	15%	9%	2%	7%	19%	2%	2%	0%	0%	0%	0%	5%	2%	86	70	LD	25	50	22	83	1	1.173	7.060	0.049	0.296	0.045	0.272
44	7	26%	9%	1%	16%	10%	3%	7%	20%	3%	2%	0%	0%	0%	0%	4%	1%	148	70	LD	23	50	22	82	1	1.235	12.790	0.056	0.576	0.051	0.529

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
44	8	25%	8%	1%	15%	9%	3%	8%	20%	3%	2%	0%	0%	0%	1%	4%	1%	183	70	LD	23	50	23	79	1	1.307	16.746	0.058	0.743	0.053	0.683
44	9	26%	9%	1%	15%	9%	2%	7%	19%	3%	2%	0%	0%	0%	1%	4%	2%	170	70	LD	23	50	23	77	1	1.241	14.763	0.054	0.642	0.050	0.590
44	10	28%	10%	1%	15%	9%	2%	6%	18%	2%	2%	0%	0%	0%	1%	4%	2%	166	70	LD	23	50	24	74	1	1.187	13.791	0.051	0.588	0.047	0.541
44	11	29%	12%	1%	15%	9%	2%	6%	17%	3%	2%	0%	0%	0%	0%	4%	3%	162	70	LD	23	50	25	72	1	1.100	12.475	0.048	0.542	0.044	0.498
44	12	30%	12%	1%	15%	9%	2%	5%	16%	2%	2%	0%	0%	0%	1%	4%	3%	191	70	LD	23	50	25	71	1	1.088	14.546	0.045	0.602	0.041	0.553
44	13	31%	13%	1%	15%	9%	2%	4%	15%	3%	2%	0%	0%	0%	1%	4%	3%	203	70	LD	23	50	25	71	1	1.031	14.644	0.042	0.602	0.039	0.553
44	14	32%	14%	1%	15%	9%	1%	3%	14%	2%	2%	0%	0%	0%	1%	4%	3%	213	70	LD	23	50	25	71	1	1.001	14.927	0.040	0.591	0.036	0.543
44	15	34%	14%	0%	14%	9%	1%	3%	14%	2%	2%	0%	0%	0%	0%	4%	4%	245	70	LD	22	50	25	72	1	0.986	16.906	0.039	0.676	0.036	0.621
44	16	34%	15%	0%	14%	9%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	258	70	LD	22	50	24	74	1	0.980	17.698	0.038	0.679	0.035	0.623
44	17	35%	15%	0%	14%	9%	1%	2%	12%	2%	2%	0%	0%	0%	0%	4%	4%	294	70	LD	22	50	24	76	1	0.922	18.970	0.035	0.730	0.033	0.669
44	18	34%	15%	0%	15%	8%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	262	70	LD	22	50	23	77	1	0.978	17.934	0.037	0.685	0.034	0.629
44	19	34%	15%	1%	15%	8%	1%	2%	13%	2%	2%	0%	0%	0%	1%	4%	4%	214	70	LD	23	50	23	78	1	0.965	14.454	0.037	0.549	0.034	0.504
44	20	33%	15%	1%	15%	9%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	165	70	LD	24	50	23	79	1	0.917	10.596	0.036	0.412	0.033	0.378
44	21	33%	14%	1%	14%	9%	1%	3%	14%	2%	1%	0%	0%	0%	0%	4%	4%	139	70	LD	24	50	23	80	1	0.930	9.048	0.036	0.354	0.033	0.325
44	22	32%	13%	1%	15%	9%	2%	3%	14%	2%	2%	0%	0%	0%	0%	4%	4%	136	70	LD	24	50	23	81	1	0.956	9.104	0.038	0.362	0.035	0.332
44	23	32%	14%	0%	14%	9%	1%	4%	14%	2%	2%	0%	0%	0%	0%	5%	4%	111	70	LD	24	50	23	81	1	0.980	7.611	0.039	0.302	0.036	0.277
45	0	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	313	70	LD	24	50	23	82	1	1.235	27.068	0.052	1.148	0.048	1.055
45	1	27%	21%	1%	12%	7%	4%	12%	6%	2%	1%	1%	1%	1%	0%	3%	3%	188	70	LD	25	50	22	82	1	1.231	16.201	0.051	0.678	0.047	0.623
45	2	27%	21%	0%	12%	7%	4%	12%	7%	2%	1%	1%	0%	0%	0%	3%	3%	123	70	LD	25	50	22	83	1	1.200	10.329	0.050	0.428	0.046	0.394
45	3	27%	21%	0%	12%	7%	4%	12%	7%	2%	1%	1%	0%	0%	0%	3%	3%	122	70	LD	25	50	22	83	1	1.202	10.264	0.050	0.425	0.046	0.391
45	4	27%	22%	0%	12%	7%	4%	12%	7%	2%	1%	1%	0%	0%	0%	3%	3%	122	70	LD	25	50	22	83	1	1.191	10.171	0.049	0.422	0.045	0.388
45	5	27%	22%	0%	11%	7%	4%	12%	7%	2%	1%	1%	0%	1%	0%	3%	3%	122	70	LD	25	50	22	83	1	1.236	10.553	0.051	0.440	0.047	0.404
45	6	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	1%	1%	0%	3%	3%	369	70	LD	23	50	22	83	1	1.340	34.610	0.057	1.485	0.053	1.364
45	7	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	673	70	LD	21	50	22	82	1	1.418	66.808	0.063	2.977	0.058	2.735
45	8	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	1%	1%	0%	3%	4%	854	70	LD	19	50	23	79	1	1.516	90.614	0.070	4.186	0.064	3.846
45	9	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	735	70	LD	20	50	23	77	1	1.455	74.885	0.066	3.373	0.060	3.100
45	10	27%	22%	0%	11%	7%	4%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	680	70	LD	21	50	24	74	1	1.399	66.593	0.062	2.960	0.057	2.720
45	11	27%	21%	0%	12%	7%	4%	12%	6%	1%	1%	1%	0%	0%	0%	3%	3%	618	70	LD	21	50	25	72	1	1.360	58.855	0.061	2.638	0.056	2.424
45	12	27%	21%	0%	12%	7%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	685	70	LD	21	50	25	71	1	1.363	65.362	0.060	2.896	0.056	2.661
45	13	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	689	70	LD	21	50	25	71	1	1.359	65.533	0.060	2.894	0.055	2.660
45	14	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	694	70	LD	21	50	25	71	1	1.353	65.712	0.059	2.878	0.054	2.646
45	15	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	762	70	LD	20	50	25	72	1	1.386	73.936	0.062	3.284	0.057	3.020
45	16	27%	20%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	767	70	LD	20	50	24	74	1	1.391	74.662	0.061	3.275	0.056	3.012
45	17	27%	19%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	836	70	LD	19	50	24	76	1	1.396	81.705	0.062	3.641	0.057	3.348
45	18	27%	20%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	769	70	LD	20	50	23	77	1	1.400	75.382	0.061	3.276	0.056	3.012
45	19	27%	20%	0%	15%	9%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	2%	639	70	LD	21	50	23	78	1	1.352	60.474	0.059	2.628	0.054	2.416
45	20	27%	20%	0%	14%	9%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	508	70	LD	22	50	23	79	1	1.302	46.297	0.056	1.986	0.051	1.826
45	21	27%	20%	1%	14%	8%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	2%	443	70	LD	22	50	23	80	1	1.298	40.264	0.056	1.729	0.051	1.590
45	22	27%	20%	1%	14%	8%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	3%	441	70	LD	23	50	23	81	1	1.251	38.630	0.054	1.658	0.049	1.523
45	23	27%	21%	0%	13%	8%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	3%	378	70	LD	23	50	23	81	1	1.275	33.725	0.055	1.449	0.050	1.331
46	0	20%	16%	0%	9%	6%	8%	24%	8%	2%	1%	1%	1%	1%	0%	2%	1%	144	280	LD	23	50	23	82	1	1.747	70.432	0.088	3.541	0.081	3.256
46	1	20%	17%	0%	8%	5%	8%	25%	8%	2%	1%	1%	0%	0%	0%	2%	1%	84	280	LD	24	50	22	82	1	1.697	39.919	0.082	1.922	0.075	1.767
46	2	19%	18%	0%	9%	5%	9%	25%	9%	2%	2%	0%	0%	0%	0%	2%	2%	57	280	LD	25	50	22	83	1	1.606	25.628	0.076	1.221	0.070	1.123
46	3	19%	18%	0%	7%	5%	9%	25%	9%	2%	2%	0%	0%	0%	0%	4%	2%	57	280	LD	25	50	22	83	1	1.702	27.171	0.077	1.227	0.071	1.129
46	4	18%	18%	0%	7%	5%	9%	25%	9%	2%	2%	0%	0%	0%	0%	4%	2%	56	280	LD	25	50	22	83	1	1.731	27.141	0.078	1.222	0.072	1.124
46	5	18%	19%	0%	7%	4%	9%	26%	9%	2%	2%	0%	0%	0%	0%	4%	2%	57	280	LD	25	50	22	83	1	1.741	27.788	0.079	1.264	0.073	1.163
46	6	16%	19%	0%	7%	4%	9%	26%	8%	2%	2%	1%	1%	1%	0%	3%	2%	172	280	LD	23	50	22	83	1	1.873	90.194	0.090	4.357	0.083	4.005
46	7	16%	20%	0%	6%	4%	9%	26%	8%	2%	2%	1%	1%	1%	0%	3%	3%	317	280	LD	20	50	22	82	1	2.110	187.264	0.104	9.269	0.096	8.522
46	8	15%	20%	0%	6%	4%	9%	26%	9%	2%	2%	1%	1%	1%	0%	3%	3%	402	280	LD	18	50	23	79	1	2.245	252.649	0.115	12.982	0.106	11.936
46	9	16%	19%	0%	7%	4%	9%	25%	8%	2%	2%	1%	1%	1%	0%	3%	2%	346	280	LD	20	50	23	77	1	2.080	201.534	0.104	10.077	0.096	9.265
46	10	17%	18%	0%	7%	4%	9%	25%	8%	2%	2%	1%	1%	1%	0%	3%	2%	318	280	LD	20	50	24	74	1	2.044	181.962	0.103	9.197	0.095	8.456
46	11	18%	17%	0%	8%	5%	9%	25%	8%	2%	2%	1%	0%	0%	0%	3%	2%	288	280	LD	21	50	25	72	1	1.905	153.620	0.096	7.711	0.088	7.091
46	12	20%	17%	0%	8%	5%	9%	24%	8%	2%	2%	1%	0%	0%	0%	3%	2%	315	280	LD	20	50	25	71	1	1.949	171.874	0.100	8.782	0.092	8.076
46	13	21%	16%	0%	9%	5%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	2%	316	280	LD	20	50	25	71	1	1.915	169.454	0.099	8.730	0.091	8.029
46	14	22%	15%	0%	10%	6%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	1%	317	280	LD	20	50	25	71	1	1.880	166.872	0.098	8.696	0.090	7.998
46	15	23%	14%	0%	10%	6%	8%	23%	8%	2%	1%	1%	0%	0%	0%	2%	1%	346	280	LD	20	50	25	72	1	1.839	178.194	0.097	9.382	0.089	8.630
46	16	24%	13%	0%	11%	6%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	343	280	LD	20	50	24	74	1	1.826	175.356	0.096	9.228	0.088	8.489
46	17	25%	12%	0%	11%	7%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	374	280	LD	19	50	24	76	1	1.852	193.948	0.100	10.449	0.092	9.615
46	18	24%	13%	0%	11%	6%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	344	280	LD	20	50	23	77	1	1.835	176.718	0.096	9.247	0.088	8.508
46	19	24%	13%	0%	11%	6%	8%	23%	7%	2%	1%	0%	0%	0%	0%	2%	1%	284	280	LD	21	50	23	78	1	1.789	142.225	0.092	7.333	0.085	6.747
46	20	23%	14%	0%	10%	6%	8%	24%	7%	2%	2%	0%	0%	0%	0%	2%	1%	230	280	LD	22	50	23	79	1	1.731	111.498	0.088	5.696	0.081	5.239
46	21	22%	14%	1%	10%	6%	8%	23%	7%	2%	2%	1%	1%	1%	0%	2%	1%	202	280	LD	22	50	23	80	1	1.751	99.036	0.089	5.033	0.082	4.630
46	22	22%	15%	1%	9%	5%	8%	24%	7%	2%	2%	1%	1%	1%	0%	2%	2%	202	280	LD	22	50	23	81	1	1.756	99.310	0.090	5.072	0.082	4.665
46	23	21%	15%	0%	9%	5%	9%	24%	8%	2%	2%	1%	1%	1%	0%	2%	1%	171	280	LD	23	50	23	81	1	1.751	83.831	0.087	4.185	0.080	3.848
47	0	13%	43%	0%	11%	6%	2%	4%	19%	0%	0%	2%	0%	0%	0%	0%	0%	47	280	LD	25	50	23	82	1	0.808	10.630	0.038	0.495	0.035	0.456
47	1	15%	41%	0%	11%	7%	0%	4%	22%	0%	0%	0%	0%	0%	0%	0%	0%	27	280	LD	25	50	22	82	1	0.760	5.743	0.034	0.256	0.031	0.236
47	2	13%	38%	0%	13%	6%	0%	6%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	280	LD	25	50	22	83	1	0.857	3.842	0.041	0.184	0.038	0.170
47	3	13%	33%	0%	13%	7%	0%	7%	27%	0%	0%	0%	0%	0%	0%	0%	0%	15	280	LD	25	50	22	83	1	0.885	3.715	0.044	0.184	0.040	0.169
47	4	14%	29%	0%	14%	7%	0%	7%	29%	0%	0%	0%	0%	0%	0%	0%	0%	14	280	LD	25	50	22	83	1	0.913	3.579	0.047	0.183	0.043	0.169
47	5	17%	25%	0%	8%	8%	0%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	12	280	LD	25	50	22	83	1	0.966	3.247	0.051	0.170	0.047	0.157
47	6	13%	20%	0%	10%	5%	3%	8%	30%	3%	3%	3%	3%	3%	0%	0%	0%	40	280	LD	25	50	22	83	1	1.226	13.731	0.068	0.763	0.063	0.703
47	7	13%	14%	0%	11%	6%	3%	8%	36%	2%	2%	3%	2%	2%	0%	0%	0%	64	280	LD	25	50	22	82	1	1.227	21.991	0.070	1.258	0.065	1.158
47	8	11%	7%	0%	11%	7%	3%	8%	41%	3%	1%	4%	3%	3%	0%	0%	0%	74	280	LD	25	50	23	79	1	1.370	28.383	0.082	1.696	0.075	1.562
47	9	12%	19%	0%	11%	7%	3%	7%	33%	1%	1%	3%	1%	3%	0%	0%	0%	75	280	LD	25	50	23	77	1	1.220	25.630	0.067	1.417	0.062	1.304
47	10	13%	27%	0%	10%	6%	3%	5%	28%	1%	1%	3%	1%	1%	0%	0%	0%	78	280	LD	25	50	24	74	1	1.035	22.608	0.056	1.214	0.051	1.117
47	11	13%	33%	0%	10%	6%	1%	5%	24%	1%	1%	1%	1%	1%	0%	0%	0%	78	280	LD	25	50	25	72	1	0.960	20.960	0.049	1.073	0.045	0.988
47	12	13%	38%	0%	10%	6%	1%	4%	22%	1%	1%	1%	1%	1%	0%	0%	0%	97	280	LD	25	50	25	71	1	0.871	23.658	0.042	1.147	0.039	1.057
47	13	13%	43%	0%	10%	7%	1%	4%	19%	1%	1%	1%	1%	1%	0%	0%	0%	108	280	LD	24	50	25	71	1	0.852	25.753	0.040	1.206	0.037	1.109
47	14	14%	47%	0%	10%	6%	1%	3%	16%	0%	0%	1%	1%	1%	0%	0%	1%	116	280	LD	24	50	25	71	1	0.793	25.751	0.035	1.152	0.033	1.059
47	15	14%	50%	0%	10%	6%	1%	2%	15%	0%	0%	1%	1%	1%	0%	0%	1%	137	280	LD	24	50	25	72	1	0.734	28.165	0.031	1.199	0.029	1.102
47	16	14%	52%	0%	10%	6%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	149	280	LD	24	50	24	74	1	0.730	30.449	0.029	1.230	0.027	1.130
47	17	14%	53%	0%	10%	6%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	174	280	LD	24	50	24	76	1	0.698	33.993	0.027	1.322	0.025	1.216
47	18	14%	52%	0%	10%	6%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	155	280	LD	24	50	23	77	1	0.712	30.921	0.028	1.214	0.026	1.116
47	19	14%	51%	0%	11%	6%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	124	280	LD	24	50	23	78	1	0.757	26.269	0.031	1.085	0.029	0.997
47	20	14%	49%	0%	10%	6%	1%	2%	14%	0%	0%	1%	1%	1%	0%	0%	1%	96	280	LD	25	50	23	79	1	0.767	20.623	0.032	0.858	0.029	0.789
47	21	14%	48%	0%	10%	6%	1%	3%	15%	0%	0%	1%	0%	1%	0%	0%	0%	79	280	LD	25	50	23	80	1	0.777	17.177	0.033	0.724	0.030	0.666
47	22	13%	45%	0%	11%	7%	1%	3%	16%	0%	0%	1%	1%	1%	0%	0%	0%	75	280	LD	25	50	23	81	1	0.839	17.616	0.038	0.791	0.035	0.729
47	23	13%	44%	0%	10%	7%	2%	3%	18%	0%	0%	2%	0%	2%	0%	0%	0%	61	280	LD	25	50	23	81	1	0.848	14.479	0.038	0.651	0.035	0.600
48	0	5%	6%	0%	11%	6%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	2%	65	300	LD	25	50	23	82	1	2.585	50.412	0.134	2.619	0.124	2.409
48	1	5%	8%	0%	10%	5%	18%	53%	0%	0%	0%	0%	0%	0%	0%	0%	3%	40	300	LD	25	50	22	82	1	2.599	31.188	0.133	1.593	0.122	1.465
48	2	4%	8%	0%	8%	4%	19%	54%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26	300	LD	25	50	22	83	1	2.646	20.640	0.136	1.060	0.125	0.975
48	3	4%	8%	0%	8%	4%	19%	54%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26	300	LD	25	50	22	83	1	2.646	20.640	0.136	1.060	0.125	0.975
48	4	7%	7%	0%	7%	4%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	300	LD	25	50	22	83	1	2.554	20.691	0.131	1.064	0.121	0.978
48	5	7%	7%	0%	7%	4%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	300	LD	25	50	22	83	1	2.554	20.691	0.131	1.064	0.121	0.978
48	6	6%	10%	0%	7%	5%	18%	51%	0%	0%	0%	0%	0%	0%	0%	0%	4%	83	300	LD	24	50	22	83	1	2.602	64.791	0.135	3.371	0.124	3.098
48	7	6%	10%	0%	7%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	154	300	LD	23	50	22	82	1	2.719	125.632	0.144	6.664	0.133	6.125
48	8	6%	11%	0%	6%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	197	300	LD	22	50	23	79	1	2.793	165.071	0.152	8.971	0.140	8.247
48	9	6%	10%	0%	7%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	168	300	LD	22	50	23	77	1	2.828	142.540	0.153	7.700	0.140	7.079
48	10	6%	9%	0%	8%	5%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	3%	153	300	LD	23	50	24	74	1	2.741	125.794	0.147	6.734	0.135	6.190
48	11	5%	8%	0%	9%	5%	18%	51%	0%	0%	0%	1%	0%	0%	0%	0%	3%	135	300	LD	23	50	25	72	1	2.690	108.964	0.145	5.879	0.133	5.404
48	12	5%	7%	0%	10%	5%	18%	51%	0%	0%	0%	1%	0%	0%	0%	0%	3%	148	300	LD	23	50	25	71	1	2.724	120.957	0.147	6.514	0.135	5.989
48	13	6%	6%	0%	10%	6%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	2%	144	300	LD	23	50	25	71	1	2.751	118.847	0.148	6.385	0.136	5.871
48	14	5%	5%	0%	11%	7%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	143	300	LD	23	50	25	71	1	2.778	119.185	0.149	6.400	0.137	5.885
48	15	5%	4%	0%	12%	7%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	155	300	LD	22	50	25	72	1	2.863	133.122	0.157	7.311	0.145	6.725
48	16	5%	3%	1%	13%	8%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	153	300	LD	23	50	24	74	1	2.814	129.166	0.150	6.908	0.138	6.353
48	17	4%	1%	1%	14%	9%	18%	52%	0%	1%	0%	0%	0%	0%	0%	0%	0%	164	300	LD	22	50	24	76	1	2.906	142.988	0.159	7.840	0.147	7.213
48	18	5%	2%	1%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	151	300	LD	23	50	23	77	1	2.862	129.639	0.152	6.897	0.140	6.344
48	19	5%	2%	0%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	127	300	LD	23	50	23	78	1	2.850	108.584	0.152	5.793	0.140	5.328
48	20	5%	3%	0%	13%	8%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	103	300	LD	24	50	23	79	1	2.723	84.132	0.143	4.419	0.132	4.064
48	21	4%	4%	0%	12%	7%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	90	300	LD	24	50	23	80	1	2.701	72.920	0.142	3.847	0.131	3.538
48	22	6%	4%	0%	11%	7%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	90	300	LD	24	50	23	81	1	2.684	72.457	0.142	3.835	0.131	3.527
48	23	5%	5%	0%	10%	7%	18%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	77	300	LD	24	50	23	81	1	2.701	62.392	0.143	3.298	0.131	3.033
49	0	10%	16%	0%	19%	13%	10%	29%	0%	0%	0%	0%	0%	0%	0%	0%	3%	31	300	LD	25	50	23	82	1	1.756	16.329	0.086	0.796	0.079	0.732
49	1	11%	16%	0%	21%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19	300	LD	25	50	22	82	1	1.858	10.589	0.091	0.517	0.083	0.476
49	2	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	1.963	6.479	0.096	0.318	0.089	0.292
49	3	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	1.963	6.479	0.096	0.318	0.089	0.292
49	4	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	1.832	6.594	0.088	0.317	0.081	0.292
49	5	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	1.832	6.594	0.088	0.317	0.081	0.292
49	6	5%	24%	0%	18%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38	300	LD	25	50	22	83	1	1.863	21.241	0.089	1.016	0.082	0.935
49	7	5%	24%	0%	18%	11%	11%	30%	0%	0%	0%	1%	0%	0%	0%	0%	0%	74	300	LD	25	50	22	82	1	1.834	40.724	0.088	1.946	0.081	1.791
49	8	4%	25%	0%	17%	10%	10%	29%	0%	1%	0%	1%	1%	1%	0%	0%	0%	96	300	LD	24	50	23	79	1	1.934	55.706	0.095	2.745	0.088	2.525
49	9	5%	24%	0%	18%	10%	10%	30%	0%	1%	0%	1%	0%	0%	0%	0%	0%	79	300	LD	24	50	23	77	1	1.886	44.700	0.092	2.188	0.085	2.012
49	10	7%	21%	0%	18%	11%	10%	30%	0%	0%	0%	1%	0%	0%	0%	0%	1%	71	300	LD	25	50	24	74	1	1.805	38.455	0.087	1.859	0.080	1.710
49	11	8%	19%	0%	19%	11%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	63	300	LD	25	50	25	72	1	1.803	34.085	0.088	1.666	0.081	1.533
49	12	9%	17%	0%	20%	12%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	66	300	LD	25	50	25	71	1	1.816	35.967	0.089	1.755	0.082	1.614
49	13	11%	15%	0%	20%	12%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	66	300	LD	25	50	25	71	1	1.811	35.853	0.089	1.757	0.082	1.616
49	14	12%	12%	0%	21%	12%	11%	29%	0%	0%	0%	0%	0%	0%	0%	0%	3%	66	300	LD	25	50	25	71	1	1.760	34.853	0.087	1.720	0.080	1.581
49	15	13%	9%	0%	21%	13%	10%	30%	0%	1%	0%	0%	0%	0%	0%	0%	3%	70	300	LD	25	50	25	72	1	1.787	37.527	0.089	1.874	0.082	1.723
49	16	15%	6%	0%	22%	13%	10%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	69	300	LD	25	50	24	74	1	1.769	36.616	0.088	1.820	0.081	1.673
49	17	17%	3%	0%	22%	14%	10%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	72	300	LD	25	50	24	76	1	1.762	38.050	0.089	1.915	0.081	1.760

2018 w/o Projec		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
49	18	15%	4%	0%	22%	13%	10%	29%	0%	2%	0%	0%	0%	0%	0%	0%	4%	68	300	LD	25	50	23	77	1	1.801	36.749	0.089	1.822	0.082	1.675
49	19	14%	7%	0%	21%	13%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	4%	56	300	LD	25	50	23	78	1	1.830	30.736	0.091	1.523	0.083	1.400
49	20	13%	9%	0%	21%	13%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	4%	47	300	LD	25	50	23	79	1	1.812	25.544	0.090	1.262	0.082	1.160
49	21	13%	10%	0%	23%	13%	10%	30%	0%	0%	0%	0%	0%	0%	0%	0%	3%	40	300	LD	25	50	23	80	1	1.800	21.605	0.089	1.070	0.082	0.984
49	22	12%	12%	0%	22%	12%	10%	29%	0%	0%	0%	0%	0%	0%	0%	0%	2%	41	300	LD	25	50	23	81	1	1.763	21.687	0.087	1.072	0.080	0.986
49	23	11%	14%	0%	19%	11%	11%	31%	0%	0%	0%	0%	0%	0%	0%	0%	3%	36	300	LD	25	50	23	81	1	1.811	19.557	0.090	0.967	0.082	0.890
50	0	46%	15%	0%	23%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13	260	LD	25	50	23	82	1	0.530	1.792	0.021	0.072	0.020	0.066
50	1	43%	14%	0%	29%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7	260	LD	25	50	22	82	1	0.556	1.011	0.023	0.042	0.021	0.039
50	2	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.615	0.800	0.022	0.028	0.020	0.026
50	3	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.615	0.800	0.022	0.028	0.020	0.026
50	4	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.661	0.687	0.027	0.028	0.025	0.026
50	5	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.661	0.687	0.027	0.028	0.025	0.026
50	6	40%	10%	0%	30%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10	260	LD	25	50	22	83	1	0.647	1.682	0.026	0.068	0.024	0.063
50	7	39%	6%	0%	33%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18	260	LD	25	50	22	82	1	0.694	3.248	0.029	0.135	0.027	0.125
50	8	35%	4%	0%	35%	22%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	23	260	LD	25	50	23	79	1	0.690	4.127	0.030	0.178	0.027	0.164
50	9	41%	9%	0%	32%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22	260	LD	25	50	23	77	1	0.626	3.583	0.026	0.151	0.024	0.139
50	10	43%	10%	0%	29%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21	260	LD	25	50	24	74	1	0.615	3.360	0.025	0.139	0.023	0.128
50	11	41%	14%	0%	27%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	22	260	LD	25	50	25	72	1	0.541	3.094	0.023	0.131	0.021	0.120
50	12	42%	15%	0%	23%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26	260	LD	25	50	25	71	1	0.549	3.714	0.022	0.147	0.020	0.135
50	13	44%	15%	0%	22%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	260	LD	25	50	25	71	1	0.530	3.720	0.021	0.148	0.019	0.136
50	14	47%	17%	0%	20%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	30	260	LD	25	50	25	71	1	0.494	3.854	0.019	0.152	0.018	0.139
50	15	46%	17%	0%	20%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	35	260	LD	25	50	25	72	1	0.471	4.282	0.019	0.172	0.017	0.157
50	16	46%	19%	0%	19%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	37	260	LD	25	50	24	74	1	0.463	4.455	0.018	0.174	0.017	0.159
50	17	49%	20%	0%	17%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	41	260	LD	25	50	24	76	1	0.429	4.578	0.017	0.179	0.015	0.164
50	18	47%	18%	0%	18%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	38	260	LD	25	50	23	77	1	0.455	4.500	0.018	0.175	0.016	0.160
50	19	47%	20%	0%	20%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	30	260	LD	25	50	23	78	1	0.454	3.539	0.018	0.139	0.016	0.128
50	20	48%	17%	0%	17%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	23	260	LD	25	50	23	79	1	0.480	2.873	0.018	0.110	0.017	0.101
50	21	47%	16%	0%	21%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	19	260	LD	25	50	23	80	1	0.459	2.267	0.019	0.094	0.017	0.086
50	22	47%	16%	0%	21%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	19	260	LD	25	50	23	81	1	0.457	2.258	0.019	0.094	0.017	0.086
50	23	44%	19%	0%	19%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	16	260	LD	25	50	23	81	1	0.492	2.045	0.019	0.079	0.017	0.072
51	0	13%	37%	0%	11%	6%	4%	11%	17%	0%	0%	2%	0%	0%	0%	0%	0%	54	120	LD	25	50	23	82	1	1.036	6.711	0.051	0.328	0.047	0.302
51	1	13%	37%	0%	10%	7%	3%	10%	20%	0%	0%	0%	0%	0%	0%	0%	0%	30	120	LD	25	50	22	82	1	1.013	3.646	0.048	0.172	0.044	0.158
51	2	11%	33%	0%	11%	6%	6%	11%	22%	0%	0%	0%	0%	0%	0%	0%	0%	18	120	LD	25	50	22	83	1	1.097	2.370	0.054	0.117	0.050	0.108
51	3	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	1.137	2.320	0.057	0.117	0.053	0.108
51	4	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	1.137	2.320	0.057	0.117	0.053	0.108
51	5	13%	25%	0%	13%	6%	6%	13%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	120	LD	25	50	22	83	1	1.181	2.268	0.061	0.117	0.056	0.108
51	6	12%	16%	0%	12%	8%	4%	14%	24%	2%	2%	2%	2%	2%	0%	0%	0%	50	120	LD	25	50	22	83	1	1.431	8.586	0.077	0.460	0.071	0.423
51	7	12%	13%	0%	13%	7%	5%	14%	27%	1%	1%	2%	1%	1%	0%	0%	1%	84	120	LD	25	50	22	82	1	1.401	14.119	0.077	0.773	0.071	0.711
51	8	12%	7%	0%	13%	8%	6%	16%	29%	2%	1%	2%	2%	2%	0%	0%	1%	102	120	LD	24	50	23	79	1	1.579	19.328	0.090	1.106	0.083	1.017
51	9	12%	16%	0%	13%	7%	5%	14%	26%	1%	1%	2%	1%	1%	0%	0%	1%	95	120	LD	24	50	23	77	1	1.405	16.022	0.077	0.882	0.071	0.811
51	10	12%	23%	0%	12%	7%	4%	13%	23%	1%	1%	1%	1%	1%	0%	0%	1%	95	120	LD	24	50	24	74	1	1.300	14.818	0.069	0.789	0.064	0.725
51	11	12%	28%	0%	12%	6%	4%	12%	20%	1%	1%	1%	1%	1%	0%	0%	1%	95	120	LD	24	50	25	72	1	1.219	13.898	0.064	0.730	0.059	0.671
51	12	12%	34%	0%	11%	6%	4%	11%	19%	1%	1%	1%	1%	1%	0%	0%	1%	113	120	LD	24	50	25	71	1	1.141	15.475	0.058	0.783	0.053	0.720
51	13	12%	37%	0%	11%	6%	3%	10%	16%	1%	1%	1%	1%	1%	0%	0%	1%	123	120	LD	24	50	25	71	1	1.077	15.899	0.053	0.782	0.049	0.719
51	14	12%	41%	0%	10%	6%	3%	10%	14%	1%	1%	1%	1%	1%	0%	0%	1%	133	120	LD	24	50	25	71	1	1.064	16.986	0.051	0.810	0.047	0.745
51	15	12%	44%	0%	10%	6%	3%	9%	13%	1%	1%	1%	1%	1%	0%	0%	1%	155	120	LD	24	50	25	72	1	1.001	18.626	0.046	0.863	0.043	0.794
51	16	12%	47%	0%	9%	6%	3%	9%	12%	1%	1%	1%	1%	1%	0%	0%	1%	163	120	LD	24	50	24	74	1	0.986	19.277	0.044	0.863	0.041	0.793
51	17	12%	50%	0%	9%	5%	3%	8%	11%	1%	0%	1%	1%	1%	0%	0%	1%	186	120	LD	23	50	24	76	1	0.954	21.283	0.043	0.951	0.039	0.874
51	18	12%	48%	0%	9%	5%	3%	8%	11%	1%	0%	1%	1%	1%	0%	0%	1%	167	120	LD	24	50	23	77	1	0.977	19.582	0.043	0.861	0.040	0.792
51	19	12%	46%	0%	10%	5%	3%	8%	12%	1%	0%	1%	1%	1%	0%	0%	1%	134	120	LD	24	50	23	78	1	0.978	15.727	0.044	0.707	0.040	0.650
51	20	12%	46%	0%	10%	6%	3%	9%	13%	0%	0%	1%	0%	0%	0%	0%	1%	101	120	LD	24	50	23	79	1	0.954	11.563	0.043	0.520	0.039	0.478
51	21	12%	44%	0%	9%	6%	4%	9%	14%	0%	0%	1%	0%	0%	0%	0%	1%	85	120	LD	25	50	23	80	1	0.963	9.822	0.044	0.445	0.040	0.409
51	22	12%	42%	0%	10%	6%	4%	10%	15%	0%	0%	1%	0%	0%	0%	0%	1%	82	120	LD	25	50	23	81	1	0.981	9.656	0.045	0.446	0.042	0.410
51	23	12%	40%	0%	10%	6%	3%	10%	16%	0%	0%	2%	0%	0%	0%	0%	0%	67	120	LD	25	50	23	81	1	1.003	8.062	0.047	0.381	0.044	0.351
52	0	27%	19%	0%	12%	7%	4%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	124	120	LD	24	50	23	82	1	1.216	18.093	0.056	0.836	0.052	0.768
52	1	26%	21%	0%	12%	7%	4%	11%	10%	3%	3%	0%	0%	0%	0%	3%	1%	73	120	LD	25	50	22	82	1	1.133	9.927	0.048	0.424	0.045	0.390
52	2	25%	20%	0%	12%	8%	4%	12%	10%	2%	2%	0%	0%	0%	0%	2%	2%	49	120	LD	25	50	22	83	1	1.153	6.782	0.051	0.300	0.047	0.276
52	3	24%	22%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	50	120	LD	25	50	22	83	1	1.237	7.422	0.051	0.303	0.047	0.279
52	4	22%	22%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	49	120	LD	25	50	22	83	1	1.259	7.406	0.051	0.302	0.047	0.278
52	5	21%	23%	0%	13%	6%	4%	13%	10%	2%	2%	0%	0%	0%	0%	4%	2%	48	120	LD	25	50	22	83	1	1.290	7.432	0.053	0.302	0.048	0.278
52	6	20%	24%	0%	12%	7%	4%	12%	10%	3%	2%	1%	1%	1%	0%	3%	1%	147	120	LD	24	50	22	83	1	1.340	23.640	0.058	1.021	0.053	0.939
52	7	19%	24%	0%	12%	7%	4%	12%	10%	3%	2%	1%	0%	0%	0%	4%	1%	270	120	LD	22	50	22	82	1	1.452	47.055	0.062	2.019	0.057	1.857
52	8	18%	25%	0%	11%	7%	4%	13%	10%	3%	2%	1%	1%	1%	0%	4%	1%	344	120	LD	20	50	23	79	1	1.571	64.836	0.070	2.895	0.065	2.664
52	9	20%	24%	0%	12%	7%	4%	12%	10%	2%	2%	1%	0%	0%	0%	3%	1%	294	120	LD	21	50	23	77	1	1.456	51.379	0.064	2.275	0.059	2.093
52	10	22%	23%	0%	12%	7%	4%	12%	10%	3%	2%	1%	0%	0%	0%	3%	1%	272	120	LD	22	50	24	74	1	1.388	45.288	0.061	1.990	0.056	1.831
52	11	24%	22%	0%	12%	7%	4%	12%	9%	2%	2%	0%	0%	0%	0%	3%	1%	246	120	LD	22	50	25	72	1	1.358	40.077	0.060	1.782	0.056	1.639
52	12	25%	20%	0%	12%	7%	4%	11%	9%	3%	2%	1%	0%	0%	0%	3%	2%	273	120	LD	22	50	25	71	1	1.324	43.372	0.060	1.961	0.055	1.803
52	13	27%	19%	0%	12%	7%	4%	11%	9%	3%	2%	1%	0%	0%	0%	3%	2%	273	120	LD	22	50	25	71	1	1.282	41.987	0.059	1.918	0.054	1.764
52	14	28%	18%	0%	13%	7%	4%	11%	9%	3%	2%	1%	0%	0%	0%	3%	2%	272	120	LD	22	50	25	71	1	1.235	40.295	0.058	1.878	0.053	1.727
52	15	30%	17%	0%	13%	7%	4%	10%	9%	2%	2%	1%	0%	0%	0%	2%	2%	297	120	LD	21	50	25	72	1	1.224	43.637	0.059	2.096	0.054	1.928
52	16	32%	16%	0%	13%	7%	4%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	297	120	LD	21	50	24	74	1	1.189	42.390	0.058	2.056	0.053	1.890
52	17	34%	14%	0%	13%	8%	3%	10%	8%	3%	2%	1%	0%	0%	0%	2%	2%	321	120	LD	21	50	24	76	1	1.149	44.262	0.056	2.172	0.052	1.997
52	18	33%	15%	0%	13%	7%	3%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	297	120	LD	21	50	23	77	1	1.189	42.390	0.057	2.044	0.053	1.879
52	19	32%	16%	0%	13%	8%	4%	10%	9%	2%	2%	0%	0%	0%	0%	2%	2%	247	120	LD	22	50	23	78	1	1.168	34.608	0.055	1.640	0.051	1.508
52	20	31%	16%	1%	13%	8%	4%	10%	9%	3%	2%	1%	1%	1%	0%	2%	2%	197	120	LD	23	50	23	79	1	1.149	27.160	0.054	1.276	0.050	1.173
52	21	30%	17%	1%	13%	8%	4%	10%	9%	2%	2%	1%	1%	1%	0%	2%	2%	173	120	LD	23	50	23	80	1	1.183	24.564	0.055	1.143	0.051	1.051
52	22	29%	18%	1%	12%	8%	4%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	172	120	LD	23	50	23	81	1	1.198	24.724	0.056	1.153	0.051	1.059
52	23	27%	19%	0%	12%	7%	4%	11%	9%	3%	2%	1%	1%	1%	0%	3%	2%	150	120	LD	24	50	23	81	1	1.206	21.700	0.055	0.981	0.050	0.902

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
1	0	37%	11%	1%	19%	12%	2%	4%	0%	2%	1%	1%	1%	1%	1%	4%	7%	197	230	EX	70	70	23	82	0	0.674	30.532	0.020	0.908	0.018	0.833
1	1	37%	11%	1%	20%	12%	1%	4%	0%	2%	1%	0%	0%	0%	0%	4%	7%	115	230	EX	70	70	22	82	0	0.639	16.903	0.017	0.443	0.015	0.406
1	2	37%	11%	0%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	75	230	EX	70	70	22	83	0	0.643	11.086	0.018	0.302	0.016	0.278
1	3	37%	11%	0%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	76	230	EX	70	70	22	83	0	0.635	11.109	0.017	0.303	0.016	0.278
1	4	36%	11%	0%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	76	230	EX	70	70	22	83	0	0.651	11.381	0.018	0.311	0.016	0.285
1	5	36%	11%	1%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	5%	8%	112	230	EX	70	70	22	83	0	0.661	17.019	0.017	0.447	0.016	0.409
1	6	35%	10%	0%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	224	230	EX	70	70	22	83	0	0.664	34.232	0.018	0.911	0.016	0.835
1	7	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	372	230	EX	70	70	22	82	0	0.674	57.630	0.018	1.540	0.016	1.412
1	8	34%	10%	1%	23%	14%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	9%	483	230	EX	70	70	23	79	0	0.670	74.418	0.018	2.001	0.017	1.835
1	9	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	491	230	EX	70	70	23	77	0	0.680	76.825	0.019	2.143	0.017	1.965
1	10	35%	10%	1%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	457	230	EX	70	70	24	74	0	0.663	69.654	0.019	1.969	0.017	1.806
1	11	36%	11%	1%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	419	230	EX	70	70	25	72	0	0.653	62.961	0.018	1.777	0.017	1.630
1	12	37%	11%	1%	20%	12%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	7%	425	230	EX	70	70	25	71	0	0.652	63.701	0.019	1.835	0.017	1.684
1	13	38%	11%	1%	20%	12%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	7%	429	230	EX	70	70	25	71	0	0.646	63.779	0.019	1.834	0.017	1.684
1	14	38%	12%	1%	19%	11%	1%	4%	0%	1%	1%	1%	0%	1%	0%	4%	6%	432	230	EX	70	70	25	71	0	0.645	64.084	0.019	1.879	0.017	1.725
1	15	39%	12%	0%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	6%	473	230	EX	70	70	25	72	0	0.630	68.518	0.019	2.059	0.017	1.891
1	16	40%	13%	0%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	5%	517	230	EX	70	70	24	74	0	0.638	75.854	0.019	2.253	0.017	2.069
1	17	41%	13%	0%	17%	10%	1%	4%	0%	2%	1%	1%	0%	1%	0%	4%	5%	521	230	EX	70	70	24	76	0	0.625	74.930	0.019	2.266	0.017	2.082
1	18	40%	13%	1%	18%	11%	1%	4%	0%	2%	1%	1%	1%	1%	0%	4%	5%	440	230	EX	70	70	23	77	0	0.645	65.239	0.019	1.960	0.018	1.801
1	19	39%	13%	1%	18%	11%	1%	4%	0%	2%	1%	1%	1%	1%	0%	4%	5%	360	230	EX	70	70	23	78	0	0.654	54.175	0.020	1.642	0.018	1.508
1	20	39%	12%	1%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	6%	316	230	EX	70	70	23	79	0	0.631	45.839	0.018	1.334	0.017	1.225
1	21	39%	12%	0%	19%	11%	2%	4%	0%	2%	1%	0%	0%	0%	0%	4%	6%	275	230	EX	70	70	23	80	0	0.654	41.349	0.019	1.203	0.017	1.105
1	22	38%	12%	0%	19%	11%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	236	230	EX	70	70	23	81	0	0.650	35.302	0.019	1.043	0.018	0.958
1	23	38%	12%	0%	19%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	235	230	EX	70	70	23	81	0	0.652	35.235	0.019	1.042	0.018	0.956
2	0	40%	10%	1%	17%	10%	1%	3%	1%	3%	3%	1%	1%	1%	1%	3%	6%	208	420	EX	70	70	23	82	0	0.620	54.137	0.020	1.744	0.018	1.602
2	1	41%	10%	1%	17%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	3%	6%	123	420	EX	70	70	22	82	0	0.612	31.622	0.020	1.052	0.019	0.966
2	2	40%	11%	0%	17%	9%	1%	4%	0%	4%	2%	1%	1%	1%	0%	4%	6%	85	420	EX	70	70	22	83	0	0.644	22.975	0.023	0.810	0.021	0.744
2	3	42%	11%	0%	16%	10%	1%	4%	0%	4%	2%	1%	1%	1%	0%	4%	5%	84	420	EX	70	70	22	83	0	0.642	22.667	0.023	0.799	0.021	0.735
2	4	41%	12%	0%	15%	9%	1%	4%	0%	4%	4%	1%	1%	1%	0%	4%	5%	86	420	EX	70	70	22	83	0	0.640	23.133	0.023	0.821	0.021	0.754
2	5	42%	12%	0%	15%	9%	2%	3%	1%	4%	3%	1%	1%	1%	0%	3%	5%	127	420	EX	70	70	22	83	0	0.588	31.370	0.020	1.063	0.018	0.976
2	6	42%	13%	0%	14%	8%	1%	4%	0%	4%	3%	1%	1%	1%	0%	3%	5%	256	420	EX	70	70	22	83	0	0.598	64.333	0.020	2.129	0.018	1.957
2	7	43%	13%	1%	14%	8%	1%	4%	1%	4%	3%	1%	1%	1%	0%	3%	4%	428	420	EX	70	70	22	82	0	0.591	106.166	0.019	3.467	0.018	3.186
2	8	43%	14%	0%	13%	8%	1%	4%	1%	4%	3%	1%	1%	1%	0%	3%	4%	558	420	EX	70	70	23	79	0	0.570	133.489	0.018	4.299	0.017	3.951
2	9	43%	13%	0%	14%	8%	1%	3%	1%	4%	3%	1%	1%	1%	0%	3%	5%	555	420	EX	70	70	23	77	0	0.579	134.954	0.018	4.308	0.017	3.958
2	10	42%	12%	0%	15%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	3%	5%	506	420	EX	70	70	24	74	0	0.594	126.236	0.019	4.060	0.018	3.730
2	11	41%	11%	0%	16%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	5%	462	420	EX	70	70	25	72	0	0.596	115.642	0.019	3.766	0.018	3.459
2	12	41%	10%	0%	17%	10%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	6%	458	420	EX	70	70	25	71	0	0.614	118.185	0.020	3.883	0.019	3.566
2	13	40%	9%	0%	17%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	454	420	EX	70	70	25	71	0	0.625	119.139	0.021	3.927	0.019	3.606
2	14	39%	8%	0%	18%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	450	420	EX	70	70	25	71	0	0.633	119.611	0.021	3.921	0.019	3.600
2	15	39%	7%	0%	19%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	486	420	EX	70	70	25	72	0	0.636	129.870	0.021	4.193	0.019	3.848
2	16	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	524	420	EX	70	70	24	74	0	0.659	144.934	0.021	4.616	0.019	4.236
2	17	37%	6%	1%	21%	13%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	520	420	EX	70	70	24	76	0	0.665	145.167	0.021	4.669	0.020	4.285
2	18	37%	6%	1%	21%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	442	420	EX	70	70	23	77	0	0.668	123.949	0.021	3.981	0.020	3.653
2	19	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	362	420	EX	70	70	23	78	0	0.664	100.887	0.021	3.166	0.019	2.906
2	20	38%	7%	1%	19%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	325	420	EX	70	70	23	79	0	0.653	89.188	0.021	2.849	0.019	2.616
2	21	39%	8%	0%	19%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	283	420	EX	70	70	23	80	0	0.645	76.653	0.021	2.477	0.019	2.274
2	22	39%	9%	0%	18%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	246	420	EX	70	70	23	81	0	0.646	66.732	0.020	2.110	0.019	1.938
2	23	40%	9%	0%	18%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	248	420	EX	70	70	23	81	0	0.634	66.081	0.020	2.100	0.019	1.929
3	0	36%	17%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	731	530	EX	70	70	23	82	0	0.673	260.856	0.024	9.112	0.022	8.376
3	1	36%	18%	1%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	439	530	EX	70	70	22	82	0	0.691	160.780	0.024	5.591	0.022	5.140
3	2	36%	18%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	293	530	EX	70	70	22	83	0	0.686	106.552	0.023	3.649	0.022	3.355
3	3	36%	19%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	295	530	EX	70	70	22	83	0	0.690	107.805	0.025	3.831	0.023	3.522
3	4	36%	19%	0%	12%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	295	530	EX	70	70	22	83	0	0.689	107.694	0.024	3.821	0.022	3.513
3	5	36%	19%	0%	12%	7%	3%	7%	0%	3%	3%	1%	1%	1%	0%	3%	5%	448	530	EX	70	70	22	83	0	0.682	162.018	0.024	5.656	0.022	5.199
3	6	36%	20%	0%	12%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	899	530	EX	70	70	22	83	0	0.692	329.515	0.024	11.670	0.023	10.730
3	7	36%	20%	0%	11%	7%	3%	7%	0%	3%	3%	2%	1%	1%	0%	3%	4%	1510	530	EX	69	70	22	82	0	0.697	558.131	0.025	19.860	0.023	18.271
3	8	36%	20%	0%	11%	6%	3%	7%	0%	3%	3%	2%	1%	1%	0%	3%	4%	1980	530	EX	64	70	23	79	0	0.700	734.281	0.024	25.264	0.022	23.243
3	9	36%	20%	0%	11%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1958	530	EX	64	70	23	77	0	0.705	731.675	0.024	24.570	0.022	22.604
3	10	36%	19%	0%	12%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1798	530	EX	66	70	24	74	0	0.688	655.989	0.023	22.320	0.022	20.493
3	11	36%	19%	0%	13%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1631	530	EX	68	70	25	72	0	0.680	587.988	0.024	20.437	0.022	18.787
3	12	35%	18%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1626	530	EX	68	70	25	71	0	0.689	593.667	0.024	20.311	0.022	18.671
3	13	36%	17%	0%	14%	9%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1597	530	EX	68	70	25	71	0	0.686	580.697	0.023	19.838	0.022	18.235
3	14	35%	16%	0%	15%	9%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1587	530	EX	69	70	25	71	0	0.682	573.307	0.023	19.374	0.021	17.820
3	15	35%	16%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1720	530	EX	67	70	25	72	0	0.677	616.967	0.022	20.423	0.021	18.747
3	16	35%	15%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1837	530	EX	66	70	24	74	0	0.680	661.723	0.022	21.179	0.020	19.440
3	17	35%	14%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1812	530	EX	66	70	24	76	0	0.678	650.690	0.022	20.948	0.020	19.227
3	18	35%	15%	1%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1539	530	EX	69	70	23	77	0	0.683	556.799	0.022	17.981	0.020	16.536
3	19	36%	15%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1265	530	EX	70	70	23	78	0	0.682	457.383	0.023	15.164	0.021	13.936
3	20	35%	16%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1137	530	EX	70	70	23	79	0	0.680	409.851	0.023	13.711	0.021	12.602
3	21	35%	16%	0%	16%	9%	3%	7%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1007	530	EX	70	70	23	80	0	0.685	365.826	0.023	12.357	0.021	11.358
3	22	36%	17%	0%	15%	9%	3%	7%	0%	2%	2%	1%	1%	1%	0%	3%	4%	859	530	EX	70	70	23	81	0	0.675	307.499	0.023	10.500	0.021	9.652
3	23	36%	17%	0%	15%	9%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	862	530	EX	70	70	23	81	0	0.671	306.344	0.023	10.493	0.021	9.646
4	0	34%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	671	360	EX	70	70	23	82	0	0.729	176.084	0.023	5.572	0.021	5.122
4	1	35%	18%	1%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	4%	408	360	EX	70	70	22	82	0	0.731	107.299	0.023	3.334	0.021	3.065
4	2	34%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	270	360	EX	70	70	22	83	0	0.741	72.031	0.023	2.203	0.021	2.025
4	3	33%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	270	360	EX	70	70	22	83	0	0.743	72.204	0.023	2.208	0.021	2.029
4	4	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	4%	4%	273	360	EX	70	70	22	83	0	0.753	74.022	0.023	2.243	0.021	2.062
4	5	33%	19%	1%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	3%	4%	409	360	EX	70	70	22	83	0	0.728	107.207	0.022	3.242	0.020	2.980
4	6	32%	19%	0%	16%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	828	360	EX	70	70	22	83	0	0.749	223.203	0.023	6.788	0.021	6.240
4	7	32%	20%	0%	17%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1390	360	EX	70	70	22	82	0	0.736	368.079	0.022	11.159	0.020	10.258
4	8	31%	20%	1%	17%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1821	360	EX	66	70	23	79	0	0.737	483.448	0.022	14.392	0.020	13.213
4	9	32%	19%	1%	17%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1801	360	EX	66	70	23	77	0	0.746	483.747	0.022	14.398	0.020	13.218
4	10	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	1647	360	EX	67	70	24	74	0	0.743	440.630	0.023	13.386	0.021	12.289
4	11	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	1502	360	EX	69	70	25	72	0	0.728	393.822	0.022	12.117	0.021	11.143
4	12	34%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1488	360	EX	69	70	25	71	0	0.734	393.270	0.023	12.185	0.021	11.206
4	13	34%	18%	0%	16%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1488	360	EX	69	70	25	71	0	0.729	390.470	0.022	12.033	0.021	11.067
4	14	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1479	360	EX	69	70	25	71	0	0.733	390.046	0.023	12.110	0.021	11.137
4	15	36%	17%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1604	360	EX	68	70	25	72	0	0.732	422.575	0.023	13.239	0.021	12.167
4	16	36%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1722	360	EX	67	70	24	74	0	0.739	458.107	0.023	14.162	0.021	12.999
4	17	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1714	360	EX	67	70	24	76	0	0.728	449.476	0.023	13.981	0.021	12.831
4	18	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1446	360	EX	70	70	23	77	0	0.734	381.907	0.023	12.046	0.021	11.071
4	19	36%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1188	360	EX	70	70	23	78	0	0.739	316.108	0.023	9.985	0.021	9.177
4	20	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1059	360	EX	70	70	23	79	0	0.730	278.186	0.023	8.749	0.021	8.041
4	21	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	932	360	EX	70	70	23	80	0	0.730	244.847	0.023	7.653	0.021	7.034
4	22	35%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	800	360	EX	70	70	23	81	0	0.728	209.753	0.023	6.610	0.021	6.076
4	23	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	803	360	EX	70	70	23	81	0	0.726	209.932	0.023	6.609	0.021	6.074
5	0	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	460	230	PD	40	50	23	82	0	0.893	94.489	0.029	3.037	0.026	2.793
5	1	34%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	281	230	PD	40	50	22	82	0	0.911	58.907	0.029	1.858	0.026	1.709
5	2	33%	22%	1%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	184	230	PD	40	50	22	83	0	0.894	37.818	0.028	1.189	0.026	1.093
5	3	32%	22%	1%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	185	230	PD	40	50	22	83	0	0.892	37.944	0.028	1.190	0.026	1.094
5	4	32%	23%	1%	14%	8%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	185	230	PD	40	50	22	83	0	0.877	37.319	0.028	1.202	0.026	1.105
5	5	32%	23%	1%	14%	8%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	185	230	PD	40	50	22	83	0	0.877	37.319	0.028	1.202	0.026	1.105
5	6	31%	23%	0%	14%	8%	4%	11%	0%	1%	1%	1%	0%	0%	0%	3%	3%	568	230	PD	40	50	22	83	0	0.935	122.174	0.030	3.936	0.028	3.621
5	7	31%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1041	230	PD	37	50	22	82	0	0.926	221.711	0.030	7.258	0.028	6.669
5	8	30%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1335	230	PD	34	50	23	79	0	0.936	287.378	0.032	9.794	0.029	9.001
5	9	31%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1134	230	PD	36	50	23	77	0	0.939	244.922	0.031	8.094	0.029	7.439
5	10	32%	23%	0%	14%	9%	3%	10%	0%	1%	1%	1%	0%	0%	0%	3%	3%	1032	230	PD	37	50	24	74	0	0.919	218.083	0.030	7.144	0.028	6.563
5	11	32%	22%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	937	230	PD	37	50	25	72	0	0.910	196.075	0.030	6.466	0.028	5.940
5	12	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1021	230	PD	37	50	25	71	0	0.920	216.068	0.030	7.055	0.028	6.480
5	13	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1027	230	PD	37	50	25	71	0	0.933	220.320	0.031	7.207	0.028	6.619
5	14	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1018	230	PD	37	50	25	71	0	0.929	217.436	0.030	7.063	0.028	6.486
5	15	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1110	230	PD	36	50	25	72	0	0.936	239.085	0.031	7.851	0.028	7.211
5	16	35%	19%	0%	14%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	4%	1103	230	PD	36	50	24	74	0	0.950	241.009	0.031	7.742	0.028	7.110
5	17	35%	18%	0%	13%	8%	2%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1191	230	PD	35	50	24	76	0	0.947	259.509	0.031	8.466	0.028	7.770
5	18	35%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1093	230	PD	36	50	23	77	0	0.960	241.343	0.030	7.625	0.028	7.002
5	19	35%	19%	0%	13%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	911	230	PD	38	50	23	78	0	0.934	195.691	0.029	6.175	0.027	5.680
5	20	35%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	732	230	PD	39	50	23	79	0	0.918	154.625	0.029	4.848	0.026	4.460
5	21	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	643	230	PD	40	50	23	80	0	0.912	134.814	0.029	4.232	0.026	3.891
5	22	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	640	230	PD	40	50	23	81	0	0.903	132.904	0.029	4.219	0.026	3.880
5	23	34%	21%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	550	230	PD	40	50	23	81	0	0.899	113.706	0.028	3.585	0.026	3.297
6	0	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	504	320	PD	40	50	23	82	0	0.825	133.066	0.028	4.593	0.026	4.223
6	1	34%	21%	0%	13%	7%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	302	320	PD	40	50	22	82	0	0.857	82.785	0.029	2.825	0.027	2.598
6	2	34%	21%	1%	12%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	201	320	PD	40	50	22	83	0	0.837	53.809	0.029	1.884	0.027	1.732
6	3	34%	22%	1%	12%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	200	320	PD	40	50	22	83	0	0.835	53.409	0.029	1.864	0.027	1.714
6	4	34%	22%	1%	12%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	199	320	PD	40	50	22	83	0	0.830	52.860	0.029	1.845	0.027	1.697
6	5	33%	22%	1%	11%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	5%	201	320	PD	40	50	22	83	0	0.843	54.250	0.029	1.893	0.027	1.741
6	6	34%	23%	0%	11%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	602	320	PD	40	50	22	83	0	0.872	168.033	0.030	5.844	0.028	5.375
6	7	34%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1109	320	PD	36	50	22	82	0	0.913	324.085	0.033	11.573	0.030	10.633
6	8	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1424	320	PD	34	50	23	79	0	0.925	421.436	0.034	15.487	0.031	14.229
6	9	33%	23%	0%	11%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1214	320	PD	35	50	23	77	0	0.914	355.255	0.033	12.759	0.030	11.720

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
6	10	33%	22%	0%	11%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1116	320	PD	36	50	24	74	0	0.891	318.100	0.032	11.410	0.029	10.483
6	11	34%	21%	0%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1012	320	PD	37	50	25	72	0	0.864	279.798	0.031	10.006	0.028	9.192
6	12	34%	20%	0%	13%	8%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1121	320	PD	36	50	25	71	0	0.876	314.411	0.031	11.296	0.029	10.378
6	13	34%	20%	0%	13%	8%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1106	320	PD	36	50	25	71	0	0.860	304.205	0.031	10.836	0.028	9.955
6	14	34%	19%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1111	320	PD	36	50	25	71	0	0.850	302.312	0.030	10.764	0.028	9.889
6	15	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1212	320	PD	36	50	25	72	0	0.841	326.200	0.030	11.584	0.027	10.641
6	16	34%	18%	0%	16%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1208	320	PD	36	50	24	74	0	0.836	323.282	0.029	11.275	0.027	10.357
6	17	35%	18%	0%	16%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1294	320	PD	35	50	24	76	0	0.835	345.865	0.030	12.257	0.027	11.255
6	18	35%	18%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1193	320	PD	36	50	23	77	0	0.840	320.538	0.029	11.100	0.027	10.196
6	19	35%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	995	320	PD	37	50	23	78	0	0.831	264.637	0.029	9.135	0.026	8.391
6	20	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	803	320	PD	39	50	23	79	0	0.820	210.806	0.028	7.219	0.026	6.642
6	21	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	712	320	PD	40	50	23	80	0	0.816	185.925	0.028	6.395	0.026	5.880
6	22	34%	20%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	696	320	PD	40	50	23	81	0	0.807	179.696	0.028	6.221	0.026	5.721
6	23	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	600	320	PD	40	50	23	81	0	0.824	158.115	0.028	5.447	0.026	5.009
7	0	31%	21%	0%	14%	9%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	354	110	DD	29	50	23	82	1	0.993	38.681	0.038	1.465	0.035	1.345
7	1	32%	22%	1%	14%	8%	3%	10%	0%	2%	1%	1%	1%	1%	0%	2%	4%	211	110	DD	29	50	22	82	1	0.975	22.620	0.037	0.850	0.034	0.780
7	2	32%	22%	0%	13%	8%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	142	110	DD	30	50	22	83	1	0.987	15.413	0.036	0.567	0.033	0.520
7	3	32%	23%	0%	13%	8%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	142	110	DD	30	50	22	83	1	0.985	15.381	0.036	0.563	0.033	0.516
7	4	32%	23%	0%	12%	7%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	141	110	DD	30	50	22	83	1	0.975	15.119	0.036	0.551	0.033	0.506
7	5	32%	23%	0%	12%	7%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	141	110	DD	30	50	22	83	1	0.975	15.119	0.036	0.551	0.033	0.506
7	6	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	424	110	DD	28	50	22	83	1	1.023	47.730	0.038	1.758	0.035	1.613
7	7	32%	24%	0%	11%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	781	110	DD	26	50	22	82	1	1.085	93.187	0.041	3.536	0.038	3.247
7	8	32%	25%	0%	10%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	997	110	DD	24	50	23	79	1	1.137	124.707	0.045	4.944	0.041	4.538
7	9	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	854	110	DD	25	50	23	77	1	1.110	104.307	0.043	4.078	0.040	3.747
7	10	32%	23%	0%	12%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	782	110	DD	26	50	24	74	1	1.072	92.231	0.042	3.572	0.038	3.280
7	11	32%	23%	0%	13%	8%	4%	10%	0%	2%	2%	1%	0%	1%	0%	3%	4%	708	110	DD	26	50	25	72	1	1.044	81.333	0.041	3.230	0.038	2.966
7	12	32%	22%	0%	14%	8%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	778	110	DD	26	50	25	71	1	1.046	89.480	0.042	3.561	0.038	3.270
7	13	31%	21%	0%	14%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	777	110	DD	26	50	25	71	1	1.031	88.087	0.041	3.531	0.038	3.243
7	14	31%	21%	0%	15%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	777	110	DD	26	50	25	71	1	1.030	88.025	0.042	3.548	0.038	3.259
7	15	31%	20%	1%	16%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	847	110	DD	25	50	25	72	1	1.046	97.484	0.044	4.059	0.040	3.729
7	16	31%	19%	1%	17%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	847	110	DD	25	50	24	74	1	1.058	98.592	0.044	4.084	0.040	3.752
7	17	31%	18%	0%	18%	10%	3%	9%	0%	2%	1%	0%	0%	0%	0%	2%	4%	916	110	DD	25	50	24	76	1	1.036	104.341	0.043	4.358	0.040	4.003
7	18	31%	19%	1%	17%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	846	110	DD	25	50	23	77	1	1.059	98.527	0.044	4.076	0.040	3.744
7	19	31%	19%	0%	16%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	706	110	DD	26	50	23	78	1	1.031	80.106	0.042	3.255	0.038	2.989
7	20	31%	20%	0%	16%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	565	110	DD	27	50	23	79	1	1.013	62.966	0.040	2.496	0.037	2.291
7	21	31%	20%	0%	16%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	496	110	DD	28	50	23	80	1	0.991	54.058	0.039	2.101	0.035	1.928
7	22	31%	20%	0%	15%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	494	110	DD	28	50	23	81	1	0.979	53.191	0.038	2.072	0.035	1.902
7	23	31%	21%	1%	15%	9%	4%	10%	0%	2%	1%	1%	1%	1%	0%	2%	4%	426	110	DD	28	50	23	81	1	0.990	46.414	0.039	1.808	0.035	1.659
8	0	32%	22%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	4%	517	260	DD	27	50	23	82	1	0.983	132.129	0.036	4.879	0.033	4.478
8	1	31%	22%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	312	260	DD	29	50	22	82	1	0.972	78.828	0.034	2.730	0.031	2.506
8	2	31%	23%	1%	14%	8%	3%	8%	2%	2%	1%	1%	1%	1%	1%	3%	3%	208	260	DD	29	50	22	83	1	1.007	54.461	0.035	1.903	0.032	1.747
8	3	31%	23%	1%	13%	8%	3%	8%	2%	2%	1%	1%	1%	1%	0%	3%	3%	209	260	DD	29	50	22	83	1	0.972	52.843	0.035	1.898	0.032	1.743
8	4	30%	23%	1%	13%	8%	3%	8%	2%	2%	1%	1%	1%	1%	0%	3%	3%	209	260	DD	29	50	22	83	1	0.974	52.921	0.035	1.896	0.032	1.742
8	5	30%	24%	1%	13%	8%	3%	9%	2%	2%	1%	1%	1%	1%	0%	3%	3%	211	260	DD	29	50	22	83	1	0.985	54.058	0.035	1.941	0.032	1.782
8	6	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	3%	629	260	DD	27	50	22	83	1	1.023	167.271	0.038	6.159	0.035	5.658
8	7	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	2%	1157	260	DD	23	50	22	82	1	1.156	347.700	0.045	13.607	0.042	12.503
8	8	29%	25%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	2%	1475	260	DD	14	50	23	79	1	1.557	597.205	0.068	25.943	0.062	23.842
8	9	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	3%	1260	260	DD	22	50	23	77	1	1.192	390.405	0.047	15.518	0.044	14.262
8	10	30%	24%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1149	260	DD	23	50	24	74	1	1.131	337.936	0.044	13.206	0.041	12.130
8	11	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1042	260	DD	24	50	25	72	1	1.090	295.371	0.043	11.565	0.039	10.619
8	12	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1144	260	DD	23	50	25	71	1	1.115	331.675	0.044	12.998	0.040	11.935
8	13	32%	22%	0%	13%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	1139	260	DD	23	50	25	71	1	1.109	328.284	0.043	12.781	0.040	11.734
8	14	32%	22%	0%	13%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	1132	260	DD	23	50	25	71	1	1.093	321.588	0.042	12.479	0.039	11.455
8	15	32%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1231	260	DD	23	50	25	72	1	1.081	346.116	0.042	13.514	0.039	12.402
8	16	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1228	260	DD	23	50	24	74	1	1.087	347.013	0.042	13.360	0.038	12.259
8	17	33%	20%	0%	13%	8%	2%	6%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1327	260	DD	22	50	24	76	1	1.110	382.882	0.043	14.856	0.040	13.635
8	18	33%	20%	0%	13%	8%	2%	6%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1225	260	DD	23	50	23	77	1	1.091	347.354	0.042	13.262	0.038	12.168
8	19	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1023	260	DD	24	50	23	78	1	1.059	281.615	0.040	10.645	0.037	9.766
8	20	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	821	260	DD	25	50	23	79	1	1.036	221.180	0.039	8.284	0.036	7.608
8	21	32%	21%	0%	13%	8%	3%	7%	2%	2%	2%	1%	0%	1%	0%	4%	4%	722	260	DD	26	50	23	80	1	1.022	191.863	0.038	7.117	0.035	6.534
8	22	32%	22%	0%	13%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	723	260	DD	26	50	23	81	1	1.010	189.930	0.037	7.042	0.034	6.466
8	23	32%	22%	0%	13%	8%	3%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	620	260	DD	27	50	23	81	1	0.995	160.439	0.037	5.898	0.034	5.414
9	0	30%	21%	0%	14%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	400	170	DD	28	50	23	82	1	1.044	71.006	0.039	2.685	0.036	2.465
9	1	30%	22%	0%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	3%	241	170	DD	29	50	22	82	1	1.042	42.688	0.038	1.542	0.035	1.416
9	2	30%	23%	1%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	160	170	DD	30	50	22	83	1	0.970	26.374	0.035	0.948	0.032	0.870
9	3	30%	23%	1%	13%	8%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	159	170	DD	30	50	22	83	1	0.965	26.084	0.035	0.933	0.032	0.856
9	4	31%	24%	0%	12%	7%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	157	170	DD	30	50	22	83	1	0.965	25.763	0.034	0.916	0.031	0.840
9	5	31%	24%	0%	12%	7%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	157	170	DD	30	50	22	83	1	0.964	25.717	0.034	0.909	0.031	0.834
9	6	30%	24%	0%	11%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	477	170	DD	28	50	22	83	1	1.031	83.581	0.038	3.064	0.035	2.812
9	7	31%	25%	0%	11%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	875	170	DD	25	50	22	82	1	1.107	164.702	0.043	6.367	0.039	5.850
9	8	30%	25%	0%	10%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	1117	170	DD	23	50	23	79	1	1.174	222.984	0.047	8.891	0.043	8.163
9	9	30%	24%	0%	11%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	959	170	DD	24	50	23	77	1	1.140	185.912	0.045	7.327	0.041	6.726
9	10	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	880	170	DD	25	50	24	74	1	1.108	165.702	0.043	6.493	0.040	5.966
9	11	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	799	170	DD	25	50	25	72	1	1.097	149.059	0.043	5.851	0.040	5.376
9	12	30%	22%	0%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	883	170	DD	25	50	25	71	1	1.103	165.595	0.044	6.575	0.040	6.042
9	13	30%	21%	0%	14%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	883	170	DD	25	50	25	71	1	1.103	165.552	0.044	6.574	0.040	6.040
9	14	30%	20%	0%	14%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	882	170	DD	25	50	25	71	1	1.096	164.313	0.044	6.549	0.040	6.018
9	15	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	967	170	DD	24	50	25	72	1	1.122	184.413	0.046	7.548	0.042	6.930
9	16	30%	19%	0%	16%	9%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	3%	971	170	DD	24	50	24	74	1	1.137	187.603	0.046	7.605	0.042	6.982
9	17	30%	18%	1%	16%	10%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1052	170	DD	24	50	24	76	1	1.128	201.646	0.046	8.287	0.043	7.609
9	18	30%	19%	0%	16%	10%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	969	170	DD	24	50	23	77	1	1.151	189.581	0.046	7.653	0.043	7.027
9	19	30%	19%	0%	16%	9%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	4%	809	170	DD	25	50	23	78	1	1.110	152.605	0.044	6.077	0.041	5.584
9	20	30%	20%	1%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	644	170	DD	27	50	23	79	1	1.049	114.795	0.040	4.432	0.037	4.070
9	21	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	560	170	DD	27	50	23	80	1	1.035	98.553	0.040	3.806	0.037	3.495
9	22	30%	21%	0%	14%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	561	170	DD	27	50	23	81	1	1.031	98.296	0.040	3.804	0.037	3.492
9	23	30%	21%	0%	14%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	483	170	DD	28	50	23	81	1	1.019	83.658	0.039	3.176	0.036	2.915
10	0	27%	31%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	112	200	DD	30	50	23	82	1	0.711	15.919	0.022	0.500	0.020	0.457
10	1	27%	32%	0%	15%	9%	0%	2%	0%	3%	3%	2%	0%	0%	0%	3%	5%	66	200	DD	30	50	22	82	1	0.695	9.170	0.020	0.261	0.018	0.238
10	2	29%	33%	0%	17%	10%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	42	200	DD	30	50	22	83	1	0.600	5.042	0.016	0.132	0.014	0.120
10	3	28%	35%	0%	15%	10%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	5%	40	200	DD	30	50	22	83	1	0.610	4.884	0.015	0.122	0.014	0.111
10	4	27%	37%	0%	15%	10%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	41	200	DD	30	50	22	83	1	0.604	4.949	0.015	0.122	0.014	0.111
10	5	27%	37%	0%	15%	10%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	41	200	DD	30	50	22	83	1	0.604	4.949	0.015	0.122	0.014	0.111
10	6	25%	38%	0%	15%	9%	0%	1%	0%	3%	3%	1%	1%	1%	0%	2%	3%	122	200	DD	30	50	22	83	1	0.657	16.026	0.020	0.490	0.018	0.449
10	7	25%	39%	1%	15%	9%	1%	1%	0%	2%	2%	1%	1%	1%	0%	2%	3%	220	200	DD	30	50	22	82	1	0.653	28.748	0.019	0.846	0.018	0.775
10	8	25%	40%	0%	15%	9%	0%	1%	0%	2%	2%	1%	1%	1%	0%	2%	3%	275	200	DD	29	50	23	79	1	0.649	35.722	0.020	1.091	0.018	1.001
10	9	25%	38%	0%	15%	9%	0%	1%	0%	3%	2%	1%	0%	0%	0%	2%	4%	241	200	DD	29	50	23	77	1	0.644	31.019	0.019	0.918	0.017	0.842
10	10	26%	36%	0%	15%	9%	0%	1%	0%	3%	2%	1%	0%	0%	0%	2%	4%	227	200	DD	30	50	24	74	1	0.637	28.931	0.019	0.865	0.017	0.791
10	11	26%	34%	1%	15%	9%	1%	1%	0%	3%	2%	1%	1%	1%	0%	2%	4%	212	200	DD	30	50	25	72	1	0.674	28.597	0.020	0.861	0.019	0.788
10	12	27%	32%	0%	15%	9%	0%	1%	0%	3%	3%	1%	0%	0%	0%	3%	5%	241	200	DD	29	50	25	71	1	0.674	32.483	0.020	0.977	0.019	0.894
10	13	28%	31%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	5%	247	200	DD	29	50	25	71	1	0.690	34.077	0.021	1.022	0.019	0.935
10	14	28%	29%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	253	200	DD	29	50	25	71	1	0.715	36.174	0.021	1.074	0.019	0.982
10	15	28%	27%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	286	200	DD	29	50	25	72	1	0.740	42.328	0.023	1.298	0.021	1.187
10	16	29%	26%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	289	200	DD	29	50	24	74	1	0.745	43.079	0.023	1.319	0.021	1.206
10	17	29%	25%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	7%	321	200	DD	29	50	24	76	1	0.746	47.890	0.023	1.465	0.021	1.339
10	18	29%	25%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	295	200	DD	29	50	23	77	1	0.772	45.533	0.023	1.372	0.021	1.255
10	19	29%	26%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	241	200	DD	29	50	23	78	1	0.746	35.954	0.022	1.057	0.020	0.966
10	20	28%	27%	1%	15%	9%	1%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	190	200	DD	30	50	23	79	1	0.708	26.894	0.021	0.811	0.020	0.741
10	21	28%	28%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	163	200	DD	30	50	23	80	1	0.701	22.856	0.021	0.681	0.019	0.621
10	22	28%	29%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	160	200	DD	30	50	23	81	1	0.693	22.163	0.021	0.657	0.019	0.600
10	23	28%	30%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	137	200	DD	30	50	23	81	1	0.695	19.054	0.021	0.579	0.019	0.529
11	0	33%	20%	0%	13%	8%	4%	9%	3%	2%	1%	1%	1%	1%	0%	4%	3%	405	210	DD	28	50	23	82	1	1.046	89.000	0.039	3.346	0.036	3.073
11	1	32%	20%	0%	13%	8%	3%	10%	3%	2%	1%	0%	0%	0%	0%	4%	3%	246	210	DD	29	50	22	82	1	1.057	54.609	0.038	1.949	0.035	1.790
11	2	32%	20%	1%	13%	8%	4%	10%	2%	2%	1%	1%	1%	1%	0%	4%	2%	166	210	DD	30	50	22	83	1	1.027	35.789	0.037	1.295	0.034	1.189
11	3	31%	20%	1%	13%	8%	4%	10%	3%	2%	1%	1%	1%	1%	0%	4%	2%	169	210	DD	30	50	22	83	1	1.046	37.124	0.038	1.352	0.035	1.242
11	4	31%	20%	1%	13%	8%	4%	10%	3%	2%	1%	1%	1%	1%	0%	4%	2%	169	210	DD	30	50	22	83	1	1.046	37.124	0.038	1.352	0.035	1.242
11	5	31%	21%	1%	13%	8%	4%	10%	3%	2%	1%	1%	1%	1%	0%	4%	2%	169	210	DD	30	50	22	83	1	1.048	37.202	0.038	1.351	0.035	1.241
11	6	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	508	210	DD	27	50	22	83	1	1.116	119.033	0.043	4.539	0.039	4.172
11	7	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	937	210	DD	24	50	22	82	1	1.209	237.875	0.048	9.501	0.044	8.730
11	8	30%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1200	210	DD	22	50	23	79	1	1.293	325.831	0.053	13.404	0.049	12.324
11	9	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1018	210	DD	24	50	23	77	1	1.206	257.854	0.048	10.240	0.044	9.408
11	10	31%	21%	0%	13%	8%	4%	10%	3%	2%	1%	0%	0%	0%	0%	4%	2%	921	210	DD	24	50	24	74	1	1.182	228.635	0.047	9.130	0.043	8.388
11	11	32%	20%	0%	13%	8%	4%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	829	210	DD	25	50	25	72	1	1.134	197.479	0.045	7.860	0.042	7.228
11	12	32%	20%	0%	13%	8%	3%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	902	210	DD	25	50	25	71	1	1.134	214.887	0.045	8.460	0.041	7.777
11	13	33%	20%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	0%	0%	4%	3%	893	210	DD	25	50	25	71	1	1.120	210.090	0.044	8.269	0.041	7.602
11	14	33%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	1%	1%	0%	4%	3%	881	210	DD	25	50	25	71	1	1.114	206.147	0.044	8.115	0.040	7.459
11	15	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	1%	0%	4%	3%	948	210	DD	24	50	25	72	1	1.135	225.914	0.045	8.955	0.041	8.221
11	16	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	940	210	DD	24	50	24	74	1	1.134	223.929	0.045	8.794	0.041	8.073
11	17	35%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	1005	210	DD	24	50	24	76	1	1.118	235.893	0.044	9.267	0.040	8.505
11	18	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	935	210	DD	25	50	23	77	1	1.107	217.393	0.042	8.286	0.039	7.614
11	19	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	784	210	DD	26	50	23	78	1	1.078	177.407	0.041	6.695	0.037	6.149

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
11	20	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	1%	1%	0%	4%	4%	632	210	DD	27	50	23	79	1	1.059	140.502	0.040	5.254	0.036	4.824
11	21	33%	19%	0%	13%	8%	3%	9%	3%	1%	1%	1%	1%	1%	0%	4%	3%	557	210	DD	27	50	23	80	1	1.059	123.881	0.040	4.684	0.037	4.302
11	22	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	1%	0%	4%	3%	560	210	DD	27	50	23	81	1	1.062	124.840	0.040	4.720	0.037	4.334
11	23	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	0%	0%	4%	3%	484	210	DD	28	50	23	81	1	1.034	105.067	0.039	3.919	0.035	3.599
12	0	31%	20%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	471	160	DD	28	50	23	82	1	0.989	74.535	0.037	2.799	0.034	2.570
12	1	31%	20%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	281	160	DD	29	50	22	82	1	0.997	44.819	0.036	1.626	0.033	1.493
12	2	31%	21%	1%	13%	8%	3%	8%	4%	2%	2%	1%	1%	1%	0%	3%	3%	183	160	DD	30	50	22	83	1	0.961	28.141	0.035	1.016	0.032	0.933
12	3	31%	21%	1%	13%	8%	3%	8%	4%	2%	2%	1%	1%	1%	0%	3%	3%	183	160	DD	30	50	22	83	1	0.960	28.099	0.035	1.010	0.032	0.927
12	4	30%	21%	1%	12%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	182	160	DD	30	50	22	83	1	0.979	28.508	0.036	1.034	0.033	0.949
12	5	30%	22%	1%	12%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	181	160	DD	30	50	22	83	1	0.990	28.667	0.036	1.044	0.033	0.958
12	6	30%	22%	0%	11%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	534	160	DD	27	50	22	83	1	1.046	89.395	0.040	3.384	0.036	3.107
12	7	30%	23%	0%	11%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	974	160	DD	24	50	22	82	1	1.142	177.944	0.046	7.148	0.042	6.563
12	8	30%	23%	0%	11%	6%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	1225	160	DD	23	50	23	79	1	1.170	229.331	0.048	9.445	0.044	8.674
12	9	30%	22%	0%	11%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	1069	160	DD	24	50	23	77	1	1.147	196.224	0.046	7.856	0.042	7.213
12	10	30%	22%	0%	12%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	991	160	DD	24	50	24	74	1	1.113	176.507	0.045	7.097	0.041	6.516
12	11	31%	21%	0%	13%	7%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	914	160	DD	25	50	25	72	1	1.062	155.313	0.042	6.183	0.039	5.681
12	12	31%	21%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1020	160	DD	24	50	25	71	1	1.088	177.579	0.044	7.153	0.040	6.567
12	13	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1038	160	DD	24	50	25	71	1	1.088	180.775	0.044	7.281	0.040	6.684
12	14	31%	19%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1051	160	DD	24	50	25	71	1	1.081	181.701	0.043	7.296	0.040	6.698
12	15	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1161	160	DD	23	50	25	72	1	1.094	203.174	0.044	8.207	0.041	7.534
12	16	31%	18%	0%	15%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1179	160	DD	23	50	24	74	1	1.098	207.185	0.044	8.260	0.040	7.583
12	17	31%	18%	0%	16%	9%	2%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1293	160	DD	22	50	24	76	1	1.113	230.213	0.045	9.412	0.042	8.643
12	18	31%	18%	0%	15%	9%	2%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1184	160	DD	23	50	23	77	1	1.102	208.687	0.044	8.246	0.040	7.569
12	19	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	981	160	DD	24	50	23	78	1	1.070	167.997	0.042	6.627	0.039	6.082
12	20	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	778	160	DD	26	50	23	79	1	1.028	128.015	0.039	4.911	0.036	4.509
12	21	31%	19%	0%	14%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	674	160	DD	26	50	23	80	1	1.020	109.960	0.039	4.214	0.036	3.870
12	22	31%	19%	0%	14%	8%	3%	8%	4%	2%	2%	0%	0%	0%	0%	3%	4%	669	160	DD	26	50	23	81	1	1.019	109.042	0.039	4.199	0.036	3.856
12	23	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	568	160	DD	27	50	23	81	1	1.004	91.229	0.038	3.490	0.035	3.204
13	0	39%	19%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	156	60	DD	30	50	23	82	1	0.659	6.168	0.021	0.197	0.019	0.180
13	1	39%	20%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	4%	91	60	DD	30	50	22	82	1	0.648	3.539	0.020	0.107	0.018	0.098
13	2	40%	21%	0%	16%	9%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	5%	58	60	DD	30	50	22	83	1	0.601	2.090	0.017	0.058	0.015	0.053
13	3	41%	21%	0%	14%	9%	0%	0%	0%	4%	4%	0%	0%	0%	0%	4%	4%	56	60	DD	30	50	22	83	1	0.607	2.038	0.016	0.055	0.015	0.050
13	4	39%	23%	0%	14%	9%	0%	0%	0%	4%	4%	0%	0%	0%	0%	4%	4%	56	60	DD	30	50	22	83	1	0.613	2.060	0.016	0.054	0.015	0.050
13	5	38%	24%	0%	15%	9%	0%	0%	0%	4%	4%	0%	0%	0%	0%	4%	4%	55	60	DD	30	50	22	83	1	0.619	2.042	0.016	0.054	0.015	0.049
13	6	38%	23%	1%	14%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	3%	168	60	DD	30	50	22	83	1	0.685	6.907	0.020	0.205	0.019	0.188
13	7	37%	24%	0%	13%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	3%	300	60	DD	29	50	22	82	1	0.733	13.192	0.022	0.391	0.020	0.359
13	8	37%	25%	0%	13%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	2%	372	60	DD	29	50	23	79	1	0.708	15.801	0.021	0.458	0.019	0.420
13	9	38%	23%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	3%	333	60	DD	29	50	23	77	1	0.718	14.354	0.021	0.430	0.020	0.394
13	10	38%	22%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	4%	314	60	DD	29	50	24	74	1	0.706	13.294	0.021	0.403	0.020	0.369
13	11	38%	21%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	4%	297	60	DD	29	50	25	72	1	0.709	12.625	0.022	0.398	0.020	0.365
13	12	38%	20%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	5%	337	60	DD	29	50	25	71	1	0.722	14.599	0.023	0.455	0.021	0.417
13	13	39%	19%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	348	60	DD	29	50	25	71	1	0.716	14.941	0.023	0.474	0.021	0.434
13	14	39%	18%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	356	60	DD	29	50	25	71	1	0.713	15.229	0.023	0.486	0.021	0.445
13	15	39%	17%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	400	60	DD	28	50	25	72	1	0.712	17.090	0.023	0.555	0.021	0.508
13	16	39%	16%	1%	16%	10%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	7%	412	60	DD	28	50	24	74	1	0.717	17.721	0.023	0.572	0.021	0.523
13	17	40%	15%	0%	16%	10%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	7%	458	60	DD	28	50	24	76	1	0.706	19.400	0.023	0.639	0.021	0.584
13	18	39%	16%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	7%	417	60	DD	28	50	23	77	1	0.731	18.281	0.024	0.591	0.022	0.540
13	19	39%	16%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	7%	340	60	DD	29	50	23	78	1	0.691	14.104	0.022	0.445	0.020	0.407
13	20	39%	17%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	270	60	DD	29	50	23	79	1	0.706	11.433	0.022	0.360	0.020	0.329
13	21	39%	17%	0%	16%	9%	0%	1%	0%	3%	3%	0%	0%	0%	0%	3%	6%	232	60	DD	29	50	23	80	1	0.706	9.834	0.022	0.306	0.020	0.280
13	22	39%	18%	0%	15%	9%	0%	1%	0%	4%	3%	0%	0%	0%	0%	4%	6%	227	60	DD	30	50	23	81	1	0.694	9.447	0.021	0.289	0.019	0.264
13	23	39%	18%	1%	15%	9%	1%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	190	60	DD	30	50	23	81	1	0.657	7.493	0.021	0.239	0.019	0.218
14	0	56%	17%	0%	6%	4%	0%	0%	0%	4%	4%	2%	2%	2%	0%	0%	2%	48	590	LD	25	50	23	82	1	0.527	14.921	0.027	0.752	0.024	0.692
14	1	57%	18%	0%	7%	4%	0%	0%	0%	4%	4%	4%	0%	0%	0%	0%	4%	28	590	LD	25	50	22	82	1	0.352	5.811	0.017	0.276	0.015	0.254
14	2	61%	17%	0%	6%	6%	0%	0%	0%	6%	6%	0%	0%	0%	0%	0%	0%	18	590	LD	25	50	22	83	1	0.305	3.239	0.012	0.130	0.011	0.121
14	3	58%	21%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	19	590	LD	25	50	22	83	1	0.312	3.493	0.012	0.130	0.011	0.120
14	4	60%	20%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	20	590	LD	25	50	22	83	1	0.297	3.503	0.011	0.133	0.010	0.123
14	5	57%	19%	0%	10%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	21	590	LD	25	50	22	83	1	0.319	3.954	0.013	0.161	0.012	0.149
14	6	54%	19%	0%	7%	4%	0%	0%	0%	4%	4%	2%	2%	2%	0%	0%	2%	68	590	LD	25	50	22	83	1	0.483	19.371	0.023	0.909	0.021	0.837
14	7	54%	19%	0%	7%	4%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	128	590	LD	24	50	22	82	1	0.537	40.533	0.026	1.986	0.024	1.825
14	8	54%	19%	0%	7%	4%	0%	1%	0%	5%	4%	2%	1%	2%	0%	0%	2%	165	590	LD	24	50	23	79	1	0.515	50.113	0.025	2.395	0.023	2.201
14	9	54%	18%	0%	7%	4%	0%	1%	0%	4%	4%	2%	2%	2%	0%	0%	2%	136	590	LD	24	50	23	77	1	0.525	42.105	0.025	2.040	0.023	1.874
14	10	55%	19%	0%	7%	4%	0%	1%	0%	4%	3%	2%	2%	2%	0%	0%	2%	118	590	LD	24	50	24	74	1	0.529	36.841	0.026	1.800	0.024	1.654
14	11	55%	17%	0%	7%	4%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	104	590	LD	25	50	25	72	1	0.535	32.802	0.027	1.648	0.025	1.517
14	12	56%	16%	0%	7%	5%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	110	590	LD	25	50	25	71	1	0.532	34.508	0.026	1.717	0.024	1.580
14	13	56%	16%	0%	8%	5%	0%	1%	0%	5%	4%	2%	1%	1%	0%	0%	2%	105	590	LD	25	50	25	71	1	0.465	28.830	0.023	1.403	0.021	1.291
14	14	58%	16%	0%	7%	4%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	97	590	LD	25	50	25	71	1	0.454	25.993	0.023	1.290	0.021	1.187
14	15	58%	14%	0%	8%	5%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	101	590	LD	25	50	25	72	1	0.463	27.610	0.023	1.379	0.021	1.269
14	16	59%	14%	0%	8%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	95	590	LD	25	50	24	74	1	0.466	26.142	0.024	1.327	0.022	1.222
14	17	59%	12%	0%	8%	5%	1%	2%	0%	4%	3%	2%	1%	1%	0%	0%	2%	99	590	LD	25	50	24	76	1	0.511	29.829	0.026	1.525	0.024	1.404
14	18	60%	13%	0%	8%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	92	590	LD	25	50	23	77	1	0.467	25.331	0.024	1.283	0.022	1.181
14	19	59%	14%	0%	8%	5%	0%	1%	0%	4%	4%	1%	1%	1%	0%	0%	3%	80	590	LD	25	50	23	78	1	0.495	23.383	0.024	1.144	0.022	1.052
14	20	59%	14%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	66	590	LD	25	50	23	79	1	0.505	19.681	0.026	0.994	0.024	0.916
14	21	57%	15%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	62	590	LD	25	50	23	80	1	0.534	19.530	0.027	0.981	0.025	0.903
14	22	57%	14%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	63	590	LD	25	50	23	81	1	0.530	19.692	0.027	0.995	0.025	0.916
14	23	56%	16%	0%	7%	4%	0%	2%	0%	4%	4%	2%	2%	2%	0%	0%	2%	55	590	LD	25	50	23	81	1	0.547	17.757	0.028	0.898	0.025	0.827
15	0	36%	23%	0%	9%	5%	0%	0%	0%	9%	5%	5%	5%	5%	0%	0%	0%	22	590	LD	25	50	23	82	1	0.861	11.173	0.045	0.581	0.041	0.535
15	1	33%	20%	0%	7%	7%	0%	0%	0%	7%	7%	7%	7%	7%	0%	0%	0%	15	590	LD	25	50	22	82	1	1.175	10.402	0.061	0.539	0.056	0.497
15	2	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	3	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	4	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	5	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.537	2.851	0.030	0.159	0.028	0.146
15	6	35%	27%	0%	8%	4%	0%	0%	0%	8%	4%	8%	4%	4%	0%	0%	0%	26	590	LD	25	50	22	83	1	0.852	13.064	0.044	0.673	0.040	0.620
15	7	35%	29%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	49	590	LD	25	50	22	82	1	0.874	25.270	0.043	1.249	0.040	1.151
15	8	36%	31%	0%	5%	3%	0%	0%	0%	7%	5%	5%	3%	5%	0%	0%	0%	59	590	LD	25	50	23	79	1	0.863	30.025	0.042	1.458	0.039	1.343
15	9	35%	29%	0%	6%	4%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	52	590	LD	25	50	23	77	1	0.829	25.438	0.041	1.255	0.038	1.156
15	10	35%	27%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	48	590	LD	25	50	24	74	1	0.881	24.939	0.044	1.257	0.041	1.158
15	11	36%	24%	0%	7%	4%	0%	0%	0%	7%	7%	7%	4%	4%	0%	0%	0%	45	590	LD	25	50	25	72	1	0.899	23.869	0.047	1.239	0.043	1.141
15	12	35%	23%	0%	8%	4%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	48	590	LD	25	50	25	71	1	0.875	24.782	0.046	1.293	0.042	1.191
15	13	35%	21%	0%	8%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	48	590	LD	25	50	25	71	1	0.904	25.589	0.047	1.322	0.043	1.218
15	14	36%	20%	0%	10%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	50	590	LD	25	50	25	71	1	0.878	25.904	0.046	1.345	0.042	1.239
15	15	36%	19%	0%	9%	6%	0%	2%	0%	8%	6%	6%	4%	6%	0%	0%	0%	53	590	LD	25	50	25	72	1	1.020	31.880	0.053	1.656	0.049	1.525
15	16	35%	16%	0%	11%	6%	0%	2%	0%	7%	6%	7%	6%	6%	0%	0%	0%	55	590	LD	25	50	24	74	1	1.107	35.921	0.060	1.932	0.055	1.779
15	17	35%	13%	0%	12%	7%	0%	2%	0%	8%	7%	7%	5%	5%	0%	0%	0%	60	590	LD	25	50	24	76	1	1.059	37.475	0.057	2.023	0.053	1.863
15	18	36%	14%	0%	11%	5%	0%	2%	0%	7%	7%	7%	5%	5%	0%	0%	0%	56	590	LD	25	50	23	77	1	1.103	36.448	0.059	1.955	0.054	1.800
15	19	36%	16%	0%	11%	7%	0%	2%	0%	7%	7%	7%	4%	4%	0%	0%	0%	45	590	LD	25	50	23	78	1	1.031	27.366	0.054	1.438	0.050	1.324
15	20	36%	17%	0%	11%	6%	0%	0%	0%	8%	6%	6%	6%	6%	0%	0%	0%	36	590	LD	25	50	23	79	1	1.023	21.737	0.054	1.157	0.050	1.066
15	21	37%	20%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	30	590	LD	25	50	23	80	1	0.839	14.854	0.043	0.762	0.040	0.701
15	22	37%	20%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	30	590	LD	25	50	23	81	1	0.836	14.798	0.043	0.762	0.040	0.701
15	23	39%	19%	0%	8%	4%	0%	0%	0%	8%	8%	8%	4%	4%	0%	0%	0%	26	590	LD	25	50	23	81	1	0.846	12.981	0.046	0.699	0.042	0.644
16	0	28%	22%	0%	10%	6%	2%	5%	7%	5%	4%	2%	2%	2%	1%	5%	2%	176	200	LD	24	50	23	82	1	1.200	42.226	0.048	1.685	0.044	1.549
16	1	27%	22%	0%	9%	6%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	104	200	LD	25	50	22	82	1	1.199	24.929	0.047	0.984	0.044	0.905
16	2	27%	22%	0%	9%	6%	2%	6%	7%	4%	4%	3%	2%	2%	0%	4%	3%	68	200	LD	25	50	22	83	1	1.169	15.902	0.047	0.638	0.043	0.587
16	3	27%	22%	0%	9%	6%	2%	6%	8%	5%	5%	3%	2%	2%	0%	5%	2%	67	200	LD	25	50	22	83	1	1.182	15.834	0.047	0.635	0.044	0.584
16	4	26%	22%	0%	9%	6%	1%	6%	7%	4%	4%	3%	3%	3%	0%	4%	1%	69	200	LD	25	50	22	83	1	1.287	17.754	0.054	0.746	0.050	0.686
16	5	24%	21%	0%	9%	6%	1%	6%	7%	4%	4%	3%	3%	3%	0%	4%	4%	70	200	LD	25	50	22	83	1	1.291	18.075	0.054	0.757	0.050	0.696
16	6	25%	22%	0%	9%	5%	2%	6%	7%	5%	4%	3%	2%	2%	1%	4%	2%	205	200	LD	24	50	22	83	1	1.329	54.493	0.055	2.246	0.050	2.065
16	7	25%	22%	0%	8%	5%	2%	6%	7%	5%	4%	3%	3%	3%	0%	4%	2%	379	200	LD	22	50	22	82	1	1.411	106.921	0.061	4.588	0.056	4.218
16	8	24%	22%	0%	9%	6%	2%	6%	7%	5%	4%	4%	3%	3%	0%	4%	2%	491	200	LD	21	50	23	79	1	1.441	141.498	0.063	6.222	0.058	5.720
16	9	25%	22%	0%	9%	6%	2%	6%	7%	5%	4%	3%	2%	2%	0%	4%	2%	417	200	LD	22	50	23	77	1	1.385	115.494	0.059	4.909	0.054	4.513
16	10	25%	22%	0%	10%	6%	2%	6%	7%	5%	4%	3%	2%	2%	0%	4%	2%	392	200	LD	22	50	24	74	1	1.365	106.988	0.058	4.537	0.053	4.171
16	11	26%	22%	0%	10%	6%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	355	200	LD	23	50	25	72	1	1.270	90.187	0.053	3.742	0.048	3.439
16	12	26%	21%	0%	10%	6%	2%	6%	7%	5%	4%	3%	2%	2%	0%	5%	2%	398	200	LD	22	50	25	71	1	1.337	106.461	0.056	4.459	0.051	4.099
16	13	28%	22%	0%	10%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	389	200	LD	22	50	25	71	1	1.306	101.574	0.053	4.128	0.049	3.795
16	14	28%	21%	0%	11%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	394	200	LD	22	50	25	71	1	1.264	99.592	0.051	3.996	0.047	3.674
16	15	28%	21%	0%	11%	7%	2%	4%	7%	5%	4%	2%	1%	1%	1%	5%	2%	438	200	LD	22	50	25	72	1	1.247	109.252	0.049	4.257	0.045	3.913
16	16	29%	21%	0%	11%	7%	1%	4%	7%	5%	4%	2%	1%	1%	1%	5%	2%	434	200	LD	22	50	24	74	1	1.225	106.296	0.046	4.011	0.042	3.688
16	17	30%	21%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	462	200	LD	22	50	24	76	1	1.190	109.963	0.044	4.103	0.041	3.773
16	18	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	1%	5%	2%	422	200	LD	22	50	23	77	1	1.220	102.950	0.046	3.842	0.042	3.532
16	19	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	349	200	LD	23	50	23	78	1	1.165	81.335	0.044	3.041	0.040	2.795
16	20	29%	22%	0%	11%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	283	200	LD	23	50	23	79	1	1.191	67.407	0.046	2.581	0.042	2.372
16	21	28%	21%	0%	11%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	257	200	LD	24	50	23	80	1	1.206	61.972	0.047	2.441	0.044	2.244
16	22	28%	22%	0%	9%	5%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	244	200	LD	24	50	23	81	1	1.196	58.368	0.047	2.290	0.043	2.105
16	23	28%	22%	0%	9%	6%	2%	5%	7%	5%	4%	2%	1%	2%	1%	5%	2%	208	200	LD	24	50	23	81	1	1.205	50.132	0.047	1.962	0.043	1.803
17	0	24%	22%	0%	12%	7%	1%	4%	7%	4%	2%	4%	2%	2%	0%	8%	1%	85	200	LD	25	50	23	82	1	1.413	24.021	0.051	0.868	0.047	0.799
17	1	27%	20%	0%	11%	7%	2%	4%	7%	4%	2%	4%	2%	2%	0%	7%	2%	55	200	LD	25	50	22	82	1	1.327	14.599	0.048	0.528	0.044	0.486
17	2	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	1.331	8.519	0.051	0.325	0.047	0.299
17	3	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	1.331	8.519	0.051	0.325	0.047	0.299
17	4	23%	23%	0%	13%	10%	0%	3%	7%	3%	3%	3%	0%	0%	0%	7%	3%	30	200	LD	25	50	22	83	1	1.133	6.801	0.036	0.219	0.033	0.201
17	5	25%	21%	0%	14%	11%	0%	4%	7%	4%	4%	4%	0%	0%	0%	7%	0%	28	200	LD	25	50	22	83	1	1.181	6.611	0.039	0.216	0.035	0.199

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
17	6	22%	20%	0%	14%	9%	3%	9%	7%	3%	3%	1%	1%	1%	0%	6%	1%	97	200	LD	25	50	22	83	1	1.409	27.335	0.053	1.034	0.049	0.952
17	7	24%	19%	1%	18%	11%	1%	4%	7%	3%	3%	1%	1%	1%	1%	5%	2%	178	200	LD	24	50	22	82	1	1.195	42.559	0.043	1.520	0.039	1.397
17	8	22%	18%	1%	20%	12%	1%	4%	7%	4%	3%	0%	0%	0%	0%	5%	2%	229	200	LD	24	50	23	79	1	1.145	52.464	0.041	1.893	0.038	1.739
17	9	23%	19%	1%	18%	11%	1%	4%	8%	4%	3%	1%	1%	1%	1%	6%	3%	199	200	LD	24	50	23	77	1	1.237	49.217	0.044	1.759	0.041	1.616
17	10	24%	20%	1%	16%	9%	1%	3%	7%	3%	3%	2%	1%	1%	1%	6%	3%	181	200	LD	24	50	24	74	1	1.258	45.529	0.044	1.602	0.041	1.472
17	11	23%	20%	1%	15%	9%	1%	3%	7%	4%	3%	2%	2%	2%	1%	6%	3%	173	200	LD	24	50	25	72	1	1.309	45.307	0.048	1.645	0.044	1.511
17	12	24%	21%	1%	13%	7%	1%	3%	7%	3%	3%	3%	2%	2%	1%	7%	3%	190	200	LD	24	50	25	71	1	1.392	52.907	0.050	1.884	0.046	1.730
17	13	23%	21%	1%	14%	8%	1%	4%	6%	3%	3%	3%	3%	3%	1%	7%	2%	204	200	LD	24	50	25	71	1	1.475	60.193	0.054	2.199	0.050	2.021
17	14	23%	21%	1%	12%	7%	1%	4%	6%	3%	2%	3%	2%	2%	1%	8%	2%	205	200	LD	24	50	25	71	1	1.471	60.300	0.053	2.173	0.049	1.996
17	15	23%	21%	1%	11%	6%	1%	4%	6%	3%	3%	4%	3%	3%	0%	8%	3%	236	200	LD	24	50	25	72	1	1.546	72.975	0.058	2.714	0.053	2.494
17	16	24%	22%	1%	10%	6%	1%	3%	6%	3%	3%	4%	3%	3%	0%	9%	3%	236	200	LD	24	50	24	74	1	1.566	73.915	0.055	2.619	0.051	2.407
17	17	23%	22%	0%	9%	5%	1%	2%	6%	3%	2%	5%	3%	3%	1%	9%	3%	263	200	LD	23	50	24	76	1	1.648	86.678	0.059	3.098	0.054	2.846
17	18	24%	23%	0%	9%	5%	1%	3%	6%	3%	3%	5%	3%	3%	1%	9%	3%	233	200	LD	24	50	23	77	1	1.629	75.907	0.057	2.657	0.052	2.442
17	19	24%	23%	0%	9%	5%	1%	3%	6%	3%	3%	5%	3%	3%	1%	9%	2%	187	200	LD	24	50	23	78	1	1.593	59.579	0.056	2.108	0.052	1.938
17	20	24%	22%	0%	10%	6%	1%	3%	7%	3%	3%	4%	3%	3%	1%	9%	1%	148	200	LD	25	50	23	79	1	1.554	46.005	0.055	1.629	0.051	1.499
17	21	23%	22%	0%	12%	6%	1%	3%	7%	3%	2%	4%	3%	3%	1%	9%	2%	129	200	LD	25	50	23	80	1	1.530	39.480	0.054	1.405	0.050	1.293
17	22	24%	23%	0%	11%	7%	1%	3%	7%	3%	2%	4%	2%	2%	1%	8%	2%	124	200	LD	25	50	23	81	1	1.437	35.648	0.050	1.251	0.046	1.151
17	23	24%	22%	0%	11%	7%	1%	3%	7%	3%	3%	4%	3%	3%	1%	8%	3%	105	200	LD	25	50	23	81	1	1.464	30.738	0.052	1.102	0.048	1.013
18	0	27%	23%	0%	9%	5%	2%	5%	9%	5%	5%	2%	2%	2%	0%	5%	2%	132	250	LD	25	50	23	82	1	1.099	36.253	0.044	1.466	0.041	1.348
18	1	27%	23%	0%	9%	5%	1%	4%	9%	5%	5%	3%	1%	1%	0%	5%	1%	78	250	LD	25	50	22	82	1	1.116	21.754	0.042	0.828	0.039	0.762
18	2	25%	23%	0%	10%	6%	2%	4%	10%	6%	4%	2%	2%	2%	0%	4%	2%	52	250	LD	25	50	22	83	1	1.103	14.337	0.045	0.590	0.042	0.543
18	3	25%	25%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	53	250	LD	25	50	22	83	1	1.103	14.619	0.045	0.597	0.041	0.549
18	4	25%	25%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	53	250	LD	25	50	22	83	1	1.103	14.619	0.045	0.597	0.041	0.549
18	5	23%	25%	0%	10%	6%	2%	4%	10%	6%	4%	2%	2%	2%	0%	4%	2%	52	250	LD	25	50	22	83	1	1.110	14.433	0.045	0.589	0.042	0.541
18	6	22%	25%	0%	9%	6%	2%	4%	9%	6%	4%	3%	2%	2%	1%	4%	2%	158	250	LD	24	50	22	83	1	1.245	49.169	0.049	1.945	0.045	1.788
18	7	21%	25%	0%	9%	6%	2%	5%	9%	6%	5%	3%	2%	2%	0%	4%	2%	293	250	LD	23	50	22	82	1	1.292	94.664	0.053	3.851	0.048	3.540
18	8	21%	25%	0%	9%	5%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	368	250	LD	22	50	23	79	1	1.343	123.585	0.055	5.086	0.051	4.676
18	9	22%	25%	0%	9%	5%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	319	250	LD	23	50	23	77	1	1.285	102.507	0.051	4.102	0.047	3.771
18	10	23%	24%	0%	9%	6%	2%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	292	250	LD	23	50	24	74	1	1.235	90.155	0.050	3.638	0.046	3.344
18	11	24%	24%	0%	9%	5%	2%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	267	250	LD	23	50	25	72	1	1.216	81.168	0.049	3.293	0.045	3.027
18	12	25%	23%	0%	9%	5%	1%	4%	9%	5%	4%	2%	2%	2%	0%	5%	2%	295	250	LD	23	50	25	71	1	1.212	89.349	0.049	3.587	0.045	3.297
18	13	27%	23%	0%	9%	5%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	295	250	LD	23	50	25	71	1	1.166	85.973	0.046	3.409	0.042	3.134
18	14	28%	22%	0%	9%	5%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	296	250	LD	23	50	25	71	1	1.159	85.760	0.046	3.405	0.042	3.130
18	15	29%	22%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	323	250	LD	23	50	25	72	1	1.102	88.989	0.043	3.501	0.040	3.219
18	16	30%	21%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	325	250	LD	23	50	24	74	1	1.107	89.945	0.043	3.513	0.040	3.229
18	17	31%	21%	0%	9%	5%	1%	4%	9%	5%	4%	1%	1%	1%	0%	5%	1%	351	250	LD	23	50	24	76	1	1.074	94.256	0.041	3.640	0.038	3.347
18	18	31%	21%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	324	250	LD	23	50	23	77	1	1.087	88.025	0.042	3.369	0.038	3.097
18	19	30%	21%	0%	9%	6%	2%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	271	250	LD	24	50	23	78	1	1.100	74.529	0.042	2.821	0.038	2.593
18	20	29%	21%	1%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	1%	5%	1%	216	250	LD	24	50	23	79	1	1.128	60.892	0.044	2.360	0.040	2.170
18	21	29%	22%	0%	9%	5%	2%	4%	9%	5%	4%	2%	1%	1%	1%	5%	2%	187	250	LD	24	50	23	80	1	1.101	51.455	0.042	1.954	0.038	1.797
18	22	28%	22%	0%	9%	5%	2%	4%	9%	5%	4%	2%	1%	2%	1%	5%	2%	187	250	LD	24	50	23	81	1	1.151	53.822	0.045	2.084	0.041	1.916
18	23	27%	22%	0%	9%	6%	1%	4%	9%	6%	4%	2%	1%	1%	1%	5%	2%	162	250	LD	24	50	23	81	1	1.145	46.357	0.044	1.765	0.040	1.622
19	0	24%	22%	0%	12%	6%	0%	2%	12%	4%	4%	4%	2%	2%	0%	6%	2%	51	250	LD	25	50	23	82	1	1.189	15.154	0.047	0.599	0.043	0.551
19	1	22%	22%	0%	13%	6%	0%	3%	13%	3%	3%	3%	3%	3%	0%	6%	0%	32	250	LD	25	50	22	82	1	1.380	11.042	0.055	0.438	0.050	0.403
19	2	25%	20%	0%	15%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.967	4.834	0.035	0.175	0.032	0.161
19	3	24%	24%	0%	14%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	21	250	LD	25	50	22	83	1	0.945	4.959	0.033	0.175	0.031	0.161
19	4	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	1.075	5.377	0.037	0.185	0.034	0.170
19	5	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	1.075	5.377	0.037	0.185	0.034	0.170
19	6	21%	24%	0%	15%	8%	2%	3%	11%	5%	3%	2%	0%	0%	0%	5%	2%	62	250	LD	25	50	22	83	1	1.025	15.890	0.037	0.576	0.034	0.529
19	7	21%	25%	0%	15%	9%	1%	3%	12%	5%	4%	1%	0%	0%	0%	5%	1%	112	250	LD	25	50	22	82	1	0.987	27.630	0.035	0.979	0.032	0.901
19	8	21%	26%	1%	15%	9%	1%	3%	12%	4%	4%	0%	0%	0%	0%	4%	1%	143	250	LD	25	50	23	79	1	0.954	34.092	0.034	1.208	0.031	1.112
19	9	21%	24%	0%	15%	9%	1%	2%	12%	4%	3%	1%	1%	1%	0%	5%	1%	123	250	LD	25	50	23	77	1	1.073	33.006	0.039	1.198	0.036	1.103
19	10	21%	24%	0%	14%	8%	1%	3%	12%	5%	4%	2%	1%	1%	0%	5%	1%	112	250	LD	25	50	24	74	1	1.061	29.716	0.041	1.138	0.037	1.048
19	11	22%	22%	0%	13%	8%	1%	2%	12%	4%	4%	3%	2%	2%	0%	5%	1%	103	250	LD	25	50	25	72	1	1.151	29.646	0.046	1.190	0.043	1.095
19	12	22%	21%	0%	12%	7%	1%	3%	11%	4%	4%	4%	3%	3%	0%	5%	1%	114	250	LD	25	50	25	71	1	1.261	35.947	0.052	1.477	0.048	1.359
19	13	23%	20%	0%	11%	7%	1%	2%	11%	4%	4%	4%	3%	3%	0%	6%	1%	114	250	LD	25	50	25	71	1	1.290	36.776	0.052	1.477	0.048	1.359
19	14	23%	19%	0%	10%	6%	1%	2%	11%	4%	4%	5%	4%	4%	1%	6%	1%	115	250	LD	25	50	25	71	1	1.423	40.921	0.058	1.654	0.053	1.523
19	15	23%	18%	0%	10%	6%	1%	2%	12%	4%	3%	6%	4%	4%	1%	6%	2%	125	250	LD	25	50	25	72	1	1.469	45.891	0.061	1.900	0.056	1.748
19	16	24%	17%	0%	9%	5%	1%	2%	12%	4%	3%	6%	5%	5%	1%	7%	2%	127	250	LD	25	50	24	74	1	1.585	50.313	0.065	2.076	0.060	1.909
19	17	24%	15%	0%	7%	4%	1%	2%	12%	4%	4%	7%	5%	5%	1%	7%	2%	137	250	LD	25	50	24	76	1	1.616	55.357	0.068	2.341	0.063	2.154
19	18	24%	16%	0%	8%	5%	1%	2%	12%	4%	3%	7%	5%	5%	1%	7%	2%	126	250	LD	25	50	23	77	1	1.618	50.964	0.067	2.110	0.062	1.941
19	19	23%	17%	0%	8%	5%	1%	2%	11%	4%	4%	7%	5%	5%	1%	7%	2%	107	250	LD	25	50	23	78	1	1.575	42.144	0.066	1.756	0.060	1.615
19	20	23%	17%	0%	9%	6%	1%	2%	11%	5%	3%	6%	5%	5%	0%	7%	1%	88	250	LD	25	50	23	79	1	1.534	33.745	0.065	1.426	0.060	1.312
19	21	23%	18%	0%	10%	5%	1%	1%	12%	4%	4%	5%	4%	4%	0%	7%	1%	74	250	LD	25	50	23	80	1	1.470	27.189	0.062	1.139	0.057	1.048
19	22	23%	19%	0%	9%	5%	1%	1%	12%	4%	4%	5%	4%	4%	0%	7%	1%	75	250	LD	25	50	23	81	1	1.437	26.951	0.060	1.126	0.055	1.036
19	23	23%	19%	0%	11%	7%	0%	2%	11%	5%	3%	5%	3%	3%	0%	7%	2%	62	250	LD	25	50	23	81	1	1.342	20.808	0.054	0.843	0.050	0.776
20	0	31%	28%	0%	10%	6%	1%	3%	8%	3%	3%	1%	1%	1%	0%	4%	3%	151	310	LD	24	50	23	82	1	0.902	42.217	0.033	1.534	0.030	1.409
20	1	30%	29%	0%	10%	6%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	2%	90	310	LD	25	50	22	82	1	0.856	23.895	0.028	0.781	0.026	0.718
20	2	29%	29%	0%	10%	7%	2%	3%	9%	3%	3%	0%	0%	0%	0%	3%	2%	59	310	LD	25	50	22	83	1	0.853	15.605	0.030	0.545	0.027	0.502
20	3	28%	30%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	60	310	LD	25	50	22	83	1	0.842	15.653	0.029	0.542	0.027	0.499
20	4	28%	30%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	60	310	LD	25	50	22	83	1	0.842	15.653	0.029	0.542	0.027	0.499
20	5	27%	31%	0%	10%	7%	2%	3%	9%	3%	3%	0%	0%	0%	0%	3%	2%	59	310	LD	25	50	22	83	1	0.860	15.725	0.030	0.543	0.027	0.500
20	6	27%	31%	1%	11%	6%	1%	3%	9%	3%	3%	1%	1%	1%	0%	4%	1%	177	310	LD	23	50	22	83	1	0.971	53.301	0.035	1.919	0.032	1.764
20	7	26%	31%	0%	11%	6%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	1%	326	310	LD	21	50	22	82	1	1.020	103.091	0.036	3.628	0.033	3.337
20	8	25%	31%	0%	11%	7%	1%	3%	9%	4%	3%	1%	1%	1%	0%	4%	1%	412	310	LD	20	50	23	79	1	1.054	134.565	0.039	4.933	0.036	4.539
20	9	26%	31%	0%	11%	7%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	1%	356	310	LD	21	50	23	77	1	0.998	110.183	0.035	3.882	0.032	3.569
20	10	27%	30%	0%	11%	6%	1%	2%	8%	4%	3%	1%	0%	0%	0%	4%	2%	328	310	LD	21	50	24	74	1	0.987	100.330	0.035	3.542	0.032	3.256
20	11	28%	29%	0%	10%	6%	1%	3%	8%	3%	3%	1%	0%	0%	0%	4%	2%	301	310	LD	22	50	25	72	1	0.955	89.136	0.034	3.193	0.031	2.934
20	12	30%	29%	0%	10%	6%	1%	2%	8%	3%	3%	1%	0%	1%	0%	4%	2%	331	310	LD	21	50	25	71	1	0.976	100.143	0.035	3.626	0.032	3.332
20	13	31%	28%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	2%	333	310	LD	21	50	25	71	1	0.978	100.908	0.036	3.706	0.033	3.405
20	14	32%	27%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	337	310	LD	21	50	25	71	1	0.994	103.804	0.036	3.770	0.033	3.463
20	15	32%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	371	310	LD	21	50	25	72	1	0.958	110.195	0.035	4.067	0.032	3.735
20	16	33%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	373	310	LD	21	50	24	74	1	0.962	111.241	0.035	4.054	0.032	3.721
20	17	34%	25%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	406	310	LD	20	50	24	76	1	0.969	121.979	0.036	4.491	0.033	4.124
20	18	34%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	373	310	LD	21	50	23	77	1	0.963	111.328	0.035	4.039	0.032	3.707
20	19	33%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	311	310	LD	22	50	23	78	1	0.956	92.195	0.034	3.301	0.031	3.030
20	20	32%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	3%	247	310	LD	22	50	23	79	1	0.935	71.619	0.033	2.552	0.031	2.342
20	21	32%	27%	1%	9%	6%	1%	2%	8%	3%	3%	1%	1%	1%	1%	4%	3%	215	310	LD	23	50	23	80	1	0.937	62.460	0.032	2.164	0.030	1.987
20	22	31%	27%	1%	9%	6%	1%	2%	8%	3%	3%	1%	1%	1%	1%	4%	3%	214	310	LD	23	50	23	81	1	0.936	62.070	0.032	2.150	0.030	1.974
20	23	31%	28%	0%	9%	6%	1%	2%	8%	3%	3%	1%	1%	1%	1%	4%	3%	181	310	LD	23	50	23	81	1	0.937	52.586	0.033	1.865	0.031	1.712
21	0	21%	21%	0%	10%	6%	0%	0%	21%	4%	4%	4%	2%	2%	0%	6%	0%	52	310	LD	25	50	23	82	1	1.154	18.602	0.048	0.770	0.044	0.709
21	1	21%	21%	0%	9%	6%	0%	0%	21%	3%	3%	3%	3%	3%	0%	6%	0%	33	310	LD	25	50	22	82	1	1.290	13.193	0.053	0.539	0.048	0.496
21	2	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.869	5.654	0.033	0.212	0.030	0.195
21	3	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.869	5.654	0.033	0.212	0.030	0.195
21	4	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.906	5.619	0.034	0.209	0.031	0.193
21	5	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.906	5.619	0.034	0.209	0.031	0.193
21	6	21%	24%	0%	11%	7%	0%	0%	23%	5%	5%	0%	0%	0%	0%	5%	0%	62	310	LD	25	50	22	83	1	0.901	17.324	0.033	0.636	0.030	0.586
21	7	20%	25%	0%	12%	7%	0%	1%	22%	5%	4%	0%	0%	0%	0%	4%	0%	118	310	LD	24	50	22	82	1	0.915	33.458	0.035	1.292	0.033	1.189
21	8	20%	24%	0%	12%	7%	0%	1%	22%	5%	5%	0%	0%	0%	0%	4%	0%	153	310	LD	24	50	23	79	1	0.892	42.307	0.035	1.678	0.033	1.544
21	9	20%	23%	0%	11%	7%	0%	1%	22%	5%	5%	1%	1%	1%	0%	4%	0%	133	310	LD	24	50	23	77	1	0.979	40.350	0.041	1.680	0.037	1.546
21	10	21%	23%	0%	11%	7%	0%	0%	22%	5%	4%	1%	1%	1%	0%	4%	0%	118	310	LD	24	50	24	74	1	0.961	35.148	0.039	1.438	0.036	1.323
21	11	22%	22%	0%	10%	7%	0%	0%	22%	5%	4%	2%	1%	1%	0%	5%	1%	107	310	LD	24	50	25	72	1	0.997	33.075	0.041	1.361	0.038	1.252
21	12	21%	22%	0%	10%	6%	0%	0%	21%	5%	4%	3%	2%	2%	0%	5%	1%	120	310	LD	24	50	25	71	1	1.098	40.837	0.046	1.714	0.042	1.577
21	13	22%	22%	0%	10%	6%	0%	0%	21%	4%	3%	3%	2%	3%	0%	5%	1%	116	310	LD	24	50	25	71	1	1.162	41.792	0.049	1.752	0.045	1.611
21	14	22%	21%	0%	9%	5%	0%	0%	21%	4%	3%	3%	3%	3%	0%	6%	1%	116	310	LD	24	50	25	71	1	1.243	44.688	0.052	1.877	0.048	1.726
21	15	22%	19%	0%	9%	5%	0%	0%	20%	4%	3%	4%	3%	3%	1%	6%	2%	129	310	LD	24	50	25	72	1	1.346	53.821	0.056	2.233	0.051	2.053
21	16	22%	19%	0%	8%	5%	0%	0%	20%	4%	3%	5%	3%	3%	1%	6%	2%	127	310	LD	24	50	24	74	1	1.372	54.018	0.056	2.224	0.052	2.044
21	17	23%	18%	0%	7%	4%	0%	0%	20%	4%	3%	5%	4%	4%	1%	7%	2%	137	310	LD	24	50	24	76	1	1.419	60.270	0.060	2.536	0.055	2.331
21	18	22%	19%	0%	8%	5%	0%	0%	19%	4%	3%	5%	4%	4%	1%	6%	2%	129	310	LD	24	50	23	77	1	1.457	58.251	0.061	2.435	0.056	2.239
21	19	22%	20%	0%	8%	5%	0%	0%	20%	4%	4%	5%	4%	4%	0%	7%	1%	107	310	LD	24	50	23	78	1	1.402	46.501	0.059	1.974	0.055	1.815
21	20	22%	20%	0%	8%	5%	0%	0%	20%	4%	4%	5%	4%	4%	0%	6%	1%	86	310	LD	25	50	23	79	1	1.303	34.730	0.056	1.498	0.052	1.379
21	21	22%	20%	0%	8%	5%	0%	0%	20%	4%	4%	4%	3%	3%	0%	5%	1%	74	310	LD	25	50	23	80	1	1.205	27.636	0.051	1.180	0.047	1.086
21	22	21%	20%	0%	9%	5%	0%	0%	20%	4%	4%	4%	3%	3%	0%	5%	1%	75	310	LD	25	50	23	81	1	1.193	27.733	0.051	1.195	0.047	1.100
21	23	23%	21%	0%	10%	5%	0%	0%	21%	5%	3%	3%	2%	2%	0%	5%	2%	62	310	LD	25	50	23	81	1	1.036	19.918	0.044	0.849	0.041	0.781
22	0	24%	22%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	101	330	LD	24	50	23	82	1	0.952	31.716	0.038	1.255	0.035	1.152
22	1	23%	21%	0%	11%	7%	0%	2%	11%	7%	7%	2%	2%	2%	0%	5%	3%	62	330	LD	25	50	22	82	1	1.073	21.951	0.041	0.837	0.038	0.769
22	2	23%	21%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.914	11.765	0.032	0.415	0.030	0.382
22	3	23%	21%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.914	11.765	0.032	0.415	0.030	0.382
22	4	24%	21%	0%	13%	8%	0%	0%	11%	8%	5%	3%	0%	0%	0%	5%	3%	38	330	LD	25	50	22	83	1	0.916	11.490	0.031	0.390	0.029	0.358
22	5	24%	21%	0%	13%	8%	0%	0%	11%	8%	5%	3%	0%	0%	0%	5%	3%	38	330	LD	25	50	22	83	1	0.916	11.490	0.031	0.390	0.029	0.358
22	6	23%	21%	0%	13%	7%	0%	1%	12%	8%	6%	2%	1%	1%	0%	4%	3%	112	330	LD	24	50	22	83	1	0.937	34.614	0.037	1.383	0.034	1.271
22	7	23%	20%	1%	12%	7%	0%	1%	12%	8%	6%	2%	1%	1%	1%	4%	2%	202	330	LD	23	50	22	82	1	1.022	68.131	0.039	2.602	0.036	2.391
22	8	22%	20%	0%	12%	7%	0%	1%	12%	8%	7%	2%	1%	1%	0%	4%	2%	255	330	LD	22	50	23	79	1	1.068	89.890	0.043	3.622	0.040	3.329
22	9	23%	20%	0%	12%	7%	0%	1%	12%	8%	6%	2%	1%	1%	0%	4%	2%	226	330	LD	23	50	23	77	1	1.065	79.435	0.042	3.145	0.039	2.890
22	10	23%	21%	1%	12%	7%	1%	1%	12%	8%	6%	1%	1%	1%	1%	4%	2%	210	330	LD	23	50	24	74	1	1.019	70.642	0.040	2.776	0.037	2.550
22	11	23%	21%	1%	12%	7%	1%	1%	12%	7%	6%	2%	1%	1%	1%	4%	3%	198	330	LD	23	50	25	72	1	1.022	66.792	0.040	2.620	0.037	2.406
22	12	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	224	330	LD	23	50	25	71	1	1.045	77.269	0.042	3.073	0.038	2.823
22	13	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	229	330	LD	23	50	25	71	1	1.080	81.621	0.042	3.179	0.039	2.920
22	14	23%	21%	0%	12%	7%	0%	1%	11%	6%	6%	2%	1%	1%	0%	4%	3%	234	330	LD	22	50	25	71	1	1.108	85.546	0.044	3.366	0.040	3.092
22	15	23%	21%	0%	12%	7%	0%	2%	11%	7%	5%	2%	1%	1%	0%	4%	3%	260	330	LD	22	50	25	72	1	1.089	93.408	0.043	3.690	0.039	3.389

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
22	16	23%	21%	0%	12%	7%	0%	2%	11%	6%	5%	2%	1%	1%	0%	5%	3%	267	330	LD	22	50	24	74	1	1.111	97.902	0.043	3.773	0.039	3.465
22	17	23%	22%	0%	12%	7%	1%	2%	10%	6%	5%	2%	1%	1%	0%	4%	3%	298	330	LD	22	50	24	76	1	1.116	109.734	0.044	4.340	0.041	3.986
22	18	23%	22%	0%	12%	7%	0%	2%	10%	6%	5%	2%	1%	1%	0%	4%	3%	270	330	LD	22	50	23	77	1	1.111	99.009	0.043	3.795	0.039	3.485
22	19	23%	21%	0%	12%	7%	0%	1%	10%	6%	5%	2%	1%	1%	0%	5%	3%	223	330	LD	23	50	23	78	1	1.100	80.920	0.042	3.086	0.039	2.834
22	20	24%	21%	1%	12%	7%	1%	1%	11%	6%	5%	2%	1%	1%	1%	4%	3%	174	330	LD	23	50	23	79	1	1.047	60.140	0.040	2.322	0.037	2.132
22	21	23%	21%	0%	12%	7%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	150	330	LD	24	50	23	80	1	1.015	50.263	0.041	2.016	0.037	1.852
22	22	23%	21%	0%	12%	7%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	148	330	LD	24	50	23	81	1	1.036	50.594	0.042	2.045	0.038	1.878
22	23	23%	21%	0%	12%	7%	1%	2%	11%	6%	6%	2%	2%	2%	0%	4%	3%	126	330	LD	24	50	23	81	1	1.050	43.642	0.043	1.786	0.039	1.640
23	0	35%	9%	0%	11%	7%	2%	4%	0%	2%	2%	7%	4%	4%	0%	9%	4%	46	330	LD	25	50	23	82	1	1.622	24.627	0.065	0.981	0.059	0.902
23	1	44%	7%	0%	11%	7%	0%	4%	0%	4%	0%	4%	4%	4%	0%	7%	4%	27	330	LD	25	50	22	82	1	1.372	12.223	0.053	0.469	0.048	0.431
23	2	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	1.704	8.995	0.075	0.398	0.069	0.366
23	3	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	1.704	8.995	0.075	0.398	0.069	0.366
23	4	43%	7%	0%	14%	7%	0%	7%	0%	0%	0%	7%	0%	0%	0%	7%	7%	14	330	LD	25	50	22	83	1	1.189	5.492	0.044	0.203	0.040	0.186
23	5	39%	8%	0%	15%	8%	0%	8%	0%	0%	0%	8%	0%	0%	0%	8%	8%	13	330	LD	25	50	22	83	1	1.285	5.511	0.047	0.202	0.043	0.185
23	6	34%	2%	0%	14%	7%	7%	19%	0%	2%	2%	2%	2%	2%	0%	4%	2%	47	330	LD	25	50	22	83	1	1.698	26.330	0.078	1.206	0.072	1.109
23	7	39%	2%	0%	20%	12%	3%	8%	0%	4%	2%	2%	1%	1%	0%	2%	2%	84	330	LD	25	50	22	82	1	1.128	31.268	0.051	1.414	0.047	1.301
23	8	34%	1%	0%	26%	15%	3%	7%	0%	3%	3%	2%	1%	1%	0%	1%	4%	109	330	LD	25	50	23	79	1	1.061	38.156	0.050	1.809	0.046	1.662
23	9	35%	3%	0%	21%	13%	2%	6%	0%	3%	2%	3%	2%	2%	0%	3%	4%	95	330	LD	25	50	23	77	1	1.239	38.827	0.055	1.711	0.050	1.572
23	10	36%	5%	0%	17%	10%	2%	7%	0%	2%	2%	3%	2%	2%	0%	6%	6%	89	330	LD	25	50	24	74	1	1.345	39.498	0.055	1.618	0.051	1.486
23	11	34%	5%	0%	16%	10%	2%	5%	0%	2%	2%	4%	3%	3%	0%	7%	5%	92	330	LD	25	50	25	72	1	1.467	44.526	0.060	1.831	0.055	1.682
23	12	34%	7%	0%	13%	8%	2%	5%	0%	2%	2%	5%	4%	4%	1%	8%	6%	102	330	LD	24	50	25	71	1	1.667	56.098	0.065	2.179	0.059	1.999
23	13	31%	7%	0%	15%	10%	2%	6%	0%	2%	1%	5%	3%	3%	1%	9%	5%	116	330	LD	24	50	25	71	1	1.734	66.359	0.066	2.519	0.060	2.312
23	14	30%	8%	0%	14%	8%	2%	5%	0%	2%	1%	6%	4%	4%	1%	10%	6%	123	330	LD	24	50	25	71	1	1.845	74.881	0.069	2.816	0.064	2.584
23	15	31%	8%	0%	12%	7%	2%	6%	0%	1%	1%	6%	4%	4%	1%	11%	6%	143	330	LD	24	50	25	72	1	1.903	89.803	0.072	3.385	0.066	3.106
23	16	31%	10%	0%	11%	7%	1%	3%	0%	1%	1%	7%	5%	5%	1%	12%	6%	146	330	LD	24	50	24	74	1	1.944	93.670	0.070	3.370	0.064	3.092
23	17	30%	10%	0%	11%	7%	1%	3%	0%	1%	1%	7%	5%	5%	1%	12%	8%	169	330	LD	23	50	24	76	1	2.047	114.156	0.073	4.082	0.067	3.745
23	18	31%	11%	0%	9%	6%	1%	4%	0%	1%	1%	7%	5%	5%	1%	13%	6%	141	330	LD	24	50	23	77	1	2.033	94.590	0.071	3.305	0.065	3.033
23	19	32%	10%	0%	10%	5%	1%	4%	0%	1%	1%	7%	5%	5%	1%	13%	5%	112	330	LD	24	50	23	78	1	2.047	75.663	0.073	2.697	0.067	2.476
23	20	32%	9%	0%	12%	7%	1%	3%	0%	1%	1%	7%	5%	5%	1%	12%	5%	87	330	LD	25	50	23	79	1	1.871	53.720	0.066	1.903	0.061	1.749
23	21	32%	9%	0%	12%	7%	1%	4%	0%	1%	1%	7%	4%	5%	1%	11%	5%	76	330	LD	25	50	23	80	1	1.853	46.471	0.067	1.678	0.061	1.541
23	22	34%	9%	0%	10%	6%	2%	4%	0%	2%	2%	6%	4%	4%	2%	12%	4%	68	330	LD	25	50	23	81	1	1.888	42.368	0.066	1.476	0.060	1.356
23	23	32%	8%	0%	10%	7%	2%	5%	0%	2%	2%	7%	5%	5%	0%	10%	7%	60	330	LD	25	50	23	81	1	1.801	35.668	0.070	1.393	0.065	1.279
24	0	19%	21%	0%	9%	5%	1%	3%	15%	7%	6%	4%	3%	3%	0%	5%	1%	81	130	LD	25	50	23	82	1	1.222	12.871	0.053	0.554	0.048	0.510
24	1	20%	22%	0%	9%	4%	0%	2%	16%	9%	7%	2%	2%	2%	0%	4%	0%	45	130	LD	25	50	22	82	1	1.124	6.576	0.047	0.275	0.043	0.253
24	2	18%	21%	0%	9%	6%	0%	3%	15%	6%	6%	3%	3%	3%	0%	6%	0%	33	130	LD	25	50	22	83	1	1.372	5.885	0.055	0.238	0.051	0.219
24	3	16%	22%	0%	9%	6%	0%	3%	16%	6%	6%	3%	3%	3%	0%	6%	0%	32	130	LD	25	50	22	83	1	1.415	5.885	0.057	0.237	0.052	0.218
24	4	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	1.446	5.828	0.059	0.237	0.054	0.218
24	5	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	1.446	5.828	0.059	0.237	0.054	0.218
24	6	17%	20%	0%	9%	6%	1%	2%	16%	8%	7%	3%	2%	2%	0%	6%	1%	89	130	LD	25	50	22	83	1	1.264	14.621	0.052	0.597	0.047	0.549
24	7	16%	21%	0%	9%	6%	1%	2%	17%	8%	6%	3%	3%	3%	1%	6%	1%	159	130	LD	25	50	22	82	1	1.329	27.476	0.053	1.094	0.049	1.007
24	8	15%	20%	1%	10%	6%	1%	2%	17%	8%	6%	4%	3%	3%	1%	5%	1%	202	130	LD	24	50	23	79	1	1.339	35.158	0.056	1.462	0.051	1.345
24	9	17%	21%	0%	10%	6%	1%	2%	17%	8%	6%	3%	2%	2%	1%	5%	1%	176	130	LD	25	50	23	77	1	1.286	29.423	0.052	1.200	0.048	1.105
24	10	17%	21%	0%	9%	6%	1%	2%	16%	8%	6%	3%	2%	2%	1%	6%	1%	164	130	LD	25	50	24	74	1	1.293	27.566	0.052	1.110	0.048	1.021
24	11	17%	21%	0%	9%	5%	1%	3%	16%	8%	7%	3%	2%	3%	1%	5%	1%	155	130	LD	25	50	25	72	1	1.260	25.394	0.051	1.036	0.047	0.954
24	12	18%	21%	0%	9%	5%	1%	2%	15%	8%	6%	3%	2%	2%	1%	5%	1%	174	130	LD	25	50	25	71	1	1.249	28.253	0.051	1.144	0.047	1.052
24	13	19%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	2%	2%	1%	5%	1%	179	130	LD	25	50	25	71	1	1.241	28.880	0.051	1.178	0.047	1.084
24	14	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	2%	2%	1%	5%	1%	182	130	LD	25	50	25	71	1	1.216	28.779	0.050	1.177	0.046	1.083
24	15	21%	22%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	3%	1%	5%	1%	202	130	LD	24	50	25	72	1	1.251	32.859	0.052	1.355	0.047	1.246
24	16	21%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	208	130	LD	24	50	24	74	1	1.248	33.759	0.051	1.390	0.047	1.278
24	17	22%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	1%	228	130	LD	24	50	24	76	1	1.217	36.064	0.050	1.494	0.046	1.374
24	18	22%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	209	130	LD	24	50	23	77	1	1.256	34.128	0.051	1.394	0.047	1.282
24	19	21%	23%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	171	130	LD	25	50	23	78	1	1.221	27.154	0.049	1.093	0.045	1.006
24	20	21%	22%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	2%	135	130	LD	25	50	23	79	1	1.196	20.998	0.049	0.858	0.045	0.789
24	21	21%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	3%	3%	0%	5%	1%	117	130	LD	25	50	23	80	1	1.234	18.773	0.051	0.783	0.047	0.720
24	22	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	4%	3%	3%	0%	5%	1%	115	130	LD	25	50	23	81	1	1.241	18.555	0.052	0.777	0.048	0.715
24	23	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	2%	2%	0%	5%	1%	97	130	LD	25	50	23	81	1	1.212	15.283	0.050	0.633	0.046	0.583
25	0	43%	17%	0%	10%	6%	1%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	97	130	LD	25	50	23	82	1	1.057	13.328	0.040	0.507	0.037	0.466
25	1	46%	15%	0%	10%	7%	2%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	61	130	LD	25	50	22	82	1	1.024	8.121	0.038	0.305	0.035	0.280
25	2	42%	16%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	38	130	LD	25	50	22	83	1	1.112	5.492	0.041	0.204	0.038	0.187
25	3	43%	14%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	37	130	LD	25	50	22	83	1	1.132	5.446	0.043	0.205	0.039	0.189
25	4	44%	14%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	36	130	LD	25	50	22	83	1	0.989	4.631	0.042	0.197	0.039	0.181
25	5	43%	14%	0%	14%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	37	130	LD	25	50	22	83	1	0.977	4.701	0.042	0.202	0.039	0.185
25	6	42%	11%	0%	13%	7%	3%	8%	0%	3%	3%	2%	2%	2%	0%	3%	3%	114	130	LD	25	50	22	83	1	1.083	16.053	0.048	0.708	0.044	0.651
25	7	44%	11%	1%	16%	9%	1%	3%	0%	3%	2%	2%	1%	1%	0%	2%	2%	207	130	LD	25	50	22	82	1	0.853	22.962	0.037	0.992	0.034	0.913
25	8	43%	10%	1%	18%	11%	1%	3%	0%	3%	3%	2%	1%	1%	0%	1%	3%	261	130	LD	24	50	23	79	1	0.798	27.078	0.036	1.215	0.033	1.116
25	9	43%	12%	1%	16%	10%	1%	3%	0%	3%	3%	2%	1%	1%	0%	2%	3%	227	130	LD	24	50	23	77	1	0.877	25.883	0.037	1.097	0.034	1.007
25	10	43%	12%	1%	14%	8%	1%	3%	0%	3%	2%	2%	2%	2%	0%	3%	3%	209	130	LD	25	50	24	74	1	0.936	25.439	0.039	1.064	0.036	0.978
25	11	42%	14%	1%	14%	8%	1%	3%	0%	3%	2%	3%	2%	2%	1%	4%	4%	200	130	LD	25	50	25	72	1	1.019	26.505	0.040	1.030	0.036	0.946
25	12	42%	15%	1%	11%	7%	1%	3%	0%	2%	2%	3%	2%	2%	1%	5%	4%	219	130	LD	24	50	25	71	1	1.109	31.582	0.043	1.224	0.039	1.123
25	13	40%	15%	1%	12%	7%	1%	3%	0%	2%	2%	3%	2%	3%	0%	5%	3%	234	130	LD	24	50	25	71	1	1.186	36.082	0.046	1.388	0.042	1.274
25	14	39%	16%	1%	11%	7%	1%	3%	0%	2%	2%	3%	3%	3%	0%	6%	4%	239	130	LD	24	50	25	71	1	1.230	38.225	0.046	1.429	0.042	1.312
25	15	39%	16%	0%	10%	6%	1%	4%	0%	2%	2%	4%	3%	3%	0%	7%	4%	269	130	LD	24	50	25	72	1	1.310	45.827	0.049	1.699	0.045	1.560
25	16	39%	17%	0%	9%	6%	1%	3%	0%	2%	2%	4%	3%	3%	0%	7%	4%	274	130	LD	24	50	24	74	1	1.337	47.619	0.048	1.703	0.044	1.563
25	17	38%	18%	0%	9%	5%	1%	3%	0%	2%	1%	4%	3%	3%	1%	8%	6%	307	130	LD	24	50	24	76	1	1.377	54.936	0.048	1.921	0.044	1.762
25	18	39%	18%	0%	8%	5%	1%	3%	0%	2%	2%	4%	3%	3%	0%	8%	5%	267	130	LD	24	50	23	77	1	1.382	47.980	0.048	1.671	0.044	1.533
25	19	40%	18%	0%	8%	5%	1%	3%	0%	2%	1%	4%	3%	3%	1%	7%	4%	217	130	LD	24	50	23	78	1	1.373	38.725	0.049	1.385	0.045	1.272
25	20	39%	17%	0%	9%	6%	1%	3%	0%	2%	2%	4%	3%	3%	1%	7%	4%	173	130	LD	25	50	23	79	1	1.296	29.157	0.047	1.047	0.043	0.962
25	21	40%	17%	0%	11%	6%	1%	3%	0%	2%	1%	4%	3%	3%	1%	7%	3%	149	130	LD	25	50	23	80	1	1.258	24.369	0.045	0.872	0.041	0.801
25	22	41%	17%	0%	10%	6%	1%	3%	0%	2%	2%	4%	3%	3%	1%	6%	4%	144	130	LD	25	50	23	81	1	1.225	22.926	0.044	0.833	0.041	0.765
25	23	41%	17%	0%	10%	6%	1%	3%	0%	3%	2%	3%	3%	3%	1%	6%	4%	121	130	LD	25	50	23	81	1	1.160	18.241	0.042	0.660	0.039	0.606
26	0	41%	17%	0%	11%	6%	2%	5%	0%	3%	3%	3%	2%	2%	0%	3%	3%	150	130	DD	29	50	23	82	1	0.885	17.267	0.036	0.710	0.033	0.652
26	1	40%	18%	0%	10%	6%	2%	5%	0%	3%	2%	2%	2%	2%	0%	2%	3%	87	130	DD	30	50	22	82	1	0.884	10.003	0.036	0.403	0.033	0.370
26	2	40%	19%	0%	9%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	5%	58	130	DD	30	50	22	83	1	0.815	6.146	0.034	0.255	0.031	0.234
26	3	40%	19%	0%	9%	5%	2%	5%	0%	4%	4%	4%	2%	2%	0%	2%	4%	57	130	DD	30	50	22	83	1	0.835	6.184	0.035	0.257	0.032	0.236
26	4	39%	20%	0%	9%	5%	2%	5%	0%	4%	4%	4%	2%	2%	0%	2%	4%	56	130	DD	30	50	22	83	1	0.844	6.145	0.035	0.255	0.032	0.234
26	5	38%	19%	0%	9%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	7%	58	130	DD	30	50	22	83	1	0.822	6.200	0.034	0.257	0.031	0.235
26	6	37%	19%	0%	9%	5%	2%	6%	0%	4%	3%	3%	3%	3%	0%	2%	3%	175	130	DD	29	50	22	83	1	0.962	21.879	0.042	0.958	0.039	0.880
26	7	37%	19%	0%	8%	5%	2%	6%	0%	4%	3%	4%	3%	3%	0%	2%	3%	327	130	DD	27	50	22	82	1	1.020	43.371	0.046	1.950	0.042	1.791
26	8	35%	19%	0%	9%	5%	2%	6%	0%	4%	4%	4%	3%	3%	0%	2%	4%	427	130	DD	25	50	23	79	1	1.052	58.406	0.049	2.718	0.045	2.497
26	9	37%	19%	0%	9%	6%	2%	6%	0%	4%	3%	4%	3%	3%	0%	2%	4%	361	130	DD	26	50	23	77	1	1.023	48.007	0.046	2.141	0.042	1.967
26	10	37%	19%	0%	10%	6%	2%	6%	0%	4%	3%	3%	2%	2%	0%	2%	4%	336	130	DD	27	50	24	74	1	0.989	43.183	0.043	1.892	0.040	1.737
26	11	38%	18%	0%	11%	6%	2%	5%	0%	4%	3%	3%	2%	2%	0%	2%	4%	302	130	DD	27	50	25	72	1	0.942	36.971	0.041	1.590	0.037	1.460
26	12	38%	17%	0%	11%	6%	2%	6%	0%	3%	3%	3%	2%	2%	0%	2%	4%	340	130	DD	27	50	25	71	1	0.983	43.453	0.041	1.825	0.038	1.676
26	13	40%	18%	0%	10%	6%	2%	5%	0%	3%	3%	2%	2%	2%	0%	3%	3%	327	130	DD	27	50	25	71	1	0.923	39.233	0.037	1.573	0.034	1.444
26	14	40%	17%	0%	11%	7%	2%	5%	0%	3%	2%	2%	2%	2%	0%	3%	4%	334	130	DD	27	50	25	71	1	0.932	40.454	0.037	1.598	0.034	1.467
26	15	41%	17%	0%	13%	7%	1%	4%	0%	3%	2%	2%	1%	1%	0%	3%	4%	365	130	DD	26	50	25	72	1	0.885	41.970	0.034	1.633	0.032	1.499
26	16	42%	16%	0%	13%	8%	1%	4%	0%	3%	2%	1%	1%	1%	0%	3%	4%	359	130	DD	27	50	24	74	1	0.852	39.740	0.031	1.449	0.028	1.330
26	17	44%	17%	0%	12%	7%	1%	4%	0%	2%	2%	1%	1%	1%	0%	4%	4%	378	130	DD	26	50	24	76	1	0.849	41.727	0.030	1.482	0.028	1.360
26	18	44%	17%	0%	12%	7%	1%	4%	0%	3%	2%	1%	1%	1%	0%	3%	4%	348	130	DD	27	50	23	77	1	0.845	38.207	0.030	1.376	0.028	1.263
26	19	43%	17%	0%	11%	7%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	289	130	DD	27	50	23	78	1	0.866	32.523	0.032	1.186	0.029	1.089
26	20	42%	17%	1%	12%	7%	2%	4%	0%	3%	2%	2%	1%	1%	0%	3%	3%	238	130	DD	28	50	23	79	1	0.895	27.691	0.033	1.028	0.030	0.943
26	21	41%	17%	1%	12%	7%	2%	5%	0%	3%	2%	2%	1%	1%	0%	3%	3%	216	130	DD	28	50	23	80	1	0.883	24.791	0.035	0.988	0.032	0.907
26	22	42%	18%	1%	10%	6%	2%	5%	0%	3%	3%	2%	2%	2%	0%	3%	4%	202	130	DD	28	50	23	81	1	0.872	22.911	0.035	0.907	0.032	0.833
26	23	42%	18%	0%	10%	6%	2%	5%	0%	3%	3%	2%	2%	2%	0%	3%	4%	173	130	DD	29	50	23	81	1	0.857	19.271	0.034	0.762	0.031	0.700
27	0	20%	22%	0%	9%	7%	0%	0%	13%	7%	7%	2%	2%	2%	0%	9%	2%	46	130	LD	25	50	23	82	1	1.307	7.815	0.045	0.267	0.041	0.246
27	1	17%	21%	0%	10%	7%	0%	0%	14%	7%	7%	3%	3%	3%	0%	7%	0%	29	130	LD	25	50	22	82	1	1.381	5.205	0.053	0.201	0.049	0.185
27	2	24%	24%	0%	12%	6%	0%	0%	12%	6%	6%	6%	0%	0%	0%	6%	0%	17	130	LD	25	50	22	83	1	0.987	2.182	0.035	0.078	0.032	0.072
27	3	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.983	1.917	0.029	0.057	0.027	0.053
27	4	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.983	1.917	0.029	0.057	0.027	0.053
27	5	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.983	1.917	0.029	0.057	0.027	0.053
27	6	18%	26%	0%	8%	6%	0%	0%	14%	8%	6%	2%	2%	2%	0%	6%	2%	50	130	LD	25	50	22	83	1	1.140	7.408	0.041	0.269	0.038	0.247
27	7	17%	26%	0%	8%	5%	0%	1%	14%	8%	6%	2%	2%	2%	0%	5%	2%	95	130	LD	25	50	22	82	1	1.144	14.134	0.043	0.537	0.040	0.494
27	8	16%	27%	0%	9%	5%	0%	1%	14%	9%	7%	3%	2%	2%	0%	5%	2%	118	130	LD	24	50	23	79	1	1.112	17.063	0.043	0.661	0.040	0.608
27	9	17%	26%	0%	9%	5%	0%	1%	14%	8%	7%	3%	2%	2%	0%	6%	2%	105	130	LD	24	50	23	77	1	1.186	16.189	0.046	0.621	0.042	0.571
27	10	18%	25%	0%	8%	5%	0%	1%	14%	8%	6%	3%	2%	2%	0%	6%	1%	96	130	LD	24	50	24	74	1	1.229	15.343	0.047	0.583	0.043	0.536
27	11	19%	23%	0%	9%	6%	0%	1%	13%	8%	7%	2%	2%	2%	0%	7%	1%	90	130	LD	25	50	25	72	1	1.214	14.209	0.045	0.530	0.042	0.488
27	12	20%	23%	0%	9%	5%	0%	1%	13%	7%	6%	3%	2%	2%	1%	8%	1%	101	130	LD	24	50	25	71	1	1.363	17.891	0.047	0.620	0.043	0.570
27	13	20%	21%	0%	10%	6%	0%	1%	13%	7%	6%	3%	2%	2%	1%	9%	1%	104	130	LD	24	50	25	71	1	1.411	19.080	0.047	0.642	0.044	0.590
27	14	21%	21%	0%	10%	6%	0%	1%	12%	7%	6%	3%	2%	2%	1%	9%	1%	105	130	LD	24	50	25	71	1	1.400	19.105	0.047	0.645	0.043	0.593
27	15	22%	20%	0%	9%	6%	0%	1%	13%	7%	5%	3%	2%	2%	1%	9%	1%	117	130	LD	24	50	25	72	1	1.406	21.392	0.046	0.703	0.042	0.646
27	16	22%	18%	0%	10%	6%	0%	1%	12%	7%	5%	3%	3%	3%	1%	10%	1%	121	130	LD	24	50	24	74	1	1.515	23.831	0.051	0.797	0.047	0.733
27	17	23%	17%	0%	10%	6%	1%	2%	12%	6%	5%	3%	2%	2%	1%	10%	1%	135	130	LD	24	50	24	76	1	1.541	27.052	0.052	0.909	0.048	0.836
27	18	23%	18%	0%	10%	6%	0%	1%	12%	7%	5%	3%	2%	2%	1%	10%	1%	123	130	LD	24	50	23	77	1	1.519	24.283	0.051	0.815	0.047	0.749
27	19	22%	19%	0%	10%	6%	0%	1%	12%	6%	5%	3%	2%	2%	1%	10%	1%	100	130	LD	24	50	23	78	1	1.510	19.625	0.049	0.634	0.045	0.583
27	20	21%	19%	0%	10%	5%	0%	1%	13%	6%	5%	3%	3%	3%	1%	10%	1%	80	130	LD	25	50	23	79	1	1.524	15.851	0.050	0.520	0.046	0.478
27	21	22%	19%	0%	9%	6%	0%	2%	13%	7%	6%	3%	2%	2%	0%	9%	2%	68	130	LD	25	50	23	80	1	1.296	11.458	0.045	0.394	0.041	0.363
27	22	21%	21%	0%	9%	6%	0%	2%	13%	7%	6%	3%	2%	2%	0%	9%	2%	68	130	LD	25	50	23	81	1	1.297	11.464	0.044	0.393	0.041	0.362
27	23	21%	21%	0%	9%	5%	0%	2%	12%	7%	5%	4%	2%	2%	0%	9%	2%	57	130	LD	25	50	23	81	1	1.329	9.846	0.047	0.345	0.043	0.317
28	0	28%	22%	0%	11%	6%	3%	3%	0%	3%	3%	3%	3%	3%	0%	11%	3%	36	60	LD	25	50	23	82	1	1.547	3.342	0.049	0.106	0.045	0.098
28	1	45%	20%	0%	10%	5%	0%	5%	0%	0%	0%	5%	0%	0%	0%	10%	0%	20	60	LD	25	50	22	82	1	1.213	1.455	0.035	0.042	0.032	0.038

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
28	2	33%	25%	0%	17%	8%	0%	8%	0%	0%	0%	0%	0%	0%	0%	8%	0%	12	60	LD	25	50	22	83	1	1.249	0.900	0.036	0.026	0.033	0.024
28	3	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.456	0.873	0.043	0.026	0.040	0.024
28	4	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.456	0.873	0.043	0.026	0.040	0.024
28	5	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.456	0.873	0.043	0.026	0.040	0.024
28	6	21%	10%	0%	13%	8%	7%	19%	0%	2%	2%	2%	2%	2%	0%	7%	2%	42	60	LD	25	50	22	83	1	1.965	4.951	0.082	0.206	0.075	0.190
28	7	33%	8%	0%	22%	14%	2%	6%	0%	2%	2%	2%	2%	2%	0%	6%	3%	67	60	LD	25	50	22	82	1	1.322	5.314	0.049	0.198	0.045	0.182
28	8	26%	5%	0%	29%	17%	1%	5%	0%	2%	1%	1%	1%	1%	0%	6%	5%	87	60	LD	25	50	23	79	1	1.289	6.726	0.048	0.249	0.044	0.228
28	9	28%	9%	0%	24%	14%	1%	4%	0%	3%	1%	1%	1%	1%	0%	7%	5%	75	60	LD	25	50	23	77	1	1.295	5.827	0.045	0.203	0.041	0.187
28	10	28%	14%	0%	19%	11%	1%	4%	0%	1%	1%	3%	1%	1%	0%	9%	6%	71	60	LD	25	50	24	74	1	1.387	5.910	0.046	0.197	0.042	0.180
28	11	26%	17%	0%	18%	11%	1%	4%	0%	1%	1%	3%	1%	1%	0%	8%	6%	72	60	LD	25	50	25	72	1	1.370	5.920	0.046	0.197	0.042	0.181
28	12	28%	20%	0%	14%	8%	1%	4%	0%	1%	1%	3%	3%	3%	1%	9%	5%	79	60	LD	25	50	25	71	1	1.509	7.154	0.048	0.228	0.044	0.210
28	13	25%	20%	0%	17%	10%	2%	5%	0%	1%	1%	2%	2%	2%	1%	9%	3%	93	60	LD	25	50	25	71	1	1.534	8.557	0.050	0.278	0.046	0.256
28	14	25%	22%	0%	14%	9%	2%	5%	0%	1%	1%	3%	2%	2%	1%	9%	4%	98	60	LD	25	50	25	71	1	1.535	9.025	0.049	0.285	0.045	0.262
28	15	25%	24%	0%	12%	7%	2%	7%	0%	2%	1%	3%	2%	2%	1%	10%	4%	113	60	LD	24	50	25	72	1	1.620	10.981	0.052	0.353	0.048	0.324
28	16	25%	26%	0%	13%	7%	1%	3%	0%	2%	1%	3%	3%	3%	1%	10%	3%	118	60	LD	24	50	24	74	1	1.596	11.297	0.049	0.346	0.045	0.318
28	17	24%	28%	0%	12%	7%	1%	3%	0%	2%	1%	3%	2%	2%	1%	10%	5%	134	60	LD	24	50	24	76	1	1.539	12.372	0.045	0.366	0.042	0.335
28	18	25%	29%	0%	10%	5%	1%	4%	0%	2%	1%	4%	3%	3%	1%	11%	4%	112	60	LD	24	50	23	77	1	1.646	11.058	0.049	0.332	0.045	0.305
28	19	25%	29%	0%	10%	6%	1%	3%	0%	1%	1%	3%	2%	2%	1%	12%	2%	87	60	LD	25	50	23	78	1	1.614	8.424	0.046	0.239	0.042	0.219
28	20	25%	28%	0%	12%	7%	1%	3%	0%	1%	1%	3%	3%	3%	1%	10%	1%	69	60	LD	25	50	23	79	1	1.604	6.640	0.048	0.200	0.044	0.184
28	21	25%	25%	0%	13%	9%	2%	3%	0%	2%	2%	3%	2%	2%	0%	10%	2%	59	60	LD	25	50	23	80	1	1.464	5.181	0.044	0.157	0.041	0.145
28	22	26%	26%	0%	11%	7%	2%	4%	0%	2%	2%	4%	2%	2%	0%	11%	2%	54	60	LD	25	50	23	81	1	1.525	4.941	0.046	0.149	0.042	0.137
28	23	26%	24%	0%	11%	7%	2%	4%	0%	2%	2%	2%	2%	2%	0%	11%	4%	46	60	LD	25	50	23	81	1	1.531	4.226	0.047	0.130	0.043	0.119
29	0	33%	18%	0%	13%	7%	2%	7%	0%	2%	2%	4%	2%	2%	0%	4%	2%	45	60	LD	25	50	23	82	1	1.233	3.329	0.052	0.139	0.047	0.128
29	1	31%	19%	0%	10%	5%	4%	8%	0%	4%	4%	4%	4%	4%	0%	4%	0%	26	60	LD	25	50	22	82	1	1.407	2.195	0.062	0.096	0.057	0.089
29	2	31%	19%	0%	6%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	60	LD	25	50	22	83	1	1.708	1.640	0.072	0.069	0.066	0.064
29	3	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	1.785	1.606	0.075	0.068	0.069	0.062
29	4	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	1.785	1.606	0.075	0.068	0.069	0.062
29	5	28%	17%	0%	6%	6%	6%	6%	0%	0%	0%	6%	6%	6%	0%	6%	11%	18	60	LD	25	50	22	83	1	1.673	1.807	0.072	0.078	0.066	0.071
29	6	35%	16%	0%	8%	4%	4%	8%	0%	2%	2%	6%	4%	4%	0%	4%	2%	49	60	LD	25	50	22	83	1	1.467	4.312	0.067	0.196	0.061	0.180
29	7	36%	14%	0%	7%	4%	4%	10%	0%	2%	2%	7%	4%	4%	0%	3%	2%	91	60	LD	25	50	22	82	1	1.491	8.139	0.070	0.383	0.065	0.353
29	8	33%	13%	0%	11%	6%	3%	9%	0%	2%	2%	6%	4%	4%	0%	2%	4%	123	60	LD	24	50	23	79	1	1.443	10.651	0.070	0.518	0.064	0.476
29	9	34%	15%	0%	10%	6%	3%	9%	0%	3%	2%	6%	4%	4%	0%	3%	3%	103	60	LD	24	50	23	77	1	1.437	8.883	0.068	0.420	0.062	0.386
29	10	31%	15%	0%	12%	7%	4%	9%	0%	2%	2%	5%	4%	4%	0%	3%	3%	102	60	LD	25	50	24	74	1	1.438	8.800	0.067	0.410	0.062	0.377
29	11	32%	15%	0%	13%	8%	2%	8%	0%	2%	2%	4%	3%	3%	0%	3%	3%	91	60	LD	25	50	25	72	1	1.321	7.213	0.060	0.326	0.055	0.299
29	12	28%	15%	0%	13%	8%	4%	12%	0%	3%	2%	5%	3%	3%	0%	4%	3%	111	60	LD	25	50	25	71	1	1.459	9.720	0.066	0.437	0.060	0.402
29	13	31%	18%	0%	11%	7%	3%	8%	0%	3%	2%	4%	3%	3%	0%	5%	2%	99	60	LD	25	50	25	71	1	1.385	8.228	0.057	0.341	0.053	0.313
29	14	28%	18%	0%	15%	8%	3%	8%	0%	3%	2%	4%	3%	3%	0%	5%	2%	105	60	LD	25	50	25	71	1	1.408	8.870	0.059	0.370	0.054	0.340
29	15	26%	18%	0%	16%	10%	2%	6%	0%	3%	3%	3%	3%	3%	0%	5%	3%	121	60	LD	24	50	25	72	1	1.357	9.848	0.055	0.396	0.050	0.364
29	16	26%	19%	0%	16%	10%	2%	5%	0%	3%	3%	3%	3%	3%	0%	6%	3%	119	60	LD	24	50	24	74	1	1.402	10.010	0.054	0.383	0.049	0.352
29	17	28%	23%	0%	13%	8%	2%	4%	0%	3%	3%	3%	2%	3%	1%	7%	3%	118	60	LD	24	50	24	76	1	1.381	9.781	0.047	0.334	0.043	0.307
29	18	29%	23%	0%	13%	7%	2%	5%	0%	3%	3%	3%	2%	2%	0%	7%	3%	105	60	LD	24	50	23	77	1	1.336	8.417	0.047	0.297	0.043	0.273
29	19	29%	22%	0%	12%	7%	2%	6%	0%	3%	2%	3%	2%	2%	0%	7%	2%	87	60	LD	25	50	23	78	1	1.372	7.161	0.050	0.261	0.046	0.240
29	20	27%	20%	0%	15%	9%	1%	5%	0%	3%	3%	4%	3%	3%	0%	5%	1%	74	60	LD	25	50	23	79	1	1.353	6.007	0.053	0.236	0.049	0.217
29	21	27%	18%	0%	16%	9%	2%	9%	0%	3%	1%	3%	3%	3%	0%	6%	1%	73	60	LD	25	50	23	80	1	1.441	6.313	0.058	0.254	0.053	0.234
29	22	31%	20%	0%	10%	5%	3%	9%	0%	3%	2%	3%	3%	3%	0%	5%	2%	59	60	LD	25	50	23	81	1	1.442	5.105	0.061	0.215	0.056	0.198
29	23	31%	20%	0%	11%	7%	2%	6%	0%	2%	2%	4%	4%	4%	0%	6%	2%	51	60	LD	25	50	23	81	1	1.446	4.426	0.059	0.179	0.054	0.165
30	0	22%	26%	0%	13%	9%	0%	4%	0%	4%	0%	4%	4%	4%	0%	4%	4%	23	80	LD	25	50	23	82	1	1.354	2.491	0.056	0.103	0.052	0.095
30	1	43%	21%	0%	14%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	7%	14	80	LD	25	50	22	82	1	0.845	0.947	0.019	0.022	0.018	0.020
30	2	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	1.429	0.800	0.026	0.015	0.024	0.013
30	3	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	1.429	0.800	0.026	0.015	0.024	0.013
30	4	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	1.597	0.766	0.030	0.015	0.028	0.013
30	5	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	1.597	0.766	0.030	0.015	0.028	0.013
30	6	17%	10%	0%	16%	8%	7%	20%	0%	0%	0%	3%	3%	3%	0%	7%	3%	29	80	LD	25	50	22	83	1	2.136	4.955	0.092	0.213	0.085	0.196
30	7	27%	6%	0%	29%	17%	1%	4%	0%	0%	0%	2%	2%	2%	0%	6%	4%	48	80	LD	25	50	22	82	1	1.397	5.365	0.052	0.199	0.048	0.183
30	8	20%	3%	1%	36%	21%	0%	2%	0%	0%	0%	3%	2%	2%	0%	6%	6%	66	80	LD	25	50	23	79	1	1.363	7.197	0.050	0.265	0.046	0.243
30	9	20%	9%	0%	30%	18%	0%	2%	0%	0%	0%	4%	2%	2%	0%	6%	7%	55	80	LD	25	50	23	77	1	1.330	5.854	0.049	0.217	0.045	0.199
30	10	22%	14%	0%	23%	13%	0%	2%	0%	2%	0%	4%	2%	2%	0%	6%	8%	49	80	LD	25	50	24	74	1	1.284	5.034	0.047	0.184	0.043	0.168
30	11	22%	18%	0%	22%	12%	0%	2%	0%	2%	2%	2%	2%	2%	0%	6%	8%	50	80	LD	25	50	25	72	1	1.222	4.887	0.043	0.172	0.039	0.158
30	12	25%	23%	0%	15%	10%	0%	2%	0%	2%	2%	4%	2%	2%	0%	6%	8%	52	80	LD	25	50	25	71	1	1.167	4.855	0.041	0.169	0.037	0.155
30	13	19%	24%	0%	20%	13%	1%	4%	0%	2%	2%	3%	2%	2%	0%	5%	5%	63	80	LD	25	50	25	71	1	1.228	6.190	0.045	0.227	0.041	0.208
30	14	20%	26%	0%	17%	9%	2%	5%	0%	3%	2%	3%	2%	2%	0%	5%	6%	66	80	LD	25	50	25	71	1	1.203	6.352	0.045	0.240	0.042	0.220
30	15	20%	27%	0%	12%	8%	3%	7%	0%	3%	3%	3%	3%	3%	0%	5%	6%	81	80	LD	25	50	25	72	1	1.347	8.731	0.052	0.338	0.048	0.310
30	16	22%	32%	0%	12%	7%	1%	3%	0%	3%	3%	3%	3%	3%	0%	5%	6%	79	80	LD	25	50	24	74	1	1.174	7.417	0.041	0.261	0.038	0.240
30	17	20%	33%	0%	11%	7%	1%	2%	0%	3%	2%	3%	2%	2%	0%	4%	9%	91	80	LD	25	50	24	76	1	1.095	7.975	0.039	0.286	0.036	0.261
30	18	21%	36%	0%	8%	4%	1%	3%	0%	3%	3%	3%	3%	3%	0%	6%	7%	72	80	LD	25	50	23	77	1	1.217	7.007	0.042	0.241	0.038	0.221
30	19	21%	36%	0%	9%	5%	2%	4%	0%	4%	4%	4%	2%	2%	0%	5%	4%	56	80	LD	25	50	23	78	1	1.169	5.235	0.040	0.178	0.037	0.164
30	20	21%	36%	0%	13%	7%	0%	2%	0%	2%	2%	2%	2%	2%	0%	5%	5%	42	80	LD	25	50	23	79	1	1.117	3.754	0.038	0.129	0.035	0.118
30	21	21%	31%	0%	15%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	5%	39	80	LD	25	50	23	80	1	1.190	3.713	0.042	0.132	0.039	0.121
30	22	24%	32%	0%	12%	6%	0%	3%	0%	3%	3%	3%	3%	3%	0%	6%	3%	34	80	LD	25	50	23	81	1	1.226	3.334	0.043	0.117	0.040	0.108
30	23	20%	30%	0%	10%	7%	0%	3%	0%	3%	3%	3%	3%	3%	0%	7%	7%	30	80	LD	25	50	23	81	1	1.352	3.244	0.048	0.115	0.044	0.105
31	0	23%	18%	0%	22%	14%	0%	5%	0%	5%	5%	0%	0%	0%	0%	9%	0%	22	80	LD	25	50	23	82	1	1.299	2.287	0.037	0.064	0.034	0.059
31	1	22%	22%	0%	29%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	9	80	LD	25	50	22	82	1	1.324	0.953	0.031	0.022	0.028	0.020
31	2	17%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	17%	6	80	LD	25	50	22	83	1	1.669	0.801	0.032	0.016	0.029	0.014
31	3	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.903	0.761	0.035	0.014	0.032	0.013
31	4	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.903	0.761	0.035	0.014	0.032	0.013
31	5	14%	14%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	29%	7	80	LD	25	50	22	83	1	1.498	0.839	0.031	0.017	0.027	0.015
31	6	15%	23%	0%	23%	15%	0%	8%	0%	0%	0%	0%	0%	0%	0%	15%	0%	13	80	LD	25	50	22	83	1	1.846	1.920	0.046	0.048	0.042	0.044
31	7	20%	20%	0%	13%	10%	1%	6%	0%	3%	3%	3%	3%	3%	0%	10%	3%	30	80	LD	25	50	22	82	1	1.727	4.146	0.059	0.141	0.054	0.129
31	8	14%	14%	0%	23%	14%	2%	5%	0%	2%	0%	2%	2%	2%	0%	9%	9%	43	80	LD	25	50	23	79	1	1.648	5.668	0.056	0.194	0.052	0.177
31	9	16%	16%	0%	22%	13%	0%	3%	0%	3%	3%	3%	3%	3%	0%	11%	5%	37	80	LD	25	50	23	77	1	1.674	4.954	0.053	0.157	0.049	0.144
31	10	16%	16%	0%	23%	14%	1%	6%	0%	2%	2%	2%	2%	2%	0%	9%	5%	44	80	LD	25	50	24	74	1	1.643	5.783	0.056	0.198	0.052	0.182
31	11	17%	17%	0%	24%	14%	0%	2%	0%	2%	2%	2%	2%	2%	0%	10%	5%	42	80	LD	25	50	25	72	1	1.543	5.185	0.050	0.170	0.046	0.156
31	12	14%	14%	0%	21%	13%	4%	12%	0%	3%	2%	2%	2%	2%	0%	9%	3%	58	80	LD	25	50	25	71	1	1.781	8.265	0.066	0.304	0.060	0.280
31	13	16%	18%	0%	20%	12%	1%	5%	0%	4%	4%	2%	2%	2%	0%	12%	2%	50	80	LD	25	50	25	71	1	1.721	6.884	0.053	0.213	0.049	0.196
31	14	14%	18%	0%	23%	13%	1%	6%	0%	4%	4%	2%	2%	2%	0%	11%	2%	57	80	LD	25	50	25	71	1	1.675	7.637	0.054	0.247	0.050	0.227
31	15	14%	16%	0%	26%	15%	2%	2%	0%	4%	3%	1%	1%	1%	1%	10%	3%	73	80	LD	25	50	25	72	1	1.581	9.231	0.047	0.277	0.044	0.254
31	16	14%	18%	0%	25%	15%	1%	1%	0%	4%	3%	1%	1%	1%	1%	11%	1%	72	80	LD	25	50	24	74	1	1.642	9.457	0.046	0.262	0.042	0.241
31	17	17%	21%	0%	19%	11%	1%	3%	0%	4%	4%	1%	1%	1%	1%	13%	1%	72	80	LD	25	50	24	76	1	1.691	9.741	0.045	0.262	0.042	0.241
31	18	15%	21%	0%	19%	12%	2%	2%	0%	5%	5%	2%	2%	2%	2%	13%	2%	62	80	LD	25	50	23	77	1	1.753	8.696	0.045	0.226	0.042	0.207
31	19	16%	24%	0%	18%	11%	0%	2%	0%	4%	4%	2%	2%	2%	0%	13%	0%	45	80	LD	25	50	23	78	1	1.703	6.131	0.047	0.170	0.043	0.156
31	20	14%	19%	0%	25%	13%	0%	2%	0%	5%	2%	2%	2%	2%	0%	12%	0%	42	80	LD	25	50	23	79	1	1.695	5.696	0.052	0.173	0.047	0.159
31	21	17%	17%	0%	25%	15%	2%	8%	0%	2%	2%	2%	0%	0%	0%	10%	0%	42	80	LD	25	50	23	80	1	1.552	5.214	0.050	0.166	0.046	0.153
31	22	17%	21%	0%	17%	10%	2%	9%	0%	3%	3%	3%	0%	0%	0%	14%	0%	29	80	LD	25	50	23	81	1	1.753	4.067	0.050	0.116	0.046	0.107
31	23	17%	22%	0%	20%	10%	0%	4%	0%	4%	4%	4%	0%	0%	0%	13%	0%	23	80	LD	25	50	23	81	1	1.558	2.867	0.042	0.078	0.039	0.072
32	0	22%	22%	0%	6%	6%	0%	6%	0%	6%	6%	11%	6%	6%	0%	0%	6%	18	220	LD	25	50	23	82	1	1.326	5.251	0.071	0.281	0.065	0.258
32	1	17%	17%	0%	8%	0%	0%	8%	0%	8%	8%	8%	8%	8%	0%	0%	8%	12	220	LD	25	50	22	82	1	1.613	4.259	0.088	0.232	0.081	0.213
32	2	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	3	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	4	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	5	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	2.390	3.680	0.136	0.209	0.125	0.192
32	6	13%	17%	0%	4%	4%	4%	8%	0%	8%	8%	13%	8%	8%	0%	0%	4%	24	220	LD	25	50	22	83	1	1.810	9.559	0.098	0.519	0.090	0.477
32	7	12%	19%	0%	7%	5%	2%	9%	0%	7%	7%	12%	9%	9%	0%	0%	2%	43	220	LD	25	50	22	82	1	1.911	18.077	0.103	0.973	0.095	0.895
32	8	11%	18%	0%	6%	4%	4%	9%	0%	9%	7%	13%	9%	9%	0%	0%	2%	55	220	LD	25	50	23	79	1	1.890	22.871	0.104	1.254	0.095	1.153
32	9	13%	17%	0%	7%	4%	4%	9%	0%	9%	7%	11%	9%	9%	0%	0%	2%	46	220	LD	25	50	23	77	1	1.839	18.609	0.099	1.005	0.091	0.925
32	10	15%	20%	0%	5%	3%	3%	10%	0%	8%	8%	13%	8%	8%	0%	0%	3%	40	220	LD	25	50	24	74	1	1.720	15.135	0.094	0.826	0.086	0.760
32	11	16%	19%	0%	5%	3%	3%	8%	0%	8%	5%	11%	8%	8%	0%	0%	5%	37	220	LD	25	50	25	72	1	1.662	13.525	0.092	0.745	0.084	0.685
32	12	20%	20%	0%	5%	3%	3%	8%	0%	8%	5%	10%	8%	8%	0%	0%	5%	40	220	LD	25	50	25	71	1	1.558	13.710	0.085	0.749	0.078	0.688
32	13	21%	21%	0%	5%	3%	3%	8%	0%	5%	5%	10%	8%	8%	0%	0%	5%	39	220	LD	25	50	25	71	1	1.597	13.700	0.087	0.747	0.080	0.686
32	14	24%	21%	0%	5%	3%	3%	8%	0%	5%	5%	8%	5%	5%	0%	0%	8%	38	220	LD	25	50	25	71	1	1.332	11.137	0.071	0.592	0.065	0.544
32	15	24%	22%	0%	7%	2%	2%	7%	0%	5%	5%	7%	5%	5%	0%	0%	7%	41	220	LD	25	50	25	72	1	1.256	11.325	0.067	0.602	0.061	0.553
32	16	26%	24%	0%	5%	2%	2%	5%	0%	5%	5%	7%	5%	5%	0%	0%	10%	42	220	LD	25	50	24	74	1	1.160	10.715	0.060	0.557	0.055	0.511
32	17	28%	24%	0%	7%	4%	2%	4%	0%	4%	2%	7%	4%	4%	0%	0%	9%	46	220	LD	25	50	24	76	1	1.084	10.966	0.056	0.566	0.051	0.519
32	18	27%	24%	0%	5%	2%	2%	5%	0%	5%	2%	7%	5%	5%	0%	0%	10%	41	220	LD	25	50	23	77	1	1.169	10.544	0.061	0.547	0.056	0.501
32	19	25%	22%	0%	6%	3%	3%	6%	0%	6%	3%	8%	6%	6%	0%	0%	8%	36	220	LD	25	50	23	78	1	1.292	10.232	0.068	0.542	0.063	0.497
32	20	24%	21%	0%	7%	3%	3%	7%	0%	3%	3%	7%	7%	7%	0%	0%	7%	29	220	LD	25	50	23	79	1	1.465	9.346	0.078	0.495	0.071	0.455
32	21	24%	20%	0%	4%	4%	4%	8%	0%	4%	4%	8%	4%	8%	0%	0%	8%	25	220	LD	25	50	23	80	1	1.488	8.185	0.077	0.424	0.071	0.390
32	22	23%	19%	0%	4%	4%	4%	8%	0%	4%	4%	8%	8%	8%	0%	0%	8%	26	220	LD	25	50	23	81	1	1.576	9.014	0.085	0.484	0.078	0.444
32	23	23%	23%	0%	5%	5%	5%	9%	0%	5%	5%	9%	5%	5%	0%	0%	5%	22	220	LD	25	50	23	81	1	1.369	6.628	0.072	0.349	0.066	0.321
33	0	8%	0%	0%	17%	8%	0%	0%	0%	0%	0%	8%	8%	8%	0%	42%	0%	12	220	LD	25	50	23	82	1	3.947	10.420	0.103	0.273	0.095	0.251
33	1	14%	0%	0%	14%	14%	0%	0%	0%	0%	0%	14%	0%	0%	0%	43%	0%	7	220	LD	25	50	22	82	1	3.448	5.309	0.067	0.104	0.062	0.095
33	2	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	3	220	LD	25	50	22	83	1	4.574	3.019	0.064	0.042	0.059	0.039
33	3	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	2	220	LD	25	50	22	83	1	3.616	1.591	0.060	0.026	0.055	0.024
33	4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	6.483	1.426	0.073	0.016	0.067	0.015
33	5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	6.483	1.426	0.073	0.016	0.067	0.015
33	6	11%	0%	0%	11%	11%	0%	0%	0%	0%	0%	11%	11%	11%	0%	33%	0%	9	220	LD	25	50	22	83	1	3.814	7.551	0.117	0.231	0.107	0.212
33	7	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	13%	7%	7%	0%	33%	0%	15	220	LD	25	50	22	82	1	3.605	11.897	0.107	0.352	0.098	0.323
33	8	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	14%	10%	10%	0%	24%	0%	21	220	LD	25	50	23	79	1	3.266	15.088	0.116	0.536	0.107	0.493
33	9	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	10%	10%	10%	0%	29%	0%	21	220	LD	25	50	23	77	1	3.505	16.193	0.112	0.519	0.103	0.477
33	10	11%	0%	0%	16%	11%	0%	5%	0%	0%	0%	11%	5%	5%	0%	37%	0%	19	220	LD	25	50	24	74	1	3.641	15.221	0.097	0.405	0.089	0.373
33	11	10%	0%	0%	15%	10%	0%	5%	0%	0%	0%	10%	5%	5%	5%	35%	0%	20	220	LD	25	50	25	72	1	3.746	16.484	0.095	0.417	0.087	0.384

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
33	12	13%	0%	0%	13%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	42%	0%	24	220	LD	25	50	25	71	1	3.947	20.840	0.089	0.468	0.082	0.430
33	13	12%	0%	0%	12%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	44%	0%	25	220	LD	25	50	25	71	1	4.039	22.212	0.088	0.483	0.081	0.444
33	14	11%	4%	0%	14%	7%	0%	4%	0%	0%	0%	7%	4%	4%	4%	43%	0%	28	220	LD	25	50	25	71	1	3.884	23.927	0.083	0.510	0.076	0.469
33	15	9%	3%	0%	12%	9%	0%	3%	0%	3%	0%	6%	3%	3%	3%	46%	0%	33	220	LD	25	50	25	72	1	3.914	28.416	0.079	0.570	0.072	0.525
33	16	11%	3%	0%	14%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	46%	0%	37	220	LD	25	50	24	74	1	3.895	31.703	0.076	0.615	0.069	0.566
33	17	9%	2%	0%	11%	7%	2%	5%	0%	2%	0%	5%	5%	5%	2%	46%	0%	44	220	LD	25	50	24	76	1	4.058	39.282	0.089	0.858	0.082	0.790
33	18	11%	3%	0%	14%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	46%	0%	37	220	LD	25	50	23	77	1	3.919	31.904	0.076	0.615	0.069	0.566
33	19	10%	3%	0%	13%	7%	0%	3%	0%	0%	0%	7%	3%	3%	3%	47%	0%	30	220	LD	25	50	23	78	1	4.079	26.920	0.082	0.540	0.075	0.497
33	20	9%	4%	0%	13%	9%	0%	4%	0%	0%	0%	4%	4%	4%	4%	44%	0%	23	220	LD	25	50	23	79	1	4.053	20.510	0.085	0.430	0.078	0.395
33	21	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	80	1	4.302	17.037	0.096	0.381	0.088	0.350
33	22	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	81	1	4.287	16.978	0.096	0.381	0.088	0.350
33	23	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	40%	0%	15	220	LD	25	50	23	81	1	3.855	12.722	0.102	0.335	0.093	0.308
34	0	28%	25%	0%	14%	9%	2%	7%	0%	4%	4%	2%	2%	2%	0%	0%	4%	57	170	LD	25	50	23	82	1	0.949	9.199	0.044	0.429	0.041	0.394
34	1	28%	25%	0%	14%	8%	3%	6%	0%	3%	3%	3%	3%	3%	0%	0%	3%	36	170	LD	25	50	22	82	1	1.043	6.380	0.049	0.301	0.045	0.277
34	2	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.922	3.760	0.042	0.173	0.039	0.159
34	3	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.922	3.760	0.042	0.173	0.039	0.159
34	4	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.922	3.760	0.042	0.173	0.039	0.159
34	5	26%	26%	0%	13%	9%	4%	9%	0%	4%	4%	4%	0%	0%	0%	0%	0%	23	170	LD	25	50	22	83	1	0.938	3.668	0.043	0.169	0.040	0.155
34	6	24%	27%	0%	16%	9%	3%	7%	1%	4%	3%	3%	1%	1%	0%	0%	1%	71	170	LD	25	50	22	83	1	0.978	11.802	0.045	0.549	0.042	0.505
34	7	22%	26%	1%	15%	9%	2%	7%	2%	4%	4%	3%	2%	2%	0%	0%	1%	135	170	LD	24	50	22	82	1	1.107	25.401	0.053	1.211	0.049	1.114
34	8	22%	27%	1%	15%	9%	2%	8%	1%	5%	4%	3%	2%	2%	0%	0%	1%	171	170	LD	23	50	23	79	1	1.105	32.113	0.053	1.538	0.049	1.415
34	9	23%	26%	1%	15%	9%	3%	7%	1%	4%	3%	3%	2%	2%	0%	0%	1%	146	170	LD	24	50	23	77	1	1.080	26.796	0.051	1.270	0.047	1.168
34	10	25%	27%	0%	15%	9%	2%	7%	1%	4%	3%	2%	2%	2%	0%	0%	2%	127	170	LD	24	50	24	74	1	1.005	21.698	0.047	1.019	0.043	0.937
34	11	26%	26%	0%	15%	9%	3%	7%	1%	3%	3%	3%	2%	2%	0%	0%	3%	117	170	LD	24	50	25	72	1	0.998	19.842	0.048	0.949	0.044	0.872
34	12	28%	26%	0%	14%	8%	2%	6%	1%	3%	3%	2%	2%	2%	0%	0%	3%	125	170	LD	24	50	25	71	1	0.952	20.229	0.045	0.959	0.041	0.881
34	13	29%	25%	0%	14%	8%	2%	6%	1%	3%	2%	2%	2%	2%	0%	0%	4%	125	170	LD	24	50	25	71	1	0.945	20.084	0.045	0.957	0.041	0.879
34	14	30%	25%	0%	13%	7%	2%	6%	1%	3%	2%	2%	2%	2%	0%	1%	5%	126	170	LD	24	50	25	71	1	0.948	20.296	0.043	0.929	0.040	0.852
34	15	32%	24%	0%	12%	8%	2%	5%	0%	3%	2%	2%	2%	2%	0%	1%	5%	133	170	LD	24	50	25	72	1	0.911	20.606	0.041	0.933	0.038	0.855
34	16	34%	24%	0%	12%	7%	2%	5%	0%	2%	2%	2%	2%	2%	0%	1%	6%	130	170	LD	24	50	24	74	1	0.894	19.749	0.040	0.884	0.037	0.810
34	17	36%	24%	0%	11%	6%	1%	5%	0%	2%	1%	2%	1%	1%	0%	1%	7%	140	170	LD	24	50	24	76	1	0.833	19.823	0.038	0.897	0.035	0.821
34	18	35%	24%	0%	12%	7%	2%	5%	0%	2%	2%	2%	2%	2%	0%	1%	6%	130	170	LD	24	50	23	77	1	0.893	19.733	0.040	0.879	0.036	0.805
34	19	34%	24%	0%	12%	7%	2%	6%	0%	3%	2%	2%	2%	2%	0%	1%	6%	110	170	LD	24	50	23	78	1	0.937	17.529	0.042	0.782	0.038	0.717
34	20	33%	24%	0%	13%	7%	2%	6%	0%	2%	2%	2%	1%	1%	0%	0%	6%	87	170	LD	25	50	23	79	1	0.814	12.037	0.038	0.555	0.034	0.509
34	21	32%	24%	0%	13%	8%	3%	5%	0%	3%	3%	3%	1%	1%	0%	0%	5%	78	170	LD	25	50	23	80	1	0.838	11.117	0.039	0.515	0.036	0.472
34	22	31%	24%	0%	13%	8%	3%	6%	0%	3%	3%	3%	1%	1%	0%	0%	5%	78	170	LD	25	50	23	81	1	0.883	11.709	0.041	0.547	0.038	0.502
34	23	30%	25%	0%	13%	8%	2%	6%	0%	3%	3%	3%	2%	2%	0%	0%	5%	67	170	LD	25	50	23	81	1	0.878	9.998	0.041	0.468	0.038	0.430
35	0	16%	8%	0%	11%	8%	3%	11%	13%	11%	8%	5%	3%	3%	0%	0%	3%	38	170	LD	25	50	23	82	1	1.302	8.409	0.072	0.464	0.066	0.427
35	1	12%	8%	0%	12%	8%	4%	12%	12%	12%	8%	4%	4%	4%	0%	0%	0%	25	170	LD	25	50	22	82	1	1.527	6.490	0.082	0.349	0.076	0.321
35	2	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	3	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	4	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	5	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.680	5.139	0.093	0.283	0.085	0.261
35	6	10%	8%	0%	8%	6%	4%	14%	14%	12%	10%	6%	4%	4%	0%	0%	2%	51	170	LD	25	50	22	83	1	1.583	13.721	0.087	0.752	0.080	0.692
35	7	9%	7%	0%	8%	5%	4%	12%	13%	12%	10%	6%	5%	5%	0%	1%	2%	99	170	LD	25	50	22	82	1	1.705	28.696	0.091	1.533	0.084	1.410
35	8	9%	8%	0%	8%	5%	5%	12%	13%	12%	10%	7%	5%	5%	0%	1%	2%	130	170	LD	25	50	23	79	1	1.654	36.562	0.090	1.989	0.083	1.829
35	9	9%	7%	0%	8%	5%	5%	12%	13%	12%	10%	7%	5%	5%	0%	1%	2%	108	170	LD	25	50	23	77	1	1.656	30.403	0.089	1.635	0.082	1.504
35	10	11%	7%	0%	9%	5%	4%	12%	13%	12%	10%	6%	4%	4%	0%	1%	2%	94	170	LD	25	50	24	74	1	1.613	25.778	0.086	1.382	0.080	1.271
35	11	12%	7%	0%	10%	6%	4%	12%	13%	11%	10%	6%	4%	4%	0%	0%	2%	83	170	LD	25	50	25	72	1	1.467	20.702	0.082	1.157	0.075	1.064
35	12	14%	8%	0%	11%	6%	4%	12%	13%	12%	9%	5%	4%	4%	0%	0%	1%	86	170	LD	25	50	25	71	1	1.416	20.708	0.078	1.147	0.072	1.055
35	13	15%	8%	0%	12%	7%	4%	11%	13%	11%	8%	5%	4%	4%	0%	0%	1%	86	170	LD	25	50	25	71	1	1.393	20.362	0.077	1.123	0.071	1.033
35	14	17%	9%	0%	12%	7%	4%	10%	12%	10%	9%	4%	3%	3%	0%	0%	1%	81	170	LD	25	50	25	71	1	1.267	17.451	0.069	0.949	0.063	0.874
35	15	19%	8%	0%	13%	8%	4%	9%	13%	9%	8%	4%	2%	2%	0%	0%	1%	86	170	LD	25	50	25	72	1	1.225	17.904	0.067	0.977	0.061	0.899
35	16	21%	8%	0%	15%	8%	4%	8%	12%	10%	7%	2%	2%	2%	0%	0%	0%	83	170	LD	25	50	24	74	1	1.194	16.844	0.064	0.904	0.059	0.832
35	17	22%	8%	0%	15%	9%	2%	8%	13%	9%	7%	2%	1%	1%	0%	0%	0%	85	170	LD	25	50	24	76	1	1.058	15.289	0.057	0.821	0.052	0.756
35	18	22%	9%	0%	15%	9%	3%	9%	13%	9%	8%	3%	1%	1%	0%	0%	0%	79	170	LD	25	50	23	77	1	1.111	14.923	0.059	0.788	0.054	0.725
35	19	20%	9%	0%	15%	9%	3%	9%	13%	10%	7%	3%	1%	1%	0%	0%	0%	69	170	LD	25	50	23	78	1	1.118	13.109	0.060	0.700	0.055	0.645
35	20	20%	9%	0%	14%	7%	4%	9%	13%	9%	9%	4%	2%	2%	0%	0%	0%	56	170	LD	25	50	23	79	1	1.171	11.151	0.063	0.604	0.058	0.556
35	21	18%	8%	0%	12%	8%	4%	10%	12%	10%	8%	4%	2%	2%	0%	0%	0%	49	170	LD	25	50	23	80	1	1.250	10.415	0.068	0.564	0.062	0.520
35	22	17%	8%	0%	12%	8%	4%	10%	14%	10%	8%	4%	2%	4%	0%	0%	2%	52	170	LD	25	50	23	81	1	1.318	11.655	0.071	0.632	0.066	0.581
35	23	15%	9%	0%	11%	7%	4%	11%	13%	11%	9%	4%	2%	2%	0%	0%	2%	46	170	LD	25	50	23	81	1	1.285	10.048	0.071	0.551	0.065	0.507
36	0	21%	21%	0%	21%	12%	2%	10%	0%	2%	2%	2%	0%	0%	0%	5%	0%	42	330	LD	25	50	23	82	1	1.258	17.436	0.047	0.654	0.043	0.602
36	1	17%	25%	0%	19%	14%	4%	8%	0%	4%	4%	0%	0%	0%	0%	4%	0%	24	330	LD	25	50	22	82	1	1.244	9.855	0.044	0.346	0.040	0.319
36	2	18%	24%	0%	18%	12%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	6%	17	330	LD	25	50	22	83	1	1.152	6.465	0.035	0.198	0.032	0.182
36	3	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.272	6.295	0.038	0.190	0.035	0.175
36	4	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.272	6.295	0.038	0.190	0.035	0.175
36	5	12%	24%	0%	18%	12%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	12%	17	330	LD	25	50	22	83	1	1.178	6.609	0.036	0.203	0.033	0.185
36	6	13%	26%	0%	20%	11%	2%	4%	2%	4%	4%	2%	2%	2%	0%	7%	0%	46	330	LD	25	50	22	83	1	1.436	21.793	0.051	0.778	0.047	0.716
36	7	13%	26%	0%	19%	11%	2%	6%	2%	5%	4%	2%	1%	1%	0%	6%	2%	84	330	LD	25	50	22	82	1	1.342	37.190	0.047	1.307	0.043	1.201
36	8	11%	24%	1%	21%	13%	1%	3%	2%	4%	3%	3%	2%	2%	0%	6%	4%	117	330	LD	24	50	23	79	1	1.377	53.157	0.049	1.889	0.045	1.733
36	9	13%	24%	0%	21%	12%	2%	5%	2%	4%	3%	2%	1%	2%	0%	6%	3%	98	330	LD	25	50	23	77	1	1.394	45.079	0.049	1.589	0.045	1.460
36	10	14%	22%	0%	22%	13%	3%	7%	1%	3%	3%	2%	1%	1%	0%	5%	3%	97	330	LD	25	50	24	74	1	1.350	43.201	0.050	1.590	0.046	1.461
36	11	15%	21%	0%	22%	13%	2%	7%	1%	3%	3%	1%	1%	1%	0%	6%	3%	91	330	LD	25	50	25	72	1	1.333	40.032	0.049	1.460	0.045	1.341
36	12	15%	19%	0%	20%	12%	5%	13%	1%	3%	3%	1%	1%	1%	0%	5%	3%	111	330	LD	25	50	25	71	1	1.477	54.088	0.059	2.165	0.054	1.990
36	13	19%	21%	0%	19%	12%	4%	10%	1%	3%	3%	1%	1%	1%	0%	5%	2%	102	330	LD	24	50	25	71	1	1.434	48.256	0.056	1.887	0.052	1.734
36	14	17%	18%	0%	20%	13%	4%	11%	1%	3%	3%	1%	1%	1%	0%	5%	2%	109	330	LD	24	50	25	71	1	1.472	52.948	0.059	2.125	0.054	1.954
36	15	19%	18%	0%	22%	13%	3%	11%	0%	2%	2%	1%	1%	1%	0%	4%	2%	126	330	LD	24	50	25	72	1	1.397	58.080	0.057	2.353	0.052	2.163
36	16	20%	18%	0%	22%	13%	4%	11%	0%	2%	2%	1%	1%	1%	0%	4%	2%	126	330	LD	24	50	24	74	1	1.420	59.048	0.057	2.382	0.053	2.190
36	17	23%	18%	1%	18%	11%	5%	12%	0%	2%	2%	1%	1%	1%	0%	4%	2%	129	330	LD	24	50	24	76	1	1.412	60.120	0.059	2.492	0.054	2.291
36	18	21%	19%	0%	18%	11%	4%	12%	0%	3%	3%	1%	1%	1%	0%	4%	2%	114	330	LD	24	50	23	77	1	1.468	55.228	0.059	2.209	0.054	2.031
36	19	21%	20%	0%	18%	11%	4%	12%	0%	3%	2%	1%	1%	1%	0%	4%	1%	91	330	LD	25	50	23	78	1	1.429	42.916	0.057	1.709	0.052	1.572
36	20	19%	19%	0%	21%	12%	4%	11%	0%	3%	3%	1%	1%	1%	0%	4%	1%	79	330	LD	25	50	23	79	1	1.415	36.900	0.058	1.506	0.053	1.385
36	21	19%	18%	0%	21%	13%	4%	13%	0%	3%	3%	1%	0%	1%	0%	4%	1%	74	330	LD	25	50	23	80	1	1.436	35.065	0.058	1.407	0.053	1.294
36	22	19%	21%	0%	16%	10%	4%	14%	0%	3%	3%	2%	2%	2%	0%	5%	2%	63	330	LD	25	50	23	81	1	1.522	31.639	0.062	1.288	0.057	1.185
36	23	18%	22%	0%	19%	11%	4%	10%	0%	4%	2%	2%	0%	2%	0%	6%	0%	50	330	LD	25	50	23	81	1	1.472	24.289	0.055	0.906	0.051	0.834
37	0	22%	7%	0%	15%	7%	4%	11%	19%	4%	0%	4%	0%	0%	0%	7%	0%	27	330	LD	25	50	23	82	1	1.505	13.407	0.064	0.570	0.059	0.525
37	1	35%	6%	0%	12%	6%	6%	12%	18%	0%	0%	0%	0%	0%	0%	6%	0%	17	330	LD	25	50	22	82	1	1.376	7.718	0.059	0.330	0.054	0.304
37	2	22%	11%	0%	11%	11%	0%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	1.697	5.039	0.059	0.175	0.054	0.161
37	3	25%	0%	0%	13%	13%	0%	13%	25%	0%	0%	0%	0%	0%	0%	13%	0%	8	330	LD	25	50	22	83	1	1.856	4.901	0.066	0.175	0.061	0.161
37	4	22%	0%	0%	11%	11%	11%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	1.902	5.650	0.073	0.216	0.067	0.198
37	5	11%	0%	0%	11%	11%	11%	22%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	2.316	6.877	0.094	0.278	0.086	0.256
37	6	11%	3%	0%	13%	6%	11%	30%	19%	0%	0%	3%	0%	0%	0%	5%	0%	37	330	LD	25	50	22	83	1	2.178	26.588	0.104	1.265	0.095	1.164
37	7	16%	2%	0%	21%	12%	5%	15%	19%	0%	0%	2%	2%	2%	0%	5%	2%	67	330	LD	25	50	22	82	1	1.724	38.127	0.080	1.778	0.074	1.636
37	8	10%	1%	0%	26%	15%	4%	14%	19%	0%	0%	1%	1%	1%	0%	4%	3%	92	330	LD	25	50	23	79	1	1.709	51.873	0.079	2.400	0.073	2.207
37	9	12%	3%	0%	22%	13%	5%	13%	18%	0%	0%	1%	1%	1%	0%	5%	4%	76	330	LD	25	50	23	77	1	1.748	43.831	0.078	1.960	0.072	1.802
37	10	15%	3%	0%	17%	10%	5%	12%	20%	2%	0%	2%	2%	2%	0%	6%	5%	65	330	LD	25	50	24	74	1	1.701	36.483	0.076	1.625	0.070	1.493
37	11	18%	3%	0%	19%	11%	3%	11%	18%	2%	2%	2%	2%	2%	0%	5%	5%	63	330	LD	25	50	25	72	1	1.551	32.239	0.071	1.485	0.066	1.365
37	12	21%	5%	0%	15%	9%	3%	11%	18%	2%	2%	2%	2%	2%	0%	6%	5%	66	330	LD	25	50	25	71	1	1.554	33.839	0.068	1.487	0.063	1.367
37	13	19%	5%	0%	20%	12%	3%	10%	15%	1%	1%	1%	1%	1%	0%	5%	3%	74	330	LD	25	50	25	71	1	1.541	37.627	0.067	1.645	0.062	1.513
37	14	21%	5%	0%	17%	11%	3%	10%	15%	3%	1%	1%	1%	1%	0%	5%	4%	75	330	LD	25	50	25	71	1	1.476	36.523	0.065	1.603	0.060	1.473
37	15	24%	7%	0%	15%	9%	4%	10%	14%	2%	2%	1%	1%	1%	0%	6%	4%	85	330	LD	25	50	25	72	1	1.469	41.207	0.063	1.774	0.058	1.631
37	16	27%	7%	0%	16%	9%	3%	5%	14%	3%	3%	3%	1%	1%	0%	6%	4%	81	330	LD	25	50	24	74	1	1.312	35.070	0.054	1.438	0.049	1.321
37	17	26%	8%	0%	15%	9%	1%	4%	13%	3%	2%	2%	1%	1%	0%	7%	7%	91	330	LD	25	50	24	76	1	1.267	38.050	0.050	1.511	0.046	1.387
37	18	28%	8%	0%	13%	7%	1%	6%	15%	3%	3%	3%	1%	1%	0%	7%	4%	72	330	LD	25	50	23	77	1	1.361	32.338	0.055	1.307	0.051	1.201
37	19	28%	9%	0%	12%	7%	2%	7%	16%	3%	3%	2%	2%	2%	0%	7%	2%	58	330	LD	25	50	23	78	1	1.416	27.097	0.058	1.107	0.053	1.018
37	20	25%	8%	0%	15%	8%	2%	6%	17%	2%	2%	2%	2%	2%	0%	6%	2%	48	330	LD	25	50	23	79	1	1.443	22.863	0.062	0.976	0.057	0.898
37	21	23%	7%	0%	16%	9%	2%	7%	16%	2%	2%	2%	2%	2%	0%	7%	2%	44	330	LD	25	50	23	80	1	1.536	22.307	0.065	0.944	0.060	0.868
37	22	22%	7%	0%	12%	7%	2%	10%	17%	2%	2%	2%	2%	2%	0%	7%	2%	41	330	LD	25	50	23	81	1	1.642	22.220	0.070	0.954	0.065	0.877
37	23	23%	6%	0%	11%	9%	3%	9%	17%	3%	3%	3%	3%	3%	0%	6%	3%	35	330	LD	25	50	23	81	1	1.586	18.315	0.072	0.830	0.066	0.764
38	0	21%	18%	0%	18%	11%	4%	9%	0%	5%	4%	2%	2%	2%	0%	5%	2%	57	330	LD	25	50	23	82	1	1.411	26.539	0.056	1.049	0.051	0.965
38	1	20%	17%	0%	17%	9%	3%	9%	0%	6%	6%	3%	3%	3%	0%	6%	0%	35	330	LD	25	50	22	82	1	1.551	17.915	0.062	0.720	0.057	0.662
38	2	24%	19%	0%	19%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	21	330	LD	25	50	22	83	1	1.239	8.583	0.046	0.317	0.042	0.292
38	3	25%	20%	0%	15%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	20	330	LD	25	50	22	83	1	1.261	8.323	0.046	0.301	0.042	0.278
38	4	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	1.070	6.354	0.033	0.197	0.031	0.181
38	5	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	1.070	6.354	0.033	0.197	0.031	0.181
38	6	23%	19%	0%	15%	10%	2%	5%	0%	7%	7%	2%	2%	2%	0%	8%	2%	62	330	LD	25	50	22	83	1	1.397	28.573	0.046	0.936	0.042	0.861
38	7	22%	19%	0%	15%	9%	2%	4%	1%	7%	6%	3%	2%	2%	1%	8%	2%	116	330	LD	24	50	22	82	1	1.480	56.660	0.049	1.880	0.045	1.729
38	8	22%	19%	1%	14%	8%	1%	3%	1%	8%	6%	2%	1%	2%	1%	8%	2%	145	330	LD	24	50	23	79	1	1.447	69.226	0.047	2.228	0.043	2.048
38	9	22%	19%	0%	15%	9%	2%	5%	1%	7%	6%	2%	2%	2%	1%	7%	2%	126	330	LD	24	50	23	77	1	1.428	59.377	0.049	2.021	0.045	1.858
38	10	22%	18%	0%	15%	9%	3%	6%	1%	7%	5%	3%	2%	2%	1%	7%	2%	120	330	LD	24	50	24	74	1	1.464	57.955	0.052	2.067	0.048	1.900
38	11	22%	18%	0%	16%	9%	3%	7%	1%	6%	5%	2%	2%	2%	0%	6%	2%	109	330	LD	24	50	25	72	1	1.379	49.602	0.054	1.943	0.050	1.786
38	12	21%	18%	1%	16%	10%	3%	8%	0%	6%	5%	3%	2%	2%	0%	5%	1%	122	330	LD	24	50	25	71	1	1.394	56.106	0.056	2.251	0.051	2.070
38	13	22%	18%	1%	17%	10%	3%	10%	0%	5%	4%	2%	2%	2%	0%	5%	1%	125	330	LD	24	50	25	71	1	1.439	59.368	0.058	2.412	0.054	2.218
38	14	21%	17%	1%	17%	10%	4%	10%	0%	5%	4%	2%	2%	2%	0%	4%	1%	127	330	LD	24	50	25	71	1	1.417	59.369	0.060	2.515	0.055	2.313
38	15	21%	17%	1%	18%	11%	4%	11%	0%	4%	4%	2%	1%	1%	0%	3%	1%	141	330	LD	24	50	25	72	1	1.371	63.813	0.061	2.828	0.056	2.601
38	16	21%	17%	1%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	0%	141	330	LD	24	50	24	74	1	1.424	66.235	0.063	2.912	0.058	2.679
38	17	21%	17%	1%	19%	12%	5%	13%	0%	3%	3%	2%	1%	1%	0%	2%	0%	155	330	LD	23	50	24	76	1	1.422	72.750	0.066	3.365	0.061	3.096
38	18	21%	17%	1%	19%	11%	4%	13%	0%	4%	3%	2%	1%	1%	0%	2%	0%	141	330	LD	24	50	23	77	1	1.413	65.761	0.064	2.955	0.058	2.719
38	19	21%	17%	1%	19%	11%	4%	12%	0%	4%	3%	2%	2%	2%	0%	3%	0%	118	330	LD	24	50	23	78	1	1.419	55.256	0.063	2.452	0.058	2.256
38	20	22%	17%	0%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	0%	92	330	LD	24	50	23	79	1	1.414	42.921	0.061	1.845	0.056	1.698
38	21	21%	17%	0%	19%	11%	4%	11%	0%	5%	4%	3%	1%	1%	0%	4%	0%	81	330	LD	25	50	23	80	1	1.371	36.650	0.057	1.534	0.053	1.412

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
38	22	22%	18%	0%	18%	10%	4%	10%	0%	5%	4%	3%	1%	1%	0%	4%	1%	79	330	LD	25	50	23	81	1	1.333	34.759	0.056	1.451	0.051	1.335
38	23	22%	18%	0%	18%	10%	3%	10%	0%	4%	4%	2%	2%	2%	0%	4%	2%	68	330	LD	25	50	23	81	1	1.368	30.693	0.055	1.241	0.051	1.141
39	0	20%	11%	0%	17%	11%	3%	9%	14%	3%	3%	0%	0%	0%	0%	9%	0%	35	330	LD	25	50	23	82	1	1.488	17.182	0.054	0.624	0.050	0.575
39	1	18%	9%	0%	18%	9%	5%	9%	14%	5%	5%	0%	0%	0%	0%	9%	0%	22	330	LD	25	50	22	82	1	1.572	11.412	0.057	0.414	0.052	0.381
39	2	20%	7%	0%	20%	13%	7%	13%	13%	0%	0%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.647	8.151	0.067	0.329	0.061	0.303
39	3	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.757	8.117	0.071	0.327	0.065	0.301
39	4	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.757	8.117	0.071	0.327	0.065	0.301
39	5	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.757	8.117	0.071	0.327	0.065	0.301
39	6	12%	10%	0%	20%	12%	5%	15%	15%	2%	2%	0%	0%	0%	0%	7%	0%	41	330	LD	25	50	22	83	1	1.719	23.255	0.068	0.925	0.063	0.851
39	7	12%	9%	0%	21%	12%	5%	14%	14%	3%	3%	1%	0%	0%	0%	7%	0%	77	330	LD	25	50	22	82	1	1.691	42.962	0.070	1.771	0.064	1.630
39	8	10%	8%	1%	20%	12%	5%	14%	14%	3%	2%	1%	1%	1%	0%	6%	0%	98	330	LD	24	50	23	79	1	1.797	58.131	0.078	2.523	0.072	2.321
39	9	12%	9%	0%	20%	12%	5%	13%	14%	4%	2%	1%	1%	1%	0%	6%	0%	85	330	LD	24	50	23	77	1	1.750	49.085	0.075	2.116	0.069	1.947
39	10	15%	9%	0%	20%	12%	4%	13%	15%	3%	3%	1%	0%	0%	0%	7%	0%	76	330	LD	25	50	24	74	1	1.610	40.374	0.066	1.652	0.061	1.521
39	11	17%	10%	0%	18%	11%	4%	11%	14%	3%	3%	1%	0%	0%	0%	7%	0%	71	330	LD	25	50	25	72	1	1.540	36.082	0.062	1.453	0.057	1.337
39	12	19%	10%	0%	18%	10%	4%	10%	14%	4%	3%	1%	0%	0%	0%	8%	0%	79	330	LD	25	50	25	71	1	1.502	39.156	0.059	1.528	0.054	1.407
39	13	21%	10%	0%	18%	10%	4%	9%	14%	4%	3%	1%	0%	0%	0%	8%	0%	80	330	LD	25	50	25	71	1	1.443	38.106	0.056	1.476	0.051	1.359
39	14	24%	10%	0%	17%	10%	3%	8%	14%	4%	3%	0%	0%	0%	0%	9%	0%	79	330	LD	25	50	25	71	1	1.431	37.294	0.051	1.326	0.047	1.221
39	15	25%	10%	0%	16%	9%	2%	7%	14%	3%	3%	0%	0%	0%	1%	9%	0%	88	330	LD	24	50	25	72	1	1.497	43.480	0.051	1.488	0.047	1.369
39	16	27%	11%	0%	15%	9%	2%	6%	14%	3%	3%	0%	0%	0%	1%	9%	0%	89	330	LD	24	50	24	74	1	1.450	42.587	0.048	1.408	0.044	1.295
39	17	30%	11%	0%	14%	8%	2%	5%	13%	3%	3%	0%	0%	0%	1%	9%	0%	98	330	LD	24	50	24	76	1	1.400	45.282	0.046	1.488	0.042	1.369
39	18	28%	11%	0%	14%	9%	2%	6%	13%	3%	3%	0%	0%	0%	1%	9%	0%	90	330	LD	24	50	23	77	1	1.448	42.991	0.048	1.412	0.044	1.299
39	19	27%	11%	0%	15%	10%	3%	5%	14%	4%	3%	0%	0%	0%	0%	10%	0%	74	330	LD	25	50	23	78	1	1.385	33.831	0.046	1.128	0.043	1.038
39	20	26%	11%	0%	16%	9%	2%	7%	14%	4%	4%	0%	0%	0%	0%	9%	0%	57	330	LD	25	50	23	79	1	1.379	25.930	0.048	0.909	0.044	0.837
39	21	26%	10%	0%	16%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	50	330	LD	25	50	23	80	1	1.371	22.626	0.050	0.827	0.046	0.762
39	22	25%	10%	0%	16%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	49	330	LD	25	50	23	81	1	1.395	22.564	0.051	0.825	0.047	0.760
39	23	24%	10%	0%	17%	10%	2%	10%	15%	2%	2%	0%	0%	0%	0%	7%	0%	41	330	LD	25	50	23	81	1	1.407	19.043	0.054	0.735	0.050	0.676
40	0	32%	18%	0%	14%	8%	2%	4%	10%	2%	2%	0%	0%	0%	0%	3%	3%	90	160	LD	25	50	23	82	1	0.893	12.856	0.036	0.515	0.033	0.474
40	1	32%	18%	0%	14%	8%	2%	4%	10%	2%	2%	0%	0%	0%	0%	4%	4%	50	160	LD	25	50	22	82	1	0.940	7.521	0.035	0.282	0.032	0.259
40	2	30%	18%	0%	12%	9%	3%	3%	12%	3%	3%	0%	0%	0%	0%	3%	3%	33	160	LD	25	50	22	83	1	0.889	4.696	0.035	0.186	0.032	0.171
40	3	33%	17%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	30	160	LD	25	50	22	83	1	0.829	3.978	0.033	0.159	0.030	0.146
40	4	31%	17%	0%	14%	7%	0%	3%	14%	3%	3%	0%	0%	0%	0%	3%	3%	29	160	LD	25	50	22	83	1	0.854	3.962	0.034	0.157	0.031	0.145
40	5	31%	17%	0%	14%	7%	0%	3%	14%	3%	3%	0%	0%	0%	0%	3%	3%	29	160	LD	25	50	22	83	1	0.854	3.962	0.034	0.157	0.031	0.145
40	6	31%	16%	0%	13%	8%	1%	4%	14%	4%	3%	0%	0%	0%	0%	5%	3%	80	160	LD	25	50	22	83	1	0.987	12.640	0.037	0.471	0.034	0.433
40	7	32%	15%	0%	13%	7%	2%	4%	14%	4%	3%	0%	0%	0%	0%	5%	2%	136	160	LD	25	50	22	82	1	0.997	21.695	0.037	0.807	0.034	0.742
40	8	32%	15%	0%	12%	7%	1%	3%	15%	4%	3%	0%	0%	0%	1%	6%	2%	160	160	LD	25	50	23	79	1	1.027	26.298	0.037	0.939	0.034	0.863
40	9	32%	16%	1%	12%	7%	1%	4%	14%	3%	3%	0%	0%	0%	1%	5%	3%	154	160	LD	25	50	23	77	1	0.991	24.423	0.037	0.903	0.034	0.830
40	10	32%	16%	1%	13%	8%	1%	4%	12%	3%	3%	0%	0%	0%	0%	5%	3%	154	160	LD	25	50	24	74	1	0.952	23.458	0.036	0.887	0.033	0.815
40	11	32%	17%	1%	14%	8%	1%	5%	12%	3%	3%	0%	0%	0%	0%	4%	3%	155	160	LD	25	50	25	72	1	0.925	22.947	0.036	0.902	0.033	0.829
40	12	32%	17%	1%	14%	8%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	3%	185	160	LD	25	50	25	71	1	0.904	26.744	0.036	1.077	0.033	0.989
40	13	32%	18%	1%	14%	9%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	4%	200	160	LD	25	50	25	71	1	0.896	28.666	0.036	1.158	0.033	1.064
40	14	32%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	3%	213	160	LD	24	50	25	71	1	0.919	31.334	0.038	1.302	0.035	1.195
40	15	32%	18%	0%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	2%	4%	248	160	LD	24	50	25	72	1	0.891	35.365	0.038	1.490	0.034	1.367
40	16	33%	18%	0%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	261	160	LD	24	50	24	74	1	0.894	37.342	0.037	1.558	0.034	1.430
40	17	33%	19%	0%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	302	160	LD	24	50	24	76	1	0.868	41.958	0.037	1.787	0.034	1.640
40	18	32%	19%	0%	15%	9%	2%	6%	8%	2%	2%	0%	0%	0%	0%	2%	4%	270	160	LD	24	50	23	77	1	0.907	39.190	0.038	1.637	0.035	1.502
40	19	32%	18%	1%	15%	9%	2%	6%	8%	2%	2%	0%	0%	0%	0%	2%	4%	217	160	LD	24	50	23	78	1	0.903	31.365	0.038	1.306	0.035	1.199
40	20	32%	18%	1%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	168	160	LD	25	50	23	79	1	0.883	23.737	0.036	0.972	0.033	0.893
40	21	32%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	4%	141	160	LD	25	50	23	80	1	0.894	20.158	0.036	0.814	0.033	0.748
40	22	32%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	4%	137	160	LD	25	50	23	81	1	0.893	19.583	0.036	0.787	0.033	0.723
40	23	32%	18%	0%	14%	8%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	4%	112	160	LD	25	50	23	81	1	0.886	15.874	0.037	0.658	0.034	0.604
41	0	23%	16%	0%	16%	10%	3%	8%	15%	2%	2%	2%	0%	0%	0%	3%	2%	62	90	LD	25	50	23	82	1	1.141	6.366	0.051	0.282	0.046	0.259
41	1	22%	16%	0%	16%	11%	3%	8%	14%	3%	3%	0%	0%	0%	0%	3%	3%	37	90	LD	25	50	22	82	1	1.117	3.719	0.048	0.159	0.044	0.146
41	2	20%	16%	0%	16%	8%	4%	8%	16%	4%	4%	0%	0%	0%	0%	4%	0%	25	90	LD	25	50	22	83	1	1.195	2.689	0.051	0.114	0.047	0.105
41	3	22%	13%	0%	17%	9%	4%	9%	13%	4%	4%	0%	0%	0%	0%	4%	0%	23	90	LD	25	50	22	83	1	1.233	2.552	0.052	0.107	0.047	0.098
41	4	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	1.071	2.024	0.041	0.078	0.038	0.072
41	5	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	1.071	2.024	0.041	0.078	0.038	0.072
41	6	24%	14%	0%	16%	10%	2%	5%	16%	3%	3%	2%	0%	0%	0%	5%	2%	63	90	LD	25	50	22	83	1	1.122	6.362	0.045	0.255	0.041	0.235
41	7	23%	14%	0%	16%	10%	2%	4%	17%	4%	3%	1%	1%	1%	0%	4%	3%	115	90	LD	24	50	22	82	1	1.188	12.301	0.050	0.521	0.046	0.478
41	8	23%	14%	1%	16%	9%	1%	4%	17%	4%	3%	1%	1%	1%	0%	5%	2%	139	90	LD	24	50	23	79	1	1.167	14.599	0.048	0.597	0.044	0.548
41	9	23%	14%	1%	16%	9%	2%	5%	16%	3%	3%	1%	1%	1%	0%	5%	2%	128	90	LD	24	50	23	77	1	1.210	13.937	0.050	0.576	0.046	0.529
41	10	22%	14%	1%	16%	10%	2%	6%	15%	3%	2%	1%	1%	1%	0%	4%	2%	126	90	LD	24	50	24	74	1	1.201	13.623	0.052	0.588	0.048	0.541
41	11	22%	15%	0%	16%	10%	3%	7%	15%	3%	3%	1%	1%	1%	0%	3%	2%	116	90	LD	24	50	25	72	1	1.210	12.634	0.055	0.571	0.050	0.525
41	12	22%	15%	1%	16%	10%	3%	7%	14%	2%	2%	1%	1%	1%	0%	3%	2%	135	90	LD	24	50	25	71	1	1.191	14.467	0.054	0.656	0.050	0.603
41	13	22%	15%	1%	16%	9%	3%	8%	14%	2%	2%	1%	1%	1%	0%	3%	2%	143	90	LD	24	50	25	71	1	1.201	15.454	0.055	0.710	0.051	0.653
41	14	22%	16%	1%	16%	10%	3%	9%	14%	2%	1%	1%	1%	1%	0%	2%	2%	148	90	LD	24	50	25	71	1	1.188	15.823	0.057	0.757	0.052	0.695
41	15	22%	16%	1%	16%	10%	4%	10%	13%	2%	2%	1%	1%	1%	0%	2%	2%	167	90	LD	23	50	25	72	1	1.224	18.396	0.060	0.902	0.055	0.829
41	16	23%	16%	1%	16%	10%	4%	10%	13%	2%	1%	1%	1%	1%	0%	2%	2%	173	90	LD	23	50	24	74	1	1.231	19.168	0.060	0.930	0.055	0.854
41	17	23%	16%	1%	16%	10%	4%	10%	12%	2%	1%	1%	1%	1%	0%	2%	2%	195	90	LD	23	50	24	76	1	1.258	22.080	0.062	1.092	0.057	1.004
41	18	22%	17%	1%	16%	10%	3%	10%	13%	2%	1%	1%	1%	1%	0%	2%	2%	175	90	LD	23	50	23	77	1	1.252	19.723	0.060	0.948	0.055	0.872
41	19	22%	16%	1%	16%	10%	4%	10%	13%	1%	1%	1%	1%	1%	0%	2%	1%	143	90	LD	24	50	23	78	1	1.243	15.995	0.058	0.750	0.054	0.689
41	20	22%	16%	0%	16%	10%	4%	10%	13%	2%	2%	1%	1%	1%	0%	2%	2%	113	90	LD	24	50	23	79	1	1.229	12.503	0.059	0.597	0.054	0.549
41	21	22%	16%	0%	16%	9%	3%	9%	14%	2%	2%	1%	1%	1%	0%	2%	2%	96	90	LD	24	50	23	80	1	1.234	10.659	0.059	0.507	0.054	0.466
41	22	22%	16%	0%	16%	10%	3%	8%	14%	2%	2%	1%	1%	1%	0%	2%	2%	95	90	LD	24	50	23	81	1	1.212	10.359	0.058	0.494	0.053	0.454
41	23	23%	15%	0%	17%	9%	3%	9%	14%	3%	1%	1%	1%	1%	0%	3%	1%	79	90	LD	25	50	23	81	1	1.218	8.658	0.057	0.406	0.053	0.374
42	0	24%	31%	1%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	4%	3%	200	90	LD	23	50	23	82	1	0.990	17.815	0.038	0.675	0.034	0.620
42	1	24%	29%	0%	14%	8%	1%	3%	9%	1%	1%	1%	1%	1%	0%	3%	3%	119	90	LD	24	50	22	82	1	1.001	10.721	0.038	0.404	0.035	0.371
42	2	25%	29%	0%	15%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	3%	75	90	LD	25	50	22	83	1	0.963	6.497	0.034	0.232	0.032	0.213
42	3	26%	29%	0%	15%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	73	90	LD	25	50	22	83	1	0.894	5.874	0.034	0.226	0.032	0.208
42	4	26%	28%	0%	15%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	72	90	LD	25	50	22	83	1	0.905	5.864	0.035	0.226	0.032	0.208
42	5	26%	28%	0%	15%	9%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	69	90	LD	25	50	22	83	1	0.919	5.709	0.035	0.219	0.032	0.202
42	6	26%	27%	1%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	211	90	LD	23	50	22	83	1	1.017	19.305	0.040	0.763	0.037	0.701
42	7	26%	25%	0%	15%	8%	1%	4%	11%	1%	1%	1%	1%	1%	0%	3%	2%	380	90	LD	20	50	22	82	1	1.163	39.790	0.048	1.647	0.044	1.514
42	8	27%	25%	0%	14%	9%	2%	4%	11%	1%	1%	1%	1%	1%	0%	3%	3%	472	90	LD	19	50	23	79	1	1.167	49.583	0.049	2.102	0.045	1.932
42	9	26%	26%	1%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	420	90	LD	20	50	23	77	1	1.134	42.881	0.047	1.770	0.043	1.627
42	10	25%	27%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	3%	398	90	LD	20	50	24	74	1	1.120	40.102	0.045	1.611	0.041	1.481
42	11	25%	28%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	377	90	LD	20	50	25	72	1	1.096	37.188	0.044	1.500	0.041	1.379
42	12	25%	30%	1%	14%	8%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	428	90	LD	20	50	25	71	1	1.090	41.973	0.043	1.662	0.040	1.528
42	13	24%	31%	1%	14%	8%	1%	3%	10%	1%	1%	1%	1%	1%	0%	3%	2%	443	90	LD	20	50	25	71	1	1.093	43.565	0.043	1.700	0.039	1.562
42	14	24%	32%	0%	14%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	2%	458	90	LD	19	50	25	71	1	1.121	46.220	0.043	1.791	0.040	1.646
42	15	23%	33%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	515	90	LD	19	50	25	72	1	1.110	51.442	0.043	1.981	0.039	1.821
42	16	23%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	531	90	LD	18	50	24	74	1	1.143	54.624	0.044	2.090	0.040	1.920
42	17	22%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	595	90	LD	17	50	24	76	1	1.162	62.218	0.044	2.380	0.041	2.188
42	18	22%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	539	90	LD	18	50	23	77	1	1.161	56.312	0.044	2.124	0.040	1.951
42	19	23%	33%	1%	14%	8%	1%	3%	9%	1%	1%	1%	1%	1%	0%	3%	2%	442	90	LD	20	50	23	78	1	1.093	43.466	0.041	1.627	0.038	1.496
42	20	23%	33%	0%	14%	8%	1%	3%	9%	1%	0%	1%	0%	0%	0%	4%	2%	346	90	LD	21	50	23	79	1	1.050	32.694	0.038	1.199	0.035	1.101
42	21	23%	32%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	298	90	LD	22	50	23	80	1	1.022	27.404	0.038	1.013	0.035	0.931
42	22	23%	32%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	290	90	LD	22	50	23	81	1	1.009	26.322	0.038	0.979	0.034	0.899
42	23	24%	31%	0%	14%	9%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	246	90	LD	22	50	23	81	1	1.026	22.715	0.039	0.855	0.035	0.785
43	0	22%	11%	0%	22%	11%	0%	6%	0%	11%	6%	6%	0%	0%	0%	6%	0%	18	70	LD	25	50	23	82	1	1.162	1.464	0.045	0.056	0.041	0.052
43	1	25%	17%	0%	17%	8%	0%	8%	0%	8%	8%	0%	0%	0%	0%	8%	0%	12	70	LD	25	50	22	82	1	1.305	1.096	0.040	0.034	0.037	0.031
43	2	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.615	0.345	0.026	0.015	0.024	0.013
43	3	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.615	0.345	0.026	0.015	0.024	0.013
43	4	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	1.332	0.746	0.029	0.016	0.027	0.015
43	5	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	1.332	0.746	0.029	0.016	0.027	0.015
43	6	21%	14%	0%	14%	7%	0%	4%	0%	11%	7%	4%	4%	4%	0%	7%	4%	28	70	LD	25	50	22	83	1	1.447	2.836	0.055	0.108	0.051	0.099
43	7	21%	13%	0%	13%	7%	2%	4%	0%	11%	9%	4%	4%	4%	0%	7%	4%	56	70	LD	25	50	22	82	1	1.489	5.836	0.057	0.224	0.053	0.206
43	8	23%	14%	0%	13%	7%	1%	3%	0%	11%	9%	4%	3%	3%	0%	7%	3%	71	70	LD	25	50	23	79	1	1.361	6.766	0.051	0.255	0.047	0.234
43	9	22%	13%	0%	13%	8%	2%	3%	0%	10%	8%	3%	3%	3%	0%	7%	3%	60	70	LD	25	50	23	77	1	1.434	6.023	0.055	0.229	0.050	0.211
43	10	22%	14%	0%	16%	10%	2%	4%	0%	10%	8%	4%	2%	2%	0%	6%	2%	51	70	LD	25	50	24	74	1	1.315	4.696	0.050	0.180	0.046	0.165
43	11	22%	13%	0%	18%	9%	2%	4%	0%	9%	7%	4%	2%	2%	0%	4%	2%	45	70	LD	25	50	25	72	1	1.247	3.927	0.052	0.165	0.048	0.152
43	12	21%	13%	0%	19%	10%	2%	6%	0%	8%	6%	4%	2%	2%	0%	4%	2%	48	70	LD	25	50	25	71	1	1.319	4.431	0.056	0.188	0.051	0.172
43	13	22%	11%	0%	20%	11%	2%	7%	0%	7%	7%	2%	2%	2%	0%	4%	2%	45	70	LD	25	50	25	71	1	1.337	4.213	0.055	0.174	0.051	0.160
43	14	21%	12%	0%	21%	14%	2%	7%	0%	7%	5%	2%	2%	2%	0%	2%	2%	43	70	LD	25	50	25	71	1	1.271	3.825	0.056	0.170	0.052	0.156
43	15	20%	11%	0%	24%	13%	2%	9%	0%	7%	4%	2%	2%	2%	0%	2%	0%	45	70	LD	25	50	25	72	1	1.312	4.134	0.060	0.188	0.055	0.173
43	16	19%	10%	0%	26%	17%	2%	10%	0%	5%	5%	2%	2%	2%	0%	0%	0%	42	70	LD	25	50	24	74	1	1.303	3.831	0.063	0.186	0.058	0.171
43	17	18%	9%	0%	27%	16%	5%	11%	0%	5%	2%	2%	2%	2%	0%	0%	0%	44	70	LD	25	50	24	76	1	1.368	4.212	0.068	0.209	0.063	0.193
43	18	19%	10%	0%	26%	17%	2%	10%	0%	5%	5%	2%	2%	2%	0%	0%	0%	42	70	LD	25	50	23	77	1	1.312	3.857	0.063	0.186	0.058	0.171
43	19	19%	11%	0%	25%	14%	3%	8%	0%	6%	6%	3%	3%	3%	0%	0%	0%	36	70	LD	25	50	23	78	1	1.277	3.217	0.063	0.158	0.058	0.146
43	20	19%	10%	0%	23%	13%	3%	10%	0%	7%	3%	3%	3%	3%	0%	3%	0%	31	70	LD	25	50	23	79	1	1.527	3.313	0.069	0.150	0.064	0.138
43	21	18%	11%	0%	21%	14%	4%	7%	0%	7%	4%	4%	4%	4%	0%	4%	0%	28	70	LD	25	50	23	80	1	1.532	3.003	0.068	0.133	0.063	0.123
43	22	20%	10%	0%	20%	13%	3%	7%	0%	7%	7%	3%	3%	3%	0%	3%	0%	30	70	LD	25	50	23	81	1	1.447	3.039	0.064	0.135	0.059	0.125
43	23	19%	12%	0%	19%	12%	4%	8%	0%	8%	4%	4%	4%	4%	0%	4%	0%	26	70	LD	25	50	23	81	1	1.531	2.787	0.069	0.125	0.063	0.115
44	0	31%	13%	0%	14%	9%	1%	4%	15%	2%	2%	0%	0%	0%	0%	4%	3%	91	70	LD	25	50	23	82	1	0.987	6.285	0.040	0.253	0.036	0.232
44	1	31%	12%	0%	16%	10%	2%	4%	16%	2%	2%	0%	0%	0%	0%	4%	2%	51	70	LD	25	50	22	82	1	0.994	3.549	0.041	0.145	0.037	0.133
44	2	29%	12%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	34	70	LD	25	50	22	83	1	1.000	2.379	0.044	0.104	0.040	0.095
44	3	27%	12%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	33	70	LD	25	50	22	83	1	1.032	2.384	0.045	0.104	0.041	0.095
44	4	28%	9%	0%	16%	9%	3%	6%	16%	3%	3%	0%	0%	0%	0%	3%	3%	32	70	LD	25	50	22	83	1	1.051	2.354	0.046	0.104	0.043	0.095
44	5	26%	10%	0%	16%	10%	3%	7%	16%	3%	3%	0%	0%	0%	0%	3%	3%	31	70	LD	25	50	22	83	1	1.083	2.350	0.048	0.103	0.044	0.095
44	6	27%	9%	0%	15%	9%	2%	7%	19%	2%	2%	0%	0%	0%	0%	5%	2%	86	70	LD	25	50	22	83	1	1.173	7.060	0.049	0.296	0.045	0.272
44	7	26%	9%	1%	16%	10%	3%	7%	20%	3%	2%	0%	0%	0%	0%	4%	1%	148	70	LD	23	50	22	82	1	1.235	12.790	0.056	0.576	0.051	0.529

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
44	8	25%	8%	1%	15%	9%	3%	8%	20%	3%	2%	0%	0%	0%	1%	4%	1%	183	70	LD	23	50	23	79	1	1.307	16.746	0.058	0.743	0.053	0.683
44	9	26%	9%	1%	15%	9%	2%	7%	19%	3%	2%	0%	0%	0%	1%	4%	2%	170	70	LD	23	50	23	77	1	1.241	14.763	0.054	0.642	0.050	0.590
44	10	28%	10%	1%	15%	9%	2%	6%	18%	2%	2%	0%	0%	0%	1%	4%	2%	166	70	LD	23	50	24	74	1	1.187	13.791	0.051	0.588	0.047	0.541
44	11	29%	12%	1%	15%	9%	2%	6%	17%	3%	2%	0%	0%	0%	0%	4%	3%	162	70	LD	23	50	25	72	1	1.100	12.475	0.048	0.542	0.044	0.498
44	12	30%	12%	1%	15%	9%	2%	5%	16%	2%	2%	0%	0%	0%	1%	4%	3%	191	70	LD	23	50	25	71	1	1.088	14.546	0.045	0.602	0.041	0.553
44	13	31%	13%	1%	15%	9%	2%	4%	15%	3%	2%	0%	0%	0%	1%	4%	3%	203	70	LD	23	50	25	71	1	1.031	14.644	0.042	0.602	0.039	0.553
44	14	32%	14%	1%	15%	9%	1%	3%	14%	2%	2%	0%	0%	0%	1%	4%	3%	213	70	LD	23	50	25	71	1	1.001	14.927	0.040	0.591	0.036	0.543
44	15	34%	14%	0%	14%	9%	1%	3%	14%	2%	2%	0%	0%	0%	0%	4%	4%	245	70	LD	22	50	25	72	1	0.986	16.906	0.039	0.676	0.036	0.621
44	16	34%	15%	0%	14%	9%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	258	70	LD	22	50	24	74	1	0.980	17.698	0.038	0.679	0.035	0.623
44	17	35%	15%	0%	14%	9%	1%	2%	12%	2%	2%	0%	0%	0%	0%	4%	4%	294	70	LD	22	50	24	76	1	0.922	18.970	0.035	0.730	0.033	0.669
44	18	34%	15%	0%	15%	8%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	262	70	LD	22	50	23	77	1	0.978	17.934	0.037	0.685	0.034	0.629
44	19	34%	15%	1%	15%	8%	1%	2%	13%	2%	2%	0%	0%	0%	1%	4%	4%	214	70	LD	23	50	23	78	1	0.965	14.454	0.037	0.549	0.034	0.504
44	20	33%	15%	1%	15%	9%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	165	70	LD	24	50	23	79	1	0.917	10.596	0.036	0.412	0.033	0.378
44	21	33%	14%	1%	14%	9%	1%	3%	14%	2%	1%	0%	0%	0%	0%	4%	4%	139	70	LD	24	50	23	80	1	0.930	9.048	0.036	0.354	0.033	0.325
44	22	32%	13%	1%	15%	9%	2%	3%	14%	2%	2%	0%	0%	0%	0%	4%	4%	136	70	LD	24	50	23	81	1	0.956	9.104	0.038	0.362	0.035	0.332
44	23	32%	14%	0%	14%	9%	1%	4%	14%	2%	2%	0%	0%	0%	0%	5%	4%	111	70	LD	24	50	23	81	1	0.980	7.611	0.039	0.302	0.036	0.277
45	0	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	313	70	LD	24	50	23	82	1	1.235	27.068	0.052	1.148	0.048	1.055
45	1	27%	21%	1%	12%	7%	4%	12%	6%	2%	1%	1%	1%	1%	0%	3%	3%	188	70	LD	25	50	22	82	1	1.231	16.201	0.051	0.678	0.047	0.623
45	2	27%	21%	0%	12%	7%	4%	12%	7%	2%	1%	1%	0%	0%	0%	3%	3%	123	70	LD	25	50	22	83	1	1.200	10.329	0.050	0.428	0.046	0.394
45	3	27%	21%	0%	12%	7%	4%	12%	7%	2%	1%	1%	0%	0%	0%	3%	3%	122	70	LD	25	50	22	83	1	1.202	10.264	0.050	0.425	0.046	0.391
45	4	27%	22%	0%	12%	7%	4%	12%	7%	2%	1%	1%	0%	0%	0%	3%	3%	122	70	LD	25	50	22	83	1	1.191	10.171	0.049	0.422	0.045	0.388
45	5	27%	22%	0%	11%	7%	4%	12%	7%	2%	1%	1%	0%	1%	0%	3%	3%	122	70	LD	25	50	22	83	1	1.236	10.553	0.051	0.440	0.047	0.404
45	6	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	1%	1%	0%	3%	3%	369	70	LD	23	50	22	83	1	1.340	34.610	0.057	1.485	0.053	1.364
45	7	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	673	70	LD	21	50	22	82	1	1.418	66.808	0.063	2.977	0.058	2.735
45	8	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	1%	1%	0%	3%	4%	854	70	LD	19	50	23	79	1	1.516	90.614	0.070	4.186	0.064	3.846
45	9	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	735	70	LD	20	50	23	77	1	1.455	74.885	0.066	3.373	0.060	3.100
45	10	27%	22%	0%	11%	7%	4%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	680	70	LD	21	50	24	74	1	1.399	66.593	0.062	2.960	0.057	2.720
45	11	27%	21%	0%	12%	7%	4%	12%	6%	1%	1%	1%	0%	0%	0%	3%	3%	618	70	LD	21	50	25	72	1	1.360	58.855	0.061	2.638	0.056	2.424
45	12	27%	21%	0%	12%	7%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	685	70	LD	21	50	25	71	1	1.363	65.362	0.060	2.896	0.056	2.661
45	13	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	689	70	LD	21	50	25	71	1	1.359	65.533	0.060	2.894	0.055	2.660
45	14	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	694	70	LD	21	50	25	71	1	1.353	65.712	0.059	2.878	0.054	2.646
45	15	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	762	70	LD	20	50	25	72	1	1.386	73.936	0.062	3.284	0.057	3.020
45	16	27%	20%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	767	70	LD	20	50	24	74	1	1.391	74.662	0.061	3.275	0.056	3.012
45	17	27%	19%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	836	70	LD	19	50	24	76	1	1.396	81.705	0.062	3.641	0.057	3.348
45	18	27%	20%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	769	70	LD	20	50	23	77	1	1.400	75.382	0.061	3.276	0.056	3.012
45	19	27%	20%	0%	15%	9%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	2%	639	70	LD	21	50	23	78	1	1.352	60.474	0.059	2.628	0.054	2.416
45	20	27%	20%	0%	14%	9%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	508	70	LD	22	50	23	79	1	1.302	46.297	0.056	1.986	0.051	1.826
45	21	27%	20%	1%	14%	8%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	2%	443	70	LD	22	50	23	80	1	1.298	40.264	0.056	1.729	0.051	1.590
45	22	27%	20%	1%	14%	8%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	3%	441	70	LD	23	50	23	81	1	1.251	38.630	0.054	1.658	0.049	1.523
45	23	27%	21%	0%	13%	8%	4%	11%	6%	1%	1%	1%	0%	0%	0%	3%	3%	378	70	LD	23	50	23	81	1	1.275	33.725	0.055	1.449	0.050	1.331
46	0	20%	16%	0%	9%	6%	8%	24%	8%	2%	1%	1%	1%	1%	0%	2%	1%	144	280	LD	23	50	23	82	1	1.747	70.432	0.088	3.541	0.081	3.256
46	1	20%	17%	0%	8%	5%	8%	25%	8%	2%	1%	1%	0%	0%	0%	2%	1%	84	280	LD	24	50	22	82	1	1.697	39.919	0.082	1.922	0.075	1.767
46	2	19%	18%	0%	9%	5%	9%	25%	9%	2%	2%	0%	0%	0%	0%	2%	2%	57	280	LD	25	50	22	83	1	1.606	25.628	0.076	1.221	0.070	1.123
46	3	19%	18%	0%	7%	5%	9%	25%	9%	2%	2%	0%	0%	0%	0%	4%	2%	57	280	LD	25	50	22	83	1	1.702	27.171	0.077	1.227	0.071	1.129
46	4	18%	18%	0%	7%	5%	9%	25%	9%	2%	2%	0%	0%	0%	0%	4%	2%	56	280	LD	25	50	22	83	1	1.731	27.141	0.078	1.222	0.072	1.124
46	5	18%	19%	0%	7%	4%	9%	26%	9%	2%	2%	0%	0%	0%	0%	4%	2%	57	280	LD	25	50	22	83	1	1.741	27.788	0.079	1.264	0.073	1.163
46	6	16%	19%	0%	7%	4%	9%	26%	8%	2%	2%	1%	1%	1%	0%	3%	2%	172	280	LD	23	50	22	83	1	1.873	90.194	0.090	4.357	0.083	4.005
46	7	16%	20%	0%	6%	4%	9%	26%	8%	2%	2%	1%	1%	1%	0%	3%	3%	317	280	LD	20	50	22	82	1	2.110	187.264	0.104	9.269	0.096	8.522
46	8	15%	20%	0%	6%	4%	9%	26%	9%	2%	2%	1%	1%	1%	0%	3%	3%	402	280	LD	18	50	23	79	1	2.245	252.649	0.115	12.982	0.106	11.936
46	9	16%	19%	0%	7%	4%	9%	25%	8%	2%	2%	1%	1%	1%	0%	3%	2%	346	280	LD	20	50	23	77	1	2.080	201.534	0.104	10.077	0.096	9.265
46	10	17%	18%	0%	7%	4%	9%	25%	8%	2%	2%	1%	1%	1%	0%	3%	2%	318	280	LD	20	50	24	74	1	2.044	181.962	0.103	9.197	0.095	8.456
46	11	18%	17%	0%	8%	5%	9%	25%	8%	2%	2%	1%	0%	0%	0%	3%	2%	288	280	LD	21	50	25	72	1	1.905	153.620	0.096	7.711	0.088	7.091
46	12	20%	17%	0%	8%	5%	9%	24%	8%	2%	2%	1%	0%	0%	0%	3%	2%	315	280	LD	20	50	25	71	1	1.949	171.874	0.100	8.782	0.092	8.076
46	13	21%	16%	0%	9%	5%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	2%	316	280	LD	20	50	25	71	1	1.915	169.454	0.099	8.730	0.091	8.029
46	14	22%	15%	0%	10%	6%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	1%	317	280	LD	20	50	25	71	1	1.880	166.872	0.098	8.696	0.090	7.998
46	15	23%	14%	0%	10%	6%	8%	23%	8%	2%	1%	1%	0%	0%	0%	2%	1%	346	280	LD	20	50	25	72	1	1.839	178.194	0.097	9.382	0.089	8.630
46	16	24%	13%	0%	11%	6%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	343	280	LD	20	50	24	74	1	1.826	175.356	0.096	9.228	0.088	8.489
46	17	25%	12%	0%	11%	7%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	374	280	LD	19	50	24	76	1	1.852	193.948	0.100	10.449	0.092	9.615
46	18	24%	13%	0%	11%	6%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	344	280	LD	20	50	23	77	1	1.835	176.718	0.096	9.247	0.088	8.508
46	19	24%	13%	0%	11%	6%	8%	23%	7%	2%	1%	0%	0%	0%	0%	2%	1%	284	280	LD	21	50	23	78	1	1.789	142.225	0.092	7.333	0.085	6.747
46	20	23%	14%	0%	10%	6%	8%	24%	7%	2%	2%	0%	0%	0%	0%	2%	1%	230	280	LD	22	50	23	79	1	1.731	111.498	0.088	5.696	0.081	5.239
46	21	22%	14%	1%	10%	6%	8%	23%	7%	2%	2%	1%	1%	1%	0%	2%	1%	202	280	LD	22	50	23	80	1	1.751	99.036	0.089	5.033	0.082	4.630
46	22	22%	15%	1%	9%	5%	8%	24%	7%	2%	2%	1%	1%	1%	0%	2%	2%	202	280	LD	22	50	23	81	1	1.756	99.310	0.090	5.072	0.082	4.665
46	23	21%	15%	0%	9%	5%	9%	24%	8%	2%	2%	1%	1%	1%	0%	2%	1%	171	280	LD	23	50	23	81	1	1.751	83.831	0.087	4.185	0.080	3.848
47	0	13%	43%	0%	11%	6%	2%	4%	19%	0%	0%	2%	0%	0%	0%	0%	0%	47	280	LD	25	50	23	82	1	0.808	10.630	0.038	0.495	0.035	0.456
47	1	15%	41%	0%	11%	7%	0%	4%	22%	0%	0%	0%	0%	0%	0%	0%	0%	27	280	LD	25	50	22	82	1	0.760	5.743	0.034	0.256	0.031	0.236
47	2	13%	38%	0%	13%	6%	0%	6%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	280	LD	25	50	22	83	1	0.857	3.842	0.041	0.184	0.038	0.170
47	3	13%	33%	0%	13%	7%	0%	7%	27%	0%	0%	0%	0%	0%	0%	0%	0%	15	280	LD	25	50	22	83	1	0.885	3.715	0.044	0.184	0.040	0.169
47	4	14%	29%	0%	14%	7%	0%	7%	29%	0%	0%	0%	0%	0%	0%	0%	0%	14	280	LD	25	50	22	83	1	0.913	3.579	0.047	0.183	0.043	0.169
47	5	17%	25%	0%	8%	8%	0%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	12	280	LD	25	50	22	83	1	0.966	3.247	0.051	0.170	0.047	0.157
47	6	13%	20%	0%	10%	5%	3%	8%	30%	3%	3%	3%	3%	3%	0%	0%	0%	40	280	LD	25	50	22	83	1	1.226	13.731	0.068	0.763	0.063	0.703
47	7	13%	14%	0%	11%	6%	3%	8%	36%	2%	2%	3%	2%	2%	0%	0%	0%	64	280	LD	25	50	22	82	1	1.227	21.991	0.070	1.258	0.065	1.158
47	8	11%	7%	0%	11%	7%	3%	8%	41%	3%	1%	4%	3%	3%	0%	0%	0%	74	280	LD	25	50	23	79	1	1.370	28.383	0.082	1.696	0.075	1.562
47	9	12%	19%	0%	11%	7%	3%	7%	33%	1%	1%	3%	1%	3%	0%	0%	0%	75	280	LD	25	50	23	77	1	1.220	25.630	0.067	1.417	0.062	1.304
47	10	13%	27%	0%	10%	6%	3%	5%	28%	1%	1%	3%	1%	1%	0%	0%	0%	78	280	LD	25	50	24	74	1	1.035	22.608	0.056	1.214	0.051	1.117
47	11	13%	33%	0%	10%	6%	1%	5%	24%	1%	1%	1%	1%	1%	0%	0%	0%	78	280	LD	25	50	25	72	1	0.960	20.960	0.049	1.073	0.045	0.988
47	12	13%	38%	0%	10%	6%	1%	4%	22%	1%	1%	1%	1%	1%	0%	0%	0%	97	280	LD	25	50	25	71	1	0.871	23.658	0.042	1.147	0.039	1.057
47	13	13%	43%	0%	10%	7%	1%	4%	19%	1%	1%	1%	1%	1%	0%	0%	0%	108	280	LD	24	50	25	71	1	0.852	25.753	0.040	1.206	0.037	1.109
47	14	14%	47%	0%	10%	6%	1%	3%	16%	0%	0%	1%	1%	1%	0%	0%	1%	116	280	LD	24	50	25	71	1	0.793	25.751	0.035	1.152	0.033	1.059
47	15	14%	50%	0%	10%	6%	1%	2%	15%	0%	0%	1%	1%	1%	0%	0%	1%	137	280	LD	24	50	25	72	1	0.734	28.165	0.031	1.199	0.029	1.102
47	16	14%	52%	0%	10%	6%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	149	280	LD	24	50	24	74	1	0.730	30.449	0.029	1.230	0.027	1.130
47	17	14%	53%	0%	10%	6%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	174	280	LD	24	50	24	76	1	0.698	33.993	0.027	1.322	0.025	1.216
47	18	14%	52%	0%	10%	6%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	155	280	LD	24	50	23	77	1	0.712	30.921	0.028	1.214	0.026	1.116
47	19	14%	51%	0%	11%	6%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	124	280	LD	24	50	23	78	1	0.757	26.269	0.031	1.085	0.029	0.997
47	20	14%	49%	0%	10%	6%	1%	2%	14%	0%	0%	1%	1%	1%	0%	0%	1%	96	280	LD	25	50	23	79	1	0.767	20.623	0.032	0.858	0.029	0.789
47	21	14%	48%	0%	10%	6%	1%	3%	15%	0%	0%	1%	0%	1%	0%	0%	0%	79	280	LD	25	50	23	80	1	0.777	17.177	0.033	0.724	0.030	0.666
47	22	13%	45%	0%	11%	7%	1%	3%	16%	0%	0%	1%	1%	1%	0%	0%	0%	75	280	LD	25	50	23	81	1	0.839	17.616	0.038	0.791	0.035	0.729
47	23	13%	44%	0%	10%	7%	2%	3%	18%	0%	0%	2%	0%	2%	0%	0%	0%	61	280	LD	25	50	23	81	1	0.848	14.479	0.038	0.651	0.035	0.600
48	0	5%	6%	0%	11%	6%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	2%	65	300	LD	25	50	23	82	1	2.585	50.412	0.134	2.619	0.124	2.409
48	1	5%	8%	0%	10%	5%	18%	53%	0%	0%	0%	0%	0%	0%	0%	0%	3%	40	300	LD	25	50	22	82	1	2.599	31.188	0.133	1.593	0.122	1.465
48	2	4%	8%	0%	8%	4%	19%	54%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26	300	LD	25	50	22	83	1	2.646	20.640	0.136	1.060	0.125	0.975
48	3	4%	8%	0%	8%	4%	19%	54%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26	300	LD	25	50	22	83	1	2.646	20.640	0.136	1.060	0.125	0.975
48	4	7%	7%	0%	7%	4%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	300	LD	25	50	22	83	1	2.554	20.691	0.131	1.064	0.121	0.978
48	5	7%	7%	0%	7%	4%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	300	LD	25	50	22	83	1	2.554	20.691	0.131	1.064	0.121	0.978
48	6	6%	10%	0%	7%	5%	18%	51%	0%	0%	0%	0%	0%	0%	0%	0%	4%	83	300	LD	24	50	22	83	1	2.602	64.791	0.135	3.371	0.124	3.098
48	7	6%	10%	0%	7%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	154	300	LD	23	50	22	82	1	2.719	125.632	0.144	6.664	0.133	6.125
48	8	6%	11%	0%	6%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	197	300	LD	22	50	23	79	1	2.793	165.071	0.152	8.971	0.140	8.247
48	9	6%	10%	0%	7%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	168	300	LD	22	50	23	77	1	2.828	142.540	0.153	7.700	0.140	7.079
48	10	6%	9%	0%	8%	5%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	3%	153	300	LD	23	50	24	74	1	2.741	125.794	0.147	6.734	0.135	6.190
48	11	5%	8%	0%	9%	5%	18%	51%	0%	0%	0%	1%	0%	0%	0%	0%	3%	135	300	LD	23	50	25	72	1	2.690	108.964	0.145	5.879	0.133	5.404
48	12	5%	7%	0%	10%	5%	18%	51%	0%	0%	0%	1%	0%	0%	0%	0%	3%	148	300	LD	23	50	25	71	1	2.724	120.957	0.147	6.514	0.135	5.989
48	13	6%	6%	0%	10%	6%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	2%	144	300	LD	23	50	25	71	1	2.751	118.847	0.148	6.385	0.136	5.871
48	14	5%	5%	0%	11%	7%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	143	300	LD	23	50	25	71	1	2.778	119.185	0.149	6.400	0.137	5.885
48	15	5%	4%	0%	12%	7%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	155	300	LD	22	50	25	72	1	2.863	133.122	0.157	7.311	0.145	6.725
48	16	5%	3%	1%	13%	8%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	153	300	LD	23	50	24	74	1	2.814	129.166	0.150	6.908	0.138	6.353
48	17	4%	1%	1%	14%	9%	18%	52%	0%	1%	0%	0%	0%	0%	0%	0%	0%	164	300	LD	22	50	24	76	1	2.906	142.988	0.159	7.840	0.147	7.213
48	18	5%	2%	1%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	151	300	LD	23	50	23	77	1	2.862	129.639	0.152	6.897	0.140	6.344
48	19	5%	2%	0%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	127	300	LD	23	50	23	78	1	2.850	108.584	0.152	5.793	0.140	5.328
48	20	5%	3%	0%	13%	8%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	103	300	LD	24	50	23	79	1	2.723	84.132	0.143	4.419	0.132	4.064
48	21	4%	4%	0%	12%	7%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	90	300	LD	24	50	23	80	1	2.701	72.920	0.142	3.847	0.131	3.538
48	22	6%	4%	0%	11%	7%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	90	300	LD	24	50	23	81	1	2.684	72.457	0.142	3.835	0.131	3.527
48	23	5%	5%	0%	10%	7%	18%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	77	300	LD	24	50	23	81	1	2.701	62.392	0.143	3.298	0.131	3.033
49	0	10%	16%	0%	19%	13%	10%	29%	0%	0%	0%	0%	0%	0%	0%	0%	3%	31	300	LD	25	50	23	82	1	1.756	16.329	0.086	0.796	0.079	0.732
49	1	11%	16%	0%	21%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19	300	LD	25	50	22	82	1	1.858	10.589	0.091	0.517	0.083	0.476
49	2	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	1.963	6.479	0.096	0.318	0.089	0.292
49	3	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	1.963	6.479	0.096	0.318	0.089	0.292
49	4	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	1.832	6.594	0.088	0.317	0.081	0.292
49	5	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	1.832	6.594	0.088	0.317	0.081	0.292
49	6	5%	24%	0%	18%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38	300	LD	25	50	22	83	1	1.863	21.241	0.089	1.016	0.082	0.935
49	7	5%	24%	0%	18%	11%	11%	30%	0%	0%	0%	1%	0%	0%	0%	0%	0%	74	300	LD	25	50	22	82	1	1.834	40.724	0.088	1.946	0.081	1.791
49	8	4%	25%	0%	17%	10%	10%	29%	0%	1%	0%	1%	1%	1%	0%	0%	0%	96	300	LD	24	50	23	79	1	1.934	55.706	0.095	2.745	0.088	2.525
49	9	5%	24%	0%	18%	10%	10%	30%	0%	1%	0%	1%	0%	0%	0%	0%	0%	79	300	LD	24	50	23	77	1	1.886	44.700	0.092	2.188	0.085	2.012
49	10	7%	21%	0%	18%	11%	10%	30%	0%	0%	0%	1%	0%	0%	0%	0%	1%	71	300	LD	25	50	24	74	1	1.805	38.455	0.087	1.859	0.080	1.710
49	11	8%	19%	0%	19%	11%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	63	300	LD	25	50	25	72	1	1.803	34.085	0.088	1.666	0.081	1.533
49	12	9%	17%	0%	20%	12%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	66	300	LD	25	50	25	71	1	1.816	35.967	0.089	1.755	0.082	1.614
49	13	11%	15%	0%	20%	12%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	66	300	LD	25	50	25	71	1	1.811	35.853	0.089	1.757	0.082	1.616
49	14	12%	12%	0%	21%	12%	11%	29%	0%	0%	0%	0%	0%	0%	0%	0%	3%	66	300	LD	25	50	25	71	1	1.760	34.853	0.087	1.720	0.080	1.581
49	15	13%	9%	0%	21%	13%	10%	30%	0%	1%	0%	0%	0%	0%	0%	0%	3%	70	300	LD	25	50	25	72	1	1.787	37.527	0.089	1.874	0.082	1.723
49	16	15%	6%	0%	22%	13%	10%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	69	300	LD	25	50	24	74	1	1.769	36.616	0.088	1.820	0.081	1.673
49	17	17%	3%	0%	22%	14%	10%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	72	300	LD	25	50	24	76	1	1.762	38.050	0.089	1.915	0.081	1.760

2018 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
49	18	15%	4%	0%	22%	13%	10%	29%	0%	2%	0%	0%	0%	0%	0%	0%	4%	68	300	LD	25	50	23	77	1	1.801	36.749	0.089	1.822	0.082	1.675
49	19	14%	7%	0%	21%	13%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	4%	56	300	LD	25	50	23	78	1	1.830	30.736	0.091	1.523	0.083	1.400
49	20	13%	9%	0%	21%	13%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	4%	47	300	LD	25	50	23	79	1	1.812	25.544	0.090	1.262	0.082	1.160
49	21	13%	10%	0%	23%	13%	10%	30%	0%	0%	0%	0%	0%	0%	0%	0%	3%	40	300	LD	25	50	23	80	1	1.800	21.605	0.089	1.070	0.082	0.984
49	22	12%	12%	0%	22%	12%	10%	29%	0%	0%	0%	0%	0%	0%	0%	0%	2%	41	300	LD	25	50	23	81	1	1.763	21.687	0.087	1.072	0.080	0.986
49	23	11%	14%	0%	19%	11%	11%	31%	0%	0%	0%	0%	0%	0%	0%	0%	3%	36	300	LD	25	50	23	81	1	1.811	19.557	0.090	0.967	0.082	0.890
50	0	46%	15%	0%	23%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13	260	LD	25	50	23	82	1	0.530	1.792	0.021	0.072	0.020	0.066
50	1	43%	14%	0%	29%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7	260	LD	25	50	22	82	1	0.556	1.011	0.023	0.042	0.021	0.039
50	2	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.615	0.800	0.022	0.028	0.020	0.026
50	3	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.615	0.800	0.022	0.028	0.020	0.026
50	4	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.661	0.687	0.027	0.028	0.025	0.026
50	5	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.661	0.687	0.027	0.028	0.025	0.026
50	6	40%	10%	0%	30%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10	260	LD	25	50	22	83	1	0.647	1.682	0.026	0.068	0.024	0.063
50	7	39%	6%	0%	33%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18	260	LD	25	50	22	82	1	0.694	3.248	0.029	0.135	0.027	0.125
50	8	35%	4%	0%	35%	22%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	23	260	LD	25	50	23	79	1	0.690	4.127	0.030	0.178	0.027	0.164
50	9	41%	9%	0%	32%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22	260	LD	25	50	23	77	1	0.626	3.583	0.026	0.151	0.024	0.139
50	10	43%	10%	0%	29%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21	260	LD	25	50	24	74	1	0.615	3.360	0.025	0.139	0.023	0.128
50	11	41%	14%	0%	27%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	22	260	LD	25	50	25	72	1	0.541	3.094	0.023	0.131	0.021	0.120
50	12	42%	15%	0%	23%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	26	260	LD	25	50	25	71	1	0.549	3.714	0.022	0.147	0.020	0.135
50	13	44%	15%	0%	22%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	260	LD	25	50	25	71	1	0.530	3.720	0.021	0.148	0.019	0.136
50	14	47%	17%	0%	20%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	30	260	LD	25	50	25	71	1	0.494	3.854	0.019	0.152	0.018	0.139
50	15	46%	17%	0%	20%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	35	260	LD	25	50	25	72	1	0.471	4.282	0.019	0.172	0.017	0.157
50	16	46%	19%	0%	19%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	37	260	LD	25	50	24	74	1	0.463	4.455	0.018	0.174	0.017	0.159
50	17	49%	20%	0%	17%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	41	260	LD	25	50	24	76	1	0.429	4.578	0.017	0.179	0.015	0.164
50	18	47%	18%	0%	18%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	38	260	LD	25	50	23	77	1	0.455	4.500	0.018	0.175	0.016	0.160
50	19	47%	20%	0%	20%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	30	260	LD	25	50	23	78	1	0.454	3.539	0.018	0.139	0.016	0.128
50	20	48%	17%	0%	17%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	23	260	LD	25	50	23	79	1	0.480	2.873	0.018	0.110	0.017	0.101
50	21	47%	16%	0%	21%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	19	260	LD	25	50	23	80	1	0.459	2.267	0.019	0.094	0.017	0.086
50	22	47%	16%	0%	21%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	19	260	LD	25	50	23	81	1	0.457	2.258	0.019	0.094	0.017	0.086
50	23	44%	19%	0%	19%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	16	260	LD	25	50	23	81	1	0.492	2.045	0.019	0.079	0.017	0.072
51	0	13%	37%	0%	11%	6%	4%	11%	17%	0%	0%	2%	0%	0%	0%	0%	0%	54	120	LD	25	50	23	82	1	1.036	6.711	0.051	0.328	0.047	0.302
51	1	13%	37%	0%	10%	7%	3%	10%	20%	0%	0%	0%	0%	0%	0%	0%	0%	30	120	LD	25	50	22	82	1	1.013	3.646	0.048	0.172	0.044	0.158
51	2	11%	33%	0%	11%	6%	6%	11%	22%	0%	0%	0%	0%	0%	0%	0%	0%	18	120	LD	25	50	22	83	1	1.097	2.370	0.054	0.117	0.050	0.108
51	3	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	1.137	2.320	0.057	0.117	0.053	0.108
51	4	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	1.137	2.320	0.057	0.117	0.053	0.108
51	5	13%	25%	0%	13%	6%	6%	13%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	120	LD	25	50	22	83	1	1.181	2.268	0.061	0.117	0.056	0.108
51	6	12%	16%	0%	12%	8%	4%	14%	24%	2%	2%	2%	2%	2%	0%	0%	0%	50	120	LD	25	50	22	83	1	1.431	8.586	0.077	0.460	0.071	0.423
51	7	12%	13%	0%	13%	7%	5%	14%	27%	1%	1%	2%	1%	1%	0%	0%	1%	84	120	LD	25	50	22	82	1	1.401	14.119	0.077	0.773	0.071	0.711
51	8	12%	7%	0%	13%	8%	6%	16%	29%	2%	1%	2%	2%	2%	0%	0%	1%	102	120	LD	24	50	23	79	1	1.579	19.328	0.090	1.106	0.083	1.017
51	9	12%	16%	0%	13%	7%	5%	14%	26%	1%	1%	2%	1%	1%	0%	0%	1%	95	120	LD	24	50	23	77	1	1.405	16.022	0.077	0.882	0.071	0.811
51	10	12%	23%	0%	12%	7%	4%	13%	23%	1%	1%	1%	1%	1%	0%	0%	1%	95	120	LD	24	50	24	74	1	1.300	14.818	0.069	0.789	0.064	0.725
51	11	12%	28%	0%	12%	6%	4%	12%	20%	1%	1%	1%	1%	1%	0%	0%	1%	95	120	LD	24	50	25	72	1	1.219	13.898	0.064	0.730	0.059	0.671
51	12	12%	34%	0%	11%	6%	4%	11%	19%	1%	1%	1%	1%	1%	0%	0%	1%	113	120	LD	24	50	25	71	1	1.141	15.475	0.058	0.783	0.053	0.720
51	13	12%	37%	0%	11%	6%	3%	10%	16%	1%	1%	1%	1%	1%	0%	0%	1%	123	120	LD	24	50	25	71	1	1.077	15.899	0.053	0.782	0.049	0.719
51	14	12%	41%	0%	10%	6%	3%	10%	14%	1%	1%	1%	1%	1%	0%	0%	1%	133	120	LD	24	50	25	71	1	1.064	16.986	0.051	0.810	0.047	0.745
51	15	12%	44%	0%	10%	6%	3%	9%	13%	1%	1%	1%	1%	1%	0%	0%	1%	155	120	LD	24	50	25	72	1	1.001	18.626	0.046	0.863	0.043	0.794
51	16	12%	47%	0%	9%	6%	3%	9%	12%	1%	1%	1%	1%	1%	0%	0%	1%	163	120	LD	24	50	24	74	1	0.986	19.277	0.044	0.863	0.041	0.793
51	17	12%	50%	0%	9%	5%	3%	8%	11%	1%	0%	1%	1%	1%	0%	0%	1%	186	120	LD	23	50	24	76	1	0.954	21.283	0.043	0.951	0.039	0.874
51	18	12%	48%	0%	9%	5%	3%	8%	11%	1%	0%	1%	1%	1%	0%	0%	1%	167	120	LD	24	50	23	77	1	0.977	19.582	0.043	0.861	0.040	0.792
51	19	12%	46%	0%	10%	5%	3%	8%	12%	1%	0%	1%	1%	1%	0%	0%	1%	134	120	LD	24	50	23	78	1	0.978	15.727	0.044	0.707	0.040	0.650
51	20	12%	46%	0%	10%	6%	3%	9%	13%	0%	0%	1%	0%	0%	0%	0%	1%	101	120	LD	24	50	23	79	1	0.954	11.563	0.043	0.520	0.039	0.478
51	21	12%	44%	0%	9%	6%	4%	9%	14%	0%	0%	1%	0%	0%	0%	0%	1%	85	120	LD	25	50	23	80	1	0.963	9.822	0.044	0.445	0.040	0.409
51	22	12%	42%	0%	10%	6%	4%	10%	15%	0%	0%	1%	0%	0%	0%	0%	1%	82	120	LD	25	50	23	81	1	0.981	9.656	0.045	0.446	0.042	0.410
51	23	12%	40%	0%	10%	6%	3%	10%	16%	0%	0%	2%	0%	0%	0%	0%	0%	67	120	LD	25	50	23	81	1	1.003	8.062	0.047	0.381	0.044	0.351
52	0	27%	19%	0%	12%	7%	4%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	124	120	LD	24	50	23	82	1	1.216	18.093	0.056	0.836	0.052	0.768
52	1	26%	21%	0%	12%	7%	4%	11%	10%	3%	3%	0%	0%	0%	0%	3%	1%	73	120	LD	25	50	22	82	1	1.133	9.927	0.048	0.424	0.045	0.390
52	2	25%	20%	0%	12%	8%	4%	12%	10%	2%	2%	0%	0%	0%	0%	2%	2%	49	120	LD	25	50	22	83	1	1.153	6.782	0.051	0.300	0.047	0.276
52	3	24%	22%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	50	120	LD	25	50	22	83	1	1.237	7.422	0.051	0.303	0.047	0.279
52	4	22%	22%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	49	120	LD	25	50	22	83	1	1.259	7.406	0.051	0.302	0.047	0.278
52	5	21%	23%	0%	13%	6%	4%	13%	10%	2%	2%	0%	0%	0%	0%	4%	2%	48	120	LD	25	50	22	83	1	1.290	7.432	0.053	0.302	0.048	0.278
52	6	20%	24%	0%	12%	7%	4%	12%	10%	3%	2%	1%	1%	1%	0%	3%	1%	147	120	LD	24	50	22	83	1	1.340	23.640	0.058	1.021	0.053	0.939
52	7	19%	24%	0%	12%	7%	4%	12%	10%	3%	2%	1%	0%	0%	0%	4%	1%	270	120	LD	22	50	22	82	1	1.452	47.055	0.062	2.019	0.057	1.857
52	8	18%	25%	0%	11%	7%	4%	13%	10%	3%	2%	1%	1%	1%	0%	4%	1%	344	120	LD	20	50	23	79	1	1.571	64.836	0.070	2.895	0.065	2.664
52	9	20%	24%	0%	12%	7%	4%	12%	10%	2%	2%	1%	0%	0%	0%	3%	1%	294	120	LD	21	50	23	77	1	1.456	51.379	0.064	2.275	0.059	2.093
52	10	22%	23%	0%	12%	7%	4%	12%	10%	3%	2%	1%	0%	0%	0%	3%	1%	272	120	LD	22	50	24	74	1	1.388	45.288	0.061	1.990	0.056	1.831
52	11	24%	22%	0%	12%	7%	4%	12%	9%	2%	2%	0%	0%	0%	0%	3%	1%	246	120	LD	22	50	25	72	1	1.358	40.077	0.060	1.782	0.056	1.639
52	12	25%	20%	0%	12%	7%	4%	11%	9%	3%	2%	1%	0%	0%	0%	3%	2%	273	120	LD	22	50	25	71	1	1.324	43.372	0.060	1.961	0.055	1.803
52	13	27%	19%	0%	12%	7%	4%	11%	9%	3%	2%	1%	0%	0%	0%	3%	2%	273	120	LD	22	50	25	71	1	1.282	41.987	0.059	1.918	0.054	1.764
52	14	28%	18%	0%	13%	7%	4%	11%	9%	3%	2%	1%	0%	0%	0%	3%	2%	272	120	LD	22	50	25	71	1	1.235	40.295	0.058	1.878	0.053	1.727
52	15	30%	17%	0%	13%	7%	4%	10%	9%	2%	2%	1%	0%	0%	0%	2%	2%	297	120	LD	21	50	25	72	1	1.224	43.637	0.059	2.096	0.054	1.928
52	16	32%	16%	0%	13%	7%	4%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	297	120	LD	21	50	24	74	1	1.189	42.390	0.058	2.056	0.053	1.890
52	17	34%	14%	0%	13%	8%	3%	10%	8%	3%	2%	1%	0%	0%	0%	2%	2%	321	120	LD	21	50	24	76	1	1.149	44.262	0.056	2.172	0.052	1.997
52	18	33%	15%	0%	13%	7%	3%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	297	120	LD	21	50	23	77	1	1.189	42.390	0.057	2.044	0.053	1.879
52	19	32%	16%	0%	13%	8%	4%	10%	9%	2%	2%	0%	0%	0%	0%	2%	2%	247	120	LD	22	50	23	78	1	1.168	34.608	0.055	1.640	0.051	1.508
52	20	31%	16%	1%	13%	8%	4%	10%	9%	3%	2%	1%	1%	1%	0%	2%	2%	197	120	LD	23	50	23	79	1	1.149	27.160	0.054	1.276	0.050	1.173
52	21	30%	17%	1%	13%	8%	4%	10%	9%	2%	2%	1%	1%	1%	0%	2%	2%	173	120	LD	23	50	23	80	1	1.183	24.564	0.055	1.143	0.051	1.051
52	22	29%	18%	1%	12%	8%	4%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	172	120	LD	23	50	23	81	1	1.198	24.724	0.056	1.153	0.051	1.059
52	23	27%	19%	0%	12%	7%	4%	11%	9%	3%	2%	1%	1%	1%	0%	3%	2%	150	120	LD	24	50	23	81	1	1.206	21.700	0.055	0.981	0.050	0.902

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
1	0	37%	11%	1%	19%	12%	2%	3%	0%	2%	1%	1%	1%	1%	1%	4%	7%	206	230	EX	70	70	23	82	0	0.417	19.776	0.019	0.880	0.017	0.809
1	1	38%	12%	1%	20%	12%	1%	3%	0%	2%	1%	0%	0%	0%	0%	4%	7%	121	230	EX	70	70	22	82	0	0.399	11.092	0.015	0.428	0.014	0.394
1	2	38%	10%	0%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	79	230	EX	70	70	22	83	0	0.402	7.298	0.016	0.297	0.015	0.273
1	3	38%	10%	0%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	80	230	EX	70	70	22	83	0	0.402	7.405	0.016	0.300	0.015	0.276
1	4	36%	10%	0%	21%	14%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	80	230	EX	70	70	22	83	0	0.411	7.568	0.017	0.309	0.015	0.284
1	5	36%	11%	1%	21%	13%	1%	3%	0%	1%	1%	0%	0%	0%	0%	4%	9%	118	230	EX	70	70	22	83	0	0.412	11.181	0.016	0.429	0.015	0.394
1	6	35%	10%	0%	22%	13%	1%	3%	0%	1%	1%	0%	0%	0%	0%	4%	8%	237	230	EX	70	70	22	83	0	0.428	23.303	0.017	0.902	0.015	0.829
1	7	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	394	230	EX	70	70	22	82	0	0.432	39.122	0.017	1.531	0.016	1.408
1	8	34%	10%	1%	23%	14%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	510	230	EX	70	70	23	79	0	0.426	49.998	0.017	1.973	0.015	1.815
1	9	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	518	230	EX	70	70	23	77	0	0.432	51.464	0.018	2.119	0.016	1.949
1	10	35%	10%	1%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	482	230	EX	70	70	24	74	0	0.419	46.486	0.017	1.933	0.016	1.778
1	11	36%	11%	1%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	443	230	EX	70	70	25	72	0	0.413	42.096	0.017	1.750	0.016	1.610
1	12	37%	11%	0%	20%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	449	230	EX	70	70	25	71	0	0.410	42.358	0.017	1.798	0.016	1.654
1	13	38%	12%	0%	20%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	453	230	EX	70	70	25	71	0	0.408	42.544	0.017	1.809	0.016	1.665
1	14	39%	12%	0%	19%	11%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	457	230	EX	70	70	25	71	0	0.403	42.330	0.017	1.824	0.016	1.678
1	15	39%	12%	0%	18%	11%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	6%	499	230	EX	70	70	25	72	0	0.396	45.393	0.018	2.034	0.016	1.872
1	16	40%	13%	0%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	5%	545	230	EX	70	70	24	74	0	0.401	50.241	0.018	2.229	0.016	2.051
1	17	41%	13%	0%	17%	10%	1%	4%	0%	2%	1%	1%	0%	1%	0%	4%	5%	549	230	EX	70	70	24	76	0	0.390	49.247	0.017	2.208	0.016	2.032
1	18	40%	13%	0%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	5%	464	230	EX	70	70	23	77	0	0.403	42.956	0.018	1.896	0.016	1.745
1	19	40%	13%	1%	18%	11%	1%	4%	0%	2%	1%	1%	1%	1%	0%	4%	5%	380	230	EX	70	70	23	78	0	0.407	35.557	0.018	1.579	0.017	1.453
1	20	39%	12%	1%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	6%	333	230	EX	70	70	23	79	0	0.402	30.782	0.017	1.330	0.016	1.224
1	21	39%	12%	0%	19%	11%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	291	230	EX	70	70	23	80	0	0.410	27.409	0.018	1.172	0.016	1.078
1	22	38%	12%	0%	19%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	251	230	EX	70	70	23	81	0	0.419	24.180	0.018	1.061	0.017	0.976
1	23	38%	12%	0%	19%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	250	230	EX	70	70	23	81	0	0.419	24.109	0.018	1.058	0.017	0.973
2	0	40%	10%	1%	17%	10%	1%	3%	1%	3%	3%	1%	1%	1%	1%	3%	6%	218	420	EX	70	70	23	82	0	0.383	35.037	0.018	1.677	0.017	1.543
2	1	41%	10%	1%	17%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	3%	5%	129	420	EX	70	70	22	82	0	0.376	20.374	0.019	1.014	0.017	0.933
2	2	40%	11%	0%	17%	9%	1%	3%	0%	3%	2%	1%	1%	1%	0%	3%	6%	89	420	EX	70	70	22	83	0	0.386	14.428	0.020	0.753	0.019	0.693
2	3	42%	11%	0%	16%	9%	1%	3%	0%	3%	2%	1%	1%	1%	0%	3%	5%	88	420	EX	70	70	22	83	0	0.381	14.071	0.020	0.744	0.019	0.685
2	4	41%	12%	0%	16%	9%	1%	3%	0%	3%	3%	1%	1%	1%	0%	3%	4%	90	420	EX	70	70	22	83	0	0.381	14.412	0.020	0.764	0.019	0.703
2	5	42%	12%	0%	15%	9%	2%	3%	1%	4%	3%	1%	1%	1%	0%	3%	5%	133	420	EX	70	70	22	83	0	0.364	20.335	0.019	1.042	0.017	0.959
2	6	42%	13%	0%	14%	8%	1%	4%	0%	4%	3%	1%	1%	1%	0%	3%	5%	270	420	EX	70	70	22	83	0	0.371	42.042	0.018	2.055	0.017	1.892
2	7	43%	13%	0%	14%	8%	1%	4%	0%	4%	3%	1%	1%	1%	0%	3%	4%	452	420	EX	70	70	22	82	0	0.370	70.324	0.018	3.460	0.017	3.185
2	8	43%	14%	0%	13%	8%	1%	4%	1%	4%	3%	1%	1%	1%	0%	3%	4%	588	420	EX	70	70	23	79	0	0.359	88.741	0.017	4.307	0.016	3.966
2	9	43%	13%	0%	14%	8%	1%	3%	1%	4%	3%	1%	1%	1%	0%	3%	5%	586	420	EX	70	70	23	77	0	0.365	89.923	0.018	4.317	0.016	3.974
2	10	42%	12%	0%	15%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	3%	5%	534	420	EX	70	70	24	74	0	0.374	83.816	0.018	4.019	0.016	3.700
2	11	41%	11%	0%	16%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	5%	488	420	EX	70	70	25	72	0	0.377	77.184	0.018	3.760	0.017	3.461
2	12	41%	10%	0%	17%	10%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	5%	484	420	EX	70	70	25	71	0	0.381	77.528	0.018	3.749	0.017	3.451
2	13	40%	9%	0%	18%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	481	420	EX	70	70	25	71	0	0.387	78.215	0.019	3.789	0.017	3.487
2	14	39%	8%	0%	19%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	476	420	EX	70	70	25	71	0	0.395	78.940	0.019	3.804	0.018	3.501
2	15	39%	7%	0%	19%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	513	420	EX	70	70	25	72	0	0.399	86.031	0.019	4.152	0.018	3.821
2	16	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	554	420	EX	70	70	24	74	0	0.410	95.295	0.019	4.443	0.018	4.088
2	17	37%	6%	1%	21%	13%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	549	420	EX	70	70	24	76	0	0.412	95.064	0.019	4.481	0.018	4.123
2	18	37%	6%	0%	21%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	468	420	EX	70	70	23	77	0	0.416	81.806	0.020	3.877	0.018	3.567
2	19	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	383	420	EX	70	70	23	78	0	0.414	66.618	0.019	3.087	0.018	2.840
2	20	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	344	420	EX	70	70	23	79	0	0.414	59.847	0.020	2.860	0.018	2.632
2	21	39%	8%	0%	19%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	299	420	EX	70	70	23	80	0	0.407	51.073	0.020	2.462	0.018	2.265
2	22	39%	9%	0%	19%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	260	420	EX	70	70	23	81	0	0.407	44.443	0.019	2.084	0.018	1.918
2	23	40%	9%	0%	18%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	262	420	EX	70	70	23	81	0	0.404	44.433	0.019	2.090	0.017	1.923
3	0	36%	17%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	771	530	EX	70	70	23	82	0	0.413	168.624	0.022	9.044	0.020	8.322
3	1	36%	18%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	465	530	EX	70	70	22	82	0	0.425	104.767	0.023	5.611	0.021	5.163
3	2	36%	18%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	5%	307	530	EX	70	70	22	83	0	0.417	67.771	0.022	3.572	0.020	3.287
3	3	36%	19%	0%	13%	7%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	309	530	EX	70	70	22	83	0	0.417	68.262	0.023	3.735	0.021	3.437
3	4	36%	19%	0%	12%	7%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	309	530	EX	70	70	22	83	0	0.416	68.189	0.023	3.730	0.021	3.432
3	5	36%	19%	0%	12%	7%	3%	7%	0%	3%	3%	1%	1%	1%	0%	3%	4%	474	530	EX	70	70	22	83	0	0.420	105.453	0.022	5.618	0.021	5.170
3	6	36%	20%	0%	11%	7%	3%	7%	0%	3%	2%	2%	1%	1%	0%	3%	4%	953	530	EX	70	70	22	83	0	0.421	212.727	0.023	11.759	0.021	10.821
3	7	36%	20%	0%	11%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1598	530	EX	69	70	22	82	0	0.427	361.599	0.023	19.767	0.021	18.172
3	8	36%	20%	0%	11%	6%	3%	7%	0%	3%	3%	2%	1%	1%	0%	3%	4%	2092	530	EX	64	70	23	79	0	0.430	476.232	0.022	24.515	0.020	22.538
3	9	36%	20%	0%	11%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	2071	530	EX	64	70	23	77	0	0.431	473.422	0.022	23.818	0.020	21.897
3	10	36%	19%	0%	12%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1900	530	EX	66	70	24	74	0	0.424	427.273	0.022	21.951	0.020	20.207
3	11	36%	19%	0%	13%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1726	530	EX	68	70	25	72	0	0.417	381.024	0.022	20.267	0.020	18.614
3	12	35%	18%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1720	530	EX	68	70	25	71	0	0.423	385.300	0.022	20.163	0.020	18.518
3	13	36%	17%	0%	14%	9%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1689	530	EX	68	70	25	71	0	0.421	377.076	0.022	19.660	0.020	18.055
3	14	35%	16%	0%	15%	9%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1679	530	EX	69	70	25	71	0	0.420	373.365	0.022	19.380	0.020	17.817
3	15	35%	16%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1819	530	EX	67	70	25	72	0	0.422	406.461	0.021	20.432	0.020	18.804
3	16	35%	15%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1942	530	EX	66	70	24	74	0	0.425	437.387	0.020	21.037	0.019	19.364
3	17	35%	14%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1917	530	EX	66	70	24	76	0	0.419	426.047	0.020	20.317	0.018	18.701
3	18	35%	15%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1628	530	EX	69	70	23	77	0	0.421	363.302	0.021	17.813	0.019	16.377
3	19	36%	15%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1337	530	EX	70	70	23	78	0	0.418	296.228	0.021	14.844	0.019	13.659
3	20	35%	16%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1201	530	EX	70	70	23	79	0	0.418	266.111	0.021	13.630	0.020	12.542
3	21	35%	16%	0%	16%	9%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1064	530	EX	70	70	23	80	0	0.419	236.100	0.022	12.228	0.020	11.253
3	22	36%	17%	0%	15%	9%	3%	7%	0%	2%	2%	1%	1%	1%	0%	3%	4%	905	530	EX	70	70	23	81	0	0.414	198.719	0.022	10.427	0.020	9.595
3	23	36%	17%	0%	15%	9%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	910	530	EX	70	70	23	81	0	0.410	197.590	0.022	10.485	0.020	9.648
4	0	34%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	709	360	EX	70	70	23	82	0	0.449	114.631	0.022	5.587	0.020	5.140
4	1	35%	18%	1%	16%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	4%	431	360	EX	70	70	22	82	0	0.450	69.795	0.022	3.341	0.020	3.074
4	2	34%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	284	360	EX	70	70	22	83	0	0.461	47.122	0.021	2.195	0.020	2.019
4	3	33%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	285	360	EX	70	70	22	83	0	0.462	47.440	0.021	2.204	0.020	2.028
4	4	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	4%	5%	289	360	EX	70	70	22	83	0	0.460	47.837	0.021	2.190	0.019	2.015
4	5	33%	19%	1%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	4%	433	360	EX	70	70	22	83	0	0.454	70.702	0.021	3.278	0.019	3.016
4	6	32%	20%	0%	16%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	874	360	EX	70	70	22	83	0	0.459	144.470	0.021	6.753	0.020	6.213
4	7	32%	20%	0%	17%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1470	360	EX	70	70	22	82	0	0.457	241.625	0.021	11.191	0.019	10.296
4	8	31%	20%	0%	17%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1923	360	EX	66	70	23	79	0	0.457	316.426	0.020	14.020	0.019	12.905
4	9	32%	20%	0%	17%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1902	360	EX	66	70	23	77	0	0.463	316.847	0.021	14.054	0.019	12.936
4	10	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	3%	4%	1740	360	EX	67	70	24	74	0	0.454	284.303	0.021	12.901	0.019	11.871
4	11	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	1587	360	EX	69	70	25	72	0	0.451	257.441	0.021	12.111	0.019	11.134
4	12	34%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	1573	360	EX	69	70	25	71	0	0.452	256.006	0.021	12.015	0.020	11.045
4	13	34%	18%	0%	16%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1573	360	EX	69	70	25	71	0	0.452	255.818	0.021	12.127	0.020	11.148
4	14	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1565	360	EX	69	70	25	71	0	0.451	253.824	0.022	12.135	0.020	11.155
4	15	36%	17%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1696	360	EX	68	70	25	72	0	0.452	276.233	0.022	13.218	0.020	12.138
4	16	36%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1821	360	EX	67	70	24	74	0	0.456	298.739	0.021	14.010	0.020	12.894
4	17	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1813	360	EX	67	70	24	76	0	0.449	293.275	0.021	13.849	0.020	12.746
4	18	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1530	360	EX	70	70	23	77	0	0.454	249.881	0.022	12.160	0.020	11.190
4	19	36%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1258	360	EX	70	70	23	78	0	0.455	206.051	0.022	10.042	0.020	9.241
4	20	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1120	360	EX	70	70	23	79	0	0.450	181.543	0.022	8.695	0.020	8.001
4	21	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	985	360	EX	70	70	23	80	0	0.450	159.412	0.022	7.630	0.020	7.021
4	22	35%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	844	360	EX	70	70	23	81	0	0.446	135.398	0.022	6.567	0.020	6.043
4	23	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	847	360	EX	70	70	23	81	0	0.447	136.244	0.022	6.607	0.020	6.079
5	0	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	486	230	PD	40	50	23	82	0	0.581	64.902	0.020	2.267	0.019	2.087
5	1	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	296	230	PD	40	50	22	82	0	0.597	40.612	0.021	1.408	0.019	1.296
5	2	33%	22%	1%	15%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	193	230	PD	40	50	22	83	0	0.581	25.792	0.020	0.887	0.018	0.817
5	3	33%	22%	1%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	194	230	PD	40	50	22	83	0	0.581	25.922	0.020	0.890	0.018	0.819
5	4	32%	23%	1%	14%	8%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	194	230	PD	40	50	22	83	0	0.573	25.556	0.020	0.894	0.018	0.823
5	5	32%	23%	1%	14%	8%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	194	230	PD	40	50	22	83	0	0.573	25.556	0.020	0.894	0.018	0.823
5	6	31%	23%	0%	14%	8%	4%	11%	0%	1%	1%	1%	0%	0%	0%	3%	3%	600	230	PD	40	50	22	83	0	0.605	83.461	0.021	2.866	0.019	2.638
5	7	31%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1098	230	PD	37	50	22	82	0	0.613	154.853	0.021	5.197	0.019	4.777
5	8	30%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1409	230	PD	34	50	23	79	0	0.625	202.590	0.021	6.755	0.019	6.213
5	9	31%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1197	230	PD	36	50	23	77	0	0.619	170.355	0.021	5.660	0.019	5.205
5	10	32%	23%	0%	14%	9%	3%	10%	0%	1%	1%	1%	0%	0%	0%	3%	3%	1091	230	PD	37	50	24	74	0	0.607	152.266	0.020	5.144	0.019	4.728
5	11	32%	22%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	988	230	PD	37	50	25	72	0	0.603	136.929	0.021	4.704	0.019	4.324
5	12	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1078	230	PD	37	50	25	71	0	0.611	151.382	0.021	5.175	0.019	4.757
5	13	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1085	230	PD	37	50	25	71	0	0.613	152.988	0.021	5.247	0.019	4.822
5	14	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1076	230	PD	37	50	25	71	0	0.613	151.808	0.021	5.228	0.019	4.804
5	15	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1177	230	PD	36	50	25	72	0	0.622	168.285	0.022	5.840	0.020	5.369
5	16	35%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1168	230	PD	36	50	24	74	0	0.629	169.017	0.022	5.828	0.020	5.358
5	17	35%	18%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1261	230	PD	35	50	24	76	0	0.633	183.646	0.022	6.364	0.020	5.852
5	18	35%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1158	230	PD	36	50	23	77	0	0.633	168.546	0.022	5.747	0.020	5.283
5	19	35%	19%	0%	13%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	962	230	PD	38	50	23	78	0	0.613	135.639	0.021	4.637	0.019	4.266
5	20	35%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	772	230	PD	39	50	23	79	0	0.604	107.283	0.021	3.681	0.019	3.390
5	21	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	678	230	PD	40	50	23	80	0	0.596	92.875	0.021	3.208	0.019	2.953
5	22	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	676	230	PD	40	50	23	81	0	0.592	91.967	0.021	3.192	0.019	2.938
5	23	34%	21%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	581	230	PD	40	50	23	81	0	0.589	78.663	0.021	2.747	0.019	2.528
6	0	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	533	320	PD	40	50	23	82	0	0.536	91.449	0.021	3.499	0.019	3.221
6	1	34%	21%	0%	13%	7%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	318	320	PD	40	50	22	82	0	0.548	55.745	0.021	2.115	0.019	1.947
6	2	34%	21%	1%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	4%	210	320	PD	40	50	22	83	0	0.537	36.094	0.021	1.420	0.019	1.307
6	3	34%	22%	1%	11%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	3%	210	320	PD	40	50	22	83	0	0.536	36.042	0.021	1.413	0.019	1.301
6	4	34%	23%	1%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	3%	209	320	PD	40	50	22	83	0	0.535	35.772	0.021	1.398	0.019	1.287
6	5	34%	22%	1%	11%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	4%	211	320	PD	40	50	22	83	0	0.536	36.180	0.021	1.399	0.019	1.288
6	6	34%	23%	0%	11%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	637	320	PD	40	50	22	83	0	0.558	113.791	0.022	4.439	0.020	4.087
6	7	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1173	320	PD	36	50	22	82	0	0.594	223.086	0.023	8.548	0.021	7.861
6	8	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1505	320	PD	34	50	23	79	0	0.604	291.087	0.023	11.200	0.021	10.299
6	9	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1284	320	PD	35	50	23	77	0	0.598	245.652	0.023	9.331	0.021	8.583

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
6	10	33%	22%	0%	11%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1181	320	PD	36	50	24	74	0	0.583	220.296	0.022	8.438	0.021	7.759
6	11	34%	21%	0%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1072	320	PD	37	50	25	72	0	0.564	193.489	0.022	7.455	0.020	6.852
6	12	34%	20%	0%	13%	8%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1186	320	PD	36	50	25	71	0	0.575	218.237	0.022	8.319	0.020	7.650
6	13	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1170	320	PD	36	50	25	71	0	0.572	213.989	0.022	8.060	0.020	7.412
6	14	34%	20%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1174	320	PD	36	50	25	71	0	0.564	211.820	0.021	7.872	0.019	7.238
6	15	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1281	320	PD	36	50	25	72	0	0.550	225.508	0.020	8.309	0.019	7.640
6	16	34%	18%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1277	320	PD	36	50	24	74	0	0.554	226.372	0.020	8.228	0.019	7.565
6	17	35%	18%	0%	16%	9%	3%	8%	0%	2%	2%	1%	0%	0%	0%	2%	4%	1367	320	PD	35	50	24	76	0	0.545	238.605	0.020	8.616	0.018	7.925
6	18	35%	18%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1261	320	PD	36	50	23	77	0	0.559	225.559	0.020	8.046	0.018	7.398
6	19	35%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1052	320	PD	37	50	23	78	0	0.551	185.399	0.020	6.751	0.018	6.204
6	20	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	849	320	PD	39	50	23	79	0	0.536	145.632	0.020	5.396	0.018	4.969
6	21	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	752	320	PD	40	50	23	80	0	0.531	127.896	0.020	4.851	0.019	4.466
6	22	34%	20%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	735	320	PD	40	50	23	81	0	0.525	123.568	0.020	4.736	0.019	4.360
6	23	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	635	320	PD	40	50	23	81	0	0.535	108.787	0.020	4.145	0.019	3.816
7	0	31%	21%	0%	14%	9%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	374	110	DD	29	50	23	82	1	0.672	27.647	0.023	0.950	0.021	0.872
7	1	32%	22%	1%	14%	8%	3%	10%	0%	2%	1%	1%	1%	1%	0%	2%	4%	222	110	DD	29	50	22	82	1	0.649	15.844	0.022	0.548	0.021	0.503
7	2	32%	22%	0%	13%	8%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	150	110	DD	30	50	22	83	1	0.655	10.814	0.023	0.380	0.021	0.349
7	3	32%	23%	0%	13%	8%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	150	110	DD	30	50	22	83	1	0.655	10.811	0.023	0.378	0.021	0.347
7	4	32%	24%	0%	12%	7%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	149	110	DD	30	50	22	83	1	0.653	10.695	0.023	0.372	0.021	0.342
7	5	32%	24%	0%	12%	7%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	149	110	DD	30	50	22	83	1	0.653	10.695	0.023	0.372	0.021	0.342
7	6	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	0%	0%	0%	3%	4%	449	110	DD	28	50	22	83	1	0.693	34.243	0.023	1.121	0.021	1.030
7	7	32%	24%	0%	11%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	827	110	DD	26	50	22	82	1	0.728	66.211	0.024	2.149	0.022	1.976
7	8	32%	25%	0%	10%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1054	110	DD	24	50	23	79	1	0.771	89.345	0.025	2.872	0.023	2.641
7	9	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	903	110	DD	25	50	23	77	1	0.757	75.192	0.025	2.437	0.023	2.239
7	10	32%	23%	0%	12%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	828	110	DD	26	50	24	74	1	0.721	65.628	0.024	2.167	0.022	1.992
7	11	32%	23%	0%	13%	8%	4%	10%	0%	2%	2%	1%	0%	1%	0%	3%	4%	748	110	DD	26	50	25	72	1	0.703	57.808	0.024	1.949	0.022	1.792
7	12	32%	22%	0%	14%	8%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	823	110	DD	26	50	25	71	1	0.705	63.806	0.024	2.165	0.022	1.990
7	13	31%	21%	0%	14%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	822	110	DD	26	50	25	71	1	0.695	62.834	0.024	2.141	0.022	1.968
7	14	31%	20%	0%	15%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	822	110	DD	26	50	25	71	1	0.694	62.723	0.024	2.152	0.022	1.978
7	15	31%	20%	0%	16%	10%	4%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	897	110	DD	25	50	25	72	1	0.701	69.214	0.024	2.385	0.022	2.190
7	16	31%	19%	0%	17%	10%	3%	10%	0%	2%	2%	0%	0%	0%	0%	2%	4%	896	110	DD	25	50	24	74	1	0.706	69.556	0.024	2.376	0.022	2.182
7	17	31%	18%	0%	17%	10%	3%	9%	0%	2%	1%	0%	0%	0%	0%	2%	4%	969	110	DD	25	50	24	76	1	0.698	74.373	0.024	2.580	0.022	2.370
7	18	31%	19%	0%	17%	10%	3%	10%	0%	2%	2%	0%	0%	0%	0%	2%	4%	895	110	DD	25	50	23	77	1	0.708	69.733	0.024	2.381	0.022	2.187
7	19	31%	19%	0%	16%	10%	3%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	748	110	DD	26	50	23	78	1	0.693	57.015	0.024	1.974	0.022	1.815
7	20	31%	20%	0%	16%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	596	110	DD	27	50	23	79	1	0.682	44.686	0.023	1.530	0.021	1.406
7	21	31%	20%	0%	15%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	525	110	DD	28	50	23	80	1	0.671	38.767	0.023	1.345	0.021	1.236
7	22	31%	21%	0%	15%	9%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	523	110	DD	28	50	23	81	1	0.667	38.372	0.023	1.333	0.021	1.225
7	23	31%	21%	0%	15%	9%	4%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	450	110	DD	28	50	23	81	1	0.667	33.022	0.023	1.145	0.021	1.052
8	0	32%	22%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	4%	546	260	DD	27	50	23	82	1	0.677	96.174	0.022	3.176	0.021	2.920
8	1	31%	23%	0%	13%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	329	260	DD	29	50	22	82	1	0.670	57.350	0.022	1.846	0.020	1.695
8	2	31%	23%	1%	14%	8%	3%	8%	2%	2%	1%	1%	1%	1%	1%	3%	3%	219	260	DD	29	50	22	83	1	0.679	38.662	0.022	1.272	0.021	1.168
8	3	31%	23%	1%	14%	8%	3%	8%	2%	2%	1%	1%	1%	1%	0%	3%	3%	220	260	DD	29	50	22	83	1	0.660	37.730	0.022	1.275	0.020	1.171
8	4	31%	24%	1%	14%	8%	3%	8%	2%	2%	1%	1%	1%	1%	0%	3%	3%	220	260	DD	29	50	22	83	1	0.661	37.811	0.022	1.274	0.020	1.170
8	5	30%	24%	1%	14%	8%	3%	9%	2%	2%	1%	1%	1%	1%	0%	3%	3%	222	260	DD	29	50	22	83	1	0.669	38.602	0.023	1.300	0.021	1.194
8	6	30%	24%	0%	14%	8%	3%	9%	2%	2%	2%	1%	0%	0%	0%	3%	3%	666	260	DD	27	50	22	83	1	0.704	121.963	0.023	3.960	0.021	3.642
8	7	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	2%	1222	260	DD	23	50	22	82	1	0.785	249.483	0.025	7.787	0.023	7.166
8	8	29%	25%	0%	14%	8%	3%	9%	2%	2%	1%	0%	0%	0%	0%	3%	2%	1560	260	DD	14	50	23	79	1	1.026	416.186	0.029	11.741	0.027	10.803
8	9	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	3%	1332	260	DD	22	50	23	77	1	0.808	279.730	0.025	8.722	0.023	8.021
8	10	30%	24%	0%	14%	8%	3%	9%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1214	260	DD	23	50	24	74	1	0.772	243.724	0.024	7.655	0.022	7.045
8	11	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1102	260	DD	24	50	25	72	1	0.746	213.795	0.024	6.907	0.022	6.353
8	12	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1208	260	DD	23	50	25	71	1	0.758	238.089	0.024	7.626	0.022	7.016
8	13	32%	22%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	1203	260	DD	23	50	25	71	1	0.758	237.021	0.024	7.583	0.022	6.976
8	14	32%	22%	0%	14%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	1195	260	DD	23	50	25	71	1	0.753	233.909	0.024	7.462	0.022	6.864
8	15	32%	21%	0%	13%	8%	3%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1303	260	DD	23	50	25	72	1	0.744	252.044	0.024	8.167	0.022	7.512
8	16	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1302	260	DD	23	50	24	74	1	0.748	253.289	0.024	8.172	0.022	7.516
8	17	33%	20%	0%	13%	8%	2%	6%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1403	260	DD	22	50	24	76	1	0.763	278.409	0.024	8.908	0.022	8.186
8	18	33%	20%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1299	260	DD	23	50	23	77	1	0.749	253.110	0.024	8.110	0.022	7.459
8	19	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1081	260	DD	24	50	23	78	1	0.732	205.780	0.023	6.601	0.022	6.069
8	20	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	1%	1%	0%	4%	4%	868	260	DD	25	50	23	79	1	0.713	161.018	0.023	5.251	0.021	4.822
8	21	32%	21%	0%	14%	8%	3%	7%	2%	2%	2%	1%	0%	1%	0%	4%	4%	765	260	DD	26	50	23	80	1	0.705	140.141	0.023	4.570	0.021	4.201
8	22	32%	22%	0%	14%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	765	260	DD	26	50	23	81	1	0.702	139.651	0.023	4.552	0.021	4.185
8	23	32%	22%	0%	13%	8%	3%	8%	2%	2%	2%	1%	1%	1%	0%	4%	4%	656	260	DD	27	50	23	81	1	0.688	117.316	0.023	3.890	0.021	3.577
9	0	30%	21%	0%	14%	8%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	423	170	DD	28	50	23	82	1	0.694	49.876	0.024	1.731	0.022	1.591
9	1	30%	22%	0%	13%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	252	170	DD	29	50	22	82	1	0.700	30.006	0.024	1.031	0.022	0.947
9	2	30%	23%	1%	13%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	168	170	DD	30	50	22	83	1	0.653	18.650	0.023	0.646	0.021	0.593
9	3	31%	23%	1%	13%	8%	3%	9%	1%	2%	2%	1%	1%	1%	0%	3%	4%	167	170	DD	30	50	22	83	1	0.653	18.539	0.022	0.637	0.021	0.585
9	4	31%	24%	0%	12%	7%	3%	9%	1%	2%	2%	1%	1%	1%	0%	3%	4%	165	170	DD	30	50	22	83	1	0.647	18.143	0.022	0.621	0.020	0.570
9	5	31%	24%	0%	12%	7%	3%	9%	1%	2%	2%	1%	1%	1%	0%	3%	4%	165	170	DD	30	50	22	83	1	0.646	18.127	0.022	0.617	0.020	0.566
9	6	30%	24%	0%	11%	7%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	505	170	DD	28	50	22	83	1	0.706	60.595	0.024	2.035	0.022	1.869
9	7	31%	24%	0%	11%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	925	170	DD	25	50	22	82	1	0.755	118.704	0.025	3.866	0.023	3.551
9	8	31%	25%	0%	10%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	1181	170	DD	23	50	23	79	1	0.798	160.170	0.026	5.177	0.024	4.763
9	9	30%	24%	0%	11%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	1014	170	DD	24	50	23	77	1	0.782	134.868	0.026	4.416	0.024	4.061
9	10	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	930	170	DD	25	50	24	74	1	0.747	118.118	0.025	3.924	0.023	3.605
9	11	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	845	170	DD	25	50	25	72	1	0.741	106.388	0.025	3.567	0.023	3.277
9	12	30%	22%	0%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	934	170	DD	25	50	25	71	1	0.745	118.332	0.025	4.005	0.023	3.679
9	13	30%	21%	0%	14%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	933	170	DD	25	50	25	71	1	0.743	117.808	0.025	3.977	0.023	3.654
9	14	30%	20%	0%	14%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	931	170	DD	25	50	25	71	1	0.738	116.878	0.025	3.961	0.023	3.639
9	15	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1023	170	DD	24	50	25	72	1	0.760	132.123	0.026	4.530	0.024	4.166
9	16	30%	19%	0%	16%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1027	170	DD	24	50	24	74	1	0.771	134.534	0.026	4.585	0.024	4.217
9	17	30%	18%	1%	17%	10%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1111	170	DD	24	50	24	76	1	0.763	144.017	0.026	4.914	0.024	4.519
9	18	30%	19%	0%	16%	10%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1024	170	DD	24	50	23	77	1	0.778	135.514	0.026	4.594	0.024	4.225
9	19	30%	19%	0%	16%	9%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	4%	854	170	DD	25	50	23	78	1	0.745	108.162	0.026	3.713	0.023	3.411
9	20	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	680	170	DD	27	50	23	79	1	0.700	80.930	0.024	2.831	0.023	2.603
9	21	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	594	170	DD	27	50	23	80	1	0.703	70.963	0.024	2.456	0.022	2.258
9	22	30%	21%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	595	170	DD	27	50	23	81	1	0.700	70.837	0.024	2.453	0.022	2.256
9	23	30%	21%	0%	14%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	510	170	DD	28	50	23	81	1	0.688	59.689	0.024	2.084	0.022	1.914
10	0	27%	31%	0%	15%	9%	0%	1%	0%	3%	3%	1%	1%	1%	0%	3%	5%	118	200	DD	30	50	23	82	1	0.491	11.594	0.015	0.365	0.014	0.335
10	1	28%	32%	0%	16%	9%	0%	1%	0%	3%	3%	1%	0%	0%	0%	3%	4%	69	200	DD	30	50	22	82	1	0.497	6.859	0.014	0.195	0.013	0.178
10	2	30%	34%	0%	16%	9%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	44	200	DD	30	50	22	83	1	0.437	3.841	0.011	0.096	0.010	0.088
10	3	29%	36%	0%	14%	10%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	42	200	DD	30	50	22	83	1	0.445	3.742	0.011	0.091	0.010	0.083
10	4	28%	37%	0%	14%	9%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	43	200	DD	30	50	22	83	1	0.442	3.800	0.011	0.090	0.010	0.083
10	5	28%	37%	0%	14%	9%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	43	200	DD	30	50	22	83	1	0.442	3.800	0.011	0.090	0.010	0.083
10	6	26%	38%	0%	15%	9%	0%	1%	0%	2%	2%	1%	1%	1%	0%	2%	3%	129	200	DD	30	50	22	83	1	0.472	12.188	0.014	0.371	0.013	0.340
10	7	25%	39%	0%	15%	9%	0%	1%	0%	2%	2%	1%	0%	0%	0%	2%	3%	231	200	DD	30	50	22	82	1	0.465	21.482	0.013	0.610	0.012	0.560
10	8	25%	40%	0%	15%	9%	0%	1%	0%	2%	2%	1%	1%	1%	0%	1%	3%	288	200	DD	29	50	23	79	1	0.463	26.666	0.014	0.792	0.013	0.727
10	9	26%	38%	0%	15%	9%	0%	1%	0%	2%	2%	1%	0%	0%	0%	2%	4%	254	200	DD	29	50	23	77	1	0.466	23.679	0.013	0.680	0.012	0.623
10	10	26%	36%	0%	15%	9%	0%	1%	0%	3%	2%	1%	0%	0%	0%	2%	4%	239	200	DD	30	50	24	74	1	0.457	21.854	0.013	0.637	0.012	0.584
10	11	27%	34%	0%	15%	9%	0%	1%	0%	3%	2%	1%	0%	0%	0%	2%	5%	223	200	DD	30	50	25	72	1	0.473	21.074	0.014	0.626	0.013	0.574
10	12	27%	33%	0%	15%	9%	0%	1%	0%	3%	3%	1%	0%	0%	0%	2%	5%	254	200	DD	29	50	25	71	1	0.486	24.712	0.014	0.732	0.013	0.671
10	13	28%	31%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	5%	260	200	DD	29	50	25	71	1	0.495	25.725	0.015	0.765	0.013	0.701
10	14	28%	29%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	266	200	DD	29	50	25	71	1	0.509	27.094	0.015	0.803	0.014	0.735
10	15	28%	27%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	305	200	DD	29	50	25	72	1	0.542	33.037	0.017	1.012	0.015	0.927
10	16	29%	26%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	307	200	DD	29	50	24	74	1	0.545	33.435	0.017	1.023	0.015	0.937
10	17	29%	25%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	7%	340	200	DD	29	50	24	76	1	0.542	36.889	0.017	1.136	0.015	1.041
10	18	28%	25%	0%	15%	9%	0%	1%	0%	5%	4%	1%	1%	1%	0%	4%	6%	313	200	DD	29	50	23	77	1	0.551	34.490	0.016	1.026	0.015	0.940
10	19	29%	26%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	254	200	DD	29	50	23	78	1	0.532	27.035	0.016	0.797	0.014	0.730
10	20	29%	28%	1%	16%	9%	1%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	200	200	DD	30	50	23	79	1	0.501	20.043	0.015	0.617	0.014	0.565
10	21	29%	29%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	172	200	DD	30	50	23	80	1	0.498	17.114	0.015	0.518	0.014	0.474
10	22	28%	30%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	169	200	DD	30	50	23	81	1	0.497	16.784	0.015	0.504	0.014	0.461
10	23	28%	30%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	143	200	DD	30	50	23	81	1	0.497	14.225	0.015	0.440	0.014	0.403
11	0	33%	20%	0%	13%	8%	4%	9%	3%	1%	1%	1%	1%	1%	0%	4%	3%	429	210	DD	28	50	23	82	1	0.709	63.836	0.024	2.193	0.022	2.015
11	1	32%	20%	0%	13%	8%	3%	10%	3%	2%	1%	0%	0%	0%	0%	4%	3%	259	210	DD	29	50	22	82	1	0.723	39.344	0.024	1.293	0.022	1.188
11	2	32%	20%	1%	13%	8%	3%	10%	2%	2%	1%	1%	1%	1%	0%	3%	2%	174	210	DD	30	50	22	83	1	0.683	24.965	0.024	0.876	0.022	0.805
11	3	32%	20%	1%	13%	8%	3%	10%	3%	2%	1%	1%	1%	1%	0%	3%	2%	177	210	DD	30	50	22	83	1	0.694	25.778	0.024	0.908	0.022	0.835
11	4	32%	20%	1%	13%	8%	3%	10%	3%	2%	1%	1%	1%	1%	0%	3%	2%	177	210	DD	30	50	22	83	1	0.694	25.778	0.024	0.908	0.022	0.835
11	5	31%	21%	1%	13%	8%	3%	10%	3%	2%	1%	1%	1%	1%	0%	3%	2%	177	210	DD	30	50	22	83	1	0.696	25.857	0.024	0.908	0.022	0.834
11	6	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	536	210	DD	27	50	22	83	1	0.755	84.952	0.025	2.842	0.023	2.614
11	7	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	990	210	DD	24	50	22	82	1	0.819	170.279	0.026	5.474	0.024	5.037
11	8	30%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1270	210	DD	22	50	23	79	1	0.865	230.679	0.027	7.236	0.025	6.657
11	9	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1076	210	DD	24	50	23	77	1	0.819	185.137	0.026	5.937	0.024	5.462
11	10	31%	21%	0%	13%	8%	4%	10%	3%	2%	1%	0%	0%	0%	0%	4%	2%	974	210	DD	24	50	24	74	1	0.806	164.766	0.026	5.330	0.024	4.904
11	11	32%	20%	0%	13%	8%	4%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	877	210	DD	25	50	25	72	1	0.766	141.097	0.025	4.673	0.023	4.296
11	12	32%	20%	0%	13%	8%	4%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	953	210	DD	25	50	25	71	1	0.771	154.390	0.025	5.090	0.023	4.678
11	13	33%	20%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	0%	0%	4%	3%	945	210	DD	25	50	25	71	1	0.763	151.342	0.025	5.020	0.023	4.613
11	14	33%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	0%	0%	4%	3%	933	210	DD	25	50	25	71	1	0.757	148.401	0.025	4.905	0.023	4.507
11	15	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	1%	0%	4%	3%	1004	210	DD	24	50	25	72	1	0.774	163.133	0.025	5.376	0.023	4.945
11	16	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	995	210	DD	24	50	24	74	1	0.772	161.400	0.025	5.318	0.023	4.891
11	17	35%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	1062	210	DD	24	50	24	76	1	0.762	169.994	0.025	5.627	0.023	5.175
11	18	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	989	210	DD	25	50	23	77	1	0.752	156.232	0.025	5.157	0.023	4.737
11	19	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	830	210	DD	26	50	23	78	1	0.735	128.144	0.024	4.260	0.022	3.917

2023 with Project

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
11	20	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	0%	0%	4%	3%	667	210	DD	27	50	23	79	1	0.712	99.796	0.024	3.339	0.022	3.070
11	21	34%	19%	0%	13%	8%	3%	9%	3%	1%	1%	1%	1%	1%	0%	4%	3%	588	210	DD	27	50	23	80	1	0.717	88.529	0.024	3.023	0.023	2.779
11	22	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	1%	0%	4%	3%	591	210	DD	27	50	23	81	1	0.717	88.974	0.024	2.991	0.022	2.750
11	23	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	0%	0%	4%	3%	512	210	DD	28	50	23	81	1	0.707	75.965	0.024	2.588	0.022	2.378
12	0	31%	20%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	499	160	DD	28	50	23	82	1	0.676	53.980	0.024	1.877	0.022	1.725
12	1	31%	20%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	296	160	DD	29	50	22	82	1	0.679	32.156	0.023	1.090	0.021	1.001
12	2	31%	21%	1%	13%	8%	3%	8%	4%	2%	2%	1%	1%	1%	0%	3%	3%	191	160	DD	30	50	22	83	1	0.648	19.811	0.023	0.698	0.021	0.641
12	3	31%	22%	1%	13%	8%	3%	8%	4%	2%	2%	1%	1%	1%	0%	3%	3%	191	160	DD	30	50	22	83	1	0.648	19.808	0.023	0.695	0.021	0.638
12	4	31%	22%	1%	12%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	190	160	DD	30	50	22	83	1	0.663	20.152	0.023	0.706	0.021	0.648
12	5	31%	22%	1%	12%	7%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	189	160	DD	30	50	22	83	1	0.663	20.049	0.023	0.702	0.021	0.645
12	6	30%	22%	0%	12%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	565	160	DD	27	50	22	83	1	0.716	64.755	0.024	2.175	0.022	1.999
12	7	30%	23%	0%	11%	7%	3%	9%	5%	2%	2%	1%	1%	1%	0%	3%	3%	1030	160	DD	24	50	22	82	1	0.779	128.419	0.026	4.263	0.024	3.920
12	8	30%	23%	0%	11%	6%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	1294	160	DD	23	50	23	79	1	0.795	164.495	0.026	5.435	0.024	5.001
12	9	30%	22%	0%	11%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1130	160	DD	24	50	23	77	1	0.777	140.430	0.025	4.609	0.023	4.239
12	10	30%	22%	0%	12%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1049	160	DD	24	50	24	74	1	0.762	127.895	0.025	4.262	0.023	3.920
12	11	31%	21%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	966	160	DD	25	50	25	72	1	0.729	112.618	0.025	3.816	0.023	3.506
12	12	31%	21%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1079	160	DD	24	50	25	71	1	0.752	129.754	0.025	4.380	0.023	4.029
12	13	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1098	160	DD	24	50	25	71	1	0.745	130.921	0.025	4.415	0.023	4.060
12	14	31%	19%	0%	14%	8%	3%	8%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1112	160	DD	24	50	25	71	1	0.740	131.606	0.025	4.430	0.023	4.074
12	15	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1227	160	DD	23	50	25	72	1	0.748	146.759	0.025	4.907	0.023	4.514
12	16	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1246	160	DD	23	50	24	74	1	0.753	150.203	0.025	4.967	0.023	4.569
12	17	31%	18%	0%	16%	9%	2%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1368	160	DD	22	50	24	76	1	0.767	167.813	0.025	5.534	0.023	5.087
12	18	31%	18%	0%	15%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1253	160	DD	23	50	23	77	1	0.755	151.435	0.025	4.980	0.023	4.581
12	19	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1037	160	DD	24	50	23	78	1	0.736	122.124	0.024	4.065	0.023	3.738
12	20	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	824	160	DD	26	50	23	79	1	0.706	93.069	0.024	3.164	0.022	2.909
12	21	31%	19%	0%	14%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	713	160	DD	26	50	23	80	1	0.699	79.713	0.024	2.696	0.022	2.479
12	22	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	0%	0%	0%	0%	3%	4%	708	160	DD	26	50	23	81	1	0.697	78.957	0.024	2.678	0.022	2.463
12	23	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	602	160	DD	27	50	23	81	1	0.687	66.150	0.024	2.266	0.022	2.083
13	0	39%	20%	1%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	163	60	DD	30	50	23	82	1	0.464	4.539	0.016	0.152	0.014	0.139
13	1	39%	20%	0%	16%	8%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	4%	95	60	DD	30	50	22	82	1	0.458	2.610	0.014	0.082	0.013	0.075
13	2	39%	21%	0%	16%	8%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	5%	61	60	DD	30	50	22	83	1	0.436	1.594	0.012	0.045	0.011	0.041
13	3	41%	22%	0%	14%	9%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	3%	58	60	DD	30	50	22	83	1	0.431	1.500	0.012	0.042	0.011	0.038
13	4	40%	24%	0%	14%	9%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	3%	58	60	DD	30	50	22	83	1	0.437	1.520	0.012	0.041	0.011	0.038
13	5	39%	25%	0%	14%	9%	0%	0%	0%	4%	4%	0%	0%	0%	0%	4%	4%	57	60	DD	30	50	22	83	1	0.447	1.529	0.012	0.041	0.011	0.038
13	6	38%	23%	1%	14%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	3%	176	60	DD	30	50	22	83	1	0.479	5.058	0.015	0.160	0.014	0.147
13	7	38%	24%	0%	13%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	3%	317	60	DD	29	50	22	82	1	0.517	9.833	0.016	0.297	0.014	0.272
13	8	37%	25%	0%	13%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	2%	393	60	DD	29	50	23	79	1	0.509	12.003	0.015	0.363	0.014	0.334
13	9	37%	23%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	3%	353	60	DD	29	50	23	77	1	0.517	10.957	0.016	0.339	0.015	0.311
13	10	38%	22%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	4%	334	60	DD	29	50	24	74	1	0.509	10.209	0.016	0.319	0.015	0.293
13	11	38%	21%	0%	14%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	4%	315	60	DD	29	50	25	72	1	0.498	9.418	0.016	0.301	0.015	0.276
13	12	38%	20%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	5%	358	60	DD	29	50	25	71	1	0.512	11.003	0.016	0.352	0.015	0.323
13	13	39%	19%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	5%	369	60	DD	29	50	25	71	1	0.504	11.157	0.016	0.355	0.015	0.326
13	14	39%	18%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	377	60	DD	29	50	25	71	1	0.500	11.306	0.016	0.364	0.015	0.334
13	15	39%	17%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	423	60	DD	28	50	25	72	1	0.498	12.637	0.016	0.417	0.015	0.382
13	16	39%	16%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	7%	436	60	DD	28	50	24	74	1	0.510	13.334	0.017	0.435	0.015	0.399
13	17	40%	15%	0%	16%	10%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	7%	485	60	DD	28	50	24	76	1	0.501	14.567	0.017	0.480	0.015	0.440
13	18	39%	16%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	7%	442	60	DD	28	50	23	77	1	0.516	13.676	0.017	0.444	0.015	0.407
13	19	39%	16%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	360	60	DD	29	50	23	78	1	0.496	10.716	0.016	0.341	0.014	0.312
13	20	39%	17%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	4%	6%	285	60	DD	29	50	23	79	1	0.508	8.691	0.016	0.276	0.015	0.253
13	21	39%	17%	0%	16%	9%	0%	1%	0%	3%	3%	0%	0%	0%	0%	3%	6%	243	60	DD	29	50	23	80	1	0.499	7.278	0.016	0.230	0.014	0.210
13	22	39%	18%	0%	16%	9%	0%	1%	0%	3%	3%	0%	0%	0%	0%	3%	6%	238	60	DD	30	50	23	81	1	0.488	6.974	0.015	0.219	0.014	0.201
13	23	39%	19%	1%	16%	9%	1%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	200	60	DD	30	50	23	81	1	0.459	5.508	0.015	0.183	0.014	0.168
14	0	58%	16%	0%	6%	4%	0%	0%	0%	4%	4%	2%	2%	2%	0%	0%	2%	50	590	LD	25	50	23	82	1	0.318	9.366	0.019	0.549	0.017	0.504
14	1	59%	17%	0%	7%	3%	0%	0%	0%	3%	3%	3%	0%	0%	0%	0%	3%	29	590	LD	25	50	22	82	1	0.238	4.064	0.013	0.220	0.012	0.202
14	2	63%	16%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	19	590	LD	25	50	22	83	1	0.209	2.345	0.010	0.109	0.009	0.100
14	3	60%	20%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	20	590	LD	25	50	22	83	1	0.217	2.564	0.009	0.108	0.008	0.099
14	4	62%	19%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	21	590	LD	25	50	22	83	1	0.209	2.585	0.009	0.113	0.008	0.103
14	5	59%	18%	0%	9%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	22	590	LD	25	50	22	83	1	0.220	2.857	0.010	0.126	0.009	0.116
14	6	55%	20%	0%	7%	4%	0%	0%	0%	4%	4%	1%	1%	1%	0%	0%	1%	71	590	LD	25	50	22	83	1	0.305	12.771	0.016	0.661	0.014	0.607
14	7	55%	19%	0%	8%	4%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	134	590	LD	24	50	22	82	1	0.334	26.368	0.018	1.413	0.016	1.303
14	8	54%	20%	0%	7%	4%	0%	1%	0%	5%	4%	2%	1%	2%	0%	0%	2%	173	590	LD	24	50	23	79	1	0.326	33.286	0.017	1.703	0.015	1.571
14	9	55%	18%	0%	7%	4%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	142	590	LD	24	50	23	77	1	0.330	27.633	0.017	1.459	0.016	1.345
14	10	56%	19%	0%	7%	4%	0%	1%	0%	4%	3%	2%	2%	2%	0%	0%	2%	123	590	LD	24	50	24	74	1	0.329	23.869	0.017	1.262	0.016	1.164
14	11	56%	18%	0%	7%	4%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	108	590	LD	25	50	25	72	1	0.335	21.327	0.019	1.192	0.017	1.094
14	12	57%	17%	0%	7%	4%	0%	1%	0%	4%	4%	2%	2%	2%	0%	0%	2%	115	590	LD	25	50	25	71	1	0.327	22.169	0.018	1.220	0.017	1.120
14	13	57%	17%	0%	7%	5%	0%	1%	0%	5%	4%	2%	1%	1%	0%	0%	2%	109	590	LD	25	50	25	71	1	0.293	18.862	0.015	0.995	0.014	0.913
14	14	58%	16%	0%	7%	4%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	101	590	LD	25	50	25	71	1	0.294	17.503	0.016	0.954	0.015	0.876
14	15	59%	14%	0%	8%	5%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	105	590	LD	25	50	25	72	1	0.297	18.386	0.016	1.009	0.015	0.926
14	16	60%	14%	0%	8%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	99	590	LD	25	50	24	74	1	0.288	16.823	0.016	0.936	0.015	0.859
14	17	59%	13%	0%	8%	5%	1%	2%	0%	4%	3%	2%	1%	1%	0%	0%	2%	103	590	LD	25	50	24	76	1	0.322	19.539	0.017	1.059	0.016	0.972
14	18	60%	14%	0%	7%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	96	590	LD	25	50	23	77	1	0.289	16.378	0.016	0.915	0.015	0.840
14	19	60%	14%	0%	7%	5%	0%	1%	0%	4%	4%	1%	1%	1%	0%	0%	2%	84	590	LD	25	50	23	78	1	0.307	15.196	0.016	0.802	0.015	0.736
14	20	59%	15%	0%	7%	4%	0%	1%	0%	4%	3%	1%	1%	1%	0%	0%	1%	69	590	LD	25	50	23	79	1	0.309	12.587	0.017	0.688	0.016	0.632
14	21	57%	15%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	65	590	LD	25	50	23	80	1	0.328	12.575	0.018	0.678	0.016	0.623
14	22	58%	15%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	66	590	LD	25	50	23	81	1	0.323	12.594	0.018	0.686	0.016	0.630
14	23	57%	17%	0%	7%	3%	0%	2%	0%	3%	3%	2%	2%	2%	0%	0%	2%	58	590	LD	25	50	23	81	1	0.334	11.426	0.018	0.623	0.017	0.572
15	0	36%	23%	0%	9%	5%	0%	0%	0%	9%	5%	5%	5%	5%	0%	0%	0%	22	590	LD	25	50	23	82	1	0.519	6.731	0.031	0.405	0.029	0.372
15	1	33%	20%	0%	7%	7%	0%	0%	0%	7%	7%	7%	7%	7%	0%	0%	0%	15	590	LD	25	50	22	82	1	0.689	6.099	0.043	0.377	0.039	0.347
15	2	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.365	1.940	0.024	0.128	0.022	0.118
15	3	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.365	1.940	0.024	0.128	0.022	0.118
15	4	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.365	1.940	0.024	0.128	0.022	0.118
15	5	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.365	1.940	0.024	0.128	0.022	0.118
15	6	37%	26%	0%	7%	4%	0%	0%	0%	7%	4%	7%	4%	4%	0%	0%	0%	27	590	LD	25	50	22	83	1	0.505	8.045	0.031	0.489	0.028	0.450
15	7	35%	29%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	51	590	LD	25	50	22	82	1	0.523	15.740	0.030	0.896	0.027	0.824
15	8	36%	31%	0%	5%	3%	0%	0%	0%	7%	5%	5%	3%	5%	0%	0%	0%	61	590	LD	25	50	23	79	1	0.513	18.464	0.028	1.008	0.026	0.926
15	9	35%	30%	0%	6%	4%	0%	0%	0%	7%	6%	6%	4%	4%	0%	0%	0%	54	590	LD	25	50	23	77	1	0.505	16.079	0.029	0.910	0.026	0.837
15	10	36%	28%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	50	590	LD	25	50	24	74	1	0.522	15.407	0.030	0.898	0.028	0.825
15	11	36%	26%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	47	590	LD	25	50	25	72	1	0.536	14.868	0.032	0.900	0.030	0.828
15	12	36%	24%	0%	8%	4%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	50	590	LD	25	50	25	71	1	0.515	15.205	0.031	0.919	0.029	0.845
15	13	36%	22%	0%	8%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	50	590	LD	25	50	25	71	1	0.532	15.705	0.032	0.941	0.029	0.865
15	14	37%	21%	0%	10%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	52	590	LD	25	50	25	71	1	0.520	15.963	0.031	0.955	0.029	0.879
15	15	36%	20%	0%	9%	6%	0%	2%	0%	7%	6%	6%	4%	6%	0%	0%	0%	55	590	LD	25	50	25	72	1	0.590	19.160	0.034	1.104	0.031	1.016
15	16	35%	18%	0%	11%	5%	0%	2%	0%	7%	5%	7%	5%	5%	0%	0%	0%	57	590	LD	25	50	24	74	1	0.637	21.427	0.039	1.327	0.036	1.221
15	17	36%	13%	0%	12%	7%	0%	2%	0%	8%	7%	7%	5%	5%	0%	0%	0%	61	590	LD	25	50	24	76	1	0.616	22.187	0.039	1.393	0.036	1.281
15	18	37%	14%	0%	11%	5%	0%	2%	0%	7%	7%	7%	5%	5%	0%	0%	0%	57	590	LD	25	50	23	77	1	0.640	21.540	0.040	1.351	0.037	1.243
15	19	37%	15%	0%	11%	7%	0%	2%	0%	7%	7%	7%	4%	4%	0%	0%	0%	46	590	LD	25	50	23	78	1	0.606	16.455	0.037	0.991	0.034	0.911
15	20	38%	16%	0%	11%	5%	0%	0%	0%	8%	5%	5%	5%	5%	0%	0%	0%	37	590	LD	25	50	23	79	1	0.583	12.716	0.037	0.801	0.034	0.737
15	21	39%	19%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	31	590	LD	25	50	23	80	1	0.504	9.220	0.030	0.555	0.028	0.510
15	22	39%	19%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	31	590	LD	25	50	23	81	1	0.502	9.183	0.030	0.555	0.028	0.510
15	23	41%	19%	0%	7%	4%	0%	0%	0%	7%	7%	7%	4%	4%	0%	0%	0%	27	590	LD	25	50	23	81	1	0.497	7.915	0.032	0.514	0.030	0.473
16	0	28%	22%	0%	10%	6%	2%	5%	7%	4%	4%	2%	2%	2%	1%	4%	2%	185	200	LD	24	50	23	82	1	0.801	29.654	0.030	1.112	0.028	1.023
16	1	28%	22%	0%	10%	6%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	108	200	LD	25	50	22	82	1	0.790	17.070	0.030	0.658	0.028	0.605
16	2	27%	23%	0%	9%	6%	1%	6%	7%	4%	4%	3%	1%	1%	0%	4%	3%	70	200	LD	25	50	22	83	1	0.773	10.822	0.029	0.412	0.027	0.378
16	3	28%	23%	0%	9%	6%	1%	6%	7%	4%	4%	3%	1%	1%	0%	4%	1%	69	200	LD	25	50	22	83	1	0.772	10.658	0.029	0.407	0.027	0.374
16	4	27%	23%	0%	9%	6%	1%	6%	7%	4%	4%	3%	3%	3%	0%	4%	1%	71	200	LD	25	50	22	83	1	0.827	11.747	0.034	0.482	0.031	0.444
16	5	25%	22%	0%	8%	6%	1%	6%	7%	4%	4%	3%	3%	3%	0%	4%	4%	72	200	LD	25	50	22	83	1	0.836	12.045	0.034	0.490	0.031	0.450
16	6	25%	23%	0%	9%	6%	2%	6%	7%	5%	4%	3%	2%	2%	1%	5%	2%	217	200	LD	24	50	22	83	1	0.887	38.510	0.034	1.479	0.031	1.361
16	7	24%	22%	0%	9%	5%	2%	6%	7%	5%	4%	4%	3%	3%	0%	4%	2%	401	200	LD	22	50	22	82	1	0.926	74.273	0.037	2.937	0.034	2.702
16	8	24%	22%	0%	9%	5%	2%	6%	7%	5%	4%	4%	3%	3%	0%	4%	2%	518	200	LD	21	50	23	79	1	0.953	98.689	0.038	3.913	0.035	3.596
16	9	25%	22%	0%	9%	5%	2%	6%	7%	5%	4%	3%	3%	3%	0%	4%	2%	440	200	LD	22	50	23	77	1	0.915	80.534	0.036	3.139	0.033	2.888
16	10	25%	22%	0%	10%	6%	2%	6%	7%	5%	4%	3%	2%	2%	0%	4%	2%	415	200	LD	22	50	24	74	1	0.904	75.017	0.035	2.916	0.032	2.683
16	11	26%	22%	0%	10%	6%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	373	200	LD	23	50	25	72	1	0.851	63.486	0.032	2.419	0.030	2.227
16	12	26%	21%	0%	10%	6%	2%	6%	7%	5%	4%	3%	2%	2%	0%	5%	2%	419	200	LD	22	50	25	71	1	0.882	73.883	0.033	2.746	0.030	2.527
16	13	28%	22%	0%	10%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	410	200	LD	22	50	25	71	1	0.865	70.948	0.032	2.592	0.029	2.385
16	14	28%	22%	0%	10%	6%	2%	5%	7%	5%	4%	2%	1%	1%	0%	5%	2%	414	200	LD	22	50	25	71	1	0.843	69.778	0.030	2.488	0.028	2.289
16	15	28%	21%	0%	11%	7%	2%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	459	200	LD	22	50	25	72	1	0.838	76.930	0.029	2.680	0.027	2.466
16	16	29%	21%	0%	11%	7%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	455	200	LD	22	50	24	74	1	0.831	75.644	0.028	2.550	0.026	2.346
16	17	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	1%	1%	1%	0%	5%	2%	487	200	LD	22	50	24	76	1	0.812	79.076	0.027	2.637	0.025	2.427
16	18	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	1%	5%	2%	443	200	LD	22	50	23	77	1	0.835	73.970	0.028	2.458	0.026	2.262
16	19	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	367	200	LD	23	50	23	78	1	0.805	59.082	0.027	2.012	0.025	1.853
16	20	29%	22%	0%	11%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	300	200	LD	23	50	23	79	1	0.811	48.684	0.028	1.699	0.026	1.564
16	21	28%	21%	0%	11%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	271	200	LD	24	50	23	80	1	0.820	44.441	0.030	1.607	0.027	1.479
16	22	28%	22%	0%	9%	5%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	258	200	LD	24	50	23	81	1	0.821	42.381	0.030	1.540	0.027	1.417
16	23	28%	22%	0%	9%	6%	2%	5%	7%	5%	4%	2%	1%	2%	1%	5%	2%	220	200	LD	24	50	23	81	1	0.828	36.425	0.030	1.311	0.027	1.207
17	0	24%	23%	0%	13%	7%	1%	3%	7%	3%	2%	3%	2%	2%	0%	8%	1%	88	200	LD	25	50	23	82	1	0.938	16.502	0.034	0.592	0.031	0.544
17	1	28%	21%	0%	11%	7%	2%	4%	7%	4%	2%	4%	2%	2%	0%	7%	2%	57	200	LD	25	50	22	82	1	0.883	10.069	0.032	0.360	0.029	0.331
17	2	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	0.889	5.692	0.034	0.219	0.032	0.202
17	3	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	0.889	5.692	0.034	0.219	0.032	0.202
17	4	23%	23%	0%	13%	10%	0%	3%	7%	3%	3%	3%	0%	0%	0%	7%	3%	30	200	LD	25	50	22	83	1	0.812	4.872	0.025	0.152	0.023	0.139
17	5	25%	21%	0%	14%	11%	0%	4%	7%	4%	4%	4%	0%	0%	0%	7%	0%	28	200	LD	25	50	22	83	1	0.839	4.697	0.027	0.150	0.025	0.138

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
17	6	22%	20%	0%	15%	8%	3%	9%	7%	3%	3%	1%	1%	1%	0%	6%	1%	100	200	LD	25	50	22	83	1	0.941	18.823	0.032	0.633	0.029	0.582
17	7	24%	19%	1%	18%	11%	1%	4%	8%	3%	3%	1%	1%	1%	1%	5%	2%	186	200	LD	24	50	22	82	1	0.836	31.110	0.027	0.996	0.025	0.917
17	8	23%	18%	1%	20%	12%	1%	3%	8%	3%	3%	0%	0%	0%	0%	5%	2%	239	200	LD	24	50	23	79	1	0.810	38.705	0.026	1.244	0.024	1.145
17	9	23%	19%	1%	18%	11%	1%	3%	8%	3%	2%	1%	1%	1%	1%	6%	2%	209	200	LD	24	50	23	77	1	0.868	36.293	0.028	1.187	0.026	1.092
17	10	24%	20%	1%	16%	9%	1%	3%	7%	3%	3%	2%	1%	1%	1%	6%	3%	189	200	LD	24	50	24	74	1	0.880	33.249	0.029	1.087	0.026	1.000
17	11	23%	20%	1%	15%	9%	1%	3%	7%	3%	3%	2%	2%	2%	1%	7%	3%	181	200	LD	24	50	25	72	1	0.911	32.983	0.031	1.133	0.029	1.042
17	12	25%	21%	1%	13%	8%	1%	3%	7%	3%	3%	3%	2%	2%	1%	8%	3%	199	200	LD	24	50	25	71	1	0.949	37.767	0.032	1.281	0.030	1.178
17	13	23%	21%	1%	14%	9%	1%	4%	7%	3%	2%	3%	2%	2%	1%	8%	2%	213	200	LD	24	50	25	71	1	0.991	42.237	0.034	1.465	0.032	1.347
17	14	24%	21%	1%	12%	7%	1%	4%	7%	3%	2%	3%	2%	2%	1%	8%	2%	215	200	LD	24	50	25	71	1	0.999	42.970	0.035	1.484	0.032	1.366
17	15	24%	22%	0%	10%	7%	1%	4%	7%	3%	2%	4%	3%	3%	0%	8%	2%	247	200	LD	24	50	25	72	1	1.028	50.759	0.037	1.830	0.034	1.684
17	16	24%	22%	0%	10%	6%	1%	2%	7%	3%	2%	5%	3%	3%	0%	9%	2%	247	200	LD	24	50	24	74	1	1.050	51.858	0.037	1.828	0.034	1.682
17	17	23%	22%	0%	9%	6%	1%	2%	6%	3%	2%	5%	4%	4%	1%	9%	3%	276	200	LD	23	50	24	76	1	1.117	61.646	0.040	2.220	0.037	2.043
17	18	24%	23%	0%	9%	5%	1%	3%	7%	3%	3%	5%	3%	3%	1%	9%	3%	244	200	LD	24	50	23	77	1	1.092	53.297	0.039	1.883	0.035	1.732
17	19	24%	23%	0%	9%	6%	1%	3%	7%	3%	3%	5%	3%	3%	1%	9%	2%	198	200	LD	24	50	23	78	1	1.066	42.202	0.038	1.496	0.035	1.376
17	20	24%	23%	0%	11%	6%	1%	3%	7%	3%	3%	4%	3%	3%	1%	9%	1%	155	200	LD	25	50	23	79	1	1.036	32.111	0.037	1.144	0.034	1.052
17	21	24%	22%	0%	12%	6%	1%	3%	7%	3%	2%	4%	3%	3%	1%	9%	2%	136	200	LD	25	50	23	80	1	1.027	27.924	0.036	0.985	0.033	0.906
17	22	24%	23%	0%	11%	6%	1%	3%	8%	3%	2%	4%	2%	2%	1%	8%	2%	131	200	LD	25	50	23	81	1	0.987	25.847	0.034	0.895	0.031	0.823
17	23	24%	22%	0%	11%	7%	1%	3%	7%	3%	3%	4%	3%	3%	1%	7%	3%	108	200	LD	25	50	23	81	1	0.969	20.932	0.035	0.756	0.032	0.695
18	0	27%	23%	0%	9%	5%	1%	4%	9%	5%	4%	2%	1%	1%	0%	4%	1%	138	250	LD	25	50	23	82	1	0.728	25.117	0.028	0.980	0.026	0.901
18	1	28%	24%	0%	9%	5%	1%	4%	9%	5%	5%	3%	1%	1%	0%	5%	1%	80	250	LD	25	50	22	82	1	0.761	15.220	0.028	0.563	0.026	0.518
18	2	26%	24%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	54	250	LD	25	50	22	83	1	0.735	9.924	0.029	0.394	0.027	0.362
18	3	26%	26%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	55	250	LD	25	50	22	83	1	0.721	9.908	0.028	0.388	0.026	0.357
18	4	26%	26%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	55	250	LD	25	50	22	83	1	0.721	9.908	0.028	0.388	0.026	0.357
18	5	24%	26%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	0%	4%	2%	54	250	LD	25	50	22	83	1	0.742	10.014	0.029	0.393	0.027	0.361
18	6	22%	25%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	1%	4%	2%	166	250	LD	24	50	22	83	1	0.828	34.374	0.031	1.281	0.028	1.179
18	7	21%	25%	0%	9%	6%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	310	250	LD	23	50	22	82	1	0.871	67.486	0.032	2.514	0.030	2.314
18	8	21%	25%	0%	9%	5%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	387	250	LD	22	50	23	79	1	0.906	87.612	0.033	3.232	0.031	2.974
18	9	22%	25%	0%	9%	5%	2%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	337	250	LD	23	50	23	77	1	0.865	72.883	0.032	2.673	0.029	2.460
18	10	23%	24%	0%	9%	6%	2%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	309	250	LD	23	50	24	74	1	0.834	64.433	0.031	2.380	0.028	2.191
18	11	25%	24%	0%	9%	5%	1%	5%	9%	6%	5%	2%	1%	2%	0%	5%	2%	282	250	LD	23	50	25	72	1	0.828	58.358	0.030	2.141	0.028	1.971
18	12	25%	23%	0%	9%	5%	1%	5%	9%	5%	5%	2%	2%	2%	0%	5%	2%	312	250	LD	23	50	25	71	1	0.827	64.474	0.030	2.364	0.028	2.177
18	13	27%	23%	0%	9%	5%	1%	4%	9%	5%	5%	2%	1%	1%	0%	5%	2%	313	250	LD	23	50	25	71	1	0.801	62.642	0.029	2.266	0.027	2.086
18	14	28%	22%	0%	9%	5%	1%	4%	9%	5%	5%	2%	1%	1%	0%	5%	2%	314	250	LD	23	50	25	71	1	0.793	62.289	0.029	2.251	0.026	2.073
18	15	29%	22%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	341	250	LD	23	50	25	72	1	0.770	65.648	0.028	2.377	0.026	2.189
18	16	30%	21%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	344	250	LD	23	50	24	74	1	0.773	66.462	0.028	2.393	0.026	2.204
18	17	31%	21%	0%	10%	5%	1%	4%	9%	5%	4%	1%	1%	1%	0%	5%	1%	370	250	LD	23	50	24	76	1	0.750	69.374	0.026	2.442	0.024	2.250
18	18	31%	21%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	2%	343	250	LD	23	50	23	77	1	0.762	65.381	0.027	2.291	0.025	2.110
18	19	30%	21%	0%	9%	6%	1%	4%	9%	5%	5%	1%	1%	1%	0%	5%	1%	286	250	LD	24	50	23	78	1	0.756	54.063	0.027	1.901	0.024	1.750
18	20	29%	21%	0%	9%	6%	1%	4%	9%	5%	4%	2%	1%	1%	0%	5%	1%	229	250	LD	24	50	23	79	1	0.768	43.946	0.028	1.589	0.026	1.463
18	21	29%	22%	0%	9%	6%	2%	4%	9%	6%	4%	2%	1%	1%	1%	5%	2%	197	250	LD	24	50	23	80	1	0.771	37.956	0.027	1.320	0.025	1.215
18	22	28%	22%	0%	9%	6%	2%	4%	9%	6%	4%	2%	1%	2%	1%	5%	2%	197	250	LD	24	50	23	81	1	0.795	39.160	0.028	1.376	0.026	1.267
18	23	28%	22%	0%	9%	6%	1%	4%	9%	6%	4%	2%	1%	1%	1%	5%	2%	171	250	LD	24	50	23	81	1	0.780	33.341	0.028	1.195	0.026	1.100
19	0	25%	23%	0%	11%	6%	0%	2%	11%	4%	4%	4%	2%	2%	0%	6%	2%	53	250	LD	25	50	23	82	1	0.789	10.453	0.032	0.419	0.029	0.385
19	1	22%	22%	0%	13%	6%	0%	3%	13%	3%	3%	3%	3%	3%	0%	6%	0%	32	250	LD	25	50	22	82	1	0.923	7.384	0.037	0.297	0.034	0.273
19	2	25%	20%	0%	15%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.692	3.461	0.026	0.131	0.024	0.121
19	3	24%	24%	0%	14%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	21	250	LD	25	50	22	83	1	0.680	3.570	0.025	0.131	0.023	0.121
19	4	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.769	3.846	0.024	0.120	0.022	0.110
19	5	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.769	3.846	0.024	0.120	0.022	0.110
19	6	22%	25%	0%	15%	8%	2%	3%	11%	5%	3%	2%	0%	0%	0%	5%	2%	65	250	LD	25	50	22	83	1	0.715	11.617	0.024	0.389	0.022	0.358
19	7	21%	25%	0%	15%	9%	1%	3%	12%	4%	3%	1%	0%	0%	0%	4%	1%	118	250	LD	25	50	22	82	1	0.696	20.519	0.023	0.679	0.021	0.624
19	8	21%	26%	1%	15%	9%	1%	3%	12%	4%	3%	0%	0%	0%	0%	4%	1%	150	250	LD	25	50	23	79	1	0.680	25.482	0.022	0.831	0.020	0.765
19	9	22%	25%	0%	15%	9%	1%	2%	12%	4%	3%	1%	1%	1%	0%	5%	1%	130	250	LD	25	50	23	77	1	0.744	24.187	0.026	0.842	0.024	0.775
19	10	21%	25%	0%	14%	9%	1%	3%	12%	4%	3%	2%	1%	1%	0%	4%	1%	118	250	LD	25	50	24	74	1	0.724	21.352	0.027	0.784	0.024	0.722
19	11	22%	22%	0%	13%	8%	1%	2%	12%	4%	4%	3%	2%	2%	0%	5%	1%	107	250	LD	25	50	25	72	1	0.774	20.699	0.031	0.842	0.029	0.774
19	12	22%	21%	0%	13%	7%	1%	3%	12%	4%	3%	3%	3%	3%	0%	5%	1%	118	250	LD	25	50	25	71	1	0.828	24.433	0.035	1.021	0.032	0.939
19	13	24%	20%	0%	12%	7%	1%	2%	12%	4%	3%	4%	3%	3%	0%	6%	1%	119	250	LD	25	50	25	71	1	0.847	25.204	0.035	1.048	0.032	0.964
19	14	23%	19%	0%	11%	6%	1%	2%	12%	4%	3%	5%	3%	3%	1%	6%	1%	120	250	LD	25	50	25	71	1	0.914	27.434	0.039	1.167	0.036	1.074
19	15	24%	18%	0%	10%	5%	1%	2%	12%	4%	3%	5%	4%	4%	1%	6%	2%	130	250	LD	25	50	25	72	1	0.946	30.759	0.041	1.343	0.038	1.235
19	16	24%	17%	0%	9%	5%	1%	2%	12%	4%	3%	6%	5%	5%	1%	8%	2%	133	250	LD	25	50	24	74	1	1.039	34.552	0.045	1.488	0.041	1.369
19	17	24%	15%	0%	8%	4%	1%	1%	12%	4%	4%	8%	5%	5%	1%	8%	1%	144	250	LD	25	50	24	76	1	1.052	37.890	0.048	1.721	0.044	1.583
19	18	24%	16%	0%	8%	5%	1%	2%	12%	4%	3%	8%	5%	5%	1%	8%	2%	133	250	LD	25	50	23	77	1	1.058	35.178	0.046	1.546	0.043	1.422
19	19	23%	17%	0%	9%	5%	1%	2%	12%	4%	4%	6%	5%	5%	1%	6%	2%	111	250	LD	25	50	23	78	1	1.008	27.969	0.045	1.242	0.041	1.142
19	20	23%	18%	0%	9%	6%	1%	2%	12%	4%	3%	6%	4%	4%	0%	7%	1%	91	250	LD	25	50	23	79	1	0.980	22.294	0.044	1.000	0.040	0.920
19	21	23%	18%	0%	9%	5%	1%	1%	13%	4%	4%	5%	4%	4%	0%	7%	1%	77	250	LD	25	50	23	80	1	0.935	17.999	0.042	0.801	0.038	0.737
19	22	23%	19%	0%	9%	5%	1%	1%	13%	4%	4%	5%	4%	4%	0%	6%	1%	78	250	LD	25	50	23	81	1	0.920	17.942	0.041	0.796	0.038	0.732
19	23	23%	20%	0%	11%	6%	0%	2%	11%	5%	3%	5%	3%	3%	0%	6%	2%	64	250	LD	25	50	23	81	1	0.875	14.001	0.037	0.592	0.034	0.544
20	0	31%	28%	0%	10%	6%	1%	3%	8%	3%	3%	1%	1%	1%	0%	4%	3%	159	310	LD	24	50	23	82	1	0.624	30.766	0.021	1.031	0.019	0.949
20	1	31%	30%	0%	11%	5%	1%	2%	7%	3%	3%	1%	0%	0%	0%	4%	2%	95	310	LD	25	50	22	82	1	0.609	17.930	0.019	0.550	0.017	0.505
20	2	30%	30%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	61	310	LD	25	50	22	83	1	0.602	11.390	0.019	0.353	0.017	0.325
20	3	29%	31%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	62	310	LD	25	50	22	83	1	0.596	11.457	0.018	0.352	0.017	0.324
20	4	29%	31%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	62	310	LD	25	50	22	83	1	0.596	11.457	0.018	0.352	0.017	0.324
20	5	28%	31%	0%	10%	7%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	61	310	LD	25	50	22	83	1	0.608	11.502	0.019	0.351	0.017	0.323
20	6	27%	31%	1%	11%	7%	1%	3%	9%	3%	3%	1%	1%	1%	0%	4%	1%	186	310	LD	23	50	22	83	1	0.675	38.910	0.022	1.242	0.020	1.144
20	7	26%	31%	0%	11%	6%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	1%	346	310	LD	21	50	22	82	1	0.735	78.824	0.022	2.374	0.020	2.182
20	8	25%	31%	0%	11%	7%	1%	3%	9%	4%	3%	1%	1%	1%	0%	4%	1%	437	310	LD	20	50	23	79	1	0.745	100.987	0.023	3.104	0.021	2.860
20	9	26%	31%	0%	11%	6%	1%	3%	9%	4%	3%	1%	0%	0%	0%	4%	1%	376	310	LD	21	50	23	77	1	0.725	84.539	0.022	2.545	0.020	2.338
20	10	27%	30%	0%	11%	6%	1%	2%	8%	4%	3%	1%	0%	0%	0%	4%	1%	347	310	LD	21	50	24	74	1	0.707	76.045	0.022	2.324	0.020	2.135
20	11	28%	29%	0%	10%	6%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	2%	318	310	LD	22	50	25	72	1	0.683	67.370	0.021	2.087	0.019	1.920
20	12	30%	29%	0%	10%	6%	1%	2%	8%	3%	3%	1%	0%	1%	0%	4%	2%	351	310	LD	21	50	25	71	1	0.700	76.113	0.022	2.367	0.020	2.174
20	13	31%	28%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	2%	352	310	LD	21	50	25	71	1	0.698	76.150	0.022	2.434	0.020	2.236
20	14	31%	27%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	357	310	LD	21	50	25	71	1	0.700	77.478	0.022	2.464	0.020	2.262
20	15	32%	26%	0%	9%	5%	1%	3%	8%	3%	3%	1%	1%	1%	0%	4%	3%	394	310	LD	21	50	25	72	1	0.688	84.090	0.022	2.710	0.020	2.488
20	16	33%	26%	0%	9%	5%	1%	3%	8%	3%	3%	1%	1%	1%	0%	4%	4%	396	310	LD	21	50	24	74	1	0.687	84.312	0.022	2.700	0.020	2.478
20	17	34%	25%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	430	310	LD	20	50	24	76	1	0.690	91.971	0.022	2.944	0.020	2.709
20	18	34%	26%	0%	9%	5%	1%	3%	8%	3%	3%	1%	1%	1%	0%	4%	4%	396	310	LD	21	50	23	77	1	0.688	84.509	0.022	2.695	0.020	2.473
20	19	33%	26%	0%	9%	5%	1%	2%	8%	3%	2%	1%	1%	1%	0%	4%	3%	329	310	LD	22	50	23	78	1	0.680	69.339	0.021	2.192	0.020	2.015
20	20	33%	27%	0%	9%	5%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	3%	260	310	LD	22	50	23	79	1	0.679	54.745	0.021	1.714	0.020	1.576
20	21	32%	27%	0%	9%	6%	1%	2%	8%	3%	3%	0%	0%	0%	0%	4%	3%	226	310	LD	23	50	23	80	1	0.670	46.908	0.021	1.445	0.019	1.331
20	22	32%	27%	0%	9%	6%	1%	2%	8%	3%	3%	0%	0%	0%	0%	4%	3%	225	310	LD	23	50	23	81	1	0.669	46.663	0.021	1.436	0.019	1.322
20	23	31%	28%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	1%	4%	3%	190	310	LD	23	50	23	81	1	0.650	38.268	0.021	1.224	0.019	1.127
21	0	22%	22%	0%	9%	6%	0%	0%	22%	4%	4%	4%	2%	2%	0%	6%	0%	55	310	LD	25	50	23	82	1	0.776	13.226	0.034	0.575	0.031	0.529
21	1	21%	21%	0%	9%	6%	0%	0%	21%	3%	3%	3%	3%	3%	0%	6%	0%	33	310	LD	25	50	22	82	1	0.875	8.952	0.037	0.383	0.034	0.352
21	2	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.646	4.206	0.024	0.154	0.022	0.142
21	3	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.646	4.206	0.024	0.154	0.022	0.142
21	4	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.675	4.184	0.024	0.152	0.023	0.140
21	5	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.675	4.184	0.024	0.152	0.023	0.140
21	6	22%	25%	0%	11%	6%	0%	0%	23%	5%	5%	0%	0%	0%	0%	5%	0%	65	310	LD	25	50	22	83	1	0.656	13.224	0.024	0.479	0.022	0.441
21	7	20%	25%	0%	12%	7%	0%	1%	23%	5%	4%	0%	0%	0%	0%	4%	0%	124	310	LD	24	50	22	82	1	0.665	25.543	0.024	0.936	0.022	0.862
21	8	21%	24%	0%	12%	8%	0%	1%	22%	5%	4%	0%	0%	0%	0%	4%	0%	161	310	LD	24	50	23	79	1	0.647	32.280	0.024	1.214	0.022	1.118
21	9	21%	23%	0%	11%	7%	0%	1%	22%	5%	4%	1%	1%	1%	0%	4%	0%	141	310	LD	24	50	23	77	1	0.678	29.624	0.027	1.194	0.025	1.099
21	10	21%	23%	0%	11%	7%	0%	0%	23%	5%	4%	1%	1%	1%	0%	4%	0%	124	310	LD	24	50	24	74	1	0.681	26.159	0.028	1.058	0.025	0.974
21	11	22%	23%	0%	11%	6%	0%	0%	22%	5%	4%	2%	1%	1%	0%	5%	1%	111	310	LD	24	50	25	72	1	0.699	24.069	0.029	0.988	0.026	0.910
21	12	21%	22%	0%	10%	6%	0%	0%	21%	5%	4%	2%	2%	2%	0%	5%	1%	125	310	LD	24	50	25	71	1	0.748	28.992	0.032	1.226	0.029	1.128
21	13	22%	22%	0%	10%	6%	0%	0%	21%	4%	3%	3%	2%	3%	0%	5%	1%	120	310	LD	24	50	25	71	1	0.782	29.108	0.033	1.235	0.031	1.137
21	14	22%	21%	0%	9%	5%	0%	0%	21%	4%	3%	3%	3%	3%	0%	6%	1%	120	310	LD	24	50	25	71	1	0.831	30.923	0.036	1.340	0.033	1.234
21	15	22%	19%	0%	9%	4%	0%	0%	21%	4%	3%	4%	3%	3%	1%	6%	2%	135	310	LD	24	50	25	72	1	0.887	37.114	0.038	1.610	0.035	1.481
21	16	23%	19%	0%	8%	5%	0%	0%	20%	4%	3%	5%	3%	3%	1%	6%	2%	132	310	LD	24	50	24	74	1	0.911	37.291	0.039	1.599	0.036	1.471
21	17	23%	18%	0%	8%	4%	0%	0%	20%	4%	3%	5%	4%	4%	1%	7%	1%	144	310	LD	24	50	24	76	1	0.959	42.823	0.042	1.864	0.038	1.715
21	18	22%	19%	0%	8%	5%	0%	0%	19%	4%	3%	5%	4%	4%	1%	6%	2%	134	310	LD	24	50	23	77	1	0.943	39.176	0.041	1.718	0.038	1.581
21	19	22%	20%	0%	7%	5%	0%	0%	20%	4%	4%	5%	4%	4%	0%	6%	1%	110	310	LD	24	50	23	78	1	0.922	31.424	0.041	1.399	0.038	1.288
21	20	23%	20%	0%	8%	5%	0%	0%	20%	3%	3%	5%	3%	3%	0%	6%	1%	89	310	LD	25	50	23	79	1	0.852	23.516	0.039	1.088	0.036	1.000
21	21	22%	21%	0%	8%	5%	0%	0%	21%	4%	4%	4%	3%	3%	0%	5%	1%	77	310	LD	25	50	23	80	1	0.800	19.107	0.036	0.865	0.033	0.795
21	22	22%	21%	0%	9%	5%	0%	0%	21%	4%	4%	4%	3%	3%	0%	5%	1%	78	310	LD	25	50	23	81	1	0.792	19.145	0.036	0.872	0.033	0.802
21	23	23%	22%	0%	9%	5%	0%	0%	22%	5%	3%	3%	2%	2%	0%	5%	2%	65	310	LD	25	50	23	81	1	0.705	14.209	0.031	0.627	0.029	0.577
22	0	24%	22%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	105	330	LD	24	50	23	82	1	0.660	22.874	0.026	0.903	0.024	0.831
22	1	23%	22%	0%	11%	6%	0%	2%	11%	6%	6%	2%	2%	2%	0%	5%	3%	64	330	LD	25	50	22	82	1	0.735	15.524	0.028	0.590	0.026	0.543
22	2	25%	20%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	40	330	LD	25	50	22	83	1	0.652	8.604	0.023	0.309	0.021	0.284
22	3	25%	20%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	40	330	LD	25	50	22	83	1	0.652	8.604	0.023	0.309	0.021	0.284
22	4	26%	21%	0%	13%	8%	0%	0%	10%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.649	8.356	0.023	0.292	0.021	0.268
22	5	26%	21%	0%	13%	8%	0%	0%	10%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.649	8.356	0.023	0.292	0.021	0.268
22	6	24%	20%	0%	13%	7%	0%	1%	12%	9%	6%	2%	1%	1%	0%	3%	3%	118	330	LD	24	50	22	83	1	0.636	24.770	0.025	0.982	0.023	0.904
22	7	23%	20%	1%	12%	8%	0%	1%	12%	8%	7%	1%	1%	1%	1%	4%	2%	212	330	LD	23	50	22	82	1	0.708	49.531	0.026	1.839	0.024	1.693
22	8	22%	20%	0%	12%	7%	0%	1%	12%	8%	7%	2%	1%	1%	0%	4%	2%	269	330	LD	22	50	23	79	1	0.749	66.486	0.028	2.507	0.026	2.307
22	9	23%	20%	0%	12%	7%	0%	1%	12%	8%	6%	2%	1%	1%	0%	4%	2%	240	330	LD	23	50	23	77	1	0.753	59.670	0.029	2.269	0.026	2.088
22	10	23%	21%	1%	12%	7%	1%	1%	12%	8%	6%	1%	1%	1%	1%	4%	2%	221	330	LD	23	50	24	74	1	0.703	51.249	0.026	1.929	0.024	1.776
22	11	23%	21%	1%	12%	7%	1%	1%	12%	7%	6%	1%	1%	1%	1%	4%	2%	208	330	LD	23	50	25	72	1	0.712	48.839	0.027	1.846	0.025	1.699
22	12	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	237	330	LD	23	50	25	71	1	0.738	57.707	0.028	2.189	0.026	2.015
22	13	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	5%	3%	242	330	LD	23	50	25	71	1	0.752	60.066	0.028	2.221	0.026	2.044
22	14	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	5%	3%	247	330	LD	22	50	25	71	1	0.773	63.015	0.028	2.293	0.026	2.109
22	15	23%	21%	0%	12%	7%	0%	2%	11%	7%	6%	2%	1%	1%	0%	4%	3%	274	330	LD	22	50	25	72	1	0.767	69.318	0.028	2.528	0.026	2.325

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
22	16	23%	21%	0%	12%	7%	0%	1%	11%	6%	5%	2%	1%	1%	0%	5%	3%	282	330	LD	22	50	24	74	1	0.781	72.668	0.028	2.615	0.026	2.405
22	17	23%	22%	0%	12%	7%	1%	2%	11%	6%	5%	2%	1%	1%	0%	4%	4%	315	330	LD	22	50	24	76	1	0.773	80.320	0.028	2.954	0.026	2.716
22	18	23%	21%	0%	12%	7%	0%	1%	11%	6%	5%	2%	1%	1%	0%	5%	4%	286	330	LD	22	50	23	77	1	0.766	72.288	0.027	2.572	0.025	2.365
22	19	23%	21%	0%	12%	7%	0%	1%	10%	6%	6%	2%	1%	1%	0%	5%	3%	236	330	LD	23	50	23	78	1	0.779	60.666	0.028	2.195	0.026	2.019
22	20	24%	21%	1%	12%	7%	1%	1%	11%	7%	6%	2%	1%	1%	1%	4%	3%	183	330	LD	23	50	23	79	1	0.722	43.599	0.027	1.628	0.025	1.498
22	21	23%	22%	0%	12%	8%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	158	330	LD	24	50	23	80	1	0.695	36.262	0.027	1.431	0.025	1.317
22	22	23%	21%	0%	12%	8%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	156	330	LD	24	50	23	81	1	0.695	35.775	0.028	1.420	0.025	1.307
22	23	23%	21%	0%	12%	8%	1%	2%	11%	6%	5%	2%	2%	2%	0%	4%	3%	133	330	LD	24	50	23	81	1	0.710	31.149	0.028	1.238	0.026	1.139
23	0	36%	9%	0%	11%	6%	2%	4%	0%	2%	2%	6%	4%	4%	0%	9%	4%	47	330	LD	25	50	23	82	1	1.032	15.999	0.043	0.669	0.040	0.615
23	1	46%	7%	0%	11%	7%	0%	4%	0%	4%	0%	4%	4%	4%	0%	7%	4%	28	330	LD	25	50	22	82	1	0.857	7.918	0.035	0.319	0.032	0.293
23	2	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	1.054	5.566	0.049	0.260	0.045	0.239
23	3	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	1.054	5.566	0.049	0.260	0.045	0.239
23	4	43%	7%	0%	14%	7%	0%	7%	0%	0%	0%	7%	0%	0%	0%	7%	7%	14	330	LD	25	50	22	83	1	0.814	3.759	0.029	0.136	0.027	0.124
23	5	39%	8%	0%	15%	8%	0%	8%	0%	0%	0%	8%	0%	0%	0%	8%	8%	13	330	LD	25	50	22	83	1	0.880	3.776	0.031	0.134	0.029	0.123
23	6	35%	2%	0%	14%	7%	6%	19%	0%	2%	2%	2%	2%	2%	0%	4%	2%	48	330	LD	25	50	22	83	1	1.055	16.707	0.042	0.669	0.039	0.616
23	7	40%	2%	0%	20%	12%	3%	8%	0%	3%	2%	2%	1%	1%	0%	2%	2%	87	330	LD	25	50	22	82	1	0.704	20.224	0.030	0.858	0.027	0.789
23	8	35%	1%	0%	26%	15%	3%	7%	0%	3%	3%	2%	1%	1%	0%	1%	4%	112	330	LD	25	50	23	79	1	0.675	24.942	0.030	1.095	0.027	1.007
23	9	36%	3%	0%	21%	12%	2%	6%	0%	3%	2%	3%	2%	2%	0%	3%	4%	98	330	LD	25	50	23	77	1	0.776	25.110	0.033	1.077	0.031	0.990
23	10	37%	4%	0%	18%	9%	2%	7%	0%	2%	2%	3%	2%	2%	0%	5%	5%	92	330	LD	25	50	24	74	1	0.862	26.158	0.034	1.045	0.032	0.960
23	11	35%	5%	0%	17%	9%	2%	5%	0%	2%	2%	4%	3%	3%	0%	6%	5%	95	330	LD	25	50	25	72	1	0.928	29.102	0.038	1.203	0.035	1.105
23	12	35%	7%	0%	13%	8%	2%	5%	0%	2%	2%	5%	4%	4%	1%	8%	6%	105	330	LD	24	50	25	71	1	1.068	36.990	0.041	1.430	0.038	1.315
23	13	32%	7%	0%	16%	9%	2%	5%	0%	2%	1%	5%	3%	3%	1%	9%	5%	120	330	LD	24	50	25	71	1	1.148	45.464	0.042	1.653	0.038	1.520
23	14	31%	9%	0%	14%	8%	2%	5%	0%	2%	1%	6%	4%	4%	1%	10%	6%	128	330	LD	24	50	25	71	1	1.210	51.111	0.044	1.858	0.040	1.708
23	15	31%	9%	0%	12%	7%	2%	6%	0%	1%	1%	7%	4%	4%	1%	11%	6%	149	330	LD	24	50	25	72	1	1.241	61.008	0.046	2.259	0.042	2.076
23	16	31%	10%	0%	12%	7%	1%	3%	0%	1%	1%	7%	5%	5%	1%	12%	6%	153	330	LD	24	50	24	74	1	1.275	64.371	0.047	2.361	0.043	2.170
23	17	30%	10%	0%	11%	7%	1%	3%	0%	1%	1%	7%	5%	6%	1%	12%	7%	178	330	LD	23	50	24	76	1	1.349	79.211	0.048	2.848	0.045	2.618
23	18	32%	11%	0%	10%	5%	1%	3%	0%	1%	1%	7%	5%	5%	1%	13%	6%	148	330	LD	24	50	23	77	1	1.322	64.562	0.047	2.305	0.043	2.119
23	19	33%	10%	0%	10%	5%	1%	3%	0%	1%	1%	7%	5%	5%	1%	13%	5%	117	330	LD	24	50	23	78	1	1.331	51.398	0.048	1.849	0.044	1.700
23	20	33%	9%	0%	12%	6%	1%	3%	0%	1%	1%	7%	4%	4%	1%	12%	4%	91	330	LD	25	50	23	79	1	1.244	37.366	0.045	1.351	0.041	1.242
23	21	33%	9%	0%	12%	7%	1%	4%	0%	1%	1%	7%	4%	5%	1%	10%	5%	77	330	LD	25	50	23	80	1	1.205	30.625	0.045	1.136	0.041	1.043
23	22	35%	9%	0%	10%	6%	1%	4%	0%	1%	1%	6%	4%	4%	1%	12%	4%	69	330	LD	25	50	23	81	1	1.225	27.900	0.044	1.002	0.040	0.921
23	23	33%	8%	0%	10%	7%	2%	5%	0%	2%	2%	7%	5%	5%	0%	10%	7%	61	330	LD	25	50	23	81	1	1.140	22.954	0.046	0.933	0.043	0.857
24	0	19%	21%	0%	8%	5%	1%	2%	16%	7%	6%	4%	2%	2%	0%	5%	1%	84	130	LD	25	50	23	82	1	0.812	8.867	0.036	0.389	0.033	0.358
24	1	21%	23%	0%	9%	4%	0%	2%	15%	9%	6%	2%	2%	2%	0%	4%	0%	47	130	LD	25	50	22	82	1	0.746	4.560	0.031	0.191	0.029	0.176
24	2	18%	21%	0%	9%	6%	0%	3%	15%	6%	6%	3%	3%	3%	0%	6%	0%	33	130	LD	25	50	22	83	1	0.923	3.958	0.038	0.163	0.035	0.150
24	3	16%	22%	0%	9%	6%	0%	3%	16%	6%	6%	3%	3%	3%	0%	6%	0%	32	130	LD	25	50	22	83	1	0.952	3.959	0.039	0.163	0.036	0.150
24	4	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	0.970	3.907	0.040	0.163	0.037	0.150
24	5	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	0.970	3.907	0.040	0.163	0.037	0.150
24	6	17%	21%	0%	9%	5%	1%	2%	16%	8%	7%	3%	2%	2%	0%	5%	1%	92	130	LD	25	50	22	83	1	0.851	10.183	0.036	0.425	0.033	0.391
24	7	15%	21%	0%	10%	6%	1%	2%	17%	8%	7%	3%	2%	2%	1%	6%	1%	169	130	LD	25	50	22	82	1	0.916	20.123	0.037	0.805	0.034	0.741
24	8	16%	20%	1%	10%	6%	1%	2%	17%	8%	7%	3%	2%	2%	1%	6%	1%	213	130	LD	24	50	23	79	1	0.910	25.189	0.037	1.030	0.034	0.948
24	9	17%	20%	0%	10%	6%	1%	2%	17%	8%	6%	3%	2%	2%	1%	5%	1%	187	130	LD	25	50	23	77	1	0.866	21.054	0.035	0.859	0.032	0.790
24	10	17%	21%	0%	9%	6%	1%	2%	16%	8%	6%	3%	2%	2%	1%	6%	1%	175	130	LD	25	50	24	74	1	0.888	20.209	0.036	0.812	0.033	0.747
24	11	18%	22%	0%	9%	5%	1%	3%	15%	8%	7%	3%	2%	3%	1%	5%	1%	163	130	LD	25	50	25	72	1	0.835	17.694	0.034	0.728	0.032	0.670
24	12	18%	21%	0%	9%	5%	1%	2%	15%	8%	7%	3%	2%	2%	1%	5%	1%	185	130	LD	25	50	25	71	1	0.853	20.518	0.034	0.829	0.032	0.763
24	13	19%	22%	0%	9%	5%	1%	3%	14%	7%	6%	3%	2%	2%	1%	5%	1%	189	130	LD	25	50	25	71	1	0.848	20.833	0.034	0.841	0.031	0.773
24	14	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	2%	2%	1%	5%	1%	192	130	LD	25	50	25	71	1	0.837	20.883	0.034	0.842	0.031	0.775
24	15	21%	22%	0%	8%	5%	1%	3%	14%	8%	6%	3%	2%	2%	1%	5%	1%	214	130	LD	24	50	25	72	1	0.842	23.438	0.034	0.933	0.031	0.859
24	16	21%	23%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	221	130	LD	24	50	24	74	1	0.847	24.321	0.034	0.970	0.031	0.892
24	17	22%	23%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	1%	241	130	LD	24	50	24	76	1	0.827	25.902	0.033	1.039	0.031	0.956
24	18	22%	23%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	222	130	LD	24	50	23	77	1	0.853	24.620	0.034	0.974	0.031	0.897
24	19	21%	23%	0%	8%	5%	1%	3%	13%	7%	6%	3%	2%	2%	1%	5%	1%	179	130	LD	25	50	23	78	1	0.812	18.899	0.033	0.764	0.030	0.703
24	20	21%	23%	0%	9%	4%	1%	3%	13%	8%	6%	3%	2%	2%	0%	5%	1%	142	130	LD	25	50	23	79	1	0.786	14.507	0.032	0.599	0.030	0.551
24	21	21%	23%	0%	8%	5%	1%	3%	14%	7%	6%	3%	3%	3%	0%	5%	1%	122	130	LD	25	50	23	80	1	0.813	12.901	0.035	0.549	0.032	0.505
24	22	20%	22%	0%	8%	5%	1%	3%	14%	7%	6%	3%	3%	3%	0%	5%	1%	119	130	LD	25	50	23	81	1	0.818	12.653	0.035	0.544	0.032	0.500
24	23	20%	22%	0%	8%	5%	1%	3%	15%	7%	6%	3%	2%	2%	0%	5%	1%	100	130	LD	25	50	23	81	1	0.807	10.491	0.034	0.438	0.031	0.403
25	0	44%	17%	0%	11%	6%	1%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	101	130	LD	25	50	23	82	1	0.684	8.983	0.026	0.347	0.024	0.319
25	1	46%	16%	0%	10%	6%	2%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	63	130	LD	25	50	22	82	1	0.675	5.526	0.025	0.208	0.023	0.191
25	2	44%	15%	0%	10%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	39	130	LD	25	50	22	83	1	0.721	3.654	0.028	0.142	0.026	0.131
25	3	45%	13%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	38	130	LD	25	50	22	83	1	0.726	3.584	0.028	0.140	0.026	0.129
25	4	46%	14%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	37	130	LD	25	50	22	83	1	0.616	2.962	0.028	0.133	0.025	0.122
25	5	45%	13%	0%	13%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	38	130	LD	25	50	22	83	1	0.609	3.008	0.027	0.135	0.025	0.124
25	6	43%	12%	0%	13%	7%	3%	8%	0%	3%	3%	2%	2%	2%	0%	3%	3%	119	130	LD	25	50	22	83	1	0.678	10.483	0.028	0.432	0.026	0.397
25	7	45%	11%	1%	16%	9%	1%	3%	0%	3%	2%	2%	1%	1%	0%	2%	2%	216	130	LD	25	50	22	82	1	0.555	15.582	0.024	0.668	0.022	0.614
25	8	43%	11%	1%	18%	11%	1%	3%	0%	3%	3%	2%	1%	1%	0%	1%	3%	272	130	LD	24	50	23	79	1	0.523	18.478	0.023	0.803	0.021	0.739
25	9	43%	12%	1%	16%	10%	1%	3%	0%	3%	3%	2%	1%	1%	0%	2%	3%	238	130	LD	24	50	23	77	1	0.571	17.667	0.024	0.737	0.022	0.678
25	10	44%	13%	1%	14%	9%	1%	3%	0%	3%	2%	2%	2%	2%	0%	3%	3%	218	130	LD	25	50	24	74	1	0.601	17.022	0.025	0.715	0.023	0.657
25	11	42%	14%	1%	13%	8%	1%	2%	0%	2%	2%	2%	2%	2%	1%	4%	4%	209	130	LD	25	50	25	72	1	0.663	18.011	0.026	0.703	0.024	0.646
25	12	42%	15%	1%	11%	7%	1%	3%	0%	2%	2%	3%	2%	2%	0%	5%	4%	229	130	LD	24	50	25	71	1	0.733	21.826	0.028	0.835	0.026	0.768
25	13	40%	15%	1%	12%	7%	1%	3%	0%	2%	2%	3%	2%	3%	0%	5%	3%	244	130	LD	24	50	25	71	1	0.786	24.920	0.029	0.928	0.027	0.854
25	14	40%	16%	1%	11%	7%	1%	3%	0%	2%	2%	3%	2%	2%	0%	6%	4%	249	130	LD	24	50	25	71	1	0.815	26.367	0.030	0.965	0.027	0.888
25	15	39%	17%	0%	10%	6%	1%	4%	0%	2%	1%	4%	3%	3%	0%	7%	4%	283	130	LD	24	50	25	72	1	0.867	31.886	0.032	1.162	0.029	1.069
25	16	39%	17%	0%	9%	6%	1%	2%	0%	2%	1%	4%	3%	3%	0%	7%	5%	288	130	LD	24	50	24	74	1	0.879	32.909	0.032	1.191	0.029	1.095
25	17	38%	18%	0%	9%	5%	1%	3%	0%	2%	1%	4%	3%	3%	1%	8%	6%	324	130	LD	24	50	24	76	1	0.922	38.837	0.033	1.396	0.030	1.283
25	18	39%	18%	0%	8%	5%	1%	3%	0%	1%	1%	4%	3%	3%	0%	8%	5%	281	130	LD	24	50	23	77	1	0.910	33.250	0.032	1.167	0.029	1.073
25	19	40%	18%	0%	8%	5%	1%	3%	0%	2%	1%	4%	3%	3%	0%	8%	4%	228	130	LD	24	50	23	78	1	0.905	26.833	0.033	0.976	0.030	0.898
25	20	40%	18%	0%	10%	6%	1%	3%	0%	2%	2%	4%	3%	3%	1%	7%	3%	182	130	LD	25	50	23	79	1	0.853	20.187	0.031	0.727	0.028	0.668
25	21	40%	17%	0%	11%	6%	1%	3%	0%	2%	1%	4%	3%	3%	1%	7%	3%	155	130	LD	25	50	23	80	1	0.844	16.997	0.030	0.614	0.028	0.564
25	22	41%	17%	0%	10%	5%	1%	3%	0%	2%	2%	3%	3%	3%	1%	7%	3%	150	130	LD	25	50	23	81	1	0.822	16.036	0.030	0.584	0.028	0.536
25	23	42%	17%	0%	10%	6%	1%	2%	0%	2%	2%	3%	2%	2%	1%	6%	4%	126	130	LD	25	50	23	81	1	0.759	12.431	0.028	0.459	0.026	0.422
26	0	41%	18%	0%	11%	6%	2%	5%	0%	3%	3%	3%	2%	2%	0%	3%	3%	156	130	DD	29	50	23	82	1	0.560	11.362	0.024	0.492	0.022	0.452
26	1	41%	19%	0%	10%	6%	2%	4%	0%	3%	2%	2%	2%	2%	0%	2%	3%	90	130	DD	30	50	22	82	1	0.553	6.468	0.024	0.281	0.022	0.258
26	2	40%	20%	0%	8%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	5%	60	130	DD	30	50	22	83	1	0.525	4.098	0.023	0.182	0.021	0.167
26	3	41%	20%	0%	9%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	3%	59	130	DD	30	50	22	83	1	0.526	4.031	0.024	0.180	0.022	0.166
26	4	40%	21%	0%	9%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	3%	58	130	DD	30	50	22	83	1	0.530	3.999	0.024	0.178	0.022	0.163
26	5	38%	20%	0%	8%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	7%	60	130	DD	30	50	22	83	1	0.532	4.152	0.023	0.182	0.021	0.167
26	6	38%	20%	0%	9%	5%	2%	6%	0%	4%	3%	3%	3%	3%	0%	2%	3%	184	130	DD	29	50	22	83	1	0.603	14.436	0.028	0.675	0.026	0.620
26	7	37%	19%	0%	8%	5%	2%	6%	0%	4%	3%	4%	3%	3%	0%	2%	3%	348	130	DD	27	50	22	82	1	0.649	29.345	0.031	1.383	0.028	1.272
26	8	35%	19%	0%	9%	5%	2%	6%	0%	4%	4%	4%	3%	3%	0%	2%	4%	452	130	DD	25	50	23	79	1	0.667	39.216	0.031	1.844	0.029	1.694
26	9	37%	19%	0%	9%	5%	2%	6%	0%	4%	3%	4%	3%	3%	0%	2%	4%	383	130	DD	26	50	23	77	1	0.655	32.595	0.030	1.489	0.027	1.369
26	10	37%	19%	0%	10%	6%	2%	6%	0%	4%	3%	3%	2%	2%	0%	2%	4%	355	130	DD	27	50	24	74	1	0.629	29.025	0.028	1.302	0.026	1.197
26	11	38%	18%	0%	11%	6%	2%	5%	0%	4%	3%	3%	2%	2%	0%	2%	4%	320	130	DD	27	50	25	72	1	0.602	25.062	0.026	1.102	0.024	1.013
26	12	38%	17%	0%	11%	6%	2%	6%	0%	3%	3%	3%	2%	2%	0%	2%	4%	358	130	DD	27	50	25	71	1	0.633	29.438	0.027	1.236	0.024	1.137
26	13	41%	18%	0%	10%	6%	2%	5%	0%	3%	3%	2%	1%	1%	0%	3%	4%	346	130	DD	27	50	25	71	1	0.611	27.482	0.024	1.082	0.022	0.995
26	14	40%	17%	0%	11%	7%	2%	5%	0%	3%	2%	2%	1%	1%	0%	3%	4%	352	130	DD	27	50	25	71	1	0.617	28.246	0.024	1.083	0.022	0.996
26	15	41%	17%	0%	12%	7%	1%	4%	0%	3%	2%	2%	1%	1%	0%	3%	4%	385	130	DD	26	50	25	72	1	0.596	29.806	0.022	1.102	0.020	1.013
26	16	43%	16%	0%	13%	8%	1%	4%	0%	3%	2%	1%	1%	1%	0%	3%	4%	378	130	DD	27	50	24	74	1	0.584	28.673	0.021	1.008	0.019	0.926
26	17	45%	17%	0%	12%	7%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	399	130	DD	26	50	24	76	1	0.589	30.539	0.020	1.017	0.018	0.935
26	18	44%	17%	0%	12%	7%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	367	130	DD	27	50	23	77	1	0.579	27.622	0.020	0.957	0.018	0.880
26	19	43%	17%	0%	11%	7%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	305	130	DD	27	50	23	78	1	0.594	23.541	0.021	0.833	0.019	0.766
26	20	42%	17%	0%	12%	7%	2%	4%	0%	2%	2%	2%	1%	1%	0%	3%	3%	249	130	DD	28	50	23	79	1	0.591	19.136	0.022	0.715	0.020	0.657
26	21	41%	17%	1%	12%	7%	2%	5%	0%	3%	2%	2%	1%	1%	0%	3%	3%	226	130	DD	28	50	23	80	1	0.578	16.988	0.023	0.677	0.021	0.622
26	22	43%	18%	1%	10%	6%	2%	5%	0%	3%	2%	2%	1%	1%	0%	3%	3%	212	130	DD	28	50	23	81	1	0.570	15.699	0.023	0.629	0.021	0.578
26	23	42%	18%	0%	10%	6%	2%	4%	0%	3%	3%	2%	2%	2%	0%	3%	3%	181	130	DD	29	50	23	81	1	0.559	13.150	0.023	0.545	0.021	0.501
27	0	21%	23%	0%	8%	6%	0%	0%	13%	6%	6%	2%	2%	2%	0%	8%	2%	48	130	LD	25	50	23	82	1	0.883	5.508	0.031	0.196	0.029	0.180
27	1	17%	21%	0%	10%	7%	0%	0%	14%	7%	7%	3%	3%	3%	0%	7%	0%	29	130	LD	25	50	22	82	1	0.931	3.510	0.038	0.144	0.035	0.132
27	2	24%	24%	0%	12%	6%	0%	0%	12%	6%	6%	6%	0%	0%	0%	6%	0%	17	130	LD	25	50	22	83	1	0.713	1.575	0.027	0.059	0.025	0.055
27	3	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.730	1.424	0.022	0.042	0.020	0.039
27	4	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.730	1.424	0.022	0.042	0.020	0.039
27	5	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.730	1.424	0.022	0.042	0.020	0.039
27	6	19%	27%	0%	8%	6%	0%	0%	14%	8%	6%	2%	2%	2%	0%	6%	2%	52	130	LD	25	50	22	83	1	0.775	5.241	0.029	0.195	0.026	0.179
27	7	17%	27%	0%	8%	5%	0%	1%	14%	8%	6%	2%	2%	2%	0%	5%	2%	98	130	LD	25	50	22	82	1	0.775	9.872	0.030	0.383	0.028	0.352
27	8	16%	27%	0%	9%	5%	0%	1%	15%	9%	7%	2%	2%	2%	0%	5%	2%	124	130	LD	24	50	23	79	1	0.754	12.156	0.029	0.474	0.027	0.436
27	9	17%	26%	0%	9%	5%	0%	1%	15%	7%	6%	3%	2%	2%	0%	6%	2%	110	130	LD	24	50	23	77	1	0.804	11.498	0.031	0.442	0.028	0.407
27	10	18%	25%	0%	8%	5%	0%	1%	14%	8%	6%	3%	2%	2%	0%	6%	1%	99	130	LD	24	50	24	74	1	0.835	10.741	0.032	0.415	0.030	0.382
27	11	19%	24%	0%	9%	5%	0%	1%	14%	8%	7%	2%	2%	2%	0%	7%	1%	93	130	LD	25	50	25	72	1	0.831	10.051	0.032	0.389	0.030	0.358
27	12	20%	23%	0%	10%	5%	0%	1%	13%	7%	6%	3%	2%	2%	1%	8%	1%	105	130	LD	24	50	25	71	1	0.935	12.767	0.033	0.449	0.030	0.414
27	13	20%	21%	0%	10%	6%	0%	1%	13%	6%	6%	3%	2%	2%	1%	9%	1%	109	130	LD	24	50	25	71	1	0.999	14.153	0.033	0.473	0.031	0.435
27	14	21%	21%	0%	10%	6%	0%	1%	13%	6%	6%	3%	2%	2%	1%	9%	1%	110	130	LD	24	50	25	71	1	0.991	14.169	0.033	0.474	0.031	0.436
27	15	23%	20%	0%	10%	6%	0%	1%	13%	7%	5%	2%	2%	2%	1%	10%	1%	123	130	LD	24	50	25	72	1	0.993	15.873	0.032	0.518	0.030	0.477
27	16	23%	18%	0%	10%	6%	0%	1%	13%	6%	5%	2%	2%	2%	1%	10%	1%	127	130	LD	24	50	24	74	1	1.056	17.437	0.035	0.584	0.033	0.538
27	17	23%	17%	0%	10%	6%	1%	1%	12%	6%	5%	3%	2%	2%	1%	11%	1%	141	130	LD	24	50	24	76	1	1.069	19.593	0.036	0.655	0.033	0.603
27	18	23%	18%	0%	10%	5%	0%	1%	12%	6%	5%	3%	2%	2%	1%	10%	1%	129	130	LD	24	50	23	77	1	1.058	17.736	0.036	0.599	0.033	0.551
27	19	22%	19%	0%	11%	6%	0%	1%	12%	6%	5%	3%	2%	2%	1%	11%	1%	105	130	LD	24	50	23	78	1	1.076	14.694	0.035	0.473	0.032	0.435
27	20	22%	19%	0%	10%	5%	0%	1%	13%	6%	5%	2%	2%	2%	1%	10%	1%	83	130	LD	25	50	23	79	1	1.031	11.126	0.035	0.377	0.032	0.347
27	21	23%	20%	0%	9%	6%	0%	1%	14%	7%	6%	3%	1%	1%	0%	9%	1%	71	130	LD	25	50	23	80	1	0.887	8.186	0.031	0.291	0.029	0.267
27	22	21%	21%	0%	9%	6%	0%	1%	14%	7%	6%	3%	1%	1%	0%	9%	1%	71	130	LD	25	50	23	81	1	0.889	8.201	0.031	0.290	0.029	0.267
27	23	22%	22%	0%	9%	5%	0%	2%	12%	7%	5%	3%	2%	2%	0%	9%	2%	59	130	LD	25	50	23	81	1	0.897	6.883	0.032	0.246	0.029	0.226
28	0	30%	22%	0%	11%	5%	3%	3%	0%	3%	3%	3%	3%	3%	0%	11%	3%	37	60	LD	25	50	23	82	1	1.023	2.270	0.032	0.072	0.030	0.066
28	1	45%	20%	0%	10%	5%	0%	5%	0%	0%	0%	5%	0%	0%	0%	10%	0%	20	60	LD	25	50	22	82	1	0.855	1.026	0.024	0.029	0.022	0.027

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
28	2	33%	25%	0%	17%	8%	0%	8%	0%	0%	0%	0%	0%	0%	0%	8%	0%	12	60	LD	25	50	22	83	1	0.881	0.634	0.022	0.016	0.020	0.014
28	3	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.020	0.612	0.026	0.015	0.024	0.014
28	4	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.020	0.612	0.026	0.015	0.024	0.014
28	5	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	1.020	0.612	0.026	0.015	0.024	0.014
28	6	23%	9%	0%	13%	8%	7%	18%	0%	2%	2%	2%	2%	2%	0%	7%	2%	43	60	LD	25	50	22	83	1	1.244	3.209	0.045	0.116	0.041	0.106
28	7	34%	7%	0%	22%	13%	2%	6%	0%	2%	2%	2%	2%	2%	0%	6%	3%	68	60	LD	25	50	22	82	1	0.873	3.562	0.031	0.125	0.028	0.115
28	8	27%	5%	0%	29%	17%	1%	5%	0%	2%	1%	1%	1%	1%	0%	6%	5%	89	60	LD	25	50	23	79	1	0.862	4.600	0.030	0.159	0.027	0.146
28	9	29%	9%	0%	24%	13%	1%	4%	0%	3%	1%	1%	1%	1%	0%	7%	5%	77	60	LD	25	50	23	77	1	0.869	4.016	0.029	0.133	0.026	0.122
28	10	28%	15%	0%	19%	10%	1%	4%	0%	1%	1%	3%	1%	1%	0%	8%	5%	74	60	LD	25	50	24	74	1	0.929	4.123	0.030	0.132	0.027	0.122
28	11	27%	18%	0%	18%	11%	1%	4%	0%	1%	1%	3%	1%	1%	0%	8%	5%	74	60	LD	25	50	25	72	1	0.926	4.112	0.029	0.131	0.027	0.120
28	12	28%	21%	0%	15%	7%	1%	4%	0%	1%	1%	2%	2%	2%	1%	9%	5%	82	60	LD	25	50	25	71	1	1.002	4.931	0.031	0.153	0.029	0.141
28	13	25%	21%	0%	18%	9%	2%	5%	0%	1%	1%	2%	2%	2%	1%	8%	3%	96	60	LD	25	50	25	71	1	1.022	5.886	0.032	0.182	0.029	0.167
28	14	25%	23%	0%	15%	9%	2%	4%	0%	1%	1%	3%	2%	2%	1%	10%	4%	102	60	LD	25	50	25	71	1	1.077	6.589	0.032	0.195	0.029	0.180
28	15	25%	24%	0%	12%	7%	2%	7%	0%	2%	1%	3%	2%	2%	1%	10%	3%	119	60	LD	24	50	25	72	1	1.110	7.927	0.032	0.226	0.029	0.208
28	16	25%	27%	0%	13%	7%	1%	3%	0%	2%	1%	3%	2%	2%	1%	11%	3%	124	60	LD	24	50	24	74	1	1.099	8.174	0.032	0.237	0.029	0.218
28	17	24%	28%	0%	12%	7%	1%	3%	0%	1%	1%	3%	2%	2%	1%	11%	5%	140	60	LD	24	50	24	76	1	1.074	9.021	0.030	0.252	0.028	0.232
28	18	25%	29%	0%	10%	5%	1%	3%	0%	2%	1%	3%	3%	3%	1%	11%	3%	118	60	LD	24	50	23	77	1	1.121	7.936	0.032	0.226	0.029	0.207
28	19	25%	29%	0%	11%	6%	1%	3%	0%	1%	1%	3%	2%	2%	1%	12%	2%	91	60	LD	25	50	23	78	1	1.144	6.247	0.031	0.171	0.029	0.157
28	20	25%	28%	0%	12%	7%	1%	3%	0%	1%	1%	3%	3%	3%	1%	10%	1%	71	60	LD	25	50	23	79	1	1.084	4.619	0.032	0.137	0.029	0.126
28	21	26%	26%	0%	13%	8%	2%	3%	0%	2%	2%	3%	2%	2%	0%	10%	2%	61	60	LD	25	50	23	80	1	0.981	3.591	0.029	0.106	0.027	0.098
28	22	27%	27%	0%	11%	7%	2%	4%	0%	2%	2%	4%	2%	2%	0%	11%	2%	56	60	LD	25	50	23	81	1	1.021	3.432	0.030	0.102	0.028	0.094
28	23	27%	25%	0%	10%	6%	2%	4%	0%	2%	2%	2%	2%	2%	0%	10%	4%	48	60	LD	25	50	23	81	1	1.018	2.933	0.030	0.086	0.028	0.079
29	0	35%	17%	0%	13%	7%	2%	7%	0%	2%	2%	4%	2%	2%	0%	4%	2%	46	60	LD	25	50	23	82	1	0.791	2.182	0.032	0.089	0.030	0.082
29	1	31%	19%	0%	10%	5%	4%	8%	0%	4%	4%	4%	4%	4%	0%	4%	0%	26	60	LD	25	50	22	82	1	0.891	1.389	0.038	0.060	0.035	0.055
29	2	31%	19%	0%	6%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	60	LD	25	50	22	83	1	1.071	1.028	0.047	0.045	0.044	0.042
29	3	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	1.109	0.998	0.050	0.045	0.046	0.041
29	4	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	1.109	0.998	0.050	0.045	0.046	0.041
29	5	28%	17%	0%	6%	6%	6%	6%	0%	0%	0%	6%	6%	6%	0%	6%	11%	18	60	LD	25	50	22	83	1	1.056	1.140	0.046	0.049	0.042	0.045
29	6	36%	16%	0%	8%	4%	4%	8%	0%	2%	2%	6%	4%	4%	0%	4%	2%	50	60	LD	25	50	22	83	1	0.898	2.695	0.041	0.123	0.038	0.113
29	7	37%	15%	0%	6%	4%	4%	9%	0%	2%	2%	6%	4%	4%	0%	3%	2%	94	60	LD	25	50	22	82	1	0.899	5.071	0.043	0.241	0.039	0.222
29	8	34%	13%	0%	10%	6%	3%	9%	0%	2%	2%	6%	4%	4%	0%	2%	4%	127	60	LD	24	50	23	79	1	0.885	6.742	0.042	0.317	0.038	0.292
29	9	35%	15%	0%	9%	6%	3%	9%	0%	3%	2%	6%	4%	4%	0%	3%	3%	107	60	LD	24	50	23	77	1	0.886	5.686	0.041	0.261	0.037	0.240
29	10	32%	15%	0%	11%	7%	3%	9%	0%	2%	2%	5%	4%	4%	0%	3%	3%	105	60	LD	25	50	24	74	1	0.881	5.552	0.040	0.253	0.037	0.233
29	11	33%	16%	0%	13%	7%	2%	7%	0%	2%	2%	4%	3%	3%	0%	3%	3%	94	60	LD	25	50	25	72	1	0.817	4.609	0.036	0.204	0.033	0.188
29	12	29%	16%	0%	12%	8%	4%	11%	0%	3%	2%	4%	3%	3%	0%	4%	3%	114	60	LD	25	50	25	71	1	0.910	6.226	0.038	0.261	0.035	0.240
29	13	32%	19%	0%	11%	7%	3%	7%	0%	3%	2%	4%	3%	3%	0%	5%	2%	102	60	LD	25	50	25	71	1	0.872	5.337	0.035	0.214	0.032	0.197
29	14	28%	18%	0%	15%	8%	3%	8%	0%	3%	2%	4%	3%	3%	0%	5%	2%	109	60	LD	25	50	25	71	1	0.886	5.794	0.036	0.232	0.033	0.214
29	15	27%	18%	0%	17%	10%	2%	5%	0%	2%	2%	3%	2%	2%	0%	5%	3%	125	60	LD	24	50	25	72	1	0.869	6.516	0.033	0.248	0.030	0.228
29	16	27%	20%	0%	17%	9%	2%	5%	0%	2%	2%	3%	2%	2%	0%	6%	2%	123	60	LD	24	50	24	74	1	0.906	6.685	0.033	0.244	0.030	0.224
29	17	29%	24%	0%	14%	8%	2%	4%	0%	2%	2%	2%	2%	2%	1%	7%	2%	123	60	LD	24	50	24	76	1	0.913	6.736	0.029	0.214	0.027	0.197
29	18	29%	23%	0%	13%	7%	2%	5%	0%	3%	3%	3%	2%	2%	0%	6%	3%	109	60	LD	24	50	23	77	1	0.874	5.716	0.029	0.190	0.027	0.175
29	19	29%	22%	0%	13%	6%	2%	6%	0%	3%	2%	3%	2%	2%	0%	7%	2%	90	60	LD	25	50	23	78	1	0.899	4.854	0.031	0.170	0.029	0.156
29	20	28%	21%	0%	15%	9%	1%	5%	0%	3%	3%	4%	3%	3%	0%	5%	1%	76	60	LD	25	50	23	79	1	0.870	3.968	0.033	0.152	0.031	0.140
29	21	28%	19%	0%	15%	8%	2%	8%	0%	3%	1%	3%	3%	3%	0%	5%	1%	75	60	LD	25	50	23	80	1	0.925	4.164	0.035	0.158	0.032	0.145
29	22	31%	21%	0%	10%	5%	3%	9%	0%	3%	2%	3%	3%	3%	0%	5%	2%	61	60	LD	25	50	23	81	1	0.901	3.298	0.036	0.132	0.033	0.121
29	23	32%	21%	0%	11%	6%	2%	6%	0%	2%	2%	4%	4%	4%	0%	6%	2%	53	60	LD	25	50	23	81	1	0.910	2.894	0.037	0.117	0.034	0.107
30	0	22%	26%	0%	13%	9%	0%	4%	0%	4%	0%	4%	4%	4%	0%	4%	4%	23	80	LD	25	50	23	82	1	0.871	1.603	0.037	0.067	0.034	0.062
30	1	43%	21%	0%	14%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	7%	14	80	LD	25	50	22	82	1	0.626	0.701	0.014	0.016	0.013	0.015
30	2	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	1.054	0.590	0.020	0.011	0.018	0.010
30	3	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	1.054	0.590	0.020	0.011	0.018	0.010
30	4	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	1.165	0.559	0.023	0.011	0.021	0.010
30	5	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	1.165	0.559	0.023	0.011	0.021	0.010
30	6	17%	10%	0%	16%	8%	7%	20%	0%	0%	0%	3%	3%	3%	0%	7%	3%	29	80	LD	25	50	22	83	1	1.364	3.165	0.051	0.119	0.047	0.110
30	7	27%	6%	0%	29%	17%	1%	4%	0%	0%	0%	2%	2%	2%	0%	6%	4%	48	80	LD	25	50	22	82	1	0.932	3.581	0.033	0.128	0.031	0.118
30	8	21%	3%	1%	37%	20%	0%	2%	0%	0%	0%	3%	2%	2%	0%	6%	6%	68	80	LD	25	50	23	79	1	0.906	4.927	0.033	0.179	0.030	0.165
30	9	21%	9%	0%	30%	18%	0%	2%	0%	0%	0%	4%	2%	2%	0%	5%	7%	56	80	LD	25	50	23	77	1	0.885	3.966	0.032	0.146	0.030	0.134
30	10	24%	14%	0%	23%	13%	0%	2%	0%	2%	0%	4%	2%	2%	0%	6%	8%	50	80	LD	25	50	24	74	1	0.856	3.423	0.031	0.125	0.029	0.114
30	11	23%	19%	0%	21%	11%	0%	2%	0%	2%	2%	2%	2%	2%	0%	6%	8%	52	80	LD	25	50	25	72	1	0.809	3.367	0.027	0.114	0.025	0.105
30	12	26%	24%	0%	15%	9%	0%	2%	0%	2%	2%	4%	2%	2%	0%	6%	7%	54	80	LD	25	50	25	71	1	0.785	3.389	0.027	0.118	0.025	0.108
30	13	20%	25%	0%	20%	12%	1%	4%	0%	2%	2%	3%	2%	2%	0%	5%	5%	65	80	LD	25	50	25	71	1	0.813	4.228	0.028	0.146	0.026	0.135
30	14	21%	27%	0%	16%	9%	2%	5%	0%	3%	2%	3%	2%	2%	0%	4%	6%	68	80	LD	25	50	25	71	1	0.801	4.359	0.028	0.151	0.025	0.139
30	15	21%	28%	0%	12%	8%	3%	7%	0%	2%	2%	2%	2%	2%	0%	5%	6%	83	80	LD	25	50	25	72	1	0.882	5.854	0.031	0.208	0.029	0.191
30	16	22%	32%	0%	12%	6%	1%	3%	0%	3%	3%	3%	3%	3%	0%	5%	6%	81	80	LD	25	50	24	74	1	0.785	5.086	0.027	0.175	0.025	0.161
30	17	20%	34%	0%	10%	7%	1%	2%	0%	3%	2%	3%	2%	2%	0%	4%	9%	94	80	LD	25	50	24	76	1	0.735	5.528	0.025	0.190	0.023	0.175
30	18	21%	37%	0%	8%	4%	1%	3%	0%	3%	3%	3%	3%	3%	0%	5%	7%	75	80	LD	25	50	23	77	1	0.803	4.816	0.027	0.160	0.024	0.147
30	19	22%	36%	0%	9%	5%	2%	3%	0%	3%	3%	3%	2%	2%	0%	5%	3%	58	80	LD	25	50	23	78	1	0.777	3.603	0.025	0.117	0.023	0.108
30	20	23%	36%	0%	12%	6%	0%	2%	0%	2%	2%	2%	2%	2%	0%	5%	5%	44	80	LD	25	50	23	79	1	0.736	2.590	0.025	0.086	0.023	0.079
30	21	20%	33%	0%	15%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	5%	40	80	LD	25	50	23	80	1	0.794	2.541	0.027	0.087	0.025	0.080
30	22	23%	34%	0%	11%	6%	0%	3%	0%	3%	3%	3%	3%	3%	0%	6%	3%	35	80	LD	25	50	23	81	1	0.820	2.295	0.029	0.080	0.026	0.074
30	23	19%	32%	0%	10%	7%	0%	3%	0%	3%	3%	3%	3%	3%	0%	7%	7%	31	80	LD	25	50	23	81	1	0.895	2.219	0.031	0.077	0.029	0.071
31	0	23%	18%	0%	22%	14%	0%	5%	0%	5%	5%	0%	0%	0%	0%	9%	0%	22	80	LD	25	50	23	82	1	0.926	1.629	0.024	0.042	0.022	0.039
31	1	22%	22%	0%	29%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	9	80	LD	25	50	22	82	1	0.963	0.693	0.021	0.015	0.020	0.014
31	2	17%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	17%	6	80	LD	25	50	22	83	1	1.237	0.594	0.024	0.011	0.022	0.010
31	3	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.392	0.557	0.027	0.011	0.024	0.010
31	4	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	1.392	0.557	0.027	0.011	0.024	0.010
31	5	14%	14%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	29%	7	80	LD	25	50	22	83	1	1.123	0.629	0.022	0.012	0.020	0.011
31	6	15%	23%	0%	23%	15%	0%	8%	0%	0%	0%	0%	0%	0%	0%	15%	0%	13	80	LD	25	50	22	83	1	1.318	1.371	0.029	0.030	0.027	0.028
31	7	20%	20%	0%	13%	10%	1%	6%	0%	3%	3%	3%	3%	3%	0%	10%	3%	30	80	LD	25	50	22	82	1	1.158	2.779	0.039	0.093	0.035	0.085
31	8	14%	14%	0%	23%	14%	2%	5%	0%	2%	0%	2%	2%	2%	0%	9%	9%	43	80	LD	25	50	23	79	1	1.121	3.855	0.036	0.123	0.033	0.113
31	9	16%	16%	0%	22%	13%	0%	3%	0%	3%	3%	3%	3%	3%	0%	11%	5%	37	80	LD	25	50	23	77	1	1.144	3.386	0.036	0.106	0.033	0.098
31	10	16%	16%	0%	23%	14%	1%	6%	0%	2%	2%	2%	2%	2%	0%	9%	5%	44	80	LD	25	50	24	74	1	1.113	3.919	0.036	0.127	0.033	0.117
31	11	17%	17%	0%	24%	14%	0%	2%	0%	2%	2%	2%	2%	2%	0%	10%	5%	42	80	LD	25	50	25	72	1	1.056	3.548	0.034	0.114	0.031	0.105
31	12	14%	14%	0%	21%	13%	4%	12%	0%	3%	2%	2%	2%	2%	0%	9%	3%	58	80	LD	25	50	25	71	1	1.195	5.544	0.039	0.180	0.036	0.165
31	13	16%	20%	0%	20%	11%	1%	5%	0%	4%	4%	2%	2%	2%	0%	12%	2%	51	80	LD	25	50	25	71	1	1.174	4.788	0.035	0.141	0.032	0.130
31	14	14%	19%	0%	23%	13%	1%	6%	0%	3%	3%	2%	2%	2%	0%	10%	2%	58	80	LD	25	50	25	71	1	1.130	5.243	0.034	0.157	0.031	0.144
31	15	13%	17%	0%	27%	15%	2%	2%	0%	4%	3%	1%	1%	1%	1%	9%	3%	75	80	LD	25	50	25	72	1	1.081	6.488	0.031	0.184	0.028	0.169
31	16	15%	19%	0%	26%	14%	1%	1%	0%	4%	3%	1%	1%	1%	1%	11%	1%	75	80	LD	25	50	24	74	1	1.120	6.722	0.030	0.180	0.028	0.166
31	17	17%	21%	0%	19%	11%	1%	3%	0%	4%	4%	1%	1%	1%	1%	13%	1%	76	80	LD	25	50	24	76	1	1.206	7.334	0.031	0.186	0.028	0.171
31	18	15%	22%	0%	19%	12%	2%	2%	0%	5%	5%	2%	2%	2%	2%	12%	2%	65	80	LD	25	50	23	77	1	1.198	6.227	0.031	0.160	0.028	0.147
31	19	15%	26%	0%	18%	10%	0%	2%	0%	4%	4%	2%	2%	2%	0%	13%	0%	46	80	LD	25	50	23	78	1	1.174	4.321	0.033	0.120	0.030	0.110
31	20	14%	19%	0%	25%	13%	0%	2%	0%	5%	2%	2%	2%	2%	0%	12%	0%	42	80	LD	25	50	23	79	1	1.165	3.916	0.035	0.118	0.032	0.109
31	21	17%	17%	0%	25%	15%	2%	8%	0%	2%	2%	2%	0%	0%	0%	10%	0%	42	80	LD	25	50	23	80	1	1.082	3.634	0.031	0.104	0.028	0.096
31	22	17%	21%	0%	17%	10%	2%	9%	0%	3%	3%	3%	0%	0%	0%	14%	0%	29	80	LD	25	50	23	81	1	1.236	2.866	0.032	0.075	0.030	0.069
31	23	17%	22%	0%	20%	10%	0%	4%	0%	4%	4%	4%	0%	0%	0%	13%	0%	23	80	LD	25	50	23	81	1	1.112	2.047	0.030	0.054	0.027	0.050
32	0	22%	22%	0%	6%	6%	0%	6%	0%	6%	6%	11%	6%	6%	0%	0%	6%	18	220	LD	25	50	23	82	1	0.798	3.161	0.048	0.189	0.044	0.174
32	1	17%	17%	0%	8%	0%	0%	8%	0%	8%	8%	8%	8%	8%	0%	0%	8%	12	220	LD	25	50	22	82	1	0.943	2.491	0.056	0.149	0.052	0.136
32	2	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	1.324	2.038	0.086	0.132	0.079	0.122
32	3	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	1.324	2.038	0.086	0.132	0.079	0.122
32	4	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	1.324	2.038	0.086	0.132	0.079	0.122
32	5	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	1.324	2.038	0.086	0.132	0.079	0.122
32	6	13%	17%	0%	4%	4%	4%	8%	0%	8%	8%	13%	8%	8%	0%	0%	4%	24	220	LD	25	50	22	83	1	1.060	5.599	0.064	0.337	0.059	0.310
32	7	12%	19%	0%	7%	5%	2%	9%	0%	7%	7%	12%	9%	9%	0%	0%	2%	43	220	LD	25	50	22	82	1	1.111	10.513	0.066	0.626	0.061	0.576
32	8	11%	20%	0%	5%	4%	4%	9%	0%	9%	7%	13%	9%	9%	0%	0%	2%	56	220	LD	25	50	23	79	1	1.083	13.347	0.066	0.808	0.060	0.743
32	9	13%	17%	0%	7%	4%	4%	9%	0%	9%	7%	11%	9%	9%	0%	0%	2%	46	220	LD	25	50	23	77	1	1.071	10.838	0.063	0.642	0.058	0.591
32	10	15%	20%	0%	5%	3%	3%	10%	0%	8%	8%	13%	8%	8%	0%	0%	3%	40	220	LD	25	50	24	74	1	1.011	8.897	0.061	0.533	0.056	0.490
32	11	16%	19%	0%	5%	3%	3%	8%	0%	8%	5%	11%	8%	8%	0%	0%	5%	37	220	LD	25	50	25	72	1	0.971	7.904	0.059	0.480	0.054	0.441
32	12	20%	20%	0%	5%	3%	3%	8%	0%	8%	5%	10%	8%	8%	0%	0%	5%	40	220	LD	25	50	25	71	1	0.914	8.039	0.055	0.483	0.050	0.444
32	13	21%	21%	0%	5%	3%	3%	8%	0%	5%	5%	10%	8%	8%	0%	0%	5%	39	220	LD	25	50	25	71	1	0.936	8.031	0.056	0.481	0.052	0.442
32	14	26%	21%	0%	5%	3%	3%	8%	0%	5%	5%	8%	5%	5%	0%	0%	8%	39	220	LD	25	50	25	71	1	0.782	6.713	0.044	0.376	0.040	0.345
32	15	26%	23%	0%	7%	2%	2%	7%	0%	5%	5%	7%	5%	5%	0%	0%	7%	43	220	LD	25	50	25	72	1	0.740	7.002	0.041	0.385	0.037	0.354
32	16	27%	25%	0%	5%	2%	2%	5%	0%	5%	5%	7%	5%	5%	0%	0%	9%	44	220	LD	25	50	24	74	1	0.680	6.580	0.037	0.360	0.034	0.330
32	17	29%	25%	0%	6%	4%	2%	4%	0%	4%	2%	6%	4%	4%	0%	0%	8%	48	220	LD	25	50	24	76	1	0.655	6.916	0.035	0.373	0.032	0.343
32	18	28%	26%	0%	5%	2%	2%	5%	0%	5%	2%	7%	5%	5%	0%	0%	9%	43	220	LD	25	50	23	77	1	0.691	6.541	0.038	0.357	0.035	0.327
32	19	27%	22%	0%	5%	3%	3%	5%	0%	5%	3%	8%	5%	5%	0%	0%	8%	37	220	LD	25	50	23	78	1	0.751	6.114	0.043	0.349	0.039	0.320
32	20	24%	21%	0%	7%	3%	3%	7%	0%	3%	3%	7%	7%	7%	0%	0%	7%	29	220	LD	25	50	23	79	1	0.868	5.536	0.049	0.312	0.045	0.287
32	21	24%	20%	0%	4%	4%	4%	8%	0%	4%	4%	8%	4%	8%	0%	0%	8%	25	220	LD	25	50	23	80	1	0.882	4.852	0.047	0.257	0.043	0.236
32	22	23%	19%	0%	4%	4%	4%	8%	0%	4%	4%	8%	8%	8%	0%	0%	8%	26	220	LD	25	50	23	81	1	0.927	5.300	0.053	0.306	0.049	0.281
32	23	23%	23%	0%	5%	5%	5%	9%	0%	5%	5%	9%	5%	5%	0%	0%	5%	22	220	LD	25	50	23	81	1	0.834	4.035	0.045	0.220	0.042	0.202
33	0	8%	0%	0%	17%	8%	0%	0%	0%	0%	0%	8%	8%	8%	0%	42%	0%	12	220	LD	25	50	23	82	1	2.689	7.100	0.076	0.201	0.070	0.185
33	1	14%	0%	0%	14%	14%	0%	0%	0%	0%	0%	14%	0%	0%	0%	43%	0%	7	220	LD	25	50	22	82	1	2.487	3.830	0.056	0.086	0.051	0.079
33	2	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	3	220	LD	25	50	22	83	1	3.374	2.227	0.052	0.034	0.047	0.031
33	3	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	2	220	LD	25	50	22	83	1	2.653	1.167	0.045	0.020	0.041	0.018
33	4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	4.812	1.059	0.065	0.014	0.060	0.013
33	5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	4.812	1.059	0.065	0.014	0.060	0.013
33	6	11%	0%	0%	11%	11%	0%	0%	0%	0%	0%	11%	11%	11%	0%	33%	0%	9	220	LD	25	50	22	83	1	2.512	4.973	0.084	0.167	0.078	0.154
33	7	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	13%	7%	7%	0%	33%	0%	15	220	LD	25	50	22	82	1	2.423	7.997	0.076	0.250	0.070	0.230
33	8	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	14%	10%	10%	0%	24%	0%	21	220	LD	25	50	23	79	1	2.109	9.746	0.081	0.375	0.075	0.345
33	9	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	10%	10%	10%	0%	29%	0%	21	220	LD	25	50	23	77	1	2.301	10.629	0.078	0.361	0.072	0.332
33	10	11%	0%	0%	16%	11%	0%	5%	0%	0%	0%	11%	5%	5%	0%	37%	0%	19	220	LD	25	50	24	74	1	2.496	10.433	0.070	0.292	0.064	0.269
33	11	10%	0%	0%	15%	10%	0%	5%	0%	0%	0%	10%	5%	5%	5%	35%	0%	20	220	LD	25	50	25	72	1	2.611	11.491	0.069	0.304	0.064	0.280

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
33	12	12%	0%	0%	12%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	44%	0%	25	220	LD	25	50	25	71	1	2.861	15.735	0.066	0.363	0.061	0.334
33	13	12%	0%	0%	12%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	46%	0%	26	220	LD	25	50	25	71	1	2.931	16.763	0.066	0.376	0.060	0.346
33	14	10%	3%	0%	14%	7%	0%	3%	0%	0%	0%	7%	3%	3%	3%	45%	0%	29	220	LD	25	50	25	71	1	2.818	17.977	0.062	0.395	0.057	0.363
33	15	9%	3%	0%	12%	9%	0%	3%	0%	3%	0%	6%	3%	3%	3%	47%	0%	34	220	LD	25	50	25	72	1	2.855	21.354	0.060	0.449	0.055	0.413
33	16	11%	3%	0%	13%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	47%	0%	38	220	LD	25	50	24	74	1	2.847	23.797	0.058	0.485	0.053	0.446
33	17	9%	2%	0%	11%	7%	2%	4%	0%	2%	0%	4%	4%	4%	2%	47%	0%	45	220	LD	25	50	24	76	1	2.900	28.709	0.065	0.639	0.059	0.588
33	18	11%	3%	0%	13%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	47%	0%	38	220	LD	25	50	23	77	1	2.865	23.948	0.058	0.485	0.053	0.446
33	19	10%	3%	0%	13%	7%	0%	3%	0%	0%	0%	7%	3%	3%	3%	48%	0%	31	220	LD	25	50	23	78	1	2.975	20.289	0.062	0.425	0.057	0.391
33	20	8%	4%	0%	13%	8%	0%	4%	0%	0%	0%	4%	4%	4%	4%	46%	0%	24	220	LD	25	50	23	79	1	2.967	15.665	0.063	0.334	0.058	0.307
33	21	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	80	1	3.030	11.997	0.070	0.278	0.065	0.256
33	22	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	81	1	3.019	11.956	0.070	0.278	0.065	0.256
33	23	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	40%	0%	15	220	LD	25	50	23	81	1	2.634	8.691	0.072	0.237	0.066	0.218
34	0	29%	25%	0%	14%	9%	2%	7%	0%	3%	3%	2%	2%	2%	0%	0%	3%	59	170	LD	25	50	23	82	1	0.601	6.028	0.026	0.256	0.023	0.235
34	1	29%	26%	0%	13%	8%	3%	5%	0%	3%	3%	3%	3%	3%	0%	0%	3%	38	170	LD	25	50	22	82	1	0.633	4.092	0.028	0.184	0.026	0.169
34	2	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.620	2.529	0.025	0.102	0.023	0.094
34	3	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.620	2.529	0.025	0.102	0.023	0.094
34	4	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.620	2.529	0.025	0.102	0.023	0.094
34	5	26%	26%	0%	13%	9%	4%	9%	0%	4%	4%	4%	0%	0%	0%	0%	0%	23	170	LD	25	50	22	83	1	0.626	2.446	0.025	0.100	0.023	0.092
34	6	24%	27%	0%	16%	8%	3%	7%	1%	4%	3%	3%	1%	1%	0%	0%	1%	74	170	LD	25	50	22	83	1	0.631	7.939	0.027	0.337	0.025	0.310
34	7	23%	26%	1%	15%	9%	2%	8%	1%	4%	4%	3%	2%	2%	0%	0%	1%	142	170	LD	24	50	22	82	1	0.712	17.181	0.031	0.744	0.028	0.685
34	8	22%	27%	1%	16%	9%	2%	8%	1%	4%	3%	3%	2%	2%	0%	0%	1%	180	170	LD	23	50	23	79	1	0.712	21.796	0.030	0.916	0.028	0.843
34	9	23%	26%	1%	15%	9%	3%	7%	1%	4%	3%	3%	2%	2%	0%	0%	1%	153	170	LD	24	50	23	77	1	0.700	18.208	0.030	0.781	0.028	0.719
34	10	25%	27%	0%	15%	9%	2%	8%	1%	4%	3%	2%	2%	2%	0%	0%	2%	134	170	LD	24	50	24	74	1	0.655	14.916	0.027	0.617	0.025	0.568
34	11	26%	26%	0%	15%	9%	2%	7%	1%	3%	3%	2%	2%	2%	0%	0%	2%	123	170	LD	24	50	25	72	1	0.635	13.281	0.027	0.567	0.025	0.521
34	12	28%	26%	0%	14%	8%	2%	6%	1%	3%	3%	2%	2%	2%	0%	0%	3%	131	170	LD	24	50	25	71	1	0.612	13.621	0.026	0.577	0.024	0.530
34	13	29%	25%	0%	14%	8%	2%	6%	1%	3%	2%	2%	2%	2%	0%	0%	4%	131	170	LD	24	50	25	71	1	0.606	13.496	0.026	0.573	0.024	0.527
34	14	30%	25%	0%	13%	8%	2%	5%	1%	3%	2%	2%	2%	2%	0%	1%	5%	132	170	LD	24	50	25	71	1	0.615	13.794	0.025	0.566	0.023	0.520
34	15	33%	24%	0%	12%	8%	2%	5%	0%	3%	2%	2%	1%	1%	0%	1%	5%	140	170	LD	24	50	25	72	1	0.582	13.852	0.024	0.565	0.022	0.520
34	16	34%	24%	0%	12%	7%	2%	5%	0%	2%	2%	2%	2%	2%	0%	1%	6%	137	170	LD	24	50	24	74	1	0.582	13.552	0.024	0.554	0.022	0.509
34	17	36%	24%	0%	12%	7%	1%	5%	0%	2%	1%	2%	1%	1%	0%	1%	7%	148	170	LD	24	50	24	76	1	0.550	13.848	0.022	0.566	0.021	0.519
34	18	35%	24%	0%	12%	7%	2%	5%	0%	2%	2%	2%	2%	2%	0%	1%	6%	137	170	LD	24	50	23	77	1	0.581	13.539	0.024	0.550	0.022	0.505
34	19	34%	24%	0%	12%	7%	2%	5%	0%	3%	2%	2%	2%	2%	0%	1%	5%	115	170	LD	24	50	23	78	1	0.598	11.685	0.024	0.470	0.022	0.432
34	20	34%	24%	0%	13%	7%	2%	6%	0%	2%	2%	2%	1%	1%	0%	0%	6%	91	170	LD	25	50	23	79	1	0.530	8.194	0.022	0.345	0.020	0.316
34	21	32%	25%	0%	14%	7%	3%	5%	0%	3%	3%	3%	1%	1%	0%	0%	5%	81	170	LD	25	50	23	80	1	0.540	7.434	0.023	0.317	0.021	0.291
34	22	31%	25%	0%	14%	7%	3%	6%	0%	3%	3%	3%	1%	1%	0%	0%	5%	81	170	LD	25	50	23	81	1	0.567	7.810	0.024	0.332	0.022	0.304
34	23	30%	26%	0%	14%	7%	1%	6%	0%	3%	3%	3%	1%	1%	0%	0%	4%	70	170	LD	25	50	23	81	1	0.559	6.656	0.024	0.290	0.022	0.267
35	0	16%	8%	0%	11%	8%	3%	11%	13%	11%	8%	5%	3%	3%	0%	0%	3%	38	170	LD	25	50	23	82	1	0.821	5.306	0.045	0.289	0.041	0.266
35	1	12%	8%	0%	12%	8%	4%	12%	12%	12%	8%	4%	4%	4%	0%	0%	0%	25	170	LD	25	50	22	82	1	0.943	4.008	0.050	0.212	0.046	0.195
35	2	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.016	3.108	0.057	0.175	0.053	0.161
35	3	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.016	3.108	0.057	0.175	0.053	0.161
35	4	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.016	3.108	0.057	0.175	0.053	0.161
35	5	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	1.016	3.108	0.057	0.175	0.053	0.161
35	6	10%	8%	0%	8%	6%	4%	14%	14%	12%	10%	6%	4%	4%	0%	0%	2%	51	170	LD	25	50	22	83	1	0.980	8.496	0.053	0.460	0.049	0.423
35	7	10%	7%	0%	8%	5%	4%	13%	14%	13%	11%	6%	5%	5%	0%	1%	2%	104	170	LD	25	50	22	82	1	1.035	18.299	0.056	0.983	0.051	0.904
35	8	9%	8%	0%	8%	4%	4%	12%	13%	12%	10%	7%	4%	4%	0%	1%	2%	138	170	LD	25	50	23	79	1	0.998	23.402	0.055	1.286	0.050	1.182
35	9	10%	7%	0%	9%	4%	4%	12%	13%	12%	11%	6%	4%	4%	0%	1%	2%	114	170	LD	25	50	23	77	1	1.013	19.630	0.054	1.055	0.050	0.971
35	10	11%	7%	0%	8%	5%	4%	12%	13%	12%	10%	6%	4%	4%	0%	1%	2%	99	170	LD	25	50	24	74	1	0.981	16.517	0.053	0.886	0.048	0.815
35	11	13%	7%	0%	9%	6%	3%	13%	14%	12%	9%	6%	3%	3%	0%	0%	2%	87	170	LD	25	50	25	72	1	0.902	13.343	0.050	0.739	0.046	0.680
35	12	14%	8%	0%	11%	6%	3%	12%	13%	12%	9%	4%	3%	3%	0%	0%	1%	91	170	LD	25	50	25	71	1	0.871	13.482	0.047	0.733	0.044	0.675
35	13	15%	8%	0%	12%	7%	3%	11%	13%	11%	8%	4%	3%	3%	0%	0%	1%	91	170	LD	25	50	25	71	1	0.857	13.252	0.047	0.722	0.043	0.664
35	14	18%	8%	0%	13%	7%	4%	10%	13%	10%	8%	4%	2%	2%	0%	0%	1%	84	170	LD	25	50	25	71	1	0.787	11.232	0.042	0.597	0.038	0.549
35	15	19%	8%	0%	14%	8%	3%	9%	14%	9%	8%	3%	2%	2%	0%	0%	1%	89	170	LD	25	50	25	72	1	0.766	11.586	0.041	0.616	0.037	0.567
35	16	21%	8%	0%	15%	8%	4%	8%	13%	9%	7%	2%	2%	2%	0%	0%	0%	86	170	LD	25	50	24	74	1	0.743	10.866	0.039	0.567	0.036	0.522
35	17	23%	8%	0%	16%	9%	2%	8%	14%	9%	7%	2%	1%	1%	0%	0%	0%	88	170	LD	25	50	24	76	1	0.675	10.104	0.035	0.518	0.032	0.476
35	18	22%	9%	0%	16%	9%	2%	9%	13%	9%	7%	2%	1%	1%	0%	0%	0%	82	170	LD	25	50	23	77	1	0.702	9.788	0.035	0.492	0.033	0.453
35	19	21%	8%	0%	15%	8%	3%	8%	14%	10%	7%	3%	1%	1%	0%	0%	0%	72	170	LD	25	50	23	78	1	0.711	8.703	0.037	0.448	0.034	0.412
35	20	21%	9%	0%	14%	7%	4%	9%	12%	9%	9%	4%	2%	2%	0%	0%	0%	57	170	LD	25	50	23	79	1	0.739	7.164	0.039	0.375	0.036	0.345
35	21	20%	8%	0%	12%	8%	4%	10%	12%	10%	8%	4%	2%	2%	0%	0%	0%	50	170	LD	25	50	23	80	1	0.780	6.629	0.041	0.348	0.038	0.320
35	22	19%	8%	0%	11%	8%	4%	9%	13%	9%	8%	4%	2%	4%	0%	0%	2%	53	170	LD	25	50	23	81	1	0.812	7.319	0.043	0.384	0.039	0.354
35	23	15%	9%	0%	11%	7%	4%	11%	13%	11%	9%	4%	2%	2%	0%	0%	2%	46	170	LD	25	50	23	81	1	0.816	6.380	0.043	0.336	0.040	0.309
36	0	21%	23%	0%	21%	12%	2%	9%	0%	2%	2%	2%	0%	0%	0%	5%	0%	43	330	LD	25	50	23	82	1	0.851	12.074	0.027	0.386	0.025	0.355
36	1	17%	25%	0%	19%	14%	4%	8%	0%	4%	4%	0%	0%	0%	0%	4%	0%	24	330	LD	25	50	22	82	1	0.861	6.821	0.025	0.200	0.023	0.184
36	2	18%	24%	0%	18%	12%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	6%	17	330	LD	25	50	22	83	1	0.824	4.621	0.022	0.124	0.020	0.114
36	3	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	0.903	4.470	0.024	0.119	0.022	0.109
36	4	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	0.903	4.470	0.024	0.119	0.022	0.109
36	5	12%	24%	0%	18%	12%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	12%	17	330	LD	25	50	22	83	1	0.849	4.762	0.022	0.126	0.020	0.115
36	6	13%	27%	0%	21%	10%	2%	4%	2%	4%	4%	2%	2%	2%	0%	6%	0%	48	330	LD	25	50	22	83	1	0.955	15.126	0.032	0.510	0.030	0.469
36	7	14%	26%	0%	19%	11%	1%	5%	2%	5%	3%	2%	1%	1%	0%	6%	2%	88	330	LD	25	50	22	82	1	0.904	26.254	0.029	0.847	0.027	0.779
36	8	12%	25%	1%	21%	13%	1%	3%	2%	4%	3%	3%	2%	2%	0%	6%	4%	122	330	LD	24	50	23	79	1	0.924	37.203	0.031	1.231	0.028	1.132
36	9	14%	24%	0%	21%	13%	2%	5%	2%	4%	3%	2%	1%	2%	0%	6%	3%	102	330	LD	25	50	23	77	1	0.941	31.680	0.030	1.024	0.028	0.941
36	10	15%	22%	0%	22%	14%	3%	6%	1%	3%	3%	2%	1%	1%	0%	5%	3%	101	330	LD	25	50	24	74	1	0.909	30.281	0.030	1.003	0.028	0.922
36	11	16%	21%	0%	22%	14%	2%	6%	1%	3%	3%	1%	1%	1%	0%	5%	3%	95	330	LD	25	50	25	72	1	0.900	28.225	0.029	0.923	0.027	0.848
36	12	16%	19%	0%	20%	13%	4%	12%	1%	3%	3%	1%	1%	1%	0%	4%	3%	115	330	LD	25	50	25	71	1	0.974	36.951	0.033	1.249	0.030	1.148
36	13	19%	21%	0%	19%	12%	3%	11%	1%	3%	3%	1%	1%	1%	0%	5%	2%	107	330	LD	24	50	25	71	1	0.959	33.862	0.031	1.109	0.029	1.020
36	14	18%	18%	0%	20%	13%	4%	12%	1%	3%	3%	1%	1%	1%	0%	4%	2%	114	330	LD	24	50	25	71	1	0.987	37.114	0.033	1.243	0.030	1.143
36	15	19%	18%	0%	22%	14%	3%	11%	0%	2%	2%	1%	1%	1%	0%	4%	2%	131	330	LD	24	50	25	72	1	0.935	40.420	0.032	1.367	0.029	1.257
36	16	20%	18%	0%	22%	13%	4%	12%	0%	2%	2%	1%	1%	1%	0%	4%	2%	131	330	LD	24	50	24	74	1	0.949	41.011	0.032	1.377	0.029	1.267
36	17	23%	18%	1%	18%	11%	4%	13%	0%	2%	2%	1%	1%	1%	0%	4%	2%	135	330	LD	24	50	24	76	1	0.926	41.239	0.031	1.394	0.029	1.283
36	18	21%	19%	0%	18%	11%	4%	13%	0%	3%	3%	1%	1%	1%	0%	4%	2%	119	330	LD	24	50	23	77	1	0.971	38.126	0.032	1.248	0.029	1.148
36	19	21%	20%	0%	18%	11%	4%	13%	0%	3%	2%	1%	1%	1%	0%	4%	1%	96	330	LD	25	50	23	78	1	0.946	29.983	0.032	1.013	0.029	0.931
36	20	19%	19%	0%	21%	12%	4%	12%	0%	2%	2%	1%	1%	1%	0%	4%	1%	83	330	LD	25	50	23	79	1	0.926	25.358	0.033	0.893	0.030	0.821
36	21	20%	18%	0%	22%	12%	4%	12%	0%	3%	3%	1%	0%	1%	0%	4%	1%	77	330	LD	25	50	23	80	1	0.924	23.476	0.031	0.786	0.028	0.723
36	22	20%	21%	0%	17%	9%	4%	13%	0%	3%	3%	2%	2%	2%	0%	5%	2%	66	330	LD	25	50	23	81	1	0.965	21.013	0.034	0.738	0.031	0.678
36	23	19%	23%	0%	20%	10%	4%	9%	0%	4%	2%	2%	0%	2%	0%	6%	0%	53	330	LD	25	50	23	81	1	0.949	16.596	0.030	0.528	0.028	0.486
37	0	22%	7%	0%	15%	7%	4%	11%	19%	4%	0%	4%	0%	0%	0%	7%	0%	27	330	LD	25	50	23	82	1	1.026	9.140	0.039	0.350	0.036	0.322
37	1	35%	6%	0%	12%	6%	6%	12%	18%	0%	0%	0%	0%	0%	0%	6%	0%	17	330	LD	25	50	22	82	1	0.932	5.229	0.034	0.191	0.031	0.176
37	2	22%	11%	0%	11%	11%	0%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	1.192	3.539	0.037	0.110	0.034	0.101
37	3	25%	0%	0%	13%	13%	0%	13%	25%	0%	0%	0%	0%	0%	0%	13%	0%	8	330	LD	25	50	22	83	1	1.293	3.414	0.042	0.110	0.038	0.101
37	4	22%	0%	0%	11%	11%	11%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	1.305	3.877	0.043	0.128	0.040	0.118
37	5	11%	0%	0%	11%	11%	11%	22%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	1.560	4.633	0.052	0.155	0.048	0.142
37	6	11%	3%	0%	13%	6%	11%	30%	19%	0%	0%	3%	0%	0%	0%	5%	0%	37	330	LD	25	50	22	83	1	1.419	17.325	0.055	0.670	0.050	0.616
37	7	16%	1%	0%	20%	12%	5%	16%	20%	0%	0%	1%	1%	1%	0%	4%	1%	69	330	LD	25	50	22	82	1	1.135	25.835	0.047	1.074	0.043	0.988
37	8	10%	1%	0%	26%	15%	4%	15%	19%	0%	0%	1%	1%	1%	0%	4%	3%	95	330	LD	25	50	23	79	1	1.135	35.589	0.046	1.448	0.042	1.332
37	9	12%	3%	0%	21%	13%	5%	14%	19%	0%	0%	1%	1%	1%	0%	5%	4%	78	330	LD	25	50	23	77	1	1.167	30.033	0.046	1.193	0.043	1.097
37	10	15%	3%	0%	17%	10%	5%	12%	21%	2%	0%	2%	2%	2%	0%	6%	5%	66	330	LD	25	50	24	74	1	1.126	24.521	0.045	0.986	0.042	0.906
37	11	19%	3%	0%	18%	11%	3%	11%	19%	2%	2%	2%	2%	2%	0%	5%	5%	65	330	LD	25	50	25	72	1	1.002	21.496	0.042	0.907	0.039	0.834
37	12	22%	4%	0%	15%	9%	3%	10%	19%	2%	2%	2%	2%	2%	0%	6%	4%	68	330	LD	25	50	25	71	1	1.023	22.946	0.041	0.931	0.038	0.856
37	13	20%	5%	0%	20%	12%	3%	10%	16%	1%	1%	1%	1%	1%	0%	5%	3%	76	330	LD	25	50	25	71	1	1.007	25.248	0.040	1.004	0.037	0.924
37	14	22%	5%	0%	17%	10%	3%	10%	16%	3%	1%	1%	1%	1%	0%	5%	4%	77	330	LD	25	50	25	71	1	0.972	24.704	0.039	0.990	0.036	0.910
37	15	24%	7%	0%	16%	8%	4%	10%	15%	2%	2%	1%	1%	1%	0%	6%	3%	88	330	LD	25	50	25	72	1	0.964	27.988	0.038	1.092	0.035	1.004
37	16	27%	7%	0%	16%	9%	2%	5%	14%	2%	2%	2%	1%	1%	0%	6%	4%	84	330	LD	25	50	24	74	1	0.880	24.384	0.035	0.968	0.032	0.890
37	17	27%	7%	0%	16%	9%	1%	4%	14%	3%	2%	2%	1%	1%	0%	6%	6%	94	330	LD	25	50	24	76	1	0.859	26.656	0.033	1.027	0.030	0.943
37	18	28%	8%	0%	13%	7%	1%	5%	16%	3%	3%	3%	1%	1%	0%	7%	4%	75	330	LD	25	50	23	77	1	0.906	22.424	0.036	0.882	0.033	0.810
37	19	28%	8%	0%	12%	7%	2%	7%	17%	3%	3%	2%	2%	2%	0%	7%	2%	60	330	LD	25	50	23	78	1	0.943	18.678	0.037	0.739	0.034	0.680
37	20	27%	8%	0%	15%	8%	2%	6%	16%	2%	2%	2%	2%	2%	0%	6%	2%	49	330	LD	25	50	23	79	1	0.935	15.117	0.038	0.619	0.035	0.569
37	21	24%	7%	0%	15%	9%	2%	7%	16%	2%	2%	2%	2%	2%	0%	7%	2%	45	330	LD	25	50	23	80	1	1.001	14.867	0.041	0.602	0.037	0.554
37	22	24%	7%	0%	12%	7%	2%	10%	17%	2%	2%	2%	2%	2%	0%	7%	2%	42	330	LD	25	50	23	81	1	1.066	14.778	0.043	0.602	0.040	0.554
37	23	23%	6%	0%	11%	9%	3%	9%	17%	3%	3%	3%	3%	3%	0%	6%	3%	35	330	LD	25	50	23	81	1	1.037	11.981	0.045	0.524	0.042	0.482
38	0	22%	18%	0%	18%	10%	3%	8%	0%	5%	3%	2%	2%	2%	0%	5%	2%	60	330	LD	25	50	23	82	1	0.901	17.843	0.032	0.638	0.030	0.587
38	1	20%	17%	0%	17%	9%	3%	9%	0%	6%	6%	3%	3%	3%	0%	6%	0%	35	330	LD	25	50	22	82	1	1.013	11.699	0.039	0.445	0.035	0.409
38	2	24%	19%	0%	19%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	21	330	LD	25	50	22	83	1	0.849	5.881	0.026	0.180	0.024	0.166
38	3	25%	20%	0%	15%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	20	330	LD	25	50	22	83	1	0.865	5.708	0.026	0.172	0.024	0.158
38	4	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	0.757	4.498	0.021	0.125	0.019	0.115
38	5	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	0.757	4.498	0.021	0.125	0.019	0.115
38	6	23%	20%	0%	15%	9%	2%	5%	0%	6%	6%	2%	2%	2%	0%	8%	2%	65	330	LD	25	50	22	83	1	0.925	19.841	0.029	0.622	0.027	0.572
38	7	22%	19%	0%	15%	9%	2%	4%	1%	7%	6%	3%	2%	2%	1%	8%	2%	121	330	LD	24	50	22	82	1	1.037	41.426	0.032	1.282	0.030	1.180
38	8	22%	20%	1%	14%	8%	1%	3%	1%	8%	7%	2%	1%	2%	1%	8%	2%	154	330	LD	24	50	23	79	1	0.982	49.931	0.030	1.505	0.027	1.385
38	9	23%	19%	0%	15%	9%	2%	5%	1%	8%	5%	2%	2%	2%	1%	8%	2%	133	330	LD	24	50	23	77	1	0.985	43.246	0.031	1.351	0.028	1.243
38	10	22%	18%	0%	15%	10%	2%	6%	1%	6%	5%	2%	2%	2%	1%	6%	2%	125	330	LD	24	50	24	74	1	0.973	40.125	0.032	1.320	0.029	1.215
38	11	22%	19%	0%	16%	10%	3%	7%	1%	6%	4%	2%	2%	2%	0%	5%	2%	113	330	LD	24	50	25	72	1	0.913	34.038	0.032	1.208	0.030	1.111
38	12	22%	18%	1%	16%	10%	3%	9%	0%	6%	5%	2%	2%	2%	0%	5%	1%	128	330	LD	24	50	25	71	1	0.926	39.104	0.033	1.410	0.031	1.298
38	13	22%	18%	1%	17%	11%	3%	10%	0%	5%	4%	2%	2%	2%	0%	5%	1%	131	330	LD	24	50	25	71	1	0.946	40.882	0.034	1.468	0.031	1.351
38	14	22%	17%	1%	17%	11%	4%	11%	0%	5%	4%	2%	2%	2%	0%	4%	1%	133	330	LD	24	50	25	71	1	0.929	40.785	0.034	1.509	0.032	1.388
38	15	22%	17%	1%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	1%	148	330	LD	24	50	25	72	1	0.896	43.775	0.034	1.671	0.031	1.537
38	16	22%	17%	1%	20%	12%	4%	12%	0%	3%	3%	2%	1%	1%	0%	3%	0%	148	330	LD	24	50	24	74	1	0.926	45.217	0.035	1.702	0.032	1.567
38	17	22%	18%	1%	20%	12%	4%	13%	0%	3%	3%	2%	1%	1%	0%	2%	0%	163	330	LD	23	50	24	76	1	0.910	48.925	0.034	1.853	0.032	1.706
38	18	22%	17%	1%	20%	12%	4%	13%	0%	3%	3%	2%	1%	1%	0%	2%	0%	148	330	LD	24	50	23	77	1	0.912	44.519	0.035	1.705	0.032	1.570
38	19	21%	17%	1%	19%	11%	4%	12%	0%	4%	3%	2%	2%	2%	0%	2%	0%	123	330	LD	24	50	23	78	1	0.921	37.364	0.035	1.417	0.032	1.305
38	20	22%	18%	0%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	0%	97	330	LD	24	50	23	79	1	0.923	29.549	0.034	1.076	0.031	0.991
38	21	21%	17%	0%	19%	12%	4%	12%	0%	5%	4%	2%	1%	1%	0%	4%	0%	86	330	LD	25	50	23	80	1	0.907	25.729	0.034	0.954	0.031	0.877

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
38	22	22%	18%	0%	18%	10%	4%	10%	0%	5%	4%	2%	1%	1%	0%	4%	1%	82	330	LD	25	50	23	81	1	0.862	23.337	0.032	0.865	0.029	0.795
38	23	23%	18%	0%	18%	10%	3%	10%	0%	4%	4%	1%	1%	1%	0%	4%	1%	71	330	LD	25	50	23	81	1	0.880	20.621	0.032	0.739	0.029	0.679
39	0	20%	11%	0%	17%	11%	3%	9%	14%	3%	3%	0%	0%	0%	0%	9%	0%	35	330	LD	25	50	23	82	1	1.038	11.990	0.033	0.385	0.031	0.354
39	1	18%	9%	0%	18%	9%	5%	9%	14%	5%	5%	0%	0%	0%	0%	9%	0%	22	330	LD	25	50	22	82	1	1.093	7.935	0.035	0.252	0.032	0.232
39	2	20%	7%	0%	20%	13%	7%	13%	13%	0%	0%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	1.115	5.520	0.038	0.187	0.035	0.172
39	3	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.190	5.499	0.040	0.185	0.037	0.170
39	4	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.190	5.499	0.040	0.185	0.037	0.170
39	5	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	1.190	5.499	0.040	0.185	0.037	0.170
39	6	12%	10%	0%	20%	12%	5%	15%	15%	2%	2%	0%	0%	0%	0%	7%	0%	41	330	LD	25	50	22	83	1	1.172	15.857	0.039	0.529	0.036	0.487
39	7	12%	9%	0%	21%	12%	5%	15%	15%	2%	2%	1%	0%	0%	0%	6%	0%	82	330	LD	25	50	22	82	1	1.133	30.652	0.040	1.087	0.037	1.000
39	8	11%	8%	1%	20%	13%	5%	15%	15%	3%	2%	1%	1%	1%	0%	6%	0%	103	330	LD	24	50	23	79	1	1.194	40.579	0.044	1.503	0.041	1.383
39	9	12%	9%	0%	20%	12%	4%	13%	14%	3%	2%	1%	1%	1%	0%	6%	0%	90	330	LD	24	50	23	77	1	1.153	34.250	0.043	1.270	0.039	1.169
39	10	15%	9%	0%	20%	12%	4%	14%	15%	3%	3%	1%	0%	0%	0%	6%	0%	81	330	LD	25	50	24	74	1	1.088	29.082	0.039	1.038	0.036	0.955
39	11	18%	10%	0%	19%	11%	4%	11%	15%	3%	3%	1%	0%	0%	0%	7%	0%	74	330	LD	25	50	25	72	1	1.033	25.214	0.037	0.899	0.034	0.827
39	12	20%	10%	0%	18%	10%	4%	10%	15%	4%	2%	1%	0%	0%	0%	7%	0%	82	330	LD	25	50	25	71	1	1.013	27.413	0.035	0.953	0.032	0.878
39	13	22%	10%	0%	18%	10%	4%	8%	15%	4%	2%	1%	0%	0%	0%	7%	0%	83	330	LD	25	50	25	71	1	0.970	26.574	0.034	0.927	0.031	0.853
39	14	24%	10%	0%	17%	10%	2%	7%	15%	4%	2%	0%	0%	0%	0%	9%	0%	82	330	LD	25	50	25	71	1	0.976	26.416	0.032	0.855	0.029	0.787
39	15	25%	11%	0%	16%	9%	2%	7%	14%	3%	3%	0%	0%	0%	1%	9%	0%	92	330	LD	24	50	25	72	1	1.034	31.390	0.032	0.957	0.029	0.881
39	16	27%	12%	0%	15%	9%	2%	5%	14%	3%	3%	0%	0%	0%	1%	9%	0%	93	330	LD	24	50	24	74	1	1.009	30.964	0.030	0.925	0.028	0.852
39	17	30%	12%	0%	14%	8%	2%	5%	14%	3%	3%	0%	0%	0%	1%	10%	0%	104	330	LD	24	50	24	76	1	1.004	34.473	0.029	1.006	0.027	0.927
39	18	28%	12%	0%	15%	9%	2%	5%	14%	3%	3%	0%	0%	0%	1%	9%	0%	94	330	LD	24	50	23	77	1	1.004	31.137	0.030	0.924	0.027	0.851
39	19	27%	10%	0%	16%	9%	3%	5%	14%	4%	3%	0%	0%	0%	0%	9%	0%	77	330	LD	24	50	23	78	1	0.956	24.280	0.030	0.757	0.027	0.696
39	20	27%	10%	0%	17%	9%	2%	7%	14%	3%	3%	0%	0%	0%	0%	9%	0%	59	330	LD	25	50	23	79	1	0.946	18.412	0.030	0.588	0.028	0.541
39	21	28%	10%	0%	16%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	51	330	LD	25	50	23	80	1	0.936	15.750	0.031	0.515	0.028	0.474
39	22	26%	10%	0%	16%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	50	330	LD	25	50	23	81	1	0.953	15.724	0.031	0.514	0.029	0.473
39	23	26%	10%	0%	17%	10%	2%	10%	14%	2%	2%	0%	0%	0%	0%	7%	0%	42	330	LD	25	50	23	81	1	0.949	13.151	0.032	0.446	0.030	0.411
40	0	33%	18%	0%	15%	7%	2%	4%	11%	2%	2%	0%	0%	0%	0%	3%	3%	95	160	LD	25	50	23	82	1	0.618	9.389	0.022	0.337	0.020	0.310
40	1	33%	19%	0%	14%	8%	2%	4%	10%	2%	2%	0%	0%	0%	0%	4%	4%	52	160	LD	25	50	22	82	1	0.646	5.371	0.021	0.178	0.020	0.164
40	2	32%	18%	0%	12%	9%	3%	3%	12%	3%	3%	0%	0%	0%	0%	3%	3%	34	160	LD	25	50	22	83	1	0.612	3.330	0.022	0.121	0.020	0.111
40	3	36%	16%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	31	160	LD	25	50	22	83	1	0.576	2.856	0.021	0.106	0.020	0.097
40	4	33%	17%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	30	160	LD	25	50	22	83	1	0.593	2.849	0.022	0.105	0.020	0.096
40	5	33%	17%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	30	160	LD	25	50	22	83	1	0.593	2.849	0.022	0.105	0.020	0.096
40	6	31%	17%	0%	13%	7%	1%	4%	14%	4%	2%	0%	0%	0%	0%	5%	2%	84	160	LD	25	50	22	83	1	0.690	9.275	0.024	0.320	0.022	0.294
40	7	32%	15%	0%	13%	8%	1%	4%	14%	4%	3%	0%	0%	0%	0%	5%	2%	143	160	LD	25	50	22	82	1	0.697	15.958	0.024	0.550	0.022	0.506
40	8	32%	15%	0%	12%	7%	1%	3%	15%	4%	3%	0%	0%	0%	1%	6%	2%	168	160	LD	25	50	23	79	1	0.755	20.292	0.025	0.663	0.023	0.610
40	9	32%	16%	1%	12%	8%	1%	4%	14%	3%	3%	0%	0%	0%	1%	4%	3%	161	160	LD	25	50	23	77	1	0.699	18.010	0.024	0.614	0.022	0.564
40	10	32%	16%	1%	13%	8%	1%	4%	12%	3%	3%	0%	0%	0%	0%	4%	3%	161	160	LD	25	50	24	74	1	0.665	17.128	0.023	0.597	0.021	0.549
40	11	32%	17%	1%	14%	8%	1%	4%	12%	3%	3%	0%	0%	0%	0%	4%	3%	163	160	LD	25	50	25	72	1	0.645	16.829	0.023	0.599	0.021	0.551
40	12	32%	17%	1%	14%	8%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	3%	195	160	LD	25	50	25	71	1	0.637	19.863	0.023	0.713	0.021	0.655
40	13	32%	18%	1%	14%	9%	1%	5%	10%	2%	2%	0%	0%	0%	0%	3%	3%	211	160	LD	25	50	25	71	1	0.624	21.051	0.023	0.761	0.021	0.699
40	14	32%	18%	0%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	3%	224	160	LD	24	50	25	71	1	0.641	22.973	0.023	0.822	0.021	0.757
40	15	32%	18%	0%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	262	160	LD	24	50	25	72	1	0.618	25.887	0.022	0.932	0.020	0.857
40	16	33%	19%	0%	15%	9%	2%	6%	8%	2%	2%	0%	0%	0%	0%	2%	4%	275	160	LD	24	50	24	74	1	0.620	27.289	0.022	0.970	0.020	0.892
40	17	33%	19%	0%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	319	160	LD	24	50	24	76	1	0.602	30.701	0.022	1.111	0.020	1.022
40	18	32%	19%	0%	15%	9%	2%	6%	8%	2%	1%	0%	0%	0%	0%	2%	4%	284	160	LD	24	50	23	77	1	0.625	28.408	0.022	1.006	0.020	0.926
40	19	33%	18%	0%	15%	9%	2%	6%	8%	2%	2%	0%	0%	0%	0%	2%	4%	228	160	LD	24	50	23	78	1	0.630	22.997	0.022	0.820	0.021	0.754
40	20	32%	18%	1%	15%	9%	2%	6%	9%	2%	2%	0%	0%	0%	0%	2%	3%	177	160	LD	25	50	23	79	1	0.617	17.473	0.022	0.628	0.020	0.577
40	21	32%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	3%	148	160	LD	25	50	23	80	1	0.618	14.643	0.022	0.523	0.020	0.480
40	22	33%	17%	1%	15%	9%	1%	5%	9%	2%	2%	0%	0%	0%	0%	3%	4%	144	160	LD	25	50	23	81	1	0.620	14.279	0.022	0.511	0.020	0.469
40	23	32%	18%	0%	14%	9%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	3%	118	160	LD	25	50	23	81	1	0.610	11.513	0.022	0.423	0.021	0.388
41	0	23%	17%	0%	17%	9%	3%	8%	15%	2%	2%	2%	0%	0%	0%	3%	2%	66	90	LD	25	50	23	82	1	0.760	4.515	0.030	0.178	0.028	0.164
41	1	22%	16%	0%	16%	11%	3%	8%	14%	3%	3%	0%	0%	0%	0%	3%	3%	37	90	LD	25	50	22	82	1	0.772	2.570	0.028	0.094	0.026	0.087
41	2	20%	16%	0%	16%	8%	4%	8%	16%	4%	4%	0%	0%	0%	0%	4%	0%	25	90	LD	25	50	22	83	1	0.827	1.861	0.030	0.068	0.028	0.063
41	3	22%	13%	0%	17%	9%	4%	9%	13%	4%	4%	0%	0%	0%	0%	4%	0%	23	90	LD	25	50	22	83	1	0.847	1.753	0.031	0.063	0.028	0.058
41	4	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	0.757	1.431	0.027	0.051	0.025	0.047
41	5	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	0.757	1.431	0.027	0.051	0.025	0.047
41	6	24%	15%	0%	16%	9%	2%	5%	16%	3%	3%	2%	0%	0%	0%	5%	2%	67	90	LD	25	50	22	83	1	0.764	4.609	0.029	0.173	0.026	0.159
41	7	23%	14%	0%	16%	10%	2%	4%	17%	3%	3%	1%	1%	1%	0%	4%	3%	121	90	LD	24	50	22	82	1	0.800	8.711	0.031	0.337	0.028	0.310
41	8	23%	14%	1%	16%	10%	1%	3%	17%	3%	3%	1%	1%	1%	0%	5%	2%	145	90	LD	24	50	23	79	1	0.803	10.475	0.030	0.397	0.028	0.365
41	9	23%	14%	1%	16%	10%	2%	5%	16%	3%	3%	1%	1%	1%	0%	5%	2%	134	90	LD	24	50	23	77	1	0.817	9.858	0.031	0.371	0.028	0.341
41	10	23%	14%	1%	16%	10%	2%	5%	15%	3%	2%	1%	1%	1%	0%	4%	2%	132	90	LD	24	50	24	74	1	0.809	9.610	0.032	0.374	0.029	0.344
41	11	23%	15%	0%	16%	10%	3%	7%	15%	3%	3%	1%	1%	1%	0%	3%	2%	122	90	LD	24	50	25	72	1	0.803	8.819	0.032	0.352	0.030	0.324
41	12	23%	15%	1%	16%	10%	3%	8%	14%	2%	2%	1%	1%	1%	0%	3%	2%	142	90	LD	24	50	25	71	1	0.805	10.284	0.032	0.409	0.029	0.376
41	13	23%	15%	1%	16%	9%	3%	9%	14%	2%	2%	1%	1%	1%	0%	3%	2%	150	90	LD	24	50	25	71	1	0.813	10.980	0.032	0.437	0.030	0.402
41	14	23%	16%	1%	16%	10%	3%	9%	14%	2%	1%	1%	1%	1%	0%	2%	2%	155	90	LD	24	50	25	71	1	0.787	10.973	0.032	0.452	0.030	0.416
41	15	22%	16%	1%	17%	10%	3%	10%	13%	2%	2%	1%	1%	1%	0%	2%	2%	176	90	LD	23	50	25	72	1	0.813	12.872	0.033	0.526	0.031	0.484
41	16	23%	17%	1%	17%	10%	3%	10%	13%	2%	1%	1%	1%	1%	0%	2%	2%	182	90	LD	23	50	24	74	1	0.810	13.269	0.032	0.531	0.030	0.489
41	17	23%	17%	1%	16%	10%	3%	10%	12%	2%	1%	1%	1%	1%	0%	2%	2%	205	90	LD	23	50	24	76	1	0.827	15.254	0.034	0.629	0.031	0.579
41	18	22%	17%	1%	16%	10%	3%	10%	13%	2%	1%	1%	1%	1%	0%	2%	2%	184	90	LD	23	50	23	77	1	0.824	13.652	0.033	0.540	0.030	0.497
41	19	23%	16%	1%	16%	10%	3%	10%	13%	1%	1%	1%	1%	1%	0%	2%	1%	150	90	LD	24	50	23	78	1	0.827	11.171	0.033	0.450	0.031	0.414
41	20	22%	16%	0%	16%	10%	3%	10%	13%	2%	2%	1%	1%	1%	0%	2%	2%	119	90	LD	24	50	23	79	1	0.820	8.777	0.033	0.358	0.031	0.329
41	21	22%	16%	0%	16%	10%	3%	10%	14%	2%	2%	1%	1%	1%	0%	2%	2%	102	90	LD	24	50	23	80	1	0.829	7.613	0.034	0.314	0.031	0.289
41	22	22%	16%	0%	16%	10%	3%	8%	14%	2%	2%	1%	1%	1%	0%	2%	2%	100	90	LD	24	50	23	81	1	0.792	7.132	0.033	0.297	0.030	0.273
41	23	23%	16%	0%	17%	8%	2%	8%	15%	2%	1%	1%	1%	1%	0%	2%	1%	83	90	LD	25	50	23	81	1	0.785	5.864	0.033	0.249	0.031	0.230
42	0	24%	31%	1%	14%	9%	1%	3%	10%	1%	1%	1%	1%	1%	0%	3%	2%	211	90	LD	23	50	23	82	1	0.686	13.030	0.023	0.429	0.021	0.395
42	1	25%	29%	0%	14%	9%	1%	3%	10%	1%	1%	1%	1%	1%	0%	3%	2%	126	90	LD	24	50	22	82	1	0.693	7.860	0.024	0.268	0.022	0.247
42	2	26%	30%	0%	15%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	3%	78	90	LD	25	50	22	83	1	0.672	4.721	0.021	0.151	0.020	0.138
42	3	26%	29%	0%	16%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	3%	3%	76	90	LD	25	50	22	83	1	0.621	4.246	0.021	0.144	0.019	0.132
42	4	27%	28%	0%	16%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	3%	3%	75	90	LD	25	50	22	83	1	0.628	4.238	0.021	0.144	0.020	0.133
42	5	26%	28%	0%	15%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	72	90	LD	25	50	22	83	1	0.643	4.164	0.022	0.142	0.020	0.131
42	6	26%	27%	1%	15%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	221	90	LD	23	50	22	83	1	0.706	14.046	0.024	0.484	0.022	0.445
42	7	26%	25%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	3%	402	90	LD	20	50	22	82	1	0.790	28.584	0.027	0.970	0.025	0.893
42	8	27%	25%	0%	15%	8%	1%	4%	11%	1%	1%	1%	1%	1%	0%	3%	3%	498	90	LD	19	50	23	79	1	0.801	35.921	0.027	1.222	0.025	1.123
42	9	26%	26%	1%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	3%	443	90	LD	20	50	23	77	1	0.791	31.523	0.027	1.064	0.025	0.979
42	10	26%	27%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	3%	420	90	LD	20	50	24	74	1	0.773	29.237	0.025	0.955	0.023	0.879
42	11	25%	28%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	3%	398	90	LD	20	50	25	72	1	0.775	27.777	0.025	0.906	0.023	0.834
42	12	25%	30%	0%	14%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	2%	452	90	LD	20	50	25	71	1	0.755	30.719	0.024	0.980	0.022	0.902
42	13	24%	31%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	468	90	LD	20	50	25	71	1	0.759	31.963	0.024	1.000	0.022	0.921
42	14	24%	32%	0%	14%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	2%	483	90	LD	19	50	25	71	1	0.786	34.176	0.024	1.045	0.022	0.960
42	15	23%	33%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	545	90	LD	19	50	25	72	1	0.783	38.427	0.024	1.172	0.022	1.077
42	16	23%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	561	90	LD	18	50	24	74	1	0.805	40.642	0.024	1.204	0.022	1.107
42	17	22%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	629	90	LD	17	50	24	76	1	0.818	46.333	0.024	1.341	0.022	1.234
42	18	23%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	570	90	LD	18	50	23	77	1	0.819	42.018	0.024	1.225	0.022	1.127
42	19	23%	33%	0%	14%	8%	1%	3%	9%	0%	0%	0%	0%	0%	0%	3%	2%	468	90	LD	20	50	23	78	1	0.763	32.142	0.023	0.960	0.021	0.884
42	20	23%	33%	0%	14%	8%	1%	3%	9%	1%	0%	1%	0%	0%	0%	4%	2%	367	90	LD	21	50	23	79	1	0.749	24.725	0.022	0.742	0.021	0.681
42	21	23%	32%	0%	14%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	2%	315	90	LD	22	50	23	80	1	0.734	20.816	0.023	0.638	0.021	0.587
42	22	24%	32%	0%	14%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	4%	2%	306	90	LD	22	50	23	81	1	0.735	20.232	0.023	0.629	0.021	0.578
42	23	24%	31%	0%	14%	9%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	257	90	LD	22	50	23	81	1	0.716	16.571	0.023	0.531	0.021	0.488
43	0	22%	11%	0%	22%	11%	0%	6%	0%	11%	6%	6%	0%	0%	0%	6%	0%	18	70	LD	25	50	23	82	1	0.797	1.004	0.030	0.038	0.027	0.035
43	1	25%	17%	0%	17%	8%	0%	8%	0%	8%	8%	0%	0%	0%	0%	8%	0%	12	70	LD	25	50	22	82	1	0.918	0.771	0.025	0.021	0.023	0.020
43	2	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.435	0.244	0.018	0.010	0.017	0.009
43	3	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.435	0.244	0.018	0.010	0.017	0.009
43	4	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	0.974	0.546	0.023	0.013	0.021	0.012
43	5	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	0.974	0.546	0.023	0.013	0.021	0.012
43	6	21%	14%	0%	14%	7%	0%	4%	0%	11%	7%	4%	4%	4%	0%	7%	4%	28	70	LD	25	50	22	83	1	0.953	1.868	0.037	0.073	0.034	0.067
43	7	23%	12%	0%	12%	7%	2%	4%	0%	11%	9%	4%	4%	4%	0%	7%	4%	57	70	LD	25	50	22	82	1	0.961	3.835	0.038	0.150	0.035	0.138
43	8	23%	15%	0%	14%	7%	1%	3%	0%	11%	8%	4%	3%	3%	0%	7%	3%	74	70	LD	25	50	23	79	1	0.890	4.609	0.034	0.178	0.032	0.164
43	9	23%	13%	0%	13%	8%	2%	3%	0%	10%	8%	3%	3%	3%	0%	7%	3%	61	70	LD	25	50	23	77	1	0.937	4.000	0.037	0.156	0.034	0.143
43	10	23%	14%	0%	15%	10%	2%	4%	0%	10%	8%	4%	2%	2%	0%	6%	2%	52	70	LD	25	50	24	74	1	0.860	3.130	0.033	0.119	0.030	0.110
43	11	24%	13%	0%	17%	9%	2%	4%	0%	9%	7%	4%	2%	2%	0%	4%	2%	46	70	LD	25	50	25	72	1	0.806	2.595	0.034	0.109	0.031	0.100
43	12	22%	12%	0%	20%	10%	2%	6%	0%	8%	6%	4%	2%	2%	0%	4%	2%	50	70	LD	25	50	25	71	1	0.837	2.928	0.035	0.121	0.032	0.111
43	13	23%	11%	0%	21%	11%	2%	6%	0%	6%	6%	2%	2%	2%	0%	4%	2%	47	70	LD	25	50	25	71	1	0.856	2.815	0.034	0.111	0.031	0.102
43	14	22%	11%	0%	22%	13%	2%	7%	0%	7%	4%	2%	2%	2%	0%	2%	2%	45	70	LD	25	50	25	71	1	0.796	2.508	0.034	0.106	0.031	0.098
43	15	21%	11%	0%	26%	13%	2%	9%	0%	6%	4%	2%	2%	2%	0%	2%	0%	47	70	LD	25	50	25	72	1	0.819	2.694	0.035	0.115	0.032	0.106
43	16	19%	9%	0%	28%	16%	2%	9%	0%	5%	5%	2%	2%	2%	0%	0%	0%	43	70	LD	25	50	24	74	1	0.811	2.442	0.037	0.112	0.034	0.103
43	17	18%	9%	0%	29%	16%	4%	11%	0%	4%	2%	2%	2%	2%	0%	0%	0%	45	70	LD	25	50	24	76	1	0.846	2.665	0.038	0.121	0.035	0.111
43	18	19%	9%	0%	28%	16%	2%	9%	0%	5%	5%	2%	2%	2%	0%	0%	0%	43	70	LD	25	50	23	77	1	0.817	2.459	0.037	0.112	0.034	0.103
43	19	19%	11%	0%	27%	14%	3%	8%	0%	5%	5%	3%	3%	3%	0%	0%	0%	37	70	LD	25	50	23	78	1	0.790	2.046	0.037	0.097	0.034	0.089
43	20	19%	10%	0%	23%	13%	3%	10%	0%	7%	3%	3%	3%	3%	0%	3%	0%	31	70	LD	25	50	23	79	1	0.969	2.102	0.042	0.090	0.038	0.083
43	21	18%	11%	0%	21%	14%	4%	7%	0%	7%	4%	4%	4%	4%	0%	4%	0%	28	70	LD	25	50	23	80	1	0.974	1.909	0.042	0.083	0.039	0.076
43	22	20%	10%	0%	20%	13%	3%	7%	0%	7%	7%	3%	3%	3%	0%	3%	0%	30	70	LD	25	50	23	81	1	0.924	1.940	0.040	0.085	0.037	0.078
43	23	19%	12%	0%	19%	12%	4%	8%	0%	8%	4%	4%	4%	4%	0%	4%	0%	26	70	LD	25	50	23	81	1	0.969	1.764	0.043	0.077	0.039	0.071
44	0	31%	14%	0%	15%	8%	1%	4%	16%	2%	2%	0%	0%	0%	0%	4%	3%	96	70	LD	25	50	23	82	1	0.679	4.560	0.025	0.169	0.023	0.156
44	1	33%	12%	0%	15%	10%	2%	4%	15%	2%	2%	0%	0%	0%	0%	4%	2%	52	70	LD	25	50	22	82	1	0.682	2.483	0.026	0.093	0.023	0.085
44	2	31%	11%	0%	14%	9%	3%	6%	14%	3%	3%	0%	0%	0%	0%	3%	3%	35	70	LD	25	50	22	83	1	0.680	1.667	0.026	0.065	0.024	0.059
44	3	29%	12%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	34	70	LD	25	50	22	83	1	0.694	1.651	0.027	0.064	0.025	0.059
44	4	30%	9%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	33	70	LD	25	50	22	83	1	0.705	1.629	0.028	0.064	0.025	0.059
44	5	26%	10%	0%	16%	10%	3%	7%	16%	3%	3%	0%	0%	0%	0%	3%	3%	31	70	LD	25	50	22	83	1	0.749	1.626	0.029	0.063	0.027	0.058
44	6	27%	9%	0%	16%	9%	2%	7%	19%	2%	2%	0%	0%	0%	0%	5%	2%	89	70	LD	25	50	22	83	1	0.798	4.973	0.030	0.189	0.028	0.174
44	7	26%	9%	1%	15%	10%	3%	8%	20%	3%	2%	0%	0%	0%	0%	4%	1%	156	70	LD	23	50	22	82	1	0.844	9.218	0.032	0.354	0.030	0.326

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
44	8	25%	8%	1%	16%	9%	3%	8%	20%	3%	2%	0%	0%	0%	1%	4%	1%	193	70	LD	23	50	23	79	1	0.890	12.021	0.034	0.453	0.031	0.417
44	9	26%	9%	1%	16%	9%	2%	7%	19%	3%	2%	0%	0%	0%	1%	4%	2%	180	70	LD	23	50	23	77	1	0.854	10.763	0.032	0.399	0.029	0.367
44	10	28%	10%	1%	15%	9%	2%	6%	18%	2%	2%	0%	0%	0%	1%	4%	2%	175	70	LD	23	50	24	74	1	0.826	10.124	0.030	0.371	0.028	0.342
44	11	29%	12%	1%	15%	9%	2%	6%	17%	2%	2%	0%	0%	0%	0%	4%	2%	171	70	LD	23	50	25	72	1	0.764	9.141	0.029	0.343	0.026	0.316
44	12	30%	12%	1%	15%	9%	2%	5%	16%	2%	2%	0%	0%	0%	1%	4%	3%	201	70	LD	23	50	25	71	1	0.765	10.764	0.028	0.389	0.025	0.359
44	13	31%	13%	1%	15%	9%	1%	4%	15%	2%	2%	0%	0%	0%	1%	4%	3%	214	70	LD	23	50	25	71	1	0.715	10.715	0.026	0.387	0.024	0.357
44	14	32%	14%	0%	15%	8%	1%	3%	14%	2%	2%	0%	0%	0%	0%	4%	3%	225	70	LD	23	50	25	71	1	0.712	11.218	0.025	0.390	0.023	0.359
44	15	34%	14%	0%	14%	9%	1%	3%	14%	2%	2%	0%	0%	0%	0%	4%	4%	259	70	LD	22	50	25	72	1	0.702	12.731	0.024	0.440	0.022	0.404
44	16	34%	15%	0%	14%	9%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	272	70	LD	22	50	24	74	1	0.704	13.407	0.024	0.449	0.022	0.413
44	17	35%	16%	0%	14%	8%	1%	2%	12%	2%	2%	0%	0%	0%	0%	4%	4%	310	70	LD	22	50	24	76	1	0.663	14.397	0.022	0.488	0.021	0.448
44	18	34%	15%	0%	15%	8%	1%	2%	13%	2%	1%	0%	0%	0%	0%	4%	4%	276	70	LD	22	50	23	77	1	0.702	13.555	0.023	0.451	0.021	0.415
44	19	34%	15%	0%	15%	8%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	226	70	LD	23	50	23	78	1	0.696	11.005	0.024	0.372	0.022	0.343
44	20	34%	15%	1%	15%	9%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	4%	172	70	LD	24	50	23	79	1	0.651	7.836	0.023	0.278	0.021	0.256
44	21	34%	14%	1%	14%	9%	1%	3%	14%	2%	1%	0%	0%	0%	0%	4%	3%	146	70	LD	24	50	23	80	1	0.653	6.670	0.023	0.238	0.021	0.219
44	22	33%	13%	1%	15%	9%	1%	3%	14%	2%	1%	0%	0%	0%	0%	4%	4%	143	70	LD	24	50	23	81	1	0.670	6.703	0.024	0.242	0.022	0.223
44	23	33%	14%	0%	15%	9%	1%	3%	15%	2%	2%	0%	0%	0%	0%	4%	3%	117	70	LD	24	50	23	81	1	0.686	5.619	0.025	0.202	0.023	0.186
45	0	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	2%	330	70	LD	24	50	23	82	1	0.840	19.401	0.029	0.658	0.026	0.606
45	1	27%	21%	1%	12%	8%	4%	12%	7%	2%	1%	1%	1%	1%	0%	3%	3%	197	70	LD	25	50	22	82	1	0.820	11.305	0.029	0.397	0.026	0.365
45	2	27%	22%	0%	12%	8%	4%	12%	6%	2%	1%	1%	0%	0%	0%	3%	3%	130	70	LD	25	50	22	83	1	0.808	7.352	0.027	0.250	0.025	0.230
45	3	27%	22%	0%	12%	8%	4%	12%	6%	2%	1%	1%	0%	0%	0%	3%	3%	129	70	LD	25	50	22	83	1	0.810	7.318	0.027	0.248	0.025	0.228
45	4	27%	23%	0%	12%	6%	4%	13%	6%	2%	1%	1%	0%	0%	0%	3%	3%	128	70	LD	25	50	22	83	1	0.799	7.161	0.027	0.243	0.025	0.223
45	5	27%	23%	0%	11%	6%	4%	13%	6%	2%	1%	1%	0%	1%	0%	3%	3%	128	70	LD	25	50	22	83	1	0.820	7.349	0.028	0.252	0.026	0.232
45	6	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	1%	1%	0%	3%	3%	390	70	LD	23	50	22	83	1	0.904	24.676	0.030	0.823	0.028	0.757
45	7	27%	22%	0%	10%	6%	5%	13%	7%	1%	1%	1%	0%	0%	0%	3%	3%	712	70	LD	21	50	22	82	1	0.949	47.323	0.031	1.548	0.029	1.422
45	8	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	0%	0%	0%	3%	4%	904	70	LD	19	50	23	79	1	1.000	63.294	0.032	2.027	0.029	1.862
45	9	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	777	70	LD	20	50	23	77	1	0.974	52.987	0.031	1.705	0.029	1.569
45	10	27%	22%	0%	11%	7%	4%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	720	70	LD	21	50	24	74	1	0.938	47.258	0.031	1.554	0.028	1.427
45	11	27%	21%	0%	12%	7%	4%	12%	6%	1%	1%	1%	0%	0%	0%	3%	3%	653	70	LD	21	50	25	72	1	0.913	41.731	0.030	1.381	0.028	1.269
45	12	27%	21%	0%	12%	7%	4%	12%	7%	1%	1%	0%	0%	0%	0%	3%	3%	725	70	LD	21	50	25	71	1	0.921	46.761	0.030	1.538	0.028	1.413
45	13	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	729	70	LD	21	50	25	71	1	0.914	46.627	0.030	1.534	0.028	1.410
45	14	27%	20%	0%	14%	8%	4%	11%	6%	2%	1%	0%	0%	0%	0%	3%	3%	733	70	LD	21	50	25	71	1	0.913	46.822	0.030	1.539	0.028	1.414
45	15	27%	20%	0%	14%	8%	4%	11%	6%	2%	1%	0%	0%	0%	0%	3%	2%	807	70	LD	20	50	25	72	1	0.913	51.603	0.030	1.686	0.027	1.552
45	16	27%	20%	0%	15%	9%	4%	11%	6%	2%	1%	0%	0%	0%	0%	3%	2%	813	70	LD	20	50	24	74	1	0.921	52.388	0.030	1.701	0.028	1.566
45	17	27%	19%	0%	16%	9%	4%	10%	6%	2%	1%	0%	0%	0%	0%	3%	2%	885	70	LD	19	50	24	76	1	0.945	58.515	0.030	1.874	0.028	1.724
45	18	27%	20%	0%	15%	9%	4%	10%	6%	2%	1%	0%	0%	0%	0%	3%	2%	815	70	LD	20	50	23	77	1	0.926	52.850	0.030	1.703	0.027	1.568
45	19	27%	20%	0%	15%	9%	4%	11%	6%	2%	1%	0%	0%	0%	0%	3%	2%	674	70	LD	21	50	23	78	1	0.902	42.538	0.030	1.402	0.027	1.288
45	20	27%	20%	0%	14%	9%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	537	70	LD	22	50	23	79	1	0.885	33.277	0.029	1.095	0.027	1.007
45	21	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	469	70	LD	22	50	23	80	1	0.880	28.886	0.029	0.954	0.027	0.877
45	22	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	3%	466	70	LD	23	50	23	81	1	0.850	27.725	0.029	0.933	0.026	0.859
45	23	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	1%	0%	0%	0%	3%	3%	401	70	LD	23	50	23	81	1	0.854	23.968	0.029	0.805	0.026	0.741
46	0	20%	16%	0%	9%	5%	9%	24%	8%	2%	1%	1%	1%	1%	0%	2%	1%	152	280	LD	23	50	23	82	1	1.119	47.643	0.042	1.802	0.039	1.659
46	1	21%	17%	0%	8%	5%	8%	25%	8%	2%	1%	1%	0%	0%	0%	2%	1%	87	280	LD	24	50	22	82	1	1.095	26.679	0.040	0.971	0.037	0.893
46	2	20%	18%	0%	8%	5%	8%	25%	8%	2%	2%	0%	0%	0%	0%	2%	2%	60	280	LD	25	50	22	83	1	1.037	17.424	0.038	0.638	0.035	0.587
46	3	20%	18%	0%	7%	5%	8%	25%	8%	2%	2%	0%	0%	0%	0%	3%	2%	60	280	LD	25	50	22	83	1	1.106	18.584	0.039	0.649	0.036	0.597
46	4	19%	19%	0%	7%	5%	9%	25%	9%	2%	2%	0%	0%	0%	0%	3%	2%	59	280	LD	25	50	22	83	1	1.127	18.621	0.039	0.648	0.036	0.596
46	5	18%	20%	0%	7%	3%	8%	27%	8%	2%	2%	0%	0%	0%	0%	3%	2%	60	280	LD	25	50	22	83	1	1.131	18.995	0.039	0.661	0.036	0.608
46	6	17%	19%	0%	7%	4%	9%	26%	8%	2%	2%	1%	1%	1%	0%	3%	2%	182	280	LD	23	50	22	83	1	1.197	61.012	0.042	2.164	0.039	1.992
46	7	16%	20%	0%	6%	4%	9%	26%	8%	2%	2%	1%	1%	1%	0%	3%	2%	336	280	LD	20	50	22	82	1	1.369	128.795	0.045	4.242	0.042	3.904
46	8	15%	20%	0%	6%	4%	9%	26%	9%	2%	2%	1%	1%	1%	0%	3%	3%	424	280	LD	18	50	23	79	1	1.442	171.138	0.046	5.485	0.042	5.045
46	9	16%	19%	0%	7%	4%	9%	26%	9%	2%	2%	1%	1%	1%	0%	3%	2%	365	280	LD	20	50	23	77	1	1.342	137.117	0.044	4.546	0.041	4.184
46	10	17%	18%	0%	7%	4%	9%	25%	8%	2%	2%	1%	1%	1%	0%	3%	2%	336	280	LD	20	50	24	74	1	1.330	125.138	0.045	4.220	0.041	3.884
46	11	19%	18%	0%	8%	5%	9%	25%	8%	2%	2%	1%	0%	0%	0%	3%	2%	302	280	LD	21	50	25	72	1	1.225	103.578	0.043	3.600	0.039	3.310
46	12	20%	17%	0%	8%	5%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	2%	332	280	LD	20	50	25	71	1	1.250	116.192	0.043	3.985	0.039	3.669
46	13	21%	16%	0%	9%	5%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	2%	333	280	LD	20	50	25	71	1	1.225	114.215	0.042	3.960	0.039	3.646
46	14	22%	15%	0%	10%	6%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	1%	334	280	LD	20	50	25	71	1	1.201	112.303	0.042	3.961	0.039	3.647
46	15	23%	14%	0%	10%	6%	8%	24%	8%	2%	1%	1%	0%	0%	0%	2%	1%	366	280	LD	20	50	25	72	1	1.173	120.183	0.042	4.306	0.039	3.965
46	16	24%	13%	0%	11%	6%	8%	23%	7%	2%	1%	1%	0%	0%	0%	2%	1%	362	280	LD	20	50	24	74	1	1.171	118.646	0.042	4.245	0.039	3.909
46	17	25%	12%	0%	11%	7%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	394	280	LD	19	50	24	76	1	1.173	129.408	0.042	4.650	0.039	4.279
46	18	25%	13%	0%	11%	6%	8%	23%	7%	2%	1%	1%	0%	0%	0%	2%	1%	363	280	LD	20	50	23	77	1	1.173	119.236	0.042	4.250	0.039	3.915
46	19	24%	13%	0%	11%	6%	8%	23%	7%	2%	1%	0%	0%	0%	0%	2%	1%	299	280	LD	21	50	23	78	1	1.136	95.096	0.041	3.429	0.038	3.154
46	20	23%	14%	0%	10%	6%	8%	24%	7%	2%	2%	0%	0%	0%	0%	2%	1%	242	280	LD	22	50	23	79	1	1.115	75.529	0.041	2.779	0.038	2.557
46	21	22%	15%	1%	10%	6%	8%	23%	8%	2%	1%	1%	1%	1%	0%	2%	1%	214	280	LD	22	50	23	80	1	1.124	67.375	0.041	2.483	0.038	2.285
46	22	22%	15%	1%	9%	6%	8%	24%	8%	2%	1%	1%	1%	1%	0%	2%	1%	214	280	LD	22	50	23	81	1	1.125	67.416	0.042	2.487	0.038	2.288
46	23	21%	16%	0%	9%	6%	9%	24%	8%	2%	2%	1%	1%	1%	0%	2%	1%	181	280	LD	23	50	23	81	1	1.121	56.795	0.042	2.118	0.038	1.949
47	0	12%	43%	0%	10%	6%	2%	4%	20%	0%	0%	2%	0%	0%	0%	0%	0%	49	280	LD	25	50	23	82	1	0.577	7.915	0.024	0.324	0.022	0.298
47	1	14%	43%	0%	11%	7%	0%	4%	21%	0%	0%	0%	0%	0%	0%	0%	0%	28	280	LD	25	50	22	82	1	0.551	4.324	0.021	0.162	0.019	0.149
47	2	13%	38%	0%	13%	6%	0%	6%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	280	LD	25	50	22	83	1	0.615	2.755	0.025	0.112	0.023	0.103
47	3	13%	33%	0%	13%	7%	0%	7%	27%	0%	0%	0%	0%	0%	0%	0%	0%	15	280	LD	25	50	22	83	1	0.629	2.643	0.027	0.112	0.025	0.103
47	4	14%	29%	0%	14%	7%	0%	7%	29%	0%	0%	0%	0%	0%	0%	0%	0%	14	280	LD	25	50	22	83	1	0.644	2.524	0.028	0.112	0.026	0.103
47	5	17%	25%	0%	8%	8%	0%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	12	280	LD	25	50	22	83	1	0.677	2.276	0.031	0.105	0.029	0.096
47	6	12%	20%	0%	10%	5%	2%	7%	32%	2%	2%	2%	2%	2%	0%	0%	0%	41	280	LD	25	50	22	83	1	0.793	9.109	0.043	0.489	0.039	0.450
47	7	12%	15%	0%	11%	6%	3%	8%	36%	2%	2%	3%	2%	2%	0%	0%	0%	66	280	LD	25	50	22	82	1	0.800	14.784	0.043	0.801	0.040	0.737
47	8	11%	7%	0%	11%	7%	3%	8%	42%	3%	1%	4%	3%	3%	0%	0%	0%	76	280	LD	25	50	23	79	1	0.873	18.576	0.052	1.101	0.048	1.014
47	9	13%	19%	0%	10%	6%	3%	6%	33%	1%	1%	3%	1%	3%	0%	0%	0%	78	280	LD	25	50	23	77	1	0.784	17.121	0.041	0.898	0.038	0.827
47	10	14%	27%	0%	10%	6%	3%	5%	28%	1%	1%	3%	1%	1%	0%	0%	0%	81	280	LD	25	50	24	74	1	0.685	15.532	0.035	0.783	0.032	0.721
47	11	13%	34%	0%	10%	6%	1%	5%	24%	1%	1%	1%	1%	1%	0%	0%	0%	82	280	LD	25	50	25	72	1	0.641	14.709	0.030	0.688	0.028	0.633
47	12	14%	38%	0%	11%	6%	1%	4%	22%	1%	1%	1%	1%	1%	0%	0%	0%	102	280	LD	25	50	25	71	1	0.603	17.208	0.027	0.759	0.024	0.699
47	13	13%	43%	0%	11%	6%	1%	4%	18%	1%	1%	1%	1%	1%	0%	0%	0%	114	280	LD	24	50	25	71	1	0.592	18.901	0.024	0.775	0.022	0.713
47	14	14%	47%	0%	11%	6%	1%	3%	16%	0%	0%	1%	1%	1%	0%	0%	1%	122	280	LD	24	50	25	71	1	0.553	18.895	0.021	0.729	0.020	0.671
47	15	14%	50%	0%	10%	6%	1%	2%	15%	0%	0%	1%	1%	1%	0%	0%	1%	144	280	LD	24	50	25	72	1	0.530	21.360	0.019	0.780	0.018	0.718
47	16	14%	52%	0%	10%	6%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	157	280	LD	24	50	24	74	1	0.525	23.077	0.018	0.784	0.016	0.721
47	17	14%	54%	0%	10%	7%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	183	280	LD	24	50	24	76	1	0.507	25.972	0.016	0.843	0.015	0.776
47	18	14%	52%	0%	10%	6%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	164	280	LD	24	50	23	77	1	0.524	24.068	0.017	0.799	0.016	0.736
47	19	14%	51%	0%	11%	5%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	131	280	LD	24	50	23	78	1	0.542	19.897	0.019	0.703	0.018	0.647
47	20	14%	49%	0%	11%	6%	1%	2%	14%	0%	0%	1%	1%	1%	0%	0%	1%	102	280	LD	25	50	23	79	1	0.545	15.565	0.020	0.582	0.019	0.535
47	21	15%	48%	0%	10%	6%	1%	2%	16%	0%	0%	1%	0%	1%	0%	0%	0%	83	280	LD	25	50	23	80	1	0.543	12.631	0.020	0.463	0.018	0.426
47	22	14%	46%	0%	10%	6%	1%	3%	17%	0%	0%	1%	1%	1%	0%	0%	0%	79	280	LD	25	50	23	81	1	0.579	12.797	0.024	0.527	0.022	0.485
47	23	13%	45%	0%	9%	6%	2%	3%	19%	0%	0%	2%	0%	2%	0%	0%	0%	64	280	LD	25	50	23	81	1	0.592	10.617	0.023	0.420	0.022	0.387
48	0	4%	6%	0%	10%	6%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	2%	68	300	LD	25	50	23	82	1	1.625	33.140	0.062	1.258	0.057	1.158
48	1	5%	7%	0%	10%	5%	17%	54%	0%	0%	0%	0%	0%	0%	0%	0%	2%	41	300	LD	25	50	22	82	1	1.638	20.153	0.061	0.749	0.056	0.689
48	2	4%	7%	0%	7%	4%	19%	56%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	300	LD	25	50	22	83	1	1.676	13.576	0.062	0.505	0.057	0.464
48	3	4%	7%	0%	7%	4%	19%	56%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	300	LD	25	50	22	83	1	1.676	13.576	0.062	0.505	0.057	0.464
48	4	7%	7%	0%	7%	4%	18%	54%	0%	0%	0%	0%	0%	0%	0%	0%	4%	28	300	LD	25	50	22	83	1	1.618	13.588	0.060	0.507	0.056	0.466
48	5	7%	7%	0%	7%	4%	18%	54%	0%	0%	0%	0%	0%	0%	0%	0%	4%	28	300	LD	25	50	22	83	1	1.618	13.588	0.060	0.507	0.056	0.466
48	6	6%	9%	0%	7%	5%	19%	51%	0%	0%	0%	0%	0%	0%	0%	0%	4%	86	300	LD	24	50	22	83	1	1.641	42.347	0.060	1.541	0.055	1.416
48	7	6%	10%	0%	7%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	163	300	LD	23	50	22	82	1	1.681	82.193	0.061	2.998	0.056	2.757
48	8	6%	11%	0%	6%	3%	18%	51%	0%	0%	0%	1%	1%	1%	0%	0%	4%	208	300	LD	22	50	23	79	1	1.730	107.969	0.062	3.876	0.057	3.564
48	9	6%	10%	0%	7%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	3%	178	300	LD	22	50	23	77	1	1.746	93.240	0.063	3.348	0.058	3.079
48	10	6%	9%	0%	8%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	3%	162	300	LD	23	50	24	74	1	1.683	81.789	0.062	3.020	0.057	2.778
48	11	5%	9%	0%	9%	5%	18%	51%	0%	0%	0%	1%	0%	0%	0%	0%	3%	142	300	LD	23	50	25	72	1	1.676	71.382	0.061	2.619	0.057	2.409
48	12	5%	7%	0%	10%	5%	19%	51%	0%	0%	0%	1%	0%	0%	0%	0%	3%	156	300	LD	23	50	25	71	1	1.692	79.180	0.062	2.902	0.057	2.669
48	13	5%	5%	0%	11%	7%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	2%	152	300	LD	23	50	25	71	1	1.713	78.124	0.062	2.850	0.057	2.621
48	14	5%	5%	0%	11%	7%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	151	300	LD	23	50	25	71	1	1.729	78.338	0.063	2.861	0.058	2.632
48	15	5%	4%	0%	12%	7%	18%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	164	300	LD	22	50	25	72	1	1.778	87.484	0.064	3.159	0.059	2.906
48	16	4%	3%	1%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	162	300	LD	23	50	24	74	1	1.755	85.279	0.064	3.117	0.059	2.868
48	17	4%	1%	1%	14%	9%	19%	53%	0%	1%	0%	0%	0%	0%	0%	0%	0%	173	300	LD	22	50	24	76	1	1.807	93.804	0.066	3.402	0.060	3.130
48	18	4%	2%	1%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	160	300	LD	23	50	23	77	1	1.782	85.537	0.065	3.112	0.060	2.864
48	19	5%	2%	0%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	134	300	LD	23	50	23	78	1	1.772	71.220	0.065	2.594	0.059	2.387
48	20	5%	3%	0%	13%	7%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	108	300	LD	24	50	23	79	1	1.698	55.031	0.063	2.050	0.058	1.884
48	21	4%	4%	0%	13%	6%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	95	300	LD	24	50	23	80	1	1.684	47.992	0.063	1.790	0.058	1.645
48	22	5%	4%	0%	12%	6%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	95	300	LD	24	50	23	81	1	1.673	47.688	0.063	1.784	0.058	1.640
48	23	5%	5%	0%	10%	6%	19%	54%	0%	0%	0%	0%	0%	0%	0%	0%	1%	80	300	LD	24	50	23	81	1	1.696	40.706	0.063	1.517	0.058	1.395
49	0	9%	16%	0%	19%	13%	9%	31%	0%	0%	0%	0%	0%	0%	0%	0%	3%	32	300	LD	25	50	23	82	1	1.164	11.175	0.043	0.409	0.039	0.376
49	1	11%	16%	0%	21%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19	300	LD	25	50	22	82	1	1.182	6.736	0.043	0.245	0.040	0.226
49	2	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	1.246	4.113	0.045	0.149	0.041	0.137
49	3	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	1.246	4.113	0.045	0.149	0.041	0.137
49	4	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	1.172	4.221	0.041	0.148	0.038	0.137
49	5	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	1.172	4.221	0.041	0.148	0.038	0.137
49	6	5%	25%	0%	18%	10%	10%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40	300	LD	25	50	22	83	1	1.202	14.429	0.042	0.505	0.039	0.465
49	7	5%	25%	0%	18%	10%	10%	30%	0%	0%	0%	1%	0%	0%	0%	0%	0%	77	300	LD	25	50	22	82	1	1.174	27.122	0.042	0.971	0.039	0.894
49	8	4%	25%	0%	17%	11%	11%	29%	0%	1%	0%	1%	1%	1%	0%	0%	0%	102	300	LD	24	50	23	79	1	1.241	37.971	0.046	1.395	0.042	1.283
49	9	5%	24%	0%	18%	10%	10%	31%	0%	1%	0%	1%	0%	0%	0%	0%	0%	82	300	LD	24	50	23	77	1	1.204	29.629	0.043	1.048	0.039	0.964
49	10	7%	22%	0%	19%	11%	10%	30%	0%	0%	0%	1%	0%	0%	0%	0%	1%	74	300	LD	25	50	24	74	1	1.153	25.589	0.042	0.933	0.039	0.859
49	11	8%	20%	0%	20%	11%	11%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	66	300	LD	25	50	25	72	1	1.149	22.753	0.042	0.823	0.038	0.758
49	12	9%	17%	0%	20%	12%	10%	30%	0%	0%	0%	0%	0%	0%	0%	0%	1%	69	300	LD	25	50	25	71	1	1.155	23.916	0.042	0.869	0.039	0.800
49	13	10%	16%	0%	20%	12%	10%	30%	0%	0%	0%	0%	0%	0%	0%	0%	1%	69	300	LD	25	50	25	71	1	1.150	23.801	0.042	0.871	0.039	0.801
49	14	12%	12%	0%	22%	12%	10%	29%	0%	0%	0%	0%	0%	0%	0%	0%	3%	68	300	LD	25	50	25	71	1	1.132	23.093	0.042	0.858	0.039	0.790
49	15	14%	8%	0%	22%	14%	10%	30%	0%	1%	0%	0%	0%	0%	0%	0%	3%	74	300	LD	25	50	25	72	1	1.128	25.044	0.043	0.947	0.039	0.871
49	16	15%	6%	0%	22%	14%	10%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	73	300	LD	25	50	24	74	1	1.120	24.536	0.042	0.927	0.039	0.852
49	17	17%	3%	0%	22%	15%	9%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	76	300	LD	25	50	24	76	1	1.109	25.291	0.043	0.974	0.039	0.895

2023 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBSD	FBDD	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
49	18	15%	4%	0%	22%	14%	10%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	72	300	LD	25	50	23	77	1	1.138	24.577	0.043	0.927	0.039	0.852
49	19	14%	7%	0%	22%	12%	10%	31%	0%	0%	0%	0%	0%	0%	0%	0%	3%	58	300	LD	25	50	23	78	1	1.168	20.321	0.044	0.763	0.040	0.702
49	20	12%	8%	0%	22%	12%	10%	31%	0%	0%	0%	0%	0%	0%	0%	0%	4%	49	300	LD	25	50	23	79	1	1.162	17.084	0.043	0.639	0.040	0.587
49	21	12%	10%	0%	24%	12%	10%	31%	0%	0%	0%	0%	0%	0%	0%	0%	2%	42	300	LD	25	50	23	80	1	1.158	14.592	0.043	0.547	0.040	0.504
49	22	12%	12%	0%	23%	12%	9%	30%	0%	0%	0%	0%	0%	0%	0%	0%	2%	43	300	LD	25	50	23	81	1	1.134	14.633	0.042	0.547	0.039	0.503
49	23	11%	14%	0%	19%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	3%	37	300	LD	25	50	23	81	1	1.183	13.132	0.044	0.485	0.040	0.446
50	0	46%	15%	0%	23%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13	260	LD	25	50	23	82	1	0.369	1.247	0.014	0.048	0.013	0.044
50	1	43%	14%	0%	29%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7	260	LD	25	50	22	82	1	0.385	0.700	0.015	0.027	0.014	0.025
50	2	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.433	0.563	0.015	0.019	0.014	0.018
50	3	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.433	0.563	0.015	0.019	0.014	0.018
50	4	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.444	0.462	0.019	0.019	0.017	0.018
50	5	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.444	0.462	0.019	0.019	0.017	0.018
50	6	40%	10%	0%	30%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10	260	LD	25	50	22	83	1	0.444	1.154	0.017	0.045	0.016	0.041
50	7	39%	6%	0%	33%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18	260	LD	25	50	22	82	1	0.472	2.208	0.019	0.088	0.017	0.081
50	8	35%	4%	0%	35%	22%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	23	260	LD	25	50	23	79	1	0.468	2.798	0.019	0.115	0.018	0.106
50	9	44%	9%	0%	30%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23	260	LD	25	50	23	77	1	0.410	2.454	0.017	0.100	0.015	0.092
50	10	46%	9%	0%	27%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22	260	LD	25	50	24	74	1	0.404	2.312	0.016	0.093	0.015	0.086
50	11	44%	13%	0%	26%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	23	260	LD	25	50	25	72	1	0.364	2.174	0.014	0.086	0.013	0.079
50	12	44%	15%	0%	22%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	260	LD	25	50	25	71	1	0.373	2.617	0.014	0.099	0.013	0.091
50	13	46%	14%	0%	21%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	28	260	LD	25	50	25	71	1	0.361	2.626	0.014	0.101	0.013	0.092
50	14	48%	16%	0%	19%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	31	260	LD	25	50	25	71	1	0.339	2.734	0.013	0.104	0.012	0.095
50	15	47%	17%	0%	19%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	36	260	LD	25	50	25	72	1	0.328	3.070	0.012	0.116	0.011	0.106
50	16	47%	18%	0%	18%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	38	260	LD	25	50	24	74	1	0.324	3.206	0.012	0.118	0.011	0.108
50	17	50%	19%	0%	17%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	42	260	LD	25	50	24	76	1	0.302	3.293	0.011	0.123	0.010	0.112
50	18	49%	18%	0%	18%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	39	260	LD	25	50	23	77	1	0.319	3.240	0.012	0.120	0.011	0.109
50	19	48%	19%	0%	19%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	31	260	LD	25	50	23	78	1	0.316	2.543	0.012	0.094	0.011	0.087
50	20	50%	17%	0%	17%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	24	260	LD	25	50	23	79	1	0.330	2.058	0.012	0.077	0.011	0.070
50	21	50%	15%	0%	20%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	20	260	LD	25	50	23	80	1	0.311	1.616	0.012	0.064	0.011	0.058
50	22	50%	15%	0%	20%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	20	260	LD	25	50	23	81	1	0.310	1.610	0.012	0.064	0.011	0.058
50	23	44%	19%	0%	19%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	16	260	LD	25	50	23	81	1	0.353	1.470	0.013	0.053	0.012	0.048
51	0	13%	38%	0%	11%	5%	4%	11%	18%	0%	0%	2%	0%	0%	0%	0%	0%	56	120	LD	25	50	23	82	1	0.703	4.726	0.029	0.192	0.026	0.176
51	1	13%	39%	0%	10%	7%	3%	10%	19%	0%	0%	0%	0%	0%	0%	0%	0%	31	120	LD	25	50	22	82	1	0.695	2.584	0.026	0.097	0.024	0.090
51	2	11%	33%	0%	11%	6%	6%	11%	22%	0%	0%	0%	0%	0%	0%	0%	0%	18	120	LD	25	50	22	83	1	0.753	1.626	0.030	0.065	0.028	0.060
51	3	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	0.775	1.580	0.032	0.065	0.029	0.060
51	4	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	0.775	1.580	0.032	0.065	0.029	0.060
51	5	13%	25%	0%	13%	6%	6%	13%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	120	LD	25	50	22	83	1	0.799	1.534	0.034	0.065	0.031	0.060
51	6	12%	16%	0%	12%	8%	4%	14%	26%	2%	2%	2%	2%	2%	0%	0%	0%	51	120	LD	25	50	22	83	1	0.920	5.630	0.045	0.276	0.041	0.254
51	7	12%	14%	0%	14%	7%	5%	15%	27%	1%	1%	2%	1%	1%	0%	0%	1%	89	120	LD	25	50	22	82	1	0.902	9.633	0.044	0.466	0.040	0.429
51	8	12%	7%	0%	13%	8%	6%	16%	30%	2%	1%	2%	2%	2%	0%	0%	1%	107	120	LD	24	50	23	79	1	1.000	12.836	0.050	0.647	0.046	0.595
51	9	12%	16%	0%	13%	7%	5%	14%	26%	1%	1%	2%	1%	1%	0%	0%	1%	100	120	LD	24	50	23	77	1	0.908	10.899	0.043	0.513	0.039	0.472
51	10	12%	23%	0%	12%	7%	4%	13%	23%	1%	1%	1%	1%	1%	0%	0%	1%	100	120	LD	24	50	24	74	1	0.852	10.219	0.038	0.458	0.035	0.421
51	11	12%	29%	0%	12%	6%	4%	12%	20%	1%	1%	1%	1%	1%	0%	0%	1%	101	120	LD	24	50	25	72	1	0.801	9.714	0.035	0.424	0.032	0.390
51	12	12%	34%	0%	11%	6%	3%	11%	19%	1%	1%	1%	1%	1%	0%	0%	1%	119	120	LD	24	50	25	71	1	0.762	10.887	0.032	0.453	0.029	0.416
51	13	12%	38%	0%	11%	5%	3%	10%	16%	1%	1%	1%	1%	1%	0%	0%	1%	130	120	LD	24	50	25	71	1	0.730	11.385	0.029	0.457	0.027	0.421
51	14	12%	41%	0%	10%	6%	3%	10%	14%	1%	1%	1%	1%	1%	0%	0%	1%	140	120	LD	24	50	25	71	1	0.717	12.050	0.028	0.462	0.025	0.425
51	15	12%	44%	0%	10%	6%	3%	9%	13%	1%	1%	1%	1%	1%	0%	0%	1%	164	120	LD	24	50	25	72	1	0.692	13.620	0.025	0.501	0.023	0.461
51	16	12%	47%	0%	9%	6%	3%	9%	12%	1%	1%	1%	1%	1%	0%	0%	1%	172	120	LD	24	50	24	74	1	0.684	14.125	0.024	0.499	0.022	0.459
51	17	12%	50%	0%	9%	6%	3%	8%	11%	1%	0%	1%	1%	1%	0%	0%	1%	196	120	LD	23	50	24	76	1	0.667	15.692	0.023	0.531	0.021	0.489
51	18	12%	48%	0%	9%	6%	3%	9%	11%	1%	0%	1%	1%	1%	0%	0%	1%	177	120	LD	24	50	23	77	1	0.679	14.428	0.023	0.498	0.022	0.458
51	19	12%	47%	0%	10%	5%	3%	9%	12%	1%	0%	1%	1%	1%	0%	0%	1%	142	120	LD	24	50	23	78	1	0.678	11.556	0.024	0.414	0.022	0.381
51	20	12%	45%	0%	10%	6%	3%	9%	13%	0%	0%	1%	0%	0%	0%	0%	1%	108	120	LD	24	50	23	79	1	0.672	8.709	0.023	0.304	0.022	0.280
51	21	12%	44%	0%	9%	6%	3%	9%	15%	0%	0%	1%	0%	0%	0%	0%	1%	89	120	LD	25	50	23	80	1	0.659	7.042	0.024	0.257	0.022	0.236
51	22	13%	42%	0%	9%	6%	4%	9%	15%	0%	0%	1%	0%	0%	0%	0%	1%	86	120	LD	25	50	23	81	1	0.667	6.879	0.025	0.257	0.023	0.237
51	23	11%	41%	0%	10%	6%	3%	10%	17%	0%	0%	1%	0%	0%	0%	0%	0%	70	120	LD	25	50	23	81	1	0.685	5.757	0.026	0.222	0.024	0.205
52	0	27%	19%	0%	12%	8%	4%	12%	9%	2%	2%	1%	1%	1%	0%	2%	2%	131	120	LD	24	50	23	82	1	0.809	12.720	0.031	0.493	0.029	0.454
52	1	26%	21%	0%	13%	7%	4%	11%	9%	3%	3%	0%	0%	0%	0%	3%	1%	76	120	LD	25	50	22	82	1	0.754	6.877	0.027	0.242	0.024	0.223
52	2	26%	22%	0%	12%	8%	4%	12%	10%	2%	2%	0%	0%	0%	0%	2%	2%	51	120	LD	25	50	22	83	1	0.765	4.681	0.027	0.168	0.025	0.155
52	3	25%	23%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	52	120	LD	25	50	22	83	1	0.820	5.115	0.027	0.170	0.025	0.157
52	4	24%	24%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	51	120	LD	25	50	22	83	1	0.840	5.138	0.028	0.171	0.026	0.157
52	5	22%	24%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	50	120	LD	25	50	22	83	1	0.856	5.135	0.028	0.170	0.026	0.156
52	6	21%	24%	0%	12%	7%	4%	12%	10%	3%	2%	1%	1%	1%	0%	3%	1%	155	120	LD	24	50	22	83	1	0.889	16.537	0.031	0.585	0.029	0.538
52	7	19%	25%	0%	12%	7%	5%	12%	10%	2%	2%	1%	0%	0%	0%	4%	1%	286	120	LD	22	50	22	82	1	0.978	33.574	0.032	1.100	0.029	1.012
52	8	18%	25%	0%	11%	7%	4%	13%	10%	3%	2%	1%	1%	1%	0%	4%	1%	364	120	LD	20	50	23	79	1	1.046	45.671	0.034	1.475	0.031	1.359
52	9	20%	24%	0%	12%	7%	5%	12%	10%	2%	2%	1%	0%	0%	0%	4%	1%	310	120	LD	21	50	23	77	1	0.992	36.896	0.033	1.210	0.030	1.113
52	10	22%	23%	0%	12%	7%	4%	12%	10%	2%	2%	1%	0%	0%	0%	4%	1%	288	120	LD	22	50	24	74	1	0.938	32.428	0.032	1.093	0.029	1.005
52	11	24%	22%	0%	12%	7%	4%	12%	9%	2%	2%	0%	0%	0%	0%	3%	1%	259	120	LD	22	50	25	72	1	0.914	28.401	0.032	0.980	0.029	0.901
52	12	25%	20%	0%	12%	7%	4%	12%	9%	2%	2%	1%	0%	0%	0%	3%	1%	287	120	LD	22	50	25	71	1	0.879	30.276	0.031	1.067	0.029	0.982
52	13	27%	19%	0%	12%	7%	4%	11%	9%	2%	2%	1%	0%	0%	0%	2%	2%	287	120	LD	22	50	25	71	1	0.844	29.067	0.030	1.042	0.028	0.958
52	14	28%	18%	0%	13%	7%	4%	11%	9%	2%	2%	1%	0%	0%	0%	2%	2%	286	120	LD	22	50	25	71	1	0.811	27.838	0.030	1.022	0.027	0.940
52	15	30%	17%	0%	13%	7%	4%	11%	9%	2%	2%	1%	0%	0%	0%	2%	2%	313	120	LD	21	50	25	72	1	0.807	30.314	0.030	1.130	0.028	1.039
52	16	32%	16%	0%	13%	7%	4%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	313	120	LD	21	50	24	74	1	0.785	29.500	0.029	1.108	0.027	1.018
52	17	34%	15%	0%	13%	8%	4%	10%	9%	2%	2%	1%	0%	0%	0%	2%	2%	338	120	LD	21	50	24	76	1	0.763	30.946	0.029	1.191	0.027	1.094
52	18	33%	15%	0%	13%	7%	4%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	313	120	LD	21	50	23	77	1	0.785	29.491	0.029	1.104	0.027	1.015
52	19	32%	16%	0%	13%	8%	4%	10%	9%	2%	2%	0%	0%	0%	0%	2%	2%	260	120	LD	22	50	23	78	1	0.773	24.114	0.029	0.909	0.027	0.837
52	20	31%	17%	1%	13%	8%	3%	10%	9%	2%	2%	1%	1%	1%	0%	2%	2%	206	120	LD	23	50	23	79	1	0.761	18.814	0.029	0.722	0.027	0.665
52	21	30%	18%	1%	13%	8%	3%	10%	9%	2%	2%	1%	1%	1%	0%	2%	2%	182	120	LD	23	50	23	80	1	0.777	16.962	0.029	0.640	0.027	0.590
52	22	29%	18%	1%	12%	8%	4%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	181	120	LD	23	50	23	81	1	0.794	17.240	0.030	0.655	0.028	0.603
52	23	27%	19%	0%	12%	8%	4%	11%	9%	3%	2%	1%	1%	1%	0%	3%	2%	158	120	LD	24	50	23	81	1	0.794	15.052	0.030	0.567	0.028	0.522

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
1	0	37%	11%	1%	20%	12%	1%	3%	0%	1%	1%	1%	1%	1%	1%	4%	7%	214	230	EX	70	70	23	82	0	0.194	9.557	0.011	0.531	0.010	0.488
1	1	38%	12%	1%	20%	13%	1%	3%	0%	2%	1%	0%	0%	0%	0%	4%	6%	126	230	EX	70	70	22	82	0	0.191	5.538	0.009	0.259	0.008	0.238
1	2	38%	10%	0%	22%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	81	230	EX	70	70	22	83	0	0.188	3.507	0.009	0.173	0.009	0.159
1	3	38%	10%	0%	22%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	82	230	EX	70	70	22	83	0	0.190	3.584	0.009	0.175	0.009	0.161
1	4	37%	10%	0%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	82	230	EX	70	70	22	83	0	0.193	3.632	0.009	0.179	0.009	0.164
1	5	36%	11%	1%	21%	13%	1%	3%	0%	1%	1%	0%	0%	0%	0%	4%	8%	123	230	EX	70	70	22	83	0	0.198	5.609	0.009	0.258	0.008	0.237
1	6	36%	10%	0%	22%	13%	1%	3%	0%	1%	1%	0%	0%	0%	0%	4%	8%	245	230	EX	70	70	22	83	0	0.202	11.370	0.009	0.535	0.009	0.492
1	7	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	409	230	EX	70	70	22	82	0	0.204	19.226	0.010	0.923	0.009	0.849
1	8	34%	10%	1%	23%	14%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	9%	531	230	EX	70	70	23	79	0	0.203	24.779	0.010	1.194	0.009	1.098
1	9	35%	10%	1%	22%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	538	230	EX	70	70	23	77	0	0.204	25.264	0.010	1.277	0.009	1.175
1	10	35%	10%	1%	21%	13%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	8%	500	230	EX	70	70	24	74	0	0.200	23.028	0.010	1.180	0.009	1.085
1	11	36%	11%	0%	21%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	460	230	EX	70	70	25	72	0	0.197	20.844	0.010	1.072	0.009	0.986
1	12	37%	11%	0%	20%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	467	230	EX	70	70	25	71	0	0.197	21.115	0.010	1.114	0.010	1.025
1	13	38%	12%	0%	20%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	471	230	EX	70	70	25	71	0	0.194	21.049	0.010	1.111	0.009	1.022
1	14	39%	12%	0%	19%	11%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	474	230	EX	70	70	25	71	0	0.193	21.034	0.010	1.133	0.010	1.043
1	15	39%	12%	0%	19%	11%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	6%	518	230	EX	70	70	25	72	0	0.190	22.657	0.011	1.269	0.010	1.168
1	16	40%	13%	0%	18%	11%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	5%	566	230	EX	70	70	24	74	0	0.190	24.761	0.010	1.363	0.010	1.255
1	17	41%	13%	0%	17%	10%	1%	4%	0%	2%	1%	1%	0%	1%	0%	4%	5%	570	230	EX	70	70	24	76	0	0.187	24.561	0.011	1.380	0.010	1.270
1	18	40%	13%	0%	18%	11%	1%	4%	0%	2%	1%	1%	0%	0%	0%	4%	5%	481	230	EX	70	70	23	77	0	0.192	21.261	0.011	1.173	0.010	1.080
1	19	39%	13%	1%	18%	11%	1%	4%	0%	2%	1%	1%	1%	1%	0%	4%	5%	396	230	EX	70	70	23	78	0	0.195	17.772	0.011	0.997	0.010	0.918
1	20	39%	13%	1%	18%	11%	1%	4%	0%	1%	1%	1%	0%	0%	0%	4%	6%	345	230	EX	70	70	23	79	0	0.194	15.409	0.010	0.823	0.010	0.757
1	21	39%	12%	0%	19%	11%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	300	230	EX	70	70	23	80	0	0.193	13.287	0.010	0.710	0.009	0.653
1	22	38%	12%	0%	19%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	6%	260	230	EX	70	70	23	81	0	0.195	11.638	0.011	0.639	0.010	0.588
1	23	38%	12%	0%	19%	12%	1%	4%	0%	1%	1%	0%	0%	0%	0%	4%	7%	259	230	EX	70	70	23	81	0	0.197	11.726	0.011	0.645	0.010	0.594
2	0	40%	10%	0%	18%	10%	1%	3%	0%	3%	3%	1%	0%	0%	0%	3%	6%	226	420	EX	70	70	23	82	0	0.179	17.029	0.010	0.996	0.010	0.917
2	1	41%	10%	1%	17%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	3%	5%	134	420	EX	70	70	22	82	0	0.177	9.981	0.011	0.601	0.010	0.553
2	2	41%	11%	0%	18%	9%	1%	3%	0%	3%	2%	1%	1%	1%	0%	3%	6%	91	420	EX	70	70	22	83	0	0.182	6.970	0.012	0.459	0.011	0.422
2	3	42%	11%	0%	17%	9%	1%	3%	0%	3%	2%	1%	1%	1%	0%	3%	4%	90	420	EX	70	70	22	83	0	0.178	6.736	0.012	0.453	0.011	0.417
2	4	41%	12%	0%	16%	9%	1%	3%	0%	3%	3%	1%	1%	1%	0%	3%	4%	92	420	EX	70	70	22	83	0	0.183	7.065	0.012	0.472	0.011	0.434
2	5	42%	12%	0%	15%	9%	2%	3%	1%	4%	3%	1%	1%	1%	0%	3%	4%	137	420	EX	70	70	22	83	0	0.174	10.031	0.011	0.615	0.010	0.566
2	6	43%	13%	0%	14%	8%	1%	4%	0%	4%	3%	1%	1%	1%	0%	3%	5%	280	420	EX	70	70	22	83	0	0.179	21.046	0.011	1.284	0.010	1.182
2	7	43%	13%	0%	13%	8%	1%	4%	0%	4%	3%	1%	1%	1%	0%	3%	5%	470	420	EX	70	70	22	82	0	0.181	35.730	0.011	2.169	0.010	1.997
2	8	43%	14%	0%	13%	8%	1%	4%	1%	4%	3%	1%	1%	1%	0%	3%	4%	611	420	EX	70	70	23	79	0	0.178	45.647	0.011	2.731	0.010	2.515
2	9	43%	13%	0%	14%	8%	1%	3%	1%	4%	3%	1%	1%	1%	0%	3%	5%	609	420	EX	70	70	23	77	0	0.180	45.955	0.011	2.709	0.010	2.494
2	10	42%	12%	0%	15%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	3%	5%	556	420	EX	70	70	24	74	0	0.180	42.124	0.011	2.484	0.010	2.286
2	11	41%	11%	0%	16%	9%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	5%	508	420	EX	70	70	25	72	0	0.181	38.555	0.011	2.364	0.010	2.176
2	12	41%	10%	0%	17%	10%	1%	3%	0%	4%	3%	1%	1%	1%	0%	4%	5%	504	420	EX	70	70	25	71	0	0.184	38.889	0.011	2.376	0.010	2.187
2	13	40%	9%	0%	17%	10%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	501	420	EX	70	70	25	71	0	0.185	38.994	0.011	2.389	0.010	2.198
2	14	39%	9%	0%	18%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	495	420	EX	70	70	25	71	0	0.186	38.662	0.011	2.351	0.010	2.163
2	15	39%	8%	0%	19%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	534	420	EX	70	70	25	72	0	0.187	41.961	0.011	2.552	0.010	2.348
2	16	38%	6%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	576	420	EX	70	70	24	74	0	0.190	46.005	0.011	2.725	0.010	2.507
2	17	37%	6%	1%	21%	13%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	572	420	EX	70	70	24	76	0	0.190	45.634	0.011	2.729	0.010	2.511
2	18	37%	6%	0%	21%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	486	420	EX	70	70	23	77	0	0.193	39.490	0.012	2.363	0.011	2.174
2	19	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	397	420	EX	70	70	23	78	0	0.193	32.160	0.011	1.892	0.010	1.741
2	20	38%	7%	1%	20%	12%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	6%	357	420	EX	70	70	23	79	0	0.193	28.934	0.012	1.745	0.011	1.606
2	21	39%	8%	0%	19%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	4%	7%	309	420	EX	70	70	23	80	0	0.186	24.191	0.011	1.449	0.010	1.334
2	22	39%	9%	0%	19%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	269	420	EX	70	70	23	81	0	0.188	21.232	0.011	1.247	0.010	1.147
2	23	40%	9%	0%	18%	11%	1%	3%	0%	3%	3%	1%	0%	1%	0%	4%	6%	271	420	EX	70	70	23	81	0	0.189	21.463	0.011	1.261	0.010	1.160
3	0	36%	17%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	800	530	EX	70	70	23	82	0	0.196	83.018	0.013	5.667	0.012	5.214
3	1	36%	18%	0%	13%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	482	530	EX	70	70	22	82	0	0.200	51.212	0.013	3.425	0.012	3.151
3	2	36%	18%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	5%	318	530	EX	70	70	22	83	0	0.197	33.133	0.013	2.167	0.012	1.994
3	3	36%	19%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	320	530	EX	70	70	22	83	0	0.198	33.509	0.014	2.297	0.012	2.114
3	4	36%	19%	0%	13%	8%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	320	530	EX	70	70	22	83	0	0.198	33.527	0.014	2.295	0.012	2.112
3	5	36%	19%	0%	12%	7%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	5%	492	530	EX	70	70	22	83	0	0.201	52.373	0.013	3.497	0.012	3.218
3	6	36%	20%	0%	11%	7%	3%	7%	0%	3%	2%	2%	1%	1%	0%	3%	4%	990	530	EX	70	70	22	83	0	0.202	105.744	0.014	7.492	0.013	6.895
3	7	36%	20%	0%	11%	7%	3%	7%	0%	3%	3%	1%	1%	1%	0%	3%	4%	1663	530	EX	69	70	22	82	0	0.204	179.673	0.014	12.587	0.013	11.570
3	8	36%	20%	0%	11%	6%	3%	7%	0%	3%	3%	2%	1%	1%	0%	3%	4%	2173	530	EX	64	70	23	79	0	0.205	235.932	0.013	15.516	0.012	14.295
3	9	36%	20%	0%	11%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	2151	530	EX	64	70	23	77	0	0.205	234.238	0.013	15.028	0.012	13.847
3	10	36%	19%	0%	12%	7%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1974	530	EX	66	70	24	74	0	0.203	212.192	0.013	14.099	0.012	12.996
3	11	36%	19%	0%	13%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1796	530	EX	68	70	25	72	0	0.198	188.475	0.013	12.766	0.012	11.730
3	12	35%	18%	0%	14%	8%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1789	530	EX	68	70	25	71	0	0.200	189.629	0.013	12.667	0.012	11.638
3	13	36%	17%	0%	14%	9%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1757	530	EX	68	70	25	71	0	0.198	184.433	0.013	12.286	0.012	11.288
3	14	36%	16%	0%	15%	9%	3%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	1745	530	EX	69	70	25	71	0	0.197	182.623	0.013	12.047	0.012	11.073
3	15	35%	16%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1889	530	EX	67	70	25	72	0	0.197	196.782	0.012	12.402	0.011	11.403
3	16	35%	15%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	2018	530	EX	66	70	24	74	0	0.198	211.288	0.012	12.689	0.011	11.695
3	17	35%	14%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1993	530	EX	66	70	24	76	0	0.196	206.854	0.012	12.529	0.011	11.548
3	18	36%	15%	0%	17%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1690	530	EX	69	70	23	77	0	0.198	176.954	0.012	10.949	0.011	10.063
3	19	36%	15%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1389	530	EX	70	70	23	78	0	0.197	145.351	0.013	9.216	0.012	8.479
3	20	36%	16%	0%	16%	10%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	1245	530	EX	70	70	23	79	0	0.196	129.552	0.013	8.426	0.012	7.753
3	21	36%	16%	0%	16%	9%	2%	7%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1105	530	EX	70	70	23	80	0	0.195	114.482	0.013	7.442	0.012	6.848
3	22	36%	17%	0%	15%	9%	3%	7%	0%	2%	2%	1%	1%	1%	0%	3%	5%	940	530	EX	70	70	23	81	0	0.195	96.957	0.013	6.373	0.012	5.864
3	23	36%	17%	0%	15%	9%	2%	7%	0%	3%	2%	1%	1%	1%	0%	3%	4%	945	530	EX	70	70	23	81	0	0.194	97.320	0.013	6.434	0.012	5.920
4	0	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	736	360	EX	70	70	23	82	0	0.210	55.567	0.013	3.448	0.012	3.172
4	1	35%	18%	0%	16%	9%	3%	7%	0%	1%	1%	1%	0%	0%	0%	4%	5%	448	360	EX	70	70	22	82	0	0.212	34.255	0.013	2.061	0.012	1.897
4	2	34%	19%	0%	16%	9%	2%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	295	360	EX	70	70	22	83	0	0.213	22.599	0.013	1.336	0.012	1.229
4	3	33%	19%	0%	16%	9%	2%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	296	360	EX	70	70	22	83	0	0.214	22.763	0.013	1.340	0.012	1.233
4	4	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	4%	5%	300	360	EX	70	70	22	83	0	0.216	23.275	0.013	1.358	0.012	1.250
4	5	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	4%	4%	451	360	EX	70	70	22	83	0	0.213	34.599	0.012	2.024	0.011	1.862
4	6	32%	20%	0%	16%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	907	360	EX	70	70	22	83	0	0.215	70.241	0.013	4.185	0.012	3.850
4	7	32%	20%	0%	17%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1526	360	EX	70	70	22	82	0	0.215	117.975	0.013	6.921	0.012	6.366
4	8	31%	20%	0%	17%	10%	3%	9%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1997	360	EX	66	70	23	79	0	0.216	155.064	0.012	8.686	0.011	8.005
4	9	32%	20%	0%	17%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1975	360	EX	66	70	23	77	0	0.218	154.949	0.012	8.706	0.011	8.023
4	10	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	0%	0%	0%	0%	3%	4%	1808	360	EX	67	70	24	74	0	0.214	139.038	0.012	7.964	0.011	7.323
4	11	33%	19%	0%	16%	10%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	1650	360	EX	69	70	25	72	0	0.211	125.189	0.013	7.533	0.012	6.924
4	12	34%	19%	0%	16%	9%	3%	8%	0%	1%	1%	1%	0%	0%	0%	4%	5%	1636	360	EX	69	70	25	71	0	0.210	123.769	0.013	7.471	0.012	6.867
4	13	34%	18%	0%	16%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1634	360	EX	69	70	25	71	0	0.211	124.046	0.013	7.537	0.012	6.928
4	14	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1627	360	EX	69	70	25	71	0	0.211	123.337	0.013	7.669	0.012	7.049
4	15	36%	17%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1763	360	EX	68	70	25	72	0	0.212	134.357	0.013	8.393	0.012	7.710
4	16	36%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1893	360	EX	67	70	24	74	0	0.214	145.724	0.013	8.934	0.012	8.213
4	17	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1884	360	EX	67	70	24	76	0	0.211	143.127	0.013	8.801	0.012	8.091
4	18	37%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1590	360	EX	70	70	23	77	0	0.214	122.729	0.014	7.742	0.012	7.125
4	19	36%	17%	0%	15%	9%	2%	6%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1307	360	EX	70	70	23	78	0	0.214	100.602	0.014	6.418	0.013	5.906
4	20	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1164	360	EX	70	70	23	79	0	0.211	88.599	0.013	5.456	0.012	5.020
4	21	36%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	1023	360	EX	70	70	23	80	0	0.211	77.827	0.013	4.815	0.012	4.431
4	22	35%	18%	0%	15%	9%	2%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	876	360	EX	70	70	23	81	0	0.209	65.913	0.013	4.111	0.012	3.783
4	23	35%	18%	0%	15%	9%	3%	7%	0%	1%	1%	1%	1%	1%	0%	4%	5%	879	360	EX	70	70	23	81	0	0.210	66.488	0.013	4.149	0.012	3.817
5	0	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	506	230	PD	40	50	23	82	0	0.271	31.559	0.012	1.445	0.011	1.332
5	1	34%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	306	230	PD	40	50	22	82	0	0.273	19.198	0.012	0.879	0.012	0.811
5	2	33%	22%	1%	15%	9%	3%	10%	0%	1%	1%	1%	1%	1%	0%	4%	3%	200	230	PD	40	50	22	83	0	0.269	12.352	0.012	0.555	0.011	0.512
5	3	32%	22%	1%	14%	9%	3%	10%	0%	1%	1%	1%	1%	1%	0%	4%	3%	201	230	PD	40	50	22	83	0	0.270	12.459	0.012	0.557	0.011	0.514
5	4	32%	23%	1%	14%	9%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	201	230	PD	40	50	22	83	0	0.266	12.282	0.012	0.557	0.011	0.514
5	5	32%	23%	1%	14%	9%	3%	10%	0%	1%	1%	1%	1%	1%	0%	3%	3%	201	230	PD	40	50	22	83	0	0.266	12.282	0.012	0.557	0.011	0.514
5	6	31%	23%	0%	14%	8%	4%	11%	0%	1%	1%	1%	0%	0%	0%	3%	3%	622	230	PD	40	50	22	83	0	0.276	39.447	0.012	1.776	0.011	1.637
5	7	31%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1139	230	PD	37	50	22	82	0	0.282	73.863	0.012	3.202	0.011	2.952
5	8	30%	23%	0%	15%	9%	4%	11%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1463	230	PD	34	50	23	79	0	0.289	97.412	0.012	4.171	0.011	3.840
5	9	31%	23%	0%	15%	9%	4%	10%	0%	1%	1%	0%	0%	0%	0%	3%	3%	1243	230	PD	36	50	23	77	0	0.285	81.530	0.012	3.509	0.011	3.227
5	10	32%	23%	0%	14%	9%	3%	10%	0%	1%	1%	1%	0%	0%	0%	3%	3%	1132	230	PD	37	50	24	74	0	0.281	73.043	0.012	3.202	0.011	2.952
5	11	32%	22%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	3%	1025	230	PD	37	50	25	72	0	0.279	65.659	0.012	2.945	0.012	2.715
5	12	33%	22%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1118	230	PD	37	50	25	71	0	0.281	72.306	0.012	3.188	0.011	2.938
5	13	33%	21%	0%	14%	8%	3%	9%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1126	230	PD	37	50	25	71	0	0.282	73.100	0.013	3.301	0.012	3.042
5	14	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1116	230	PD	37	50	25	71	0	0.282	72.330	0.013	3.254	0.012	2.999
5	15	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	1222	230	PD	36	50	25	72	0	0.284	79.821	0.013	3.685	0.012	3.390
5	16	35%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1213	230	PD	36	50	24	74	0	0.290	80.779	0.013	3.698	0.012	3.401
5	17	36%	18%	0%	13%	8%	2%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1311	230	PD	35	50	24	76	0	0.291	87.664	0.014	4.116	0.013	3.787
5	18	35%	19%	0%	13%	8%	3%	7%	0%	1%	1%	1%	1%	1%	0%	5%	5%	1203	230	PD	36	50	23	77	0	0.291	80.604	0.013	3.646	0.012	3.353
5	19	35%	19%	0%	13%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	998	230	PD	38	50	23	78	0	0.283	64.885	0.013	2.942	0.012	2.712
5	20	35%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	5%	4%	800	230	PD	39	50	23	79	0	0.279	51.407	0.013	2.335	0.012	2.153
5	21	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	703	230	PD	40	50	23	80	0	0.274	44.340	0.013	2.027	0.012	1.869
5	22	34%	20%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	701	230	PD	40	50	23	81	0	0.274	44.107	0.013	2.022	0.012	1.864
5	23	34%	21%	0%	14%	8%	3%	8%	0%	1%	1%	1%	1%	1%	0%	4%	4%	604	230	PD	40	50	23	81	0	0.272	37.789	0.012	1.728	0.011	1.594
6	0	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	554	320	PD	40	50	23	82	0	0.249	44.059	0.012	2.167	0.011	1.999
6	1	34%	21%	0%	13%	7%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	329	320	PD	40	50	22	82	0	0.253	26.601	0.012	1.307	0.011	1.205
6	2	34%	21%	1%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	4%	218	320	PD	40	50	22	83	0	0.247	17.225	0.013	0.875	0.012	0.807
6	3	34%	22%	1%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	3%	218	320	PD	40	50	22	83	0	0.247	17.253	0.013	0.872	0.012	0.805
6	4	34%	23%	1%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	3%	217	320	PD	40	50	22	83	0	0.248	17.255	0.012	0.867	0.012	0.799
6	5	34%	22%	1%	11%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	2%	4%	219	320	PD	40	50	22	83	0	0.250	17.551	0.013	0.880	0.012	0.812
6	6	34%	23%	0%	11%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	663	320	PD	40	50	22	83	0	0.261	55.327	0.013	2.828	0.012	2.607
6	7	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1220	320	PD	36	50	22	82	0	0.275	107.510	0.014	5.434	0.013	4.999
6	8	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1565	320	PD	34	50	23	79	0	0.281	140.600	0.014	7.146	0.013	6.578
6	9	33%	23%	0%	10%	6%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1334	320	PD	35	50	23	77	0	0.276	117.723	0.014	5.922	0.013	5.449

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
6	10	34%	22%	0%	11%	7%	3%	9%	0%	3%	2%	2%	1%	1%	0%	3%	4%	1228	320	PD	36	50	24	74	0	0.269	105.773	0.014	5.339	0.012	4.911
6	11	34%	21%	0%	12%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1114	320	PD	37	50	25	72	0	0.262	93.267	0.013	4.696	0.012	4.327
6	12	34%	21%	0%	13%	7%	3%	9%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1232	320	PD	36	50	25	71	0	0.264	104.122	0.013	5.209	0.012	4.791
6	13	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1216	320	PD	36	50	25	71	0	0.260	101.223	0.013	4.971	0.012	4.572
6	14	34%	20%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1219	320	PD	36	50	25	71	0	0.259	101.127	0.013	4.886	0.012	4.494
6	15	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1329	320	PD	36	50	25	72	0	0.254	108.071	0.012	5.121	0.011	4.710
6	16	34%	18%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1324	320	PD	36	50	24	74	0	0.256	108.400	0.012	5.074	0.011	4.667
6	17	35%	18%	0%	16%	9%	3%	8%	0%	2%	2%	1%	0%	0%	0%	2%	4%	1420	320	PD	35	50	24	76	0	0.251	114.056	0.012	5.299	0.011	4.877
6	18	35%	18%	0%	16%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1309	320	PD	36	50	23	77	0	0.257	107.607	0.012	4.953	0.011	4.556
6	19	35%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	1093	320	PD	37	50	23	78	0	0.253	88.554	0.012	4.118	0.011	3.796
6	20	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	883	320	PD	39	50	23	79	0	0.248	69.944	0.012	3.340	0.011	3.082
6	21	34%	19%	0%	15%	9%	3%	8%	0%	2%	2%	1%	1%	1%	0%	2%	4%	781	320	PD	40	50	23	80	0	0.243	60.758	0.012	2.941	0.011	2.712
6	22	34%	20%	0%	14%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	764	320	PD	40	50	23	81	0	0.244	59.632	0.012	2.934	0.011	2.706
6	23	34%	20%	0%	13%	8%	3%	8%	0%	2%	2%	1%	1%	1%	0%	3%	4%	660	320	PD	40	50	23	81	0	0.249	52.601	0.012	2.599	0.011	2.397
7	0	31%	21%	0%	14%	9%	4%	10%	0%	2%	1%	1%	1%	1%	0%	3%	4%	388	110	DD	29	50	23	82	1	0.307	13.086	0.014	0.587	0.013	0.542
7	1	32%	22%	0%	14%	8%	3%	10%	0%	2%	1%	0%	0%	0%	0%	2%	4%	230	110	DD	29	50	22	82	1	0.298	7.536	0.013	0.331	0.012	0.305
7	2	32%	22%	0%	14%	8%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	155	110	DD	30	50	22	83	1	0.299	5.098	0.014	0.233	0.013	0.214
7	3	32%	23%	0%	13%	8%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	155	110	DD	30	50	22	83	1	0.300	5.115	0.014	0.232	0.013	0.213
7	4	33%	23%	0%	12%	7%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	154	110	DD	30	50	22	83	1	0.300	5.081	0.014	0.229	0.012	0.211
7	5	33%	23%	0%	12%	7%	3%	10%	0%	2%	1%	1%	1%	1%	0%	3%	3%	154	110	DD	30	50	22	83	1	0.300	5.081	0.014	0.229	0.012	0.211
7	6	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	0%	0%	0%	3%	4%	467	110	DD	28	50	22	83	1	0.326	16.768	0.014	0.713	0.013	0.656
7	7	32%	24%	0%	11%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	860	110	DD	26	50	22	82	1	0.339	32.028	0.014	1.371	0.013	1.262
7	8	32%	25%	0%	10%	6%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	1095	110	DD	24	50	23	79	1	0.355	42.752	0.015	1.810	0.014	1.669
7	9	32%	24%	0%	11%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	938	110	DD	25	50	23	77	1	0.348	35.891	0.015	1.523	0.014	1.401
7	10	32%	23%	0%	12%	7%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	860	110	DD	26	50	24	74	1	0.334	31.615	0.015	1.377	0.013	1.268
7	11	32%	23%	0%	13%	8%	4%	10%	0%	2%	2%	1%	0%	1%	0%	3%	4%	777	110	DD	26	50	25	72	1	0.325	27.742	0.014	1.220	0.013	1.123
7	12	32%	22%	0%	14%	8%	4%	10%	0%	2%	2%	1%	1%	1%	0%	3%	4%	855	110	DD	26	50	25	71	1	0.325	30.527	0.014	1.358	0.013	1.250
7	13	31%	21%	0%	14%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	3%	4%	855	110	DD	26	50	25	71	1	0.321	30.198	0.014	1.340	0.013	1.233
7	14	31%	21%	0%	15%	9%	4%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	855	110	DD	26	50	25	71	1	0.317	29.849	0.014	1.334	0.013	1.228
7	15	31%	20%	0%	16%	9%	3%	10%	0%	2%	2%	1%	0%	0%	0%	2%	4%	932	110	DD	25	50	25	72	1	0.317	32.483	0.014	1.453	0.013	1.337
7	16	31%	19%	0%	17%	10%	3%	10%	0%	2%	2%	0%	0%	0%	0%	2%	4%	932	110	DD	25	50	24	74	1	0.319	32.697	0.014	1.453	0.013	1.337
7	17	31%	18%	0%	18%	10%	3%	9%	0%	2%	2%	0%	0%	0%	0%	2%	4%	1008	110	DD	25	50	24	76	1	0.315	34.923	0.014	1.577	0.013	1.451
7	18	31%	19%	0%	17%	10%	3%	10%	0%	2%	2%	0%	0%	0%	0%	2%	4%	931	110	DD	25	50	23	77	1	0.320	32.728	0.014	1.452	0.013	1.336
7	19	31%	19%	0%	17%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	778	110	DD	26	50	23	78	1	0.317	27.126	0.014	1.215	0.013	1.118
7	20	31%	20%	0%	16%	10%	3%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	619	110	DD	27	50	23	79	1	0.312	21.262	0.014	0.940	0.013	0.866
7	21	31%	20%	0%	15%	9%	4%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	544	110	DD	28	50	23	80	1	0.306	18.297	0.014	0.828	0.013	0.761
7	22	31%	21%	0%	15%	9%	4%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	542	110	DD	28	50	23	81	1	0.304	18.141	0.014	0.822	0.013	0.756
7	23	31%	21%	0%	15%	9%	4%	10%	0%	2%	1%	1%	0%	0%	0%	2%	4%	469	110	DD	28	50	23	81	1	0.304	15.683	0.014	0.706	0.013	0.650
8	0	32%	22%	0%	14%	8%	3%	8%	2%	2%	1%	1%	0%	0%	0%	4%	4%	568	260	DD	27	50	23	82	1	0.325	47.980	0.014	2.012	0.013	1.852
8	1	32%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	340	260	DD	29	50	22	82	1	0.320	28.296	0.013	1.152	0.012	1.063
8	2	31%	23%	0%	14%	8%	3%	8%	2%	2%	1%	0%	0%	0%	0%	3%	3%	227	260	DD	29	50	22	83	1	0.317	18.714	0.013	0.780	0.012	0.719
8	3	31%	23%	0%	14%	8%	3%	8%	2%	2%	1%	0%	0%	0%	0%	3%	3%	228	260	DD	29	50	22	83	1	0.311	18.420	0.013	0.776	0.012	0.716
8	4	31%	24%	0%	14%	8%	3%	8%	2%	2%	1%	0%	0%	0%	0%	3%	3%	228	260	DD	29	50	22	83	1	0.312	18.522	0.013	0.775	0.012	0.715
8	5	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	0%	0%	0%	0%	3%	3%	230	260	DD	29	50	22	83	1	0.314	18.750	0.013	0.789	0.012	0.728
8	6	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	0%	0%	0%	0%	3%	3%	692	260	DD	27	50	22	83	1	0.332	59.805	0.014	2.468	0.013	2.272
8	7	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	1%	0%	0%	0%	3%	2%	1271	260	DD	23	50	22	82	1	0.368	121.476	0.015	4.907	0.014	4.526
8	8	29%	25%	0%	14%	8%	3%	9%	2%	2%	1%	0%	0%	0%	0%	3%	2%	1620	260	DD	14	50	23	79	1	0.465	195.728	0.018	7.475	0.016	6.891
8	9	30%	24%	0%	14%	8%	3%	9%	2%	2%	1%	0%	0%	0%	0%	3%	3%	1385	260	DD	22	50	23	77	1	0.376	135.528	0.015	5.477	0.014	5.047
8	10	30%	24%	0%	14%	8%	3%	9%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1262	260	DD	23	50	24	74	1	0.362	118.696	0.015	4.821	0.014	4.447
8	11	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1144	260	DD	24	50	25	72	1	0.348	103.418	0.014	4.276	0.013	3.942
8	12	31%	23%	0%	14%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	3%	3%	1256	260	DD	23	50	25	71	1	0.358	116.747	0.015	4.821	0.014	4.448
8	13	32%	22%	0%	13%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	3%	1251	260	DD	23	50	25	71	1	0.356	115.936	0.015	4.790	0.014	4.419
8	14	32%	22%	0%	14%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	1241	260	DD	23	50	25	71	1	0.354	114.178	0.015	4.721	0.013	4.356
8	15	32%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	1354	260	DD	23	50	25	72	1	0.350	123.076	0.014	5.089	0.013	4.695
8	16	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	1352	260	DD	23	50	24	74	1	0.353	124.002	0.014	5.080	0.013	4.687
8	17	34%	20%	0%	13%	8%	2%	6%	2%	2%	2%	1%	1%	1%	0%	4%	4%	1455	260	DD	22	50	24	76	1	0.361	136.401	0.015	5.666	0.014	5.220
8	18	33%	20%	0%	13%	8%	2%	7%	2%	2%	2%	1%	0%	1%	0%	4%	4%	1348	260	DD	23	50	23	77	1	0.355	124.347	0.014	5.076	0.013	4.683
8	19	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	1124	260	DD	24	50	23	78	1	0.346	101.206	0.014	4.121	0.013	3.800
8	20	33%	21%	0%	13%	8%	2%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	902	260	DD	25	50	23	79	1	0.339	79.603	0.014	3.291	0.013	3.028
8	21	32%	21%	0%	14%	8%	3%	7%	2%	2%	2%	1%	0%	1%	0%	4%	4%	795	260	DD	26	50	23	80	1	0.334	68.959	0.014	2.875	0.013	2.647
8	22	32%	22%	0%	13%	8%	3%	7%	2%	2%	2%	1%	0%	0%	0%	4%	4%	796	260	DD	26	50	23	81	1	0.334	69.059	0.014	2.874	0.013	2.646
8	23	32%	22%	0%	13%	8%	3%	8%	2%	2%	2%	1%	0%	0%	0%	4%	4%	682	260	DD	27	50	23	81	1	0.326	57.822	0.014	2.426	0.013	2.234
9	0	30%	21%	0%	13%	8%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	439	170	DD	28	50	23	82	1	0.326	24.309	0.015	1.092	0.013	1.005
9	1	30%	22%	0%	13%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	260	170	DD	29	50	22	82	1	0.326	14.415	0.015	0.642	0.013	0.592
9	2	30%	23%	1%	13%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	175	170	DD	30	50	22	83	1	0.310	9.229	0.014	0.408	0.013	0.375
9	3	31%	23%	1%	13%	8%	3%	9%	1%	2%	2%	1%	1%	1%	0%	3%	3%	174	170	DD	30	50	22	83	1	0.308	9.122	0.014	0.402	0.012	0.369
9	4	31%	24%	0%	12%	7%	3%	9%	1%	2%	2%	1%	1%	1%	0%	3%	4%	171	170	DD	30	50	22	83	1	0.309	8.974	0.014	0.393	0.012	0.361
9	5	31%	25%	0%	12%	7%	3%	9%	1%	2%	2%	1%	1%	1%	0%	3%	4%	171	170	DD	30	50	22	83	1	0.309	8.993	0.013	0.391	0.012	0.360
9	6	30%	24%	0%	11%	7%	3%	9%	1%	3%	2%	1%	1%	1%	0%	3%	4%	525	170	DD	28	50	22	83	1	0.334	29.834	0.015	1.296	0.013	1.192
9	7	31%	25%	0%	11%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	960	170	DD	25	50	22	82	1	0.355	57.860	0.015	2.463	0.014	2.266
9	8	31%	25%	0%	10%	6%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	1228	170	DD	23	50	23	79	1	0.371	77.542	0.016	3.330	0.015	3.071
9	9	30%	24%	0%	11%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	1053	170	DD	24	50	23	77	1	0.364	65.120	0.016	2.800	0.014	2.581
9	10	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	965	170	DD	25	50	24	74	1	0.351	57.528	0.015	2.490	0.014	2.291
9	11	30%	23%	0%	12%	7%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	878	170	DD	25	50	25	72	1	0.347	51.789	0.015	2.270	0.014	2.089
9	12	30%	22%	0%	13%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	970	170	DD	25	50	25	71	1	0.347	57.147	0.015	2.519	0.014	2.318
9	13	30%	21%	0%	14%	8%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	969	170	DD	25	50	25	71	1	0.345	56.887	0.015	2.500	0.014	2.300
9	14	30%	21%	0%	14%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	967	170	DD	25	50	25	71	1	0.342	56.245	0.015	2.477	0.014	2.279
9	15	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1062	170	DD	24	50	25	72	1	0.348	62.760	0.016	2.821	0.014	2.601
9	16	30%	19%	0%	16%	9%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1066	170	DD	24	50	24	74	1	0.351	63.587	0.016	2.843	0.014	2.620
9	17	30%	18%	0%	17%	10%	3%	8%	2%	2%	2%	1%	1%	1%	0%	3%	4%	1154	170	DD	24	50	24	76	1	0.343	67.366	0.015	3.017	0.014	2.781
9	18	30%	19%	0%	16%	10%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	1064	170	DD	24	50	23	77	1	0.354	64.050	0.016	2.852	0.015	2.629
9	19	30%	19%	0%	16%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	4%	887	170	DD	25	50	23	78	1	0.342	51.572	0.015	2.316	0.014	2.131
9	20	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	706	170	DD	27	50	23	79	1	0.326	39.086	0.015	1.766	0.014	1.626
9	21	30%	20%	0%	15%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	617	170	DD	27	50	23	80	1	0.327	34.337	0.015	1.533	0.013	1.411
9	22	30%	21%	0%	14%	9%	3%	9%	2%	2%	2%	1%	1%	1%	0%	3%	3%	618	170	DD	27	50	23	81	1	0.327	34.352	0.015	1.534	0.013	1.412
9	23	30%	21%	0%	14%	8%	3%	9%	2%	3%	2%	1%	1%	1%	0%	3%	4%	531	170	DD	28	50	23	81	1	0.324	29.244	0.015	1.318	0.013	1.212
10	0	27%	31%	0%	16%	9%	0%	1%	0%	3%	3%	1%	1%	1%	0%	3%	5%	121	200	DD	30	50	23	82	1	0.277	6.714	0.009	0.219	0.008	0.201
10	1	28%	32%	0%	16%	9%	0%	1%	0%	3%	3%	1%	0%	0%	0%	3%	4%	71	200	DD	30	50	22	82	1	0.282	4.001	0.008	0.115	0.007	0.106
10	2	30%	35%	0%	15%	9%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	4%	46	200	DD	30	50	22	83	1	0.262	2.414	0.006	0.056	0.006	0.052
10	3	28%	37%	0%	14%	9%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	43	200	DD	30	50	22	83	1	0.274	2.353	0.006	0.052	0.006	0.048
10	4	27%	39%	0%	14%	9%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	44	200	DD	30	50	22	83	1	0.276	2.429	0.006	0.052	0.005	0.048
10	5	27%	39%	0%	14%	9%	0%	0%	0%	2%	2%	0%	0%	0%	0%	2%	5%	44	200	DD	30	50	22	83	1	0.276	2.429	0.006	0.052	0.005	0.048
10	6	26%	38%	0%	15%	9%	0%	1%	0%	2%	2%	1%	1%	1%	0%	2%	3%	133	200	DD	30	50	22	83	1	0.277	7.366	0.008	0.218	0.008	0.201
10	7	25%	39%	0%	15%	9%	0%	1%	0%	2%	2%	1%	0%	0%	0%	2%	3%	239	200	DD	30	50	22	82	1	0.278	13.305	0.007	0.354	0.007	0.325
10	8	25%	40%	0%	15%	9%	0%	1%	0%	2%	2%	1%	1%	1%	0%	1%	3%	299	200	DD	29	50	23	79	1	0.277	16.552	0.008	0.467	0.007	0.431
10	9	26%	38%	0%	15%	9%	0%	1%	0%	2%	2%	1%	0%	0%	0%	2%	4%	264	200	DD	29	50	23	77	1	0.278	14.679	0.008	0.399	0.007	0.369
10	10	26%	37%	0%	15%	9%	0%	1%	0%	2%	2%	1%	0%	0%	0%	2%	4%	246	200	DD	30	50	24	74	1	0.271	13.316	0.008	0.372	0.007	0.342
10	11	27%	34%	0%	15%	9%	0%	1%	0%	3%	2%	1%	0%	0%	0%	2%	4%	230	200	DD	30	50	25	72	1	0.275	12.628	0.008	0.372	0.007	0.342
10	12	27%	33%	0%	15%	9%	0%	1%	0%	3%	3%	1%	0%	0%	0%	2%	5%	264	200	DD	29	50	25	71	1	0.280	14.791	0.008	0.439	0.008	0.405
10	13	28%	31%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	270	200	DD	29	50	25	71	1	0.280	15.122	0.008	0.455	0.008	0.420
10	14	28%	29%	0%	15%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	276	200	DD	29	50	25	71	1	0.284	15.678	0.009	0.478	0.008	0.442
10	15	28%	27%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	316	200	DD	29	50	25	72	1	0.292	18.434	0.009	0.594	0.009	0.548
10	16	29%	26%	0%	15%	9%	0%	1%	0%	4%	4%	1%	1%	1%	0%	3%	6%	318	200	DD	29	50	24	74	1	0.291	18.483	0.009	0.599	0.009	0.553
10	17	29%	25%	0%	15%	9%	0%	1%	0%	5%	4%	1%	1%	1%	0%	3%	7%	353	200	DD	29	50	24	76	1	0.293	20.658	0.010	0.694	0.009	0.640
10	18	29%	25%	0%	15%	9%	0%	1%	0%	5%	4%	1%	1%	1%	0%	3%	7%	325	200	DD	29	50	23	77	1	0.298	19.356	0.010	0.626	0.009	0.578
10	19	29%	27%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	264	200	DD	29	50	23	78	1	0.291	15.384	0.009	0.483	0.008	0.446
10	20	29%	28%	1%	16%	9%	1%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	206	200	DD	30	50	23	79	1	0.278	11.462	0.009	0.370	0.008	0.340
10	21	29%	29%	1%	15%	10%	0%	1%	0%	3%	3%	1%	1%	1%	0%	3%	6%	178	200	DD	30	50	23	80	1	0.279	9.948	0.009	0.313	0.008	0.288
10	22	29%	30%	1%	15%	9%	0%	1%	0%	3%	3%	1%	1%	1%	0%	3%	6%	175	200	DD	30	50	23	81	1	0.279	9.781	0.009	0.306	0.008	0.281
10	23	28%	30%	1%	15%	9%	0%	1%	0%	3%	3%	1%	1%	1%	0%	3%	5%	149	200	DD	30	50	23	81	1	0.278	8.275	0.009	0.267	0.008	0.246
11	0	33%	20%	0%	13%	8%	4%	9%	3%	1%	1%	0%	0%	0%	0%	4%	3%	446	210	DD	28	50	23	82	1	0.327	30.582	0.015	1.372	0.013	1.263
11	1	33%	20%	0%	13%	8%	3%	10%	3%	2%	1%	0%	0%	0%	0%	4%	3%	267	210	DD	29	50	22	82	1	0.330	18.514	0.014	0.808	0.013	0.745
11	2	32%	20%	1%	13%	8%	3%	10%	2%	2%	1%	1%	1%	1%	0%	3%	2%	180	210	DD	30	50	22	83	1	0.313	11.819	0.015	0.552	0.013	0.508
11	3	32%	20%	1%	13%	8%	3%	10%	3%	2%	1%	1%	1%	1%	0%	3%	2%	183	210	DD	30	50	22	83	1	0.315	12.116	0.015	0.562	0.013	0.516
11	4	32%	20%	1%	13%	8%	3%	10%	3%	2%	1%	1%	1%	1%	0%	3%	2%	183	210	DD	30	50	22	83	1	0.315	12.116	0.015	0.562	0.013	0.516
11	5	31%	21%	1%	13%	8%	3%	10%	3%	2%	1%	1%	1%	1%	0%	3%	2%	183	210	DD	30	50	22	83	1	0.317	12.194	0.015	0.560	0.013	0.515
11	6	31%	21%	0%	13%	8%	4%	11%	3%	1%	1%	0%	0%	0%	0%	4%	2%	557	210	DD	27	50	22	83	1	0.347	40.617	0.016	1.816	0.014	1.672
11	7	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1029	210	DD	24	50	22	82	1	0.371	80.119	0.016	3.481	0.015	3.209
11	8	30%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1321	210	DD	22	50	23	79	1	0.388	107.541	0.017	4.592	0.015	4.231
11	9	31%	21%	0%	13%	8%	4%	11%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1120	210	DD	24	50	23	77	1	0.373	87.817	0.016	3.786	0.015	3.490
11	10	31%	21%	0%	13%	8%	4%	10%	3%	2%	1%	0%	0%	0%	0%	4%	2%	1012	210	DD	24	50	24	74	1	0.366	77.732	0.016	3.389	0.015	3.124
11	11	32%	20%	0%	13%	8%	4%	10%	3%	2%	1%	0%	0%	0%	0%	4%	3%	911	210	DD	25	50	25	72	1	0.349	66.754	0.015	2.951	0.014	2.715
11	12	32%	20%	0%	13%	8%	3%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	990	210	DD	25	50	25	71	1	0.349	72.605	0.015	3.216	0.014	2.959
11	13	33%	20%	0%	13%	8%	3%	10%	3%	2%	1%	1%	0%	0%	0%	4%	3%	981	210	DD	25	50	25	71	1	0.350	72.074	0.016	3.201	0.014	2.945
11	14	33%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	0%	0%	4%	3%	968	210	DD	25	50	25	71	1	0.346	70.291	0.015	3.110	0.014	2.862
11	15	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	1%	0%	4%	3%	1043	210	DD	24	50	25	72	1	0.355	77.696	0.016	3.424	0.014	3.157
11	16	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	1033	210	DD	24	50	24	74	1	0.359	77.781	0.016	3.418	0.015	3.152
11	17	35%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	1104	210	DD	24	50	24	76	1	0.352	81.657	0.016	3.596	0.014	3.316
11	18	34%	19%	0%	13%	8%	3%	8%	3%	2%	1%	1%	1%	1%	0%	4%	4%	1027	210	DD	25	50	23	77	1	0.351	75.698	0.015	3.319	0.014	3.053
11	19	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	1%	1%	0%	4%	4%	861	210	DD	26	50	23	78	1	0.339	61.341	0.015	2.713	0.014	2.498

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
11	20	34%	19%	0%	13%	8%	3%	9%	3%	2%	1%	1%	0%	0%	0%	4%	4%	692	210	DD	27	50	23	79	1	0.334	48.584	0.015	2.142	0.014	1.973
11	21	34%	19%	0%	13%	8%	3%	9%	3%	1%	1%	1%	1%	1%	0%	4%	3%	611	210	DD	27	50	23	80	1	0.333	42.764	0.015	1.931	0.014	1.778
11	22	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	1%	0%	4%	3%	615	210	DD	27	50	23	81	1	0.332	42.829	0.015	1.908	0.014	1.757
11	23	33%	20%	0%	13%	8%	3%	9%	3%	1%	1%	1%	0%	0%	0%	4%	3%	534	210	DD	28	50	23	81	1	0.328	36.757	0.015	1.657	0.014	1.524
12	0	30%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	4%	4%	520	160	DD	28	50	23	82	1	0.326	27.096	0.014	1.200	0.013	1.104
12	1	31%	20%	0%	13%	8%	3%	8%	5%	2%	2%	1%	0%	0%	0%	3%	4%	307	160	DD	29	50	22	82	1	0.324	15.892	0.014	0.686	0.013	0.633
12	2	31%	21%	1%	13%	8%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	198	160	DD	30	50	22	83	1	0.309	9.798	0.014	0.438	0.013	0.403
12	3	31%	22%	1%	13%	8%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	198	160	DD	30	50	22	83	1	0.310	9.815	0.014	0.437	0.013	0.401
12	4	31%	22%	1%	12%	8%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	197	160	DD	30	50	22	83	1	0.313	9.869	0.014	0.444	0.013	0.408
12	5	31%	22%	1%	12%	8%	3%	9%	4%	2%	2%	1%	1%	1%	0%	3%	3%	196	160	DD	30	50	22	83	1	0.316	9.906	0.014	0.445	0.013	0.409
12	6	30%	22%	0%	12%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	589	160	DD	27	50	22	83	1	0.340	32.029	0.015	1.374	0.013	1.265
12	7	30%	23%	0%	11%	7%	3%	9%	5%	2%	2%	1%	1%	1%	0%	3%	3%	1070	160	DD	24	50	22	82	1	0.368	63.030	0.016	2.742	0.015	2.527
12	8	30%	23%	0%	11%	6%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1345	160	DD	23	50	23	79	1	0.371	79.822	0.016	3.443	0.015	3.175
12	9	30%	22%	0%	11%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1173	160	DD	24	50	23	77	1	0.364	68.255	0.016	2.937	0.014	2.708
12	10	31%	22%	0%	12%	7%	3%	9%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1090	160	DD	24	50	24	74	1	0.359	62.575	0.016	2.719	0.014	2.506
12	11	31%	21%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1004	160	DD	25	50	25	72	1	0.345	55.383	0.015	2.433	0.014	2.239
12	12	31%	21%	0%	13%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	3%	1120	160	DD	24	50	25	71	1	0.352	63.149	0.015	2.750	0.014	2.535
12	13	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1141	160	DD	24	50	25	71	1	0.349	63.683	0.015	2.784	0.014	2.567
12	14	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1156	160	DD	24	50	25	71	1	0.346	63.979	0.015	2.749	0.014	2.534
12	15	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1275	160	DD	23	50	25	72	1	0.352	71.718	0.015	3.096	0.014	2.856
12	16	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1293	160	DD	23	50	24	74	1	0.353	73.010	0.015	3.098	0.014	2.858
12	17	31%	18%	0%	16%	9%	2%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1421	160	DD	22	50	24	76	1	0.358	81.376	0.015	3.464	0.014	3.192
12	18	31%	18%	0%	15%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	1302	160	DD	23	50	23	77	1	0.354	73.826	0.015	3.109	0.014	2.868
12	19	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	1079	160	DD	24	50	23	78	1	0.345	59.600	0.015	2.552	0.014	2.352
12	20	31%	19%	0%	15%	9%	3%	7%	4%	2%	2%	1%	0%	0%	0%	3%	4%	856	160	DD	26	50	23	79	1	0.335	45.842	0.015	1.989	0.013	1.832
12	21	31%	19%	0%	14%	9%	3%	7%	4%	2%	2%	0%	0%	0%	0%	3%	4%	741	160	DD	26	50	23	80	1	0.331	39.271	0.014	1.696	0.013	1.562
12	22	31%	19%	0%	14%	8%	3%	8%	4%	2%	2%	0%	0%	0%	0%	3%	4%	736	160	DD	26	50	23	81	1	0.333	39.182	0.014	1.696	0.013	1.562
12	23	31%	20%	0%	14%	8%	3%	8%	4%	2%	2%	1%	0%	0%	0%	3%	4%	626	160	DD	27	50	23	81	1	0.328	32.899	0.014	1.435	0.013	1.321
13	0	39%	20%	1%	15%	10%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	5%	168	60	DD	30	50	23	82	1	0.245	2.469	0.009	0.094	0.009	0.087
13	1	39%	20%	0%	16%	8%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	4%	98	60	DD	30	50	22	82	1	0.245	1.439	0.008	0.050	0.008	0.046
13	2	40%	22%	0%	16%	8%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	5%	63	60	DD	30	50	22	83	1	0.243	0.920	0.007	0.027	0.007	0.025
13	3	42%	23%	0%	13%	8%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	3%	60	60	DD	30	50	22	83	1	0.239	0.860	0.007	0.026	0.007	0.024
13	4	40%	25%	0%	13%	8%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	3%	60	60	DD	30	50	22	83	1	0.245	0.881	0.007	0.026	0.007	0.024
13	5	39%	25%	0%	14%	9%	0%	0%	0%	3%	3%	0%	0%	0%	0%	3%	3%	59	60	DD	30	50	22	83	1	0.250	0.885	0.007	0.026	0.007	0.023
13	6	38%	24%	1%	14%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	3%	183	60	DD	30	50	22	83	1	0.253	2.781	0.009	0.097	0.008	0.090
13	7	38%	24%	0%	13%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	2%	329	60	DD	29	50	22	82	1	0.271	5.344	0.010	0.188	0.009	0.174
13	8	37%	25%	0%	13%	8%	0%	1%	0%	4%	4%	1%	1%	1%	0%	4%	2%	409	60	DD	29	50	23	79	1	0.271	6.646	0.009	0.230	0.009	0.213
13	9	37%	23%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	3%	366	60	DD	29	50	23	77	1	0.273	6.002	0.010	0.210	0.009	0.194
13	10	38%	22%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	4%	346	60	DD	29	50	24	74	1	0.267	5.542	0.010	0.200	0.009	0.185
13	11	38%	21%	0%	14%	8%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	4%	328	60	DD	29	50	25	72	1	0.261	5.145	0.010	0.190	0.009	0.176
13	12	38%	20%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	5%	372	60	DD	29	50	25	71	1	0.269	5.993	0.010	0.217	0.009	0.201
13	13	39%	19%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	5%	384	60	DD	29	50	25	71	1	0.265	6.102	0.010	0.224	0.009	0.207
13	14	39%	18%	0%	15%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	4%	6%	392	60	DD	29	50	25	71	1	0.264	6.210	0.010	0.230	0.009	0.213
13	15	39%	17%	1%	16%	9%	0%	1%	0%	4%	3%	1%	1%	1%	0%	3%	6%	442	60	DD	28	50	25	72	1	0.261	6.924	0.010	0.265	0.009	0.244
13	16	39%	16%	0%	16%	10%	0%	1%	0%	4%	3%	0%	0%	0%	0%	4%	7%	455	60	DD	28	50	24	74	1	0.264	7.210	0.010	0.268	0.009	0.246
13	17	40%	15%	0%	16%	10%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	7%	505	60	DD	28	50	24	76	1	0.260	7.870	0.010	0.303	0.009	0.279
13	18	39%	16%	0%	16%	9%	0%	1%	0%	4%	3%	0%	0%	0%	0%	4%	7%	461	60	DD	28	50	23	77	1	0.266	7.365	0.010	0.273	0.009	0.251
13	19	40%	16%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	373	60	DD	29	50	23	78	1	0.256	5.718	0.009	0.209	0.009	0.193
13	20	39%	17%	0%	16%	9%	0%	1%	0%	4%	3%	1%	0%	0%	0%	3%	6%	295	60	DD	29	50	23	79	1	0.259	4.582	0.009	0.166	0.009	0.154
13	21	39%	17%	0%	16%	9%	0%	1%	0%	3%	3%	0%	0%	0%	0%	3%	6%	253	60	DD	29	50	23	80	1	0.260	3.941	0.009	0.143	0.009	0.132
13	22	39%	18%	0%	15%	9%	0%	1%	0%	3%	3%	0%	0%	0%	0%	3%	6%	247	60	DD	30	50	23	81	1	0.253	3.752	0.009	0.136	0.008	0.125
13	23	39%	18%	1%	16%	9%	1%	1%	0%	3%	3%	1%	1%	1%	0%	3%	5%	206	60	DD	30	50	23	81	1	0.241	2.980	0.009	0.113	0.008	0.104
14	0	59%	16%	0%	6%	4%	0%	0%	0%	4%	4%	2%	2%	2%	0%	0%	2%	51	590	LD	25	50	23	82	1	0.164	4.933	0.012	0.369	0.011	0.339
14	1	60%	17%	0%	7%	3%	0%	0%	0%	3%	3%	3%	0%	0%	0%	0%	3%	30	590	LD	25	50	22	82	1	0.143	2.530	0.009	0.152	0.008	0.139
14	2	63%	16%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	19	590	LD	25	50	22	83	1	0.127	1.427	0.007	0.078	0.006	0.072
14	3	60%	20%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	20	590	LD	25	50	22	83	1	0.139	1.643	0.007	0.078	0.006	0.071
14	4	64%	18%	0%	5%	5%	0%	0%	0%	5%	5%	0%	0%	0%	0%	0%	0%	22	590	LD	25	50	22	83	1	0.127	1.652	0.007	0.085	0.006	0.078
14	5	61%	17%	0%	9%	4%	0%	0%	0%	4%	4%	0%	0%	0%	0%	0%	0%	23	590	LD	25	50	22	83	1	0.133	1.809	0.007	0.091	0.006	0.083
14	6	55%	20%	0%	7%	4%	0%	0%	0%	4%	4%	1%	1%	1%	0%	0%	1%	74	590	LD	25	50	22	83	1	0.173	7.541	0.010	0.453	0.010	0.416
14	7	55%	19%	0%	7%	4%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	1%	138	590	LD	24	50	22	82	1	0.176	14.331	0.011	0.927	0.011	0.857
14	8	55%	20%	0%	7%	4%	0%	1%	0%	5%	3%	2%	1%	2%	0%	0%	2%	178	590	LD	24	50	23	79	1	0.177	18.544	0.011	1.138	0.010	1.052
14	9	56%	19%	0%	7%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	146	590	LD	24	50	23	77	1	0.177	15.276	0.011	0.979	0.011	0.905
14	10	57%	19%	0%	6%	4%	0%	1%	0%	4%	3%	2%	2%	2%	0%	0%	2%	127	590	LD	24	50	24	74	1	0.174	13.072	0.011	0.854	0.011	0.790
14	11	56%	18%	0%	6%	4%	0%	1%	0%	5%	4%	2%	2%	2%	0%	0%	2%	111	590	LD	25	50	25	72	1	0.173	11.321	0.012	0.779	0.011	0.716
14	12	57%	17%	0%	7%	4%	0%	1%	0%	4%	3%	2%	2%	2%	0%	0%	2%	119	590	LD	25	50	25	71	1	0.169	11.842	0.012	0.820	0.011	0.754
14	13	57%	17%	0%	7%	5%	0%	1%	0%	5%	4%	2%	1%	1%	0%	0%	2%	112	590	LD	25	50	25	71	1	0.160	10.563	0.010	0.670	0.009	0.616
14	14	59%	16%	0%	7%	4%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	104	590	LD	25	50	25	71	1	0.157	9.659	0.010	0.640	0.010	0.589
14	15	59%	15%	0%	7%	5%	0%	1%	0%	4%	4%	2%	1%	1%	0%	0%	2%	108	590	LD	25	50	25	72	1	0.153	9.757	0.010	0.661	0.010	0.608
14	16	60%	15%	0%	8%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	102	590	LD	25	50	24	74	1	0.153	9.207	0.011	0.632	0.010	0.582
14	17	59%	13%	0%	8%	5%	1%	2%	0%	4%	3%	2%	1%	1%	0%	0%	2%	106	590	LD	25	50	24	76	1	0.156	9.748	0.011	0.690	0.010	0.634
14	18	61%	14%	0%	7%	4%	0%	1%	0%	4%	3%	2%	1%	1%	0%	0%	2%	99	590	LD	25	50	23	77	1	0.151	8.830	0.011	0.616	0.010	0.566
14	19	61%	14%	0%	7%	5%	0%	1%	0%	4%	4%	1%	1%	1%	0%	0%	2%	86	590	LD	25	50	23	78	1	0.158	8.014	0.011	0.544	0.010	0.500
14	20	61%	14%	0%	7%	4%	0%	1%	0%	4%	3%	1%	1%	1%	0%	0%	1%	71	590	LD	25	50	23	79	1	0.155	6.496	0.011	0.469	0.010	0.431
14	21	58%	15%	0%	8%	5%	0%	2%	0%	5%	3%	2%	2%	2%	0%	0%	2%	66	590	LD	25	50	23	80	1	0.165	6.429	0.012	0.449	0.011	0.413
14	22	59%	15%	0%	7%	4%	0%	2%	0%	4%	3%	2%	2%	2%	0%	0%	2%	68	590	LD	25	50	23	81	1	0.161	6.471	0.012	0.463	0.011	0.426
14	23	58%	17%	0%	7%	3%	0%	2%	0%	3%	3%	2%	2%	2%	0%	0%	2%	59	590	LD	25	50	23	81	1	0.172	5.981	0.012	0.418	0.011	0.384
15	0	36%	23%	0%	9%	5%	0%	0%	0%	9%	5%	5%	5%	5%	0%	0%	0%	22	590	LD	25	50	23	82	1	0.247	3.205	0.019	0.249	0.018	0.229
15	1	33%	20%	0%	7%	7%	0%	0%	0%	7%	7%	7%	7%	7%	0%	0%	0%	15	590	LD	25	50	22	82	1	0.300	2.652	0.026	0.232	0.024	0.213
15	2	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.208	1.102	0.015	0.078	0.013	0.071
15	3	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.208	1.102	0.015	0.078	0.013	0.071
15	4	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.208	1.102	0.015	0.078	0.013	0.071
15	5	33%	22%	0%	11%	0%	0%	0%	0%	11%	11%	11%	0%	0%	0%	0%	0%	9	590	LD	25	50	22	83	1	0.208	1.102	0.015	0.078	0.013	0.071
15	6	37%	26%	0%	7%	4%	0%	0%	0%	7%	4%	7%	4%	4%	0%	0%	0%	27	590	LD	25	50	22	83	1	0.248	3.944	0.019	0.302	0.017	0.278
15	7	36%	30%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	53	590	LD	25	50	22	82	1	0.264	8.252	0.018	0.564	0.017	0.519
15	8	37%	32%	0%	5%	3%	0%	0%	0%	6%	5%	5%	3%	5%	0%	0%	0%	63	590	LD	25	50	23	79	1	0.262	9.745	0.017	0.641	0.016	0.589
15	9	36%	30%	0%	5%	4%	0%	0%	0%	7%	5%	5%	4%	4%	0%	0%	0%	56	590	LD	25	50	23	77	1	0.258	8.508	0.017	0.573	0.016	0.527
15	10	37%	29%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	52	590	LD	25	50	24	74	1	0.257	7.895	0.018	0.559	0.017	0.514
15	11	38%	25%	0%	6%	4%	0%	0%	0%	6%	6%	6%	4%	4%	0%	0%	0%	48	590	LD	25	50	25	72	1	0.255	7.209	0.020	0.561	0.018	0.516
15	12	37%	24%	0%	8%	4%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	51	590	LD	25	50	25	71	1	0.245	7.384	0.019	0.570	0.017	0.524
15	13	37%	22%	0%	8%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	51	590	LD	25	50	25	71	1	0.246	7.407	0.019	0.580	0.018	0.534
15	14	38%	21%	0%	9%	6%	0%	0%	0%	8%	6%	6%	4%	4%	0%	0%	0%	53	590	LD	25	50	25	71	1	0.243	7.606	0.019	0.594	0.017	0.546
15	15	38%	20%	0%	9%	5%	0%	2%	0%	7%	5%	5%	4%	5%	0%	0%	0%	56	590	LD	25	50	25	72	1	0.262	8.641	0.021	0.687	0.019	0.632
15	16	36%	17%	0%	10%	5%	0%	2%	0%	7%	5%	7%	5%	5%	0%	0%	0%	58	590	LD	25	50	24	74	1	0.271	9.269	0.024	0.812	0.022	0.747
15	17	37%	13%	0%	11%	7%	0%	2%	0%	8%	7%	7%	5%	5%	0%	0%	0%	62	590	LD	25	50	24	76	1	0.257	9.405	0.023	0.850	0.021	0.782
15	18	38%	14%	0%	10%	5%	0%	2%	0%	7%	7%	7%	5%	5%	0%	0%	0%	58	590	LD	25	50	23	77	1	0.267	9.151	0.024	0.829	0.022	0.763
15	19	38%	15%	0%	11%	6%	0%	2%	0%	6%	6%	6%	4%	4%	0%	0%	0%	47	590	LD	25	50	23	78	1	0.259	7.176	0.022	0.614	0.020	0.565
15	20	40%	16%	0%	11%	5%	0%	0%	0%	8%	5%	5%	5%	5%	0%	0%	0%	38	590	LD	25	50	23	79	1	0.252	5.639	0.022	0.498	0.020	0.458
15	21	39%	19%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	31	590	LD	25	50	23	80	1	0.237	4.340	0.019	0.339	0.017	0.312
15	22	39%	19%	0%	10%	7%	0%	0%	0%	7%	7%	7%	3%	3%	0%	0%	0%	31	590	LD	25	50	23	81	1	0.236	4.322	0.019	0.339	0.017	0.312
15	23	41%	19%	0%	7%	4%	0%	0%	0%	7%	7%	7%	4%	4%	0%	0%	0%	27	590	LD	25	50	23	81	1	0.232	3.702	0.020	0.319	0.018	0.294
16	0	28%	22%	0%	10%	6%	2%	5%	7%	4%	4%	2%	2%	2%	1%	4%	2%	191	200	LD	24	50	23	82	1	0.379	14.495	0.019	0.709	0.017	0.653
16	1	28%	23%	0%	10%	6%	2%	5%	6%	5%	4%	3%	2%	2%	0%	5%	2%	110	200	LD	25	50	22	82	1	0.374	8.221	0.018	0.405	0.017	0.373
16	2	28%	24%	0%	8%	6%	1%	6%	7%	4%	4%	3%	1%	1%	0%	4%	3%	72	200	LD	25	50	22	83	1	0.373	5.371	0.018	0.260	0.017	0.239
16	3	28%	24%	0%	9%	6%	1%	6%	7%	4%	4%	3%	1%	1%	0%	4%	1%	71	200	LD	25	50	22	83	1	0.369	5.243	0.018	0.256	0.017	0.236
16	4	27%	23%	0%	8%	6%	1%	6%	7%	4%	4%	3%	3%	3%	0%	4%	1%	73	200	LD	25	50	22	83	1	0.384	5.612	0.021	0.302	0.019	0.277
16	5	26%	23%	0%	8%	5%	1%	5%	7%	4%	4%	3%	3%	3%	0%	4%	4%	74	200	LD	25	50	22	83	1	0.393	5.818	0.021	0.305	0.019	0.281
16	6	25%	23%	0%	9%	5%	2%	6%	7%	5%	4%	3%	2%	2%	0%	5%	2%	224	200	LD	24	50	22	83	1	0.412	18.445	0.021	0.941	0.019	0.866
16	7	25%	23%	0%	8%	5%	2%	6%	7%	5%	4%	4%	3%	3%	0%	4%	2%	417	200	LD	22	50	22	82	1	0.429	35.789	0.023	1.886	0.021	1.736
16	8	24%	22%	0%	9%	5%	2%	6%	7%	5%	4%	4%	3%	3%	0%	4%	2%	539	200	LD	21	50	23	79	1	0.437	47.152	0.023	2.527	0.022	2.325
16	9	25%	22%	0%	9%	5%	2%	6%	7%	5%	4%	4%	2%	2%	0%	4%	2%	456	200	LD	22	50	23	77	1	0.427	38.922	0.022	2.009	0.020	1.850
16	10	25%	22%	0%	10%	6%	2%	6%	7%	5%	4%	3%	2%	2%	0%	4%	2%	431	200	LD	22	50	24	74	1	0.420	36.165	0.022	1.862	0.020	1.714
16	11	26%	22%	0%	10%	6%	2%	5%	7%	5%	4%	3%	2%	2%	0%	5%	2%	387	200	LD	23	50	25	72	1	0.402	31.114	0.020	1.541	0.018	1.420
16	12	26%	21%	0%	10%	6%	2%	6%	7%	5%	4%	3%	2%	2%	0%	5%	2%	434	200	LD	22	50	25	71	1	0.411	35.696	0.020	1.739	0.018	1.601
16	13	28%	22%	0%	10%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	425	200	LD	22	50	25	71	1	0.408	34.697	0.020	1.662	0.018	1.531
16	14	28%	22%	0%	10%	6%	2%	5%	7%	5%	4%	2%	1%	1%	0%	5%	2%	430	200	LD	22	50	25	71	1	0.405	34.799	0.019	1.621	0.017	1.493
16	15	28%	21%	0%	11%	7%	2%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	476	200	LD	22	50	25	72	1	0.401	38.215	0.018	1.732	0.017	1.595
16	16	29%	21%	0%	11%	7%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	472	200	LD	22	50	24	74	1	0.401	37.898	0.018	1.655	0.016	1.524
16	17	31%	22%	0%	10%	6%	1%	4%	7%	5%	4%	1%	1%	1%	0%	5%	2%	505	200	LD	22	50	24	76	1	0.396	39.965	0.017	1.730	0.016	1.593
16	18	30%	22%	0%	10%	6%	1%	4%	7%	5%	4%	2%	1%	1%	0%	5%	2%	460	200	LD	22	50	23	77	1	0.403	37.062	0.017	1.600	0.016	1.474
16	19	30%	22%	0%	10%	6%	1%	5%	7%	5%	4%	2%	1%	1%	0%	5%	2%	381	200	LD	23	50	23	78	1	0.391	29.776	0.017	1.302	0.016	1.200
16	20	29%	22%	0%	11%	6%	1%	5%	7%	5%	4%	2%	1%	1%	0%	5%	2%	312	200	LD	23	50	23	79	1	0.395	24.673	0.018	1.105	0.016	1.019
16	21	28%	21%	0%	11%	7%	2%	5%	7%	5%	4%	2%	1%	1%	0%	5%	1%	281	200	LD	24	50	23	80	1	0.390	21.915	0.018	1.028	0.017	0.947
16	22	28%	22%	0%	9%	6%	2%	5%	7%	5%	4%	2%	2%	2%	0%	5%	2%	268	200	LD	24	50	23	81	1	0.393	21.066	0.019	0.993	0.017	0.915
16	23	28%	23%	0%	10%	6%	2%	5%	7%	5%	4%	2%	1%	2%	0%	5%	2%	226	200	LD	24	50	23	81	1	0.391	17.694	0.018	0.832	0.017	0.767
17	0	24%	23%	0%	12%	7%	1%	3%	7%	3%	2%	3%	2%	2%	0%	8%	1%	90	200	LD	25	50	23	82	1	0.436	7.852	0.020	0.367	0.019	0.337
17	1	29%	21%	0%	10%	7%	2%	3%	7%	3%	2%	3%	2%	2%	0%	7%	2%	58	200	LD	25	50	22	82	1	0.409	4.749	0.019	0.223	0.018	0.205
17	2	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	0.425	2.722	0.021	0.136	0.020	0.125
17	3	25%	22%	0%	13%	6%	0%	3%	6%	3%	3%	3%	3%	3%	0%	6%	3%	32	200	LD	25	50	22	83	1	0.425	2.722	0.021	0.136	0.020	0.125
17	4	23%	23%	0%	13%	10%	0%	3%	7%	3%	3%	3%	0%	0%	0%	7%	3%	30	200	LD	25	50	22	83	1	0.406	2.434	0.015	0.093	0.014	0.085
17	5	25%	21%	0%	14%	11%	0%	4%	7%	4%	4%	4%	0%	0%	0%	7%	0%	28	200	LD	25	50	22	83	1	0.405	2.270	0.016	0.092	0.015	0.084

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
17	6	22%	20%	0%	15%	8%	3%	9%	7%	3%	3%	1%	1%	1%	0%	6%	1%	103	200	LD	25	50	22	83	1	0.425	8.757	0.019	0.391	0.017	0.360
17	7	25%	19%	1%	18%	11%	1%	4%	8%	3%	3%	1%	1%	1%	1%	5%	2%	192	200	LD	24	50	22	82	1	0.398	15.285	0.016	0.612	0.015	0.564
17	8	23%	18%	1%	20%	12%	1%	3%	8%	3%	2%	0%	0%	0%	0%	5%	2%	246	200	LD	24	50	23	79	1	0.388	19.106	0.015	0.751	0.014	0.692
17	9	23%	19%	1%	18%	11%	1%	3%	8%	3%	2%	1%	1%	1%	1%	6%	2%	216	200	LD	24	50	23	77	1	0.412	17.804	0.017	0.718	0.015	0.661
17	10	24%	20%	1%	16%	10%	1%	3%	8%	3%	3%	2%	1%	1%	1%	6%	3%	196	200	LD	24	50	24	74	1	0.419	16.427	0.017	0.672	0.016	0.619
17	11	24%	20%	1%	15%	9%	1%	3%	8%	3%	3%	2%	2%	2%	1%	6%	3%	187	200	LD	24	50	25	72	1	0.426	15.934	0.019	0.702	0.017	0.646
17	12	25%	21%	1%	13%	8%	1%	3%	7%	3%	2%	2%	2%	2%	1%	8%	2%	207	200	LD	24	50	25	71	1	0.454	18.795	0.020	0.819	0.018	0.754
17	13	23%	21%	1%	14%	9%	1%	3%	7%	3%	2%	3%	2%	2%	1%	8%	2%	221	200	LD	24	50	25	71	1	0.466	20.579	0.021	0.936	0.019	0.862
17	14	24%	22%	1%	12%	8%	1%	3%	7%	3%	2%	3%	2%	2%	0%	8%	2%	223	200	LD	24	50	25	71	1	0.467	20.846	0.021	0.940	0.019	0.866
17	15	24%	22%	0%	11%	7%	1%	4%	7%	3%	2%	4%	3%	3%	0%	8%	2%	255	200	LD	24	50	25	72	1	0.477	24.333	0.023	1.167	0.021	1.075
17	16	24%	22%	0%	10%	6%	1%	2%	7%	3%	2%	4%	3%	3%	0%	9%	2%	255	200	LD	24	50	24	74	1	0.494	25.177	0.023	1.172	0.021	1.079
17	17	23%	22%	0%	9%	6%	1%	2%	6%	3%	2%	5%	4%	4%	1%	9%	3%	285	200	LD	23	50	24	76	1	0.517	29.452	0.025	1.434	0.023	1.321
17	18	24%	23%	0%	9%	6%	1%	2%	7%	3%	2%	5%	3%	3%	1%	9%	2%	252	200	LD	24	50	23	77	1	0.511	25.756	0.024	1.213	0.022	1.117
17	19	24%	23%	0%	9%	5%	1%	2%	7%	3%	2%	5%	3%	3%	1%	9%	2%	205	200	LD	24	50	23	78	1	0.500	20.502	0.023	0.963	0.022	0.887
17	20	24%	23%	0%	11%	6%	1%	3%	7%	3%	3%	4%	3%	3%	1%	9%	1%	159	200	LD	25	50	23	79	1	0.491	15.607	0.023	0.732	0.021	0.673
17	21	24%	22%	0%	12%	6%	1%	3%	7%	3%	2%	4%	3%	3%	1%	9%	1%	139	200	LD	25	50	23	80	1	0.477	13.263	0.022	0.625	0.021	0.575
17	22	25%	23%	0%	11%	6%	1%	3%	8%	3%	2%	4%	2%	2%	1%	8%	2%	134	200	LD	25	50	23	81	1	0.459	12.291	0.021	0.561	0.019	0.516
17	23	25%	23%	0%	11%	6%	1%	3%	6%	3%	3%	4%	3%	3%	1%	7%	3%	110	200	LD	25	50	23	81	1	0.452	9.951	0.021	0.470	0.020	0.433
18	0	27%	23%	0%	10%	5%	1%	4%	10%	5%	4%	2%	1%	1%	0%	4%	1%	142	250	LD	25	50	23	82	1	0.362	12.835	0.018	0.630	0.016	0.579
18	1	28%	24%	0%	9%	5%	1%	4%	9%	5%	5%	2%	1%	1%	0%	5%	1%	82	250	LD	25	50	22	82	1	0.374	7.677	0.017	0.351	0.016	0.323
18	2	27%	25%	0%	9%	5%	2%	4%	9%	5%	4%	2%	2%	2%	0%	4%	2%	56	250	LD	25	50	22	83	1	0.360	5.042	0.018	0.245	0.016	0.226
18	3	26%	26%	0%	9%	5%	2%	4%	9%	5%	4%	2%	2%	2%	0%	4%	2%	57	250	LD	25	50	22	83	1	0.361	5.137	0.017	0.246	0.016	0.227
18	4	26%	26%	0%	9%	5%	2%	4%	9%	5%	4%	2%	2%	2%	0%	4%	2%	57	250	LD	25	50	22	83	1	0.361	5.137	0.017	0.246	0.016	0.227
18	5	25%	27%	0%	9%	5%	2%	4%	9%	5%	4%	2%	2%	2%	0%	4%	2%	56	250	LD	25	50	22	83	1	0.367	5.134	0.017	0.244	0.016	0.224
18	6	22%	25%	0%	9%	6%	2%	4%	9%	6%	4%	2%	2%	2%	1%	4%	2%	171	250	LD	24	50	22	83	1	0.405	17.327	0.019	0.816	0.018	0.751
18	7	21%	25%	0%	9%	6%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	323	250	LD	23	50	22	82	1	0.428	34.566	0.020	1.636	0.019	1.507
18	8	21%	25%	0%	9%	6%	2%	5%	9%	6%	5%	3%	2%	2%	0%	5%	2%	401	250	LD	22	50	23	79	1	0.433	43.398	0.020	2.044	0.019	1.882
18	9	22%	25%	0%	9%	5%	1%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	350	250	LD	23	50	23	77	1	0.427	37.320	0.020	1.719	0.018	1.584
18	10	23%	24%	0%	9%	6%	2%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	322	250	LD	23	50	24	74	1	0.415	33.387	0.019	1.554	0.018	1.432
18	11	24%	24%	0%	9%	5%	1%	5%	9%	6%	5%	2%	1%	2%	0%	5%	2%	295	250	LD	23	50	25	72	1	0.403	29.687	0.019	1.391	0.017	1.282
18	12	25%	23%	0%	9%	6%	1%	5%	9%	6%	5%	2%	2%	2%	0%	5%	2%	325	250	LD	23	50	25	71	1	0.403	32.775	0.019	1.521	0.017	1.402
18	13	27%	23%	0%	9%	6%	1%	4%	9%	6%	5%	2%	1%	1%	0%	5%	2%	326	250	LD	23	50	25	71	1	0.394	32.116	0.018	1.463	0.017	1.349
18	14	28%	22%	0%	9%	6%	1%	4%	9%	6%	5%	2%	1%	1%	0%	5%	2%	327	250	LD	23	50	25	71	1	0.392	32.027	0.018	1.462	0.016	1.348
18	15	29%	22%	0%	9%	6%	1%	4%	9%	5%	5%	1%	1%	1%	0%	5%	1%	355	250	LD	23	50	25	72	1	0.380	33.703	0.017	1.535	0.016	1.415
18	16	30%	21%	0%	9%	6%	1%	4%	9%	5%	5%	1%	1%	1%	0%	5%	1%	358	250	LD	23	50	24	74	1	0.378	33.838	0.017	1.546	0.016	1.426
18	17	31%	21%	0%	9%	6%	1%	4%	9%	5%	4%	1%	1%	1%	0%	5%	1%	385	250	LD	23	50	24	76	1	0.371	35.752	0.017	1.605	0.015	1.480
18	18	31%	21%	0%	9%	6%	1%	4%	9%	5%	5%	1%	1%	1%	0%	5%	1%	357	250	LD	23	50	23	77	1	0.379	33.808	0.017	1.488	0.015	1.372
18	19	30%	21%	0%	9%	6%	1%	4%	9%	5%	5%	1%	1%	1%	0%	5%	1%	297	250	LD	24	50	23	78	1	0.378	28.065	0.017	1.250	0.016	1.152
18	20	30%	22%	0%	9%	6%	1%	3%	9%	5%	4%	2%	1%	1%	0%	5%	1%	237	250	LD	24	50	23	79	1	0.374	22.188	0.017	1.030	0.016	0.949
18	21	29%	22%	0%	9%	5%	2%	3%	9%	5%	4%	2%	1%	1%	1%	5%	2%	203	250	LD	24	50	23	80	1	0.378	19.192	0.017	0.852	0.015	0.785
18	22	28%	22%	0%	9%	5%	2%	4%	9%	5%	4%	2%	1%	2%	1%	5%	2%	203	250	LD	24	50	23	81	1	0.386	19.575	0.017	0.887	0.016	0.817
18	23	28%	23%	0%	10%	6%	1%	4%	9%	6%	4%	2%	1%	1%	1%	5%	2%	177	250	LD	24	50	23	81	1	0.377	16.701	0.017	0.756	0.016	0.696
19	0	26%	22%	0%	11%	6%	0%	2%	11%	4%	4%	4%	2%	2%	0%	6%	2%	54	250	LD	25	50	23	82	1	0.390	5.259	0.019	0.263	0.018	0.242
19	1	22%	22%	0%	13%	6%	0%	3%	13%	3%	3%	3%	3%	3%	0%	6%	0%	32	250	LD	25	50	22	82	1	0.443	3.543	0.023	0.184	0.021	0.169
19	2	25%	20%	0%	15%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.353	1.764	0.016	0.079	0.015	0.073
19	3	24%	24%	0%	14%	10%	0%	0%	10%	5%	5%	5%	0%	0%	0%	5%	0%	21	250	LD	25	50	22	83	1	0.355	1.863	0.015	0.079	0.014	0.073
19	4	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.390	1.951	0.014	0.072	0.013	0.067
19	5	20%	25%	0%	15%	10%	0%	5%	10%	5%	5%	0%	0%	0%	0%	5%	0%	20	250	LD	25	50	22	83	1	0.390	1.951	0.014	0.072	0.013	0.067
19	6	22%	25%	0%	15%	8%	2%	3%	10%	5%	3%	2%	0%	0%	0%	5%	2%	67	250	LD	25	50	22	83	1	0.368	6.169	0.014	0.237	0.013	0.218
19	7	21%	25%	0%	16%	9%	1%	3%	12%	4%	3%	1%	0%	0%	0%	4%	1%	122	250	LD	25	50	22	82	1	0.367	11.184	0.014	0.423	0.013	0.389
19	8	21%	26%	1%	15%	10%	1%	3%	12%	4%	3%	0%	0%	0%	0%	4%	1%	156	250	LD	25	50	23	79	1	0.358	13.977	0.013	0.514	0.012	0.473
19	9	22%	25%	0%	15%	9%	1%	2%	13%	4%	3%	1%	1%	1%	0%	5%	1%	134	250	LD	25	50	23	77	1	0.379	12.707	0.015	0.515	0.014	0.474
19	10	21%	25%	0%	15%	8%	1%	3%	12%	4%	3%	2%	1%	1%	0%	4%	1%	122	250	LD	25	50	24	74	1	0.371	11.330	0.016	0.490	0.015	0.451
19	11	23%	23%	0%	14%	7%	1%	2%	13%	4%	4%	3%	2%	2%	0%	5%	1%	111	250	LD	25	50	25	72	1	0.380	10.556	0.019	0.526	0.017	0.484
19	12	22%	21%	0%	13%	7%	1%	3%	12%	4%	3%	3%	3%	3%	0%	5%	1%	122	250	LD	25	50	25	71	1	0.399	12.180	0.021	0.647	0.020	0.595
19	13	24%	20%	0%	12%	7%	1%	2%	12%	4%	3%	4%	2%	2%	0%	6%	1%	123	250	LD	25	50	25	71	1	0.404	12.424	0.021	0.660	0.020	0.607
19	14	23%	19%	0%	11%	6%	1%	2%	12%	4%	3%	5%	3%	3%	1%	6%	1%	124	250	LD	25	50	25	71	1	0.426	13.213	0.024	0.737	0.022	0.678
19	15	24%	18%	0%	10%	5%	1%	2%	13%	4%	3%	5%	4%	4%	1%	6%	2%	134	250	LD	25	50	25	72	1	0.435	14.565	0.025	0.849	0.023	0.780
19	16	24%	17%	0%	9%	4%	1%	2%	13%	4%	3%	6%	4%	4%	1%	7%	2%	136	250	LD	25	50	24	74	1	0.472	16.055	0.028	0.945	0.026	0.869
19	17	25%	16%	0%	8%	4%	1%	1%	12%	4%	3%	8%	5%	5%	1%	8%	1%	147	250	LD	25	50	24	76	1	0.473	17.389	0.030	1.093	0.027	1.005
19	18	24%	16%	0%	8%	4%	1%	2%	13%	4%	3%	7%	4%	4%	1%	7%	2%	136	250	LD	25	50	23	77	1	0.477	16.216	0.029	0.980	0.027	0.901
19	19	24%	18%	0%	9%	4%	1%	2%	12%	4%	4%	6%	4%	4%	1%	6%	2%	114	250	LD	25	50	23	78	1	0.460	13.098	0.028	0.788	0.025	0.724
19	20	24%	18%	0%	9%	5%	1%	2%	12%	4%	3%	5%	4%	4%	0%	7%	1%	93	250	LD	25	50	23	79	1	0.446	10.367	0.027	0.626	0.025	0.576
19	21	24%	19%	0%	9%	5%	1%	1%	13%	4%	4%	5%	4%	4%	0%	6%	1%	79	250	LD	25	50	23	80	1	0.434	8.566	0.025	0.503	0.023	0.462
19	22	24%	20%	0%	9%	5%	1%	1%	13%	4%	4%	5%	4%	4%	0%	6%	1%	80	250	LD	25	50	23	81	1	0.434	8.672	0.025	0.505	0.023	0.465
19	23	24%	21%	0%	11%	6%	0%	2%	11%	5%	3%	5%	3%	3%	0%	6%	2%	66	250	LD	25	50	23	81	1	0.412	6.791	0.022	0.368	0.020	0.338
20	0	31%	28%	0%	10%	6%	1%	2%	9%	3%	2%	1%	1%	1%	0%	4%	2%	165	310	LD	24	50	23	82	1	0.332	16.973	0.013	0.667	0.012	0.615
20	1	31%	30%	0%	10%	5%	1%	2%	7%	3%	3%	1%	0%	0%	0%	4%	2%	97	310	LD	25	50	22	82	1	0.334	10.053	0.012	0.346	0.011	0.318
20	2	30%	30%	0%	10%	6%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	63	310	LD	25	50	22	83	1	0.326	6.364	0.011	0.223	0.011	0.205
20	3	30%	31%	0%	9%	6%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	64	310	LD	25	50	22	83	1	0.326	6.464	0.011	0.223	0.010	0.205
20	4	30%	31%	0%	9%	6%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	64	310	LD	25	50	22	83	1	0.326	6.464	0.011	0.223	0.010	0.205
20	5	29%	32%	0%	10%	6%	2%	3%	8%	3%	3%	0%	0%	0%	0%	3%	2%	63	310	LD	25	50	22	83	1	0.331	6.470	0.011	0.221	0.010	0.203
20	6	27%	31%	1%	11%	6%	1%	3%	9%	3%	3%	1%	1%	1%	0%	4%	1%	192	310	LD	23	50	22	83	1	0.357	21.272	0.013	0.788	0.012	0.727
20	7	26%	31%	0%	11%	6%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	1%	360	310	LD	21	50	22	82	1	0.394	43.919	0.014	1.532	0.013	1.409
20	8	25%	31%	0%	11%	7%	1%	3%	8%	4%	3%	0%	0%	0%	0%	4%	1%	453	310	LD	20	50	23	79	1	0.394	55.312	0.014	1.951	0.013	1.799
20	9	26%	31%	0%	11%	6%	1%	3%	8%	4%	3%	1%	0%	0%	0%	4%	1%	391	310	LD	21	50	23	77	1	0.389	47.164	0.014	1.642	0.012	1.511
20	10	28%	30%	0%	11%	6%	1%	2%	8%	4%	3%	1%	0%	0%	0%	4%	1%	360	310	LD	21	50	24	74	1	0.382	42.577	0.013	1.504	0.012	1.384
20	11	29%	29%	0%	10%	6%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	2%	330	310	LD	22	50	25	72	1	0.368	37.614	0.013	1.356	0.012	1.249
20	12	30%	29%	0%	10%	6%	1%	2%	8%	3%	3%	1%	0%	1%	0%	4%	2%	363	310	LD	21	50	25	71	1	0.374	42.052	0.014	1.540	0.013	1.416
20	13	31%	28%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	2%	364	310	LD	21	50	25	71	1	0.369	41.585	0.014	1.549	0.013	1.425
20	14	31%	27%	0%	10%	6%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	3%	369	310	LD	21	50	25	71	1	0.371	42.427	0.014	1.584	0.013	1.457
20	15	32%	27%	0%	9%	5%	1%	3%	8%	3%	3%	1%	1%	1%	0%	4%	3%	408	310	LD	21	50	25	72	1	0.363	45.885	0.014	1.774	0.013	1.631
20	16	33%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	411	310	LD	21	50	24	74	1	0.362	46.105	0.014	1.768	0.013	1.626
20	17	34%	25%	0%	9%	5%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	4%	446	310	LD	20	50	24	76	1	0.364	50.319	0.014	1.926	0.013	1.776
20	18	34%	26%	0%	9%	5%	1%	2%	8%	3%	3%	1%	1%	1%	0%	4%	4%	411	310	LD	21	50	23	77	1	0.363	46.204	0.014	1.765	0.013	1.623
20	19	33%	26%	0%	9%	5%	1%	2%	8%	3%	2%	1%	1%	1%	0%	4%	3%	340	310	LD	22	50	23	78	1	0.364	38.377	0.014	1.454	0.013	1.340
20	20	33%	27%	0%	9%	6%	1%	2%	8%	3%	3%	1%	0%	0%	0%	4%	3%	269	310	LD	22	50	23	79	1	0.360	30.015	0.013	1.119	0.012	1.031
20	21	33%	27%	0%	9%	6%	1%	2%	8%	3%	3%	0%	0%	0%	0%	4%	3%	234	310	LD	23	50	23	80	1	0.354	25.707	0.013	0.950	0.012	0.877
20	22	32%	27%	0%	9%	6%	1%	2%	8%	3%	3%	0%	0%	0%	0%	4%	3%	233	310	LD	23	50	23	81	1	0.355	25.643	0.013	0.945	0.012	0.872
20	23	31%	28%	0%	10%	6%	1%	2%	9%	3%	3%	1%	1%	1%	1%	4%	3%	196	310	LD	23	50	23	81	1	0.348	21.140	0.013	0.797	0.012	0.735
21	0	22%	22%	0%	9%	6%	0%	0%	22%	4%	4%	4%	2%	2%	0%	6%	0%	55	310	LD	25	50	23	82	1	0.405	6.904	0.021	0.361	0.019	0.332
21	1	21%	21%	0%	9%	6%	0%	0%	21%	3%	3%	3%	3%	3%	0%	6%	0%	33	310	LD	25	50	22	82	1	0.442	4.522	0.023	0.240	0.022	0.221
21	2	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.375	2.439	0.015	0.098	0.014	0.090
21	3	24%	24%	0%	10%	5%	0%	0%	24%	5%	5%	0%	0%	0%	0%	5%	0%	21	310	LD	25	50	22	83	1	0.375	2.439	0.015	0.098	0.014	0.090
21	4	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.392	2.429	0.016	0.096	0.014	0.089
21	5	20%	25%	0%	10%	5%	0%	0%	25%	5%	5%	0%	0%	0%	0%	5%	0%	20	310	LD	25	50	22	83	1	0.392	2.429	0.016	0.096	0.014	0.089
21	6	22%	25%	0%	10%	6%	0%	0%	24%	4%	4%	0%	0%	0%	0%	4%	0%	68	310	LD	25	50	22	83	1	0.374	7.875	0.015	0.313	0.014	0.288
21	7	20%	25%	0%	13%	6%	0%	1%	23%	5%	4%	0%	0%	0%	0%	4%	0%	128	310	LD	24	50	22	82	1	0.377	14.966	0.015	0.598	0.014	0.551
21	8	21%	25%	0%	12%	7%	0%	1%	22%	5%	4%	0%	0%	0%	0%	4%	0%	166	310	LD	24	50	23	79	1	0.365	18.785	0.015	0.766	0.014	0.705
21	9	21%	23%	0%	12%	7%	0%	1%	22%	5%	4%	1%	1%	1%	0%	3%	0%	145	310	LD	24	50	23	77	1	0.372	16.723	0.017	0.756	0.015	0.696
21	10	21%	23%	0%	12%	6%	0%	0%	23%	5%	4%	1%	1%	1%	0%	4%	0%	128	310	LD	24	50	24	74	1	0.376	14.905	0.017	0.677	0.016	0.624
21	11	22%	23%	0%	11%	6%	0%	0%	22%	4%	4%	2%	1%	1%	0%	4%	1%	114	310	LD	24	50	25	72	1	0.380	13.412	0.018	0.631	0.016	0.581
21	12	21%	23%	0%	11%	5%	0%	0%	21%	5%	4%	2%	2%	2%	0%	5%	1%	129	310	LD	24	50	25	71	1	0.397	15.857	0.020	0.785	0.018	0.722
21	13	22%	22%	0%	10%	6%	0%	0%	21%	4%	3%	2%	2%	2%	0%	5%	1%	123	310	LD	24	50	25	71	1	0.405	15.438	0.020	0.781	0.019	0.719
21	14	22%	21%	0%	9%	5%	0%	0%	21%	4%	3%	3%	2%	2%	0%	6%	1%	123	310	LD	24	50	25	71	1	0.422	16.105	0.022	0.854	0.021	0.786
21	15	23%	20%	0%	9%	4%	0%	0%	21%	4%	3%	4%	3%	3%	1%	6%	1%	138	310	LD	24	50	25	72	1	0.440	18.836	0.024	1.023	0.022	0.941
21	16	23%	19%	0%	8%	4%	0%	0%	20%	4%	3%	4%	3%	3%	1%	6%	2%	135	310	LD	24	50	24	74	1	0.446	18.681	0.024	1.024	0.023	0.942
21	17	23%	18%	0%	8%	4%	0%	0%	20%	3%	3%	5%	3%	3%	1%	7%	1%	147	310	LD	24	50	24	76	1	0.465	21.170	0.026	1.188	0.024	1.094
21	18	23%	19%	0%	8%	4%	0%	0%	20%	4%	3%	4%	4%	4%	1%	6%	2%	137	310	LD	24	50	23	77	1	0.456	19.375	0.026	1.089	0.024	1.002
21	19	22%	20%	0%	7%	4%	0%	0%	20%	4%	4%	4%	4%	4%	0%	6%	1%	113	310	LD	24	50	23	78	1	0.451	15.798	0.026	0.894	0.023	0.823
21	20	23%	21%	0%	8%	4%	0%	0%	21%	3%	3%	4%	3%	3%	0%	5%	1%	92	310	LD	25	50	23	79	1	0.423	12.065	0.024	0.695	0.022	0.639
21	21	23%	21%	0%	8%	5%	0%	0%	21%	4%	4%	4%	3%	3%	0%	5%	1%	80	310	LD	25	50	23	80	1	0.407	10.100	0.022	0.556	0.021	0.512
21	22	22%	21%	0%	9%	5%	0%	0%	21%	4%	4%	4%	3%	3%	0%	5%	1%	81	310	LD	25	50	23	81	1	0.402	10.095	0.022	0.559	0.020	0.514
21	23	24%	22%	0%	9%	4%	0%	0%	22%	4%	3%	3%	2%	2%	0%	4%	2%	68	310	LD	25	50	23	81	1	0.377	7.949	0.019	0.409	0.018	0.376
22	0	24%	22%	0%	13%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	108	330	LD	24	50	23	82	1	0.345	12.307	0.016	0.555	0.014	0.511
22	1	24%	23%	0%	11%	6%	0%	2%	11%	6%	6%	2%	2%	2%	0%	5%	3%	66	330	LD	25	50	22	82	1	0.373	8.128	0.017	0.365	0.015	0.335
22	2	25%	20%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	40	330	LD	25	50	22	83	1	0.351	4.639	0.014	0.190	0.013	0.175
22	3	25%	20%	0%	13%	8%	0%	0%	13%	8%	5%	3%	0%	0%	0%	5%	3%	40	330	LD	25	50	22	83	1	0.351	4.639	0.014	0.190	0.013	0.175
22	4	26%	21%	0%	13%	8%	0%	0%	10%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.348	4.478	0.014	0.179	0.013	0.165
22	5	26%	21%	0%	13%	8%	0%	0%	10%	8%	5%	3%	0%	0%	0%	5%	3%	39	330	LD	25	50	22	83	1	0.348	4.478	0.014	0.179	0.013	0.165
22	6	24%	21%	0%	13%	7%	0%	1%	12%	8%	6%	2%	1%	1%	0%	3%	3%	122	330	LD	24	50	22	83	1	0.340	13.680	0.015	0.620	0.014	0.571
22	7	23%	20%	1%	12%	8%	0%	1%	12%	8%	7%	1%	1%	1%	1%	4%	2%	221	330	LD	23	50	22	82	1	0.367	26.786	0.016	1.175	0.015	1.083
22	8	22%	20%	0%	12%	7%	0%	1%	12%	8%	7%	1%	1%	1%	0%	4%	2%	278	330	LD	22	50	23	79	1	0.383	35.110	0.017	1.581	0.016	1.456
22	9	23%	20%	0%	12%	7%	0%	1%	12%	8%	6%	2%	1%	1%	0%	4%	2%	249	330	LD	23	50	23	77	1	0.380	31.194	0.017	1.414	0.016	1.303
22	10	23%	21%	0%	12%	7%	0%	1%	12%	8%	7%	1%	1%	1%	0%	4%	2%	230	330	LD	23	50	24	74	1	0.362	27.464	0.016	1.219	0.015	1.124
22	11	23%	21%	1%	12%	7%	1%	1%	12%	7%	7%	1%	1%	1%	1%	4%	2%	217	330	LD	23	50	25	72	1	0.365	26.141	0.016	1.165	0.015	1.074
22	12	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	2%	246	330	LD	23	50	25	71	1	0.375	30.437	0.017	1.372	0.016	1.265
22	13	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	2%	251	330	LD	23	50	25	71	1	0.384	31.805	0.017	1.419	0.016	1.307
22	14	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	4%	3%	256	330	LD	22	50	25	71	1	0.390	32.939	0.017	1.459	0.016	1.344
22	15	23%	21%	0%	12%	7%	0%	1%	11%	7%	6%	1%	1%	1%	0%	4%	3%	283	330	LD	22	50	25	72	1	0.387	36.100	0.017	1.595	0.016	1.468

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
22	16	24%	21%	0%	12%	7%	0%	1%	11%	7%	6%	2%	1%	1%	0%	5%	3%	293	330	LD	22	50	24	74	1	0.397	38.359	0.017	1.650	0.016	1.519
22	17	23%	22%	0%	12%	7%	1%	2%	10%	6%	5%	2%	1%	1%	0%	5%	3%	327	330	LD	22	50	24	76	1	0.395	42.584	0.017	1.858	0.016	1.711
22	18	24%	21%	0%	12%	7%	0%	1%	10%	6%	5%	2%	1%	1%	0%	5%	3%	297	330	LD	22	50	23	77	1	0.398	39.018	0.017	1.654	0.016	1.523
22	19	23%	21%	0%	12%	7%	0%	1%	10%	7%	6%	2%	1%	1%	0%	5%	3%	245	330	LD	23	50	23	78	1	0.390	31.511	0.017	1.369	0.016	1.261
22	20	24%	22%	1%	12%	7%	1%	1%	11%	6%	5%	2%	1%	1%	1%	4%	3%	190	330	LD	23	50	23	79	1	0.373	23.406	0.017	1.039	0.015	0.958
22	21	24%	22%	0%	12%	7%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	162	330	LD	24	50	23	80	1	0.354	18.948	0.017	0.882	0.015	0.813
22	22	23%	21%	0%	13%	8%	1%	1%	11%	7%	5%	2%	1%	1%	0%	4%	3%	160	330	LD	24	50	23	81	1	0.359	18.944	0.017	0.895	0.016	0.824
22	23	23%	21%	0%	12%	7%	1%	2%	12%	6%	5%	2%	2%	2%	0%	4%	3%	137	330	LD	24	50	23	81	1	0.361	16.303	0.017	0.779	0.016	0.718
23	0	38%	8%	0%	10%	6%	2%	4%	0%	2%	2%	6%	4%	4%	0%	8%	4%	48	330	LD	25	50	23	82	1	0.425	6.734	0.027	0.421	0.024	0.387
23	1	46%	7%	0%	11%	7%	0%	4%	0%	4%	0%	4%	4%	4%	0%	7%	4%	28	330	LD	25	50	22	82	1	0.363	3.358	0.022	0.203	0.020	0.186
23	2	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	0.430	2.270	0.031	0.161	0.028	0.148
23	3	38%	6%	0%	13%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	330	LD	25	50	22	83	1	0.430	2.270	0.031	0.161	0.028	0.148
23	4	43%	7%	0%	14%	7%	0%	7%	0%	0%	0%	7%	0%	0%	0%	7%	7%	14	330	LD	25	50	22	83	1	0.358	1.652	0.018	0.084	0.017	0.077
23	5	39%	8%	0%	15%	8%	0%	8%	0%	0%	0%	8%	0%	0%	0%	8%	8%	13	330	LD	25	50	22	83	1	0.386	1.658	0.019	0.083	0.018	0.076
23	6	37%	2%	0%	14%	7%	6%	18%	0%	2%	2%	2%	2%	2%	0%	4%	2%	49	330	LD	25	50	22	83	1	0.387	6.251	0.025	0.410	0.023	0.377
23	7	41%	2%	0%	20%	11%	3%	8%	0%	3%	2%	2%	1%	1%	0%	2%	2%	88	330	LD	25	50	22	82	1	0.281	8.152	0.018	0.514	0.016	0.473
23	8	35%	1%	0%	26%	15%	3%	7%	0%	3%	3%	2%	1%	1%	0%	1%	4%	114	330	LD	25	50	23	79	1	0.267	10.048	0.017	0.628	0.015	0.578
23	9	36%	3%	0%	21%	12%	2%	6%	0%	3%	2%	3%	2%	2%	0%	3%	4%	99	330	LD	25	50	23	77	1	0.313	10.221	0.020	0.638	0.018	0.587
23	10	38%	4%	0%	18%	9%	2%	7%	0%	2%	2%	3%	2%	2%	0%	5%	5%	93	330	LD	25	50	24	74	1	0.360	11.050	0.021	0.640	0.019	0.589
23	11	35%	5%	0%	17%	9%	2%	5%	0%	2%	2%	4%	3%	3%	0%	6%	5%	96	330	LD	25	50	25	72	1	0.384	12.178	0.023	0.732	0.021	0.674
23	12	36%	7%	0%	13%	8%	2%	5%	0%	2%	2%	5%	4%	4%	1%	8%	6%	106	330	LD	24	50	25	71	1	0.443	15.506	0.025	0.890	0.023	0.820
23	13	32%	7%	0%	16%	9%	2%	5%	0%	2%	1%	5%	3%	3%	1%	9%	5%	121	330	LD	24	50	25	71	1	0.479	19.120	0.026	1.026	0.024	0.945
23	14	31%	8%	0%	14%	8%	2%	5%	0%	2%	1%	5%	4%	4%	1%	11%	5%	132	330	LD	24	50	25	71	1	0.515	22.432	0.027	1.177	0.025	1.084
23	15	31%	9%	0%	12%	7%	2%	6%	0%	1%	1%	7%	4%	4%	1%	11%	6%	154	330	LD	24	50	25	72	1	0.524	26.608	0.028	1.436	0.026	1.322
23	16	32%	10%	0%	12%	7%	1%	3%	0%	1%	1%	7%	4%	4%	1%	12%	6%	158	330	LD	24	50	24	74	1	0.542	28.276	0.029	1.496	0.026	1.378
23	17	30%	10%	0%	11%	7%	1%	3%	0%	1%	1%	8%	4%	5%	1%	13%	7%	184	330	LD	23	50	24	76	1	0.574	34.849	0.030	1.830	0.028	1.685
23	18	32%	11%	0%	10%	5%	1%	3%	0%	1%	1%	7%	5%	5%	1%	13%	6%	153	330	LD	24	50	23	77	1	0.572	28.895	0.030	1.493	0.027	1.375
23	19	33%	10%	0%	10%	5%	1%	3%	0%	1%	1%	7%	5%	5%	1%	13%	5%	120	330	LD	24	50	23	78	1	0.573	22.671	0.030	1.194	0.028	1.100
23	20	34%	9%	0%	12%	6%	1%	3%	0%	1%	1%	7%	4%	4%	1%	12%	4%	92	330	LD	25	50	23	79	1	0.526	15.970	0.028	0.852	0.026	0.784
23	21	33%	9%	0%	11%	7%	1%	4%	0%	1%	1%	6%	4%	5%	1%	10%	5%	78	330	LD	25	50	23	80	1	0.506	13.029	0.028	0.714	0.026	0.657
23	22	36%	9%	0%	10%	6%	1%	4%	0%	1%	1%	6%	4%	4%	1%	11%	4%	70	330	LD	25	50	23	81	1	0.516	11.909	0.028	0.643	0.026	0.592
23	23	34%	8%	0%	10%	7%	2%	5%	0%	2%	2%	7%	5%	5%	0%	10%	7%	62	330	LD	25	50	23	81	1	0.475	9.715	0.029	0.587	0.026	0.540
24	0	20%	22%	0%	8%	5%	1%	2%	16%	7%	6%	3%	2%	2%	0%	5%	1%	87	130	LD	25	50	23	82	1	0.397	4.496	0.022	0.246	0.020	0.226
24	1	21%	23%	0%	9%	4%	0%	2%	15%	9%	6%	2%	2%	2%	0%	4%	0%	47	130	LD	25	50	22	82	1	0.386	2.358	0.020	0.120	0.018	0.110
24	2	18%	21%	0%	9%	6%	0%	3%	15%	6%	6%	3%	3%	3%	0%	6%	0%	33	130	LD	25	50	22	83	1	0.448	1.921	0.024	0.102	0.022	0.094
24	3	16%	22%	0%	9%	6%	0%	3%	16%	6%	6%	3%	3%	3%	0%	6%	0%	32	130	LD	25	50	22	83	1	0.462	1.921	0.024	0.101	0.022	0.093
24	4	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	0.464	1.872	0.025	0.101	0.023	0.093
24	5	16%	19%	0%	10%	7%	0%	3%	16%	7%	7%	3%	3%	3%	0%	7%	0%	31	130	LD	25	50	22	83	1	0.464	1.872	0.025	0.101	0.023	0.093
24	6	18%	21%	0%	8%	5%	1%	2%	17%	7%	6%	3%	2%	2%	0%	5%	1%	95	130	LD	25	50	22	83	1	0.422	5.211	0.022	0.270	0.020	0.248
24	7	16%	21%	0%	10%	6%	1%	2%	17%	8%	6%	3%	2%	2%	1%	6%	1%	174	130	LD	25	50	22	82	1	0.447	10.104	0.022	0.505	0.021	0.465
24	8	15%	20%	1%	10%	6%	1%	2%	17%	8%	7%	3%	2%	2%	1%	5%	1%	221	130	LD	24	50	23	79	1	0.444	12.745	0.023	0.656	0.021	0.604
24	9	17%	21%	0%	10%	6%	1%	2%	17%	8%	6%	3%	2%	2%	1%	5%	1%	193	130	LD	25	50	23	77	1	0.429	10.760	0.022	0.547	0.020	0.503
24	10	17%	21%	0%	9%	6%	1%	2%	16%	8%	6%	3%	2%	2%	1%	6%	1%	180	130	LD	25	50	24	74	1	0.434	10.145	0.022	0.513	0.020	0.472
24	11	18%	21%	0%	10%	5%	1%	2%	16%	8%	7%	3%	2%	2%	1%	5%	1%	168	130	LD	25	50	25	72	1	0.412	9.002	0.021	0.464	0.020	0.427
24	12	18%	22%	0%	9%	5%	1%	2%	15%	8%	6%	3%	2%	2%	1%	5%	1%	191	130	LD	25	50	25	71	1	0.417	10.362	0.021	0.523	0.019	0.481
24	13	19%	22%	0%	9%	5%	1%	3%	14%	8%	6%	3%	2%	2%	1%	5%	1%	195	130	LD	25	50	25	71	1	0.415	10.521	0.021	0.536	0.019	0.493
24	14	20%	22%	0%	9%	5%	1%	3%	14%	8%	6%	3%	2%	2%	1%	5%	1%	199	130	LD	25	50	25	71	1	0.407	10.540	0.021	0.534	0.019	0.491
24	15	21%	23%	0%	8%	5%	1%	3%	14%	8%	6%	3%	2%	2%	1%	5%	1%	222	130	LD	24	50	25	72	1	0.414	11.953	0.021	0.599	0.019	0.552
24	16	21%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	1%	229	130	LD	24	50	24	74	1	0.412	12.254	0.021	0.618	0.019	0.569
24	17	22%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	1%	249	130	LD	24	50	24	76	1	0.404	13.081	0.020	0.661	0.019	0.609
24	18	22%	23%	0%	8%	4%	1%	3%	13%	7%	6%	3%	2%	2%	0%	5%	1%	230	130	LD	24	50	23	77	1	0.414	12.377	0.021	0.619	0.019	0.570
24	19	22%	23%	0%	8%	4%	1%	3%	13%	8%	6%	3%	2%	2%	1%	4%	1%	186	130	LD	25	50	23	78	1	0.398	9.632	0.020	0.492	0.019	0.452
24	20	21%	23%	0%	8%	4%	1%	3%	14%	8%	6%	3%	2%	2%	0%	5%	1%	145	130	LD	25	50	23	79	1	0.396	7.466	0.020	0.384	0.019	0.353
24	21	21%	23%	0%	8%	5%	1%	2%	14%	6%	6%	3%	2%	2%	0%	5%	1%	125	130	LD	25	50	23	80	1	0.402	6.534	0.021	0.347	0.020	0.319
24	22	21%	22%	0%	8%	5%	1%	3%	15%	7%	6%	3%	3%	3%	0%	5%	1%	122	130	LD	25	50	23	81	1	0.404	6.415	0.022	0.348	0.020	0.320
24	23	20%	22%	0%	8%	5%	1%	3%	16%	7%	6%	3%	2%	2%	0%	5%	1%	103	130	LD	25	50	23	81	1	0.400	5.362	0.021	0.278	0.019	0.256
25	0	44%	17%	0%	11%	6%	1%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	104	130	LD	25	50	23	82	1	0.310	4.197	0.016	0.220	0.015	0.202
25	1	47%	16%	0%	9%	6%	2%	3%	0%	2%	2%	3%	2%	2%	0%	5%	3%	64	130	LD	25	50	22	82	1	0.307	2.551	0.016	0.133	0.015	0.123
25	2	45%	15%	0%	10%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	40	130	LD	25	50	22	83	1	0.320	1.663	0.017	0.090	0.016	0.083
25	3	46%	13%	0%	10%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	5%	3%	39	130	LD	25	50	22	83	1	0.319	1.618	0.018	0.091	0.016	0.084
25	4	47%	13%	0%	11%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	38	130	LD	25	50	22	83	1	0.269	1.327	0.017	0.083	0.015	0.076
25	5	46%	13%	0%	13%	8%	0%	3%	0%	3%	3%	3%	3%	3%	0%	3%	3%	39	130	LD	25	50	22	83	1	0.272	1.380	0.017	0.086	0.016	0.079
25	6	43%	12%	0%	14%	7%	3%	7%	0%	2%	2%	2%	2%	2%	0%	2%	2%	123	130	LD	25	50	22	83	1	0.286	4.566	0.017	0.267	0.015	0.246
25	7	45%	11%	1%	16%	9%	1%	3%	0%	3%	2%	2%	1%	1%	0%	2%	2%	223	130	LD	25	50	22	82	1	0.245	7.089	0.014	0.406	0.013	0.373
25	8	44%	11%	1%	18%	11%	1%	3%	0%	3%	3%	1%	1%	1%	0%	1%	3%	280	130	LD	24	50	23	79	1	0.235	8.551	0.013	0.483	0.012	0.446
25	9	44%	12%	1%	16%	10%	1%	2%	0%	3%	2%	2%	1%	1%	0%	2%	3%	245	130	LD	24	50	23	77	1	0.256	8.152	0.014	0.445	0.013	0.411
25	10	44%	13%	1%	14%	9%	1%	3%	0%	3%	2%	2%	2%	2%	0%	3%	3%	225	130	LD	25	50	24	74	1	0.271	7.927	0.015	0.449	0.014	0.413
25	11	42%	14%	1%	14%	8%	1%	2%	0%	2%	2%	2%	2%	2%	1%	4%	4%	215	130	LD	25	50	25	72	1	0.302	8.437	0.016	0.443	0.015	0.408
25	12	43%	15%	0%	11%	7%	1%	3%	0%	2%	2%	3%	2%	2%	0%	5%	4%	236	130	LD	24	50	25	71	1	0.330	10.114	0.017	0.528	0.016	0.487
25	13	41%	15%	1%	12%	8%	1%	3%	0%	2%	2%	3%	2%	2%	0%	6%	3%	252	130	LD	24	50	25	71	1	0.359	11.770	0.018	0.598	0.017	0.551
25	14	40%	16%	0%	11%	7%	1%	3%	0%	2%	2%	3%	2%	2%	0%	6%	4%	258	130	LD	24	50	25	71	1	0.373	12.503	0.018	0.620	0.017	0.572
25	15	39%	17%	0%	10%	6%	1%	4%	0%	2%	1%	4%	2%	2%	0%	7%	4%	292	130	LD	24	50	25	72	1	0.389	14.762	0.020	0.744	0.018	0.685
25	16	39%	18%	0%	9%	6%	1%	2%	0%	2%	1%	4%	3%	3%	0%	7%	4%	297	130	LD	24	50	24	74	1	0.403	15.548	0.020	0.767	0.018	0.707
25	17	38%	18%	0%	9%	5%	1%	2%	0%	2%	1%	5%	3%	3%	1%	8%	6%	336	130	LD	24	50	24	76	1	0.421	18.374	0.021	0.916	0.019	0.845
25	18	39%	18%	0%	8%	5%	1%	2%	0%	1%	1%	4%	3%	3%	0%	8%	5%	290	130	LD	24	50	23	77	1	0.417	15.735	0.020	0.763	0.019	0.703
25	19	40%	18%	0%	9%	5%	1%	3%	0%	2%	1%	4%	3%	3%	0%	8%	3%	236	130	LD	24	50	23	78	1	0.409	12.558	0.021	0.633	0.019	0.583
25	20	40%	18%	0%	10%	6%	1%	3%	0%	2%	2%	4%	3%	3%	1%	7%	3%	188	130	LD	25	50	23	79	1	0.395	9.646	0.020	0.480	0.018	0.442
25	21	40%	17%	0%	11%	6%	1%	3%	0%	2%	1%	4%	3%	3%	1%	7%	3%	159	130	LD	25	50	23	80	1	0.378	7.815	0.019	0.391	0.017	0.359
25	22	42%	17%	0%	10%	5%	1%	3%	0%	2%	2%	3%	3%	3%	1%	7%	3%	154	130	LD	25	50	23	81	1	0.367	7.350	0.019	0.372	0.017	0.343
25	23	42%	17%	0%	11%	5%	1%	2%	0%	2%	2%	3%	2%	2%	1%	5%	4%	130	130	LD	25	50	23	81	1	0.344	5.818	0.017	0.294	0.016	0.270
26	0	41%	18%	0%	11%	6%	2%	4%	0%	3%	3%	3%	2%	2%	0%	3%	3%	160	130	DD	29	50	23	82	1	0.260	5.418	0.015	0.309	0.014	0.285
26	1	41%	20%	0%	9%	6%	2%	4%	0%	3%	2%	2%	2%	2%	0%	2%	3%	92	130	DD	30	50	22	82	1	0.261	3.122	0.015	0.177	0.014	0.163
26	2	41%	20%	0%	8%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	5%	61	130	DD	30	50	22	83	1	0.250	1.979	0.014	0.112	0.013	0.103
26	3	42%	20%	0%	8%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	3%	60	130	DD	30	50	22	83	1	0.249	1.944	0.014	0.113	0.013	0.104
26	4	41%	20%	0%	9%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	3%	59	130	DD	30	50	22	83	1	0.253	1.939	0.015	0.112	0.013	0.103
26	5	39%	20%	0%	8%	5%	2%	5%	0%	3%	3%	3%	2%	2%	0%	2%	7%	61	130	DD	30	50	22	83	1	0.256	2.031	0.014	0.112	0.013	0.103
26	6	38%	20%	0%	9%	5%	2%	6%	0%	4%	3%	3%	3%	3%	0%	2%	3%	189	130	DD	29	50	22	83	1	0.273	6.709	0.017	0.418	0.016	0.385
26	7	37%	19%	0%	8%	5%	2%	6%	0%	4%	3%	4%	3%	3%	0%	2%	3%	361	130	DD	27	50	22	82	1	0.293	13.749	0.019	0.882	0.017	0.812
26	8	35%	19%	0%	9%	5%	2%	6%	0%	4%	4%	4%	3%	3%	0%	2%	4%	470	130	DD	25	50	23	79	1	0.304	18.562	0.020	1.193	0.018	1.098
26	9	37%	19%	0%	9%	6%	2%	6%	0%	4%	4%	4%	3%	3%	0%	2%	4%	397	130	DD	26	50	23	77	1	0.298	15.358	0.018	0.946	0.017	0.871
26	10	37%	19%	0%	10%	6%	2%	6%	0%	4%	3%	3%	2%	2%	0%	2%	4%	367	130	DD	27	50	24	74	1	0.285	13.614	0.017	0.815	0.016	0.750
26	11	39%	18%	0%	11%	6%	2%	5%	0%	4%	3%	3%	2%	2%	0%	2%	4%	330	130	DD	27	50	25	72	1	0.276	11.845	0.016	0.688	0.015	0.633
26	12	39%	17%	0%	11%	6%	2%	7%	0%	3%	3%	3%	2%	2%	0%	2%	4%	368	130	DD	27	50	25	71	1	0.286	13.683	0.016	0.770	0.015	0.709
26	13	41%	18%	0%	10%	6%	2%	6%	0%	3%	3%	2%	1%	1%	0%	3%	3%	356	130	DD	27	50	25	71	1	0.284	13.160	0.015	0.693	0.014	0.638
26	14	41%	17%	0%	11%	7%	2%	5%	0%	3%	2%	2%	1%	1%	0%	3%	4%	363	130	DD	27	50	25	71	1	0.287	13.529	0.015	0.695	0.014	0.640
26	15	41%	17%	0%	13%	7%	1%	4%	0%	3%	2%	2%	1%	1%	0%	3%	4%	399	130	DD	26	50	25	72	1	0.281	14.596	0.014	0.703	0.012	0.647
26	16	43%	16%	0%	13%	8%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	392	130	DD	27	50	24	74	1	0.283	14.405	0.013	0.653	0.012	0.601
26	17	45%	17%	0%	12%	7%	1%	4%	0%	2%	2%	1%	1%	1%	0%	4%	4%	415	130	DD	26	50	24	76	1	0.281	15.187	0.012	0.657	0.011	0.605
26	18	44%	17%	0%	12%	7%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	381	130	DD	27	50	23	77	1	0.283	14.009	0.013	0.626	0.012	0.577
26	19	44%	18%	0%	11%	7%	1%	4%	0%	3%	2%	1%	1%	1%	0%	4%	4%	315	130	DD	27	50	23	78	1	0.283	11.587	0.013	0.542	0.012	0.499
26	20	42%	17%	0%	12%	7%	2%	4%	0%	2%	2%	2%	1%	1%	0%	3%	3%	257	130	DD	28	50	23	79	1	0.276	9.230	0.014	0.456	0.013	0.419
26	21	42%	17%	1%	12%	7%	2%	5%	0%	3%	2%	2%	1%	1%	0%	3%	3%	234	130	DD	28	50	23	80	1	0.266	8.082	0.014	0.425	0.013	0.391
26	22	43%	18%	1%	10%	6%	2%	5%	0%	3%	2%	2%	1%	1%	0%	3%	3%	220	130	DD	28	50	23	81	1	0.265	7.582	0.014	0.402	0.013	0.370
26	23	43%	18%	0%	11%	6%	2%	4%	0%	3%	3%	2%	2%	2%	0%	3%	3%	186	130	DD	29	50	23	81	1	0.259	6.271	0.014	0.339	0.013	0.313
27	0	21%	23%	0%	8%	6%	0%	0%	13%	6%	6%	2%	2%	2%	0%	8%	2%	48	130	LD	25	50	23	82	1	0.447	2.791	0.020	0.124	0.018	0.114
27	1	17%	21%	0%	10%	7%	0%	0%	14%	7%	7%	3%	3%	3%	0%	7%	0%	29	130	LD	25	50	22	82	1	0.455	1.714	0.024	0.089	0.022	0.082
27	2	24%	24%	0%	12%	6%	0%	0%	12%	6%	6%	6%	0%	0%	0%	6%	0%	17	130	LD	25	50	22	83	1	0.376	0.832	0.017	0.037	0.015	0.034
27	3	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.402	0.785	0.014	0.026	0.012	0.024
27	4	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.402	0.785	0.014	0.026	0.012	0.024
27	5	20%	27%	0%	13%	7%	0%	0%	13%	7%	7%	0%	0%	0%	0%	7%	0%	15	130	LD	25	50	22	83	1	0.402	0.785	0.014	0.026	0.012	0.024
27	6	19%	28%	0%	8%	6%	0%	0%	13%	8%	6%	2%	2%	2%	0%	6%	2%	53	130	LD	25	50	22	83	1	0.412	2.839	0.018	0.123	0.016	0.113
27	7	18%	27%	0%	8%	5%	0%	1%	15%	8%	6%	2%	2%	2%	0%	5%	2%	101	130	LD	25	50	22	82	1	0.410	5.383	0.019	0.248	0.017	0.228
27	8	17%	28%	0%	9%	5%	0%	1%	15%	9%	6%	2%	2%	2%	0%	5%	2%	127	130	LD	24	50	23	79	1	0.404	6.664	0.018	0.303	0.017	0.279
27	9	18%	27%	0%	9%	4%	0%	1%	15%	7%	6%	3%	2%	2%	0%	5%	2%	113	130	LD	24	50	23	77	1	0.421	6.181	0.019	0.284	0.018	0.261
27	10	19%	26%	0%	8%	5%	0%	1%	15%	8%	6%	3%	2%	2%	0%	6%	1%	102	130	LD	24	50	24	74	1	0.425	5.638	0.020	0.267	0.019	0.246
27	11	20%	24%	0%	8%	5%	0%	1%	15%	7%	6%	2%	2%	2%	0%	6%	1%	96	130	LD	25	50	25	72	1	0.418	5.216	0.020	0.248	0.018	0.228
27	12	20%	23%	0%	9%	5%	0%	1%	14%	7%	6%	3%	2%	2%	1%	7%	1%	108	130	LD	24	50	25	71	1	0.461	6.474	0.021	0.291	0.019	0.267
27	13	21%	21%	0%	10%	5%	0%	1%	13%	6%	5%	3%	2%	2%	1%	9%	1%	112	130	LD	24	50	25	71	1	0.487	7.087	0.021	0.307	0.019	0.283
27	14	21%	21%	0%	10%	5%	0%	1%	13%	6%	5%	3%	2%	2%	1%	9%	1%	113	130	LD	24	50	25	71	1	0.482	7.085	0.021	0.309	0.019	0.284
27	15	23%	20%	0%	10%	6%	0%	1%	14%	6%	5%	2%	2%	2%	1%	10%	1%	126	130	LD	24	50	25	72	1	0.482	7.890	0.021	0.339	0.019	0.312
27	16	23%	18%	0%	11%	5%	0%	1%	13%	6%	5%	2%	2%	2%	1%	11%	1%	132	130	LD	24	50	24	74	1	0.515	8.844	0.023	0.386	0.021	0.356
27	17	23%	17%	0%	10%	6%	1%	1%	12%	6%	5%	3%	2%	2%	1%	11%	1%	146	130	LD	24	50	24	76	1	0.517	9.806	0.023	0.435	0.021	0.400
27	18	23%	18%	0%	10%	5%	0%	1%	13%	6%	5%	3%	2%	2%	1%	10%	1%	134	130	LD	24	50	23	77	1	0.509	8.874	0.023	0.392	0.021	0.361
27	19	22%	19%	0%	10%	6%	0%	1%	13%	6%	5%	3%	2%	2%	1%	10%	1%	108	130	LD	24	50	23	78	1	0.512	7.188	0.022	0.307	0.020	0.283
27	20	22%	20%	0%	9%	5%	0%	1%	13%	6%	5%	2%	2%	2%	1%	9%	1%	85	130	LD	25	50	23	79	1	0.496	5.481	0.022	0.244	0.020	0.225
27	21	23%	21%	0%	8%	6%	0%	1%	14%	7%	6%	3%	1%	1%	0%	8%	1%	73	130	LD	25	50	23	80	1	0.437	4.143	0.020	0.186	0.018	0.171
27	22	22%	22%	0%	8%	6%	0%	1%	14%	7%	6%	3%	1%	1%	0%	8%	1%	73	130	LD	25	50	23	81	1	0.440	4.172	0.020	0.186	0.018	0.171
27	23	23%	23%	0%	8%	5%	0%	2%	12%	7%	5%	3%	2%	2%	0%	8%	2%	61	130	LD	25	50	23	81	1	0.437	3.463	0.020	0.156	0.018	0.143
28	0	30%	22%	0%	11%	5%	3%	3%	0%	3%	3%	3%	3%	3%	0%	11%	3%	37	60	LD	25	50	23	82	1	0.472	1.049	0.021	0.046	0.019	0.042
28	1	45%	20%	0%	10%	5%	0%	5%	0%	0%	0%	5%	0%	0%	0%	10%	0%	20	60	LD	25	50	22	82	1	0.397	0.477	0.016	0.019	0.015	0.018

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
28	2	33%	25%	0%	17%	8%	0%	8%	0%	0%	0%	0%	0%	0%	0%	8%	0%	12	60	LD	25	50	22	83	1	0.414	0.298	0.014	0.010	0.013	0.009
28	3	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	0.459	0.276	0.016	0.009	0.015	0.009
28	4	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	0.459	0.276	0.016	0.009	0.015	0.009
28	5	30%	20%	0%	20%	10%	0%	10%	0%	0%	0%	0%	0%	0%	0%	10%	0%	10	60	LD	25	50	22	83	1	0.459	0.276	0.016	0.009	0.015	0.009
28	6	23%	9%	0%	13%	8%	7%	18%	0%	2%	2%	2%	2%	2%	0%	7%	2%	43	60	LD	25	50	22	83	1	0.491	1.268	0.027	0.071	0.025	0.065
28	7	35%	7%	0%	21%	13%	2%	5%	0%	1%	1%	1%	1%	1%	0%	6%	3%	69	60	LD	25	50	22	82	1	0.363	1.504	0.018	0.073	0.016	0.067
28	8	28%	4%	0%	29%	16%	1%	4%	0%	2%	1%	1%	1%	1%	0%	6%	4%	90	60	LD	25	50	23	79	1	0.366	1.975	0.017	0.091	0.016	0.084
28	9	30%	9%	0%	24%	13%	1%	4%	0%	3%	1%	1%	1%	1%	0%	6%	5%	78	60	LD	25	50	23	77	1	0.381	1.785	0.017	0.078	0.015	0.072
28	10	29%	15%	0%	19%	10%	1%	4%	0%	1%	1%	3%	1%	1%	0%	8%	5%	75	60	LD	25	50	24	74	1	0.416	1.873	0.018	0.079	0.016	0.073
28	11	28%	18%	0%	17%	10%	1%	4%	0%	1%	1%	3%	1%	1%	0%	8%	5%	76	60	LD	25	50	25	72	1	0.418	1.905	0.017	0.078	0.016	0.072
28	12	29%	21%	0%	14%	7%	1%	4%	0%	1%	1%	2%	2%	2%	1%	8%	5%	84	60	LD	25	50	25	71	1	0.460	2.318	0.019	0.097	0.018	0.089
28	13	26%	21%	0%	17%	9%	2%	5%	0%	1%	1%	2%	2%	2%	1%	8%	3%	98	60	LD	25	50	25	71	1	0.461	2.712	0.019	0.111	0.017	0.102
28	14	25%	23%	0%	14%	9%	2%	4%	0%	1%	1%	3%	2%	2%	1%	10%	4%	104	60	LD	25	50	25	71	1	0.489	3.051	0.019	0.121	0.018	0.111
28	15	26%	25%	0%	12%	7%	2%	6%	0%	2%	1%	3%	2%	2%	1%	10%	3%	121	60	LD	24	50	25	72	1	0.505	3.664	0.020	0.143	0.018	0.132
28	16	25%	27%	0%	12%	7%	1%	3%	0%	2%	1%	3%	2%	2%	1%	11%	3%	127	60	LD	24	50	24	74	1	0.525	4.001	0.020	0.153	0.019	0.141
28	17	24%	28%	0%	12%	6%	1%	3%	0%	1%	1%	3%	2%	2%	1%	11%	5%	145	60	LD	24	50	24	76	1	0.520	4.522	0.019	0.164	0.017	0.152
28	18	26%	29%	0%	10%	5%	1%	3%	0%	2%	1%	3%	3%	3%	1%	12%	3%	121	60	LD	24	50	23	77	1	0.542	3.936	0.020	0.148	0.019	0.137
28	19	26%	29%	0%	11%	5%	1%	3%	0%	1%	1%	3%	2%	2%	1%	12%	2%	93	60	LD	25	50	23	78	1	0.533	2.974	0.020	0.110	0.018	0.102
28	20	26%	29%	0%	11%	7%	1%	3%	0%	1%	1%	3%	3%	3%	1%	10%	1%	73	60	LD	25	50	23	79	1	0.498	2.183	0.020	0.086	0.018	0.080
28	21	27%	27%	0%	13%	8%	2%	3%	0%	2%	2%	3%	2%	2%	0%	10%	2%	63	60	LD	25	50	23	80	1	0.455	1.719	0.018	0.067	0.016	0.062
28	22	28%	28%	0%	10%	7%	2%	3%	0%	2%	2%	3%	2%	2%	0%	10%	2%	58	60	LD	25	50	23	81	1	0.467	1.624	0.018	0.064	0.017	0.059
28	23	29%	25%	0%	10%	6%	2%	4%	0%	2%	2%	2%	2%	2%	0%	10%	4%	49	60	LD	25	50	23	81	1	0.468	1.376	0.019	0.055	0.017	0.050
29	0	36%	17%	0%	13%	7%	2%	6%	0%	2%	2%	4%	2%	2%	0%	4%	2%	47	60	LD	25	50	23	82	1	0.342	0.966	0.020	0.055	0.018	0.051
29	1	31%	19%	0%	10%	5%	4%	8%	0%	4%	4%	4%	4%	4%	0%	4%	0%	26	60	LD	25	50	22	82	1	0.380	0.593	0.024	0.037	0.022	0.034
29	2	31%	19%	0%	6%	6%	0%	6%	0%	0%	0%	6%	6%	6%	0%	6%	6%	16	60	LD	25	50	22	83	1	0.459	0.441	0.030	0.028	0.027	0.026
29	3	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	0.460	0.414	0.031	0.028	0.029	0.026
29	4	33%	20%	0%	7%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	7%	0%	15	60	LD	25	50	22	83	1	0.460	0.414	0.031	0.028	0.029	0.026
29	5	28%	17%	0%	6%	6%	6%	6%	0%	0%	0%	6%	6%	6%	0%	6%	11%	18	60	LD	25	50	22	83	1	0.457	0.494	0.028	0.031	0.026	0.028
29	6	37%	16%	0%	8%	4%	4%	8%	0%	2%	2%	6%	4%	4%	0%	4%	2%	51	60	LD	25	50	22	83	1	0.367	1.123	0.025	0.077	0.023	0.071
29	7	38%	16%	0%	6%	4%	3%	9%	0%	2%	2%	6%	4%	4%	0%	3%	2%	96	60	LD	25	50	22	82	1	0.363	2.091	0.026	0.151	0.024	0.139
29	8	35%	14%	0%	10%	6%	3%	9%	0%	2%	2%	5%	4%	4%	0%	2%	4%	130	60	LD	24	50	23	79	1	0.356	2.778	0.025	0.195	0.023	0.180
29	9	35%	16%	0%	9%	5%	3%	9%	0%	3%	2%	6%	4%	4%	0%	3%	3%	109	60	LD	24	50	23	77	1	0.366	2.397	0.025	0.163	0.023	0.150
29	10	33%	16%	0%	11%	7%	3%	9%	0%	2%	2%	5%	4%	4%	0%	3%	3%	107	60	LD	25	50	24	74	1	0.362	2.325	0.024	0.155	0.022	0.143
29	11	33%	17%	0%	12%	7%	2%	7%	0%	2%	2%	4%	3%	3%	0%	3%	3%	96	60	LD	25	50	25	72	1	0.346	1.995	0.022	0.125	0.020	0.115
29	12	29%	16%	0%	12%	8%	4%	11%	0%	3%	2%	4%	3%	3%	0%	3%	3%	116	60	LD	25	50	25	71	1	0.375	2.612	0.023	0.159	0.021	0.147
29	13	33%	19%	0%	11%	7%	2%	7%	0%	3%	2%	4%	3%	3%	0%	5%	2%	104	60	LD	25	50	25	71	1	0.377	2.350	0.021	0.134	0.020	0.123
29	14	29%	19%	0%	15%	8%	3%	7%	0%	3%	2%	4%	3%	3%	0%	5%	2%	111	60	LD	25	50	25	71	1	0.380	2.533	0.021	0.140	0.019	0.129
29	15	28%	19%	0%	16%	9%	2%	5%	0%	2%	2%	3%	2%	2%	0%	5%	3%	127	60	LD	24	50	25	72	1	0.385	2.933	0.020	0.150	0.018	0.138
29	16	27%	20%	0%	16%	9%	2%	5%	0%	2%	2%	3%	2%	2%	0%	6%	2%	125	60	LD	24	50	24	74	1	0.405	3.035	0.020	0.148	0.018	0.136
29	17	29%	24%	0%	14%	7%	2%	4%	0%	2%	2%	2%	2%	2%	1%	6%	2%	126	60	LD	24	50	24	76	1	0.421	3.184	0.018	0.135	0.016	0.124
29	18	30%	23%	0%	13%	7%	2%	5%	0%	3%	3%	3%	2%	2%	0%	6%	3%	111	60	LD	24	50	23	77	1	0.406	2.702	0.018	0.118	0.016	0.109
29	19	29%	23%	0%	12%	6%	2%	5%	0%	3%	2%	3%	2%	2%	0%	7%	2%	92	60	LD	25	50	23	78	1	0.406	2.241	0.019	0.106	0.018	0.098
29	20	28%	22%	0%	15%	8%	1%	5%	0%	3%	3%	4%	3%	3%	0%	5%	1%	78	60	LD	25	50	23	79	1	0.386	1.805	0.020	0.093	0.018	0.086
29	21	29%	20%	0%	15%	8%	2%	8%	0%	3%	1%	3%	3%	3%	0%	5%	1%	77	60	LD	25	50	23	80	1	0.396	1.828	0.021	0.096	0.019	0.088
29	22	32%	22%	0%	10%	5%	2%	9%	0%	3%	2%	3%	3%	3%	0%	5%	2%	63	60	LD	25	50	23	81	1	0.388	1.466	0.022	0.083	0.020	0.076
29	23	33%	20%	0%	10%	6%	2%	6%	0%	2%	2%	4%	4%	4%	0%	6%	2%	54	60	LD	25	50	23	81	1	0.394	1.276	0.022	0.073	0.021	0.067
30	0	22%	26%	0%	13%	9%	0%	4%	0%	4%	0%	4%	4%	4%	0%	4%	4%	23	80	LD	25	50	23	82	1	0.399	0.734	0.022	0.041	0.020	0.037
30	1	43%	21%	0%	14%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	7%	14	80	LD	25	50	22	82	1	0.335	0.376	0.009	0.010	0.008	0.009
30	2	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	0.512	0.287	0.013	0.007	0.012	0.007
30	3	29%	29%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	7	80	LD	25	50	22	83	1	0.512	0.287	0.013	0.007	0.012	0.007
30	4	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	0.535	0.257	0.015	0.007	0.014	0.007
30	5	33%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	6	80	LD	25	50	22	83	1	0.535	0.257	0.015	0.007	0.014	0.007
30	6	17%	10%	0%	16%	8%	7%	20%	0%	0%	0%	3%	3%	3%	0%	7%	3%	29	80	LD	25	50	22	83	1	0.534	1.238	0.031	0.072	0.029	0.067
30	7	27%	6%	0%	29%	17%	1%	4%	0%	0%	0%	2%	2%	2%	0%	6%	4%	48	80	LD	25	50	22	82	1	0.398	1.530	0.019	0.074	0.018	0.068
30	8	21%	3%	1%	37%	20%	0%	2%	0%	0%	0%	3%	2%	2%	0%	6%	6%	68	80	LD	25	50	23	79	1	0.390	2.121	0.018	0.098	0.017	0.090
30	9	21%	9%	0%	30%	18%	0%	2%	0%	0%	0%	4%	2%	2%	0%	5%	7%	56	80	LD	25	50	23	77	1	0.393	1.759	0.018	0.082	0.017	0.075
30	10	24%	14%	0%	23%	13%	0%	2%	0%	2%	0%	4%	2%	2%	0%	6%	8%	50	80	LD	25	50	24	74	1	0.394	1.576	0.018	0.072	0.017	0.067
30	11	23%	19%	0%	21%	11%	0%	2%	0%	2%	2%	2%	2%	2%	0%	6%	8%	52	80	LD	25	50	25	72	1	0.390	1.624	0.016	0.067	0.015	0.062
30	12	26%	26%	0%	14%	9%	0%	2%	0%	2%	2%	4%	2%	2%	0%	6%	7%	55	80	LD	25	50	25	71	1	0.385	1.693	0.016	0.070	0.015	0.065
30	13	20%	26%	0%	19%	12%	1%	4%	0%	2%	2%	3%	2%	2%	0%	5%	5%	66	80	LD	25	50	25	71	1	0.387	2.044	0.016	0.085	0.015	0.078
30	14	21%	27%	0%	16%	9%	2%	5%	0%	3%	1%	3%	1%	1%	0%	4%	6%	70	80	LD	25	50	25	71	1	0.381	2.135	0.016	0.090	0.015	0.083
30	15	21%	28%	0%	11%	7%	3%	7%	0%	2%	2%	2%	2%	2%	0%	5%	6%	85	80	LD	25	50	25	72	1	0.411	2.796	0.019	0.128	0.017	0.118
30	16	23%	33%	0%	12%	6%	1%	2%	0%	2%	2%	2%	2%	2%	0%	5%	6%	83	80	LD	25	50	24	74	1	0.393	2.610	0.016	0.106	0.015	0.098
30	17	21%	34%	0%	10%	7%	1%	2%	0%	3%	2%	3%	2%	2%	0%	4%	8%	96	80	LD	25	50	24	76	1	0.383	2.938	0.015	0.117	0.014	0.107
30	18	22%	38%	0%	8%	4%	1%	3%	0%	3%	3%	3%	3%	3%	0%	5%	7%	77	80	LD	25	50	23	77	1	0.413	2.547	0.016	0.100	0.015	0.092
30	19	23%	37%	0%	8%	5%	2%	3%	0%	3%	3%	3%	2%	2%	0%	5%	3%	60	80	LD	25	50	23	78	1	0.392	1.884	0.015	0.074	0.014	0.068
30	20	22%	38%	0%	12%	6%	0%	2%	0%	2%	2%	2%	2%	2%	0%	4%	4%	45	80	LD	25	50	23	79	1	0.384	1.383	0.014	0.052	0.013	0.048
30	21	20%	34%	0%	14%	8%	0%	2%	0%	2%	2%	2%	2%	2%	0%	5%	5%	41	80	LD	25	50	23	80	1	0.401	1.314	0.016	0.052	0.015	0.048
30	22	23%	34%	0%	11%	6%	0%	3%	0%	3%	3%	3%	3%	3%	0%	6%	3%	35	80	LD	25	50	23	81	1	0.410	1.148	0.018	0.050	0.016	0.046
30	23	19%	32%	0%	10%	7%	0%	3%	0%	3%	3%	3%	3%	3%	0%	7%	7%	31	80	LD	25	50	23	81	1	0.443	1.098	0.019	0.048	0.018	0.044
31	0	23%	18%	0%	22%	14%	0%	5%	0%	5%	5%	0%	0%	0%	0%	9%	0%	22	80	LD	25	50	23	82	1	0.428	0.753	0.014	0.025	0.013	0.023
31	1	22%	22%	0%	29%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	0%	9	80	LD	25	50	22	82	1	0.463	0.334	0.012	0.009	0.011	0.008
31	2	17%	17%	0%	17%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	17%	6	80	LD	25	50	22	83	1	0.604	0.290	0.015	0.007	0.014	0.006
31	3	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	0.638	0.255	0.017	0.007	0.015	0.006
31	4	20%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	5	80	LD	25	50	22	83	1	0.638	0.255	0.017	0.007	0.015	0.006
31	5	14%	14%	0%	14%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	29%	7	80	LD	25	50	22	83	1	0.578	0.324	0.013	0.008	0.012	0.007
31	6	15%	23%	0%	23%	15%	0%	8%	0%	0%	0%	0%	0%	0%	0%	15%	0%	13	80	LD	25	50	22	83	1	0.597	0.621	0.018	0.018	0.016	0.017
31	7	20%	20%	0%	13%	10%	1%	6%	0%	3%	3%	3%	3%	3%	0%	10%	3%	30	80	LD	25	50	22	82	1	0.515	1.237	0.024	0.057	0.022	0.052
31	8	14%	14%	0%	23%	14%	2%	5%	0%	2%	0%	2%	2%	2%	0%	9%	9%	43	80	LD	25	50	23	79	1	0.503	1.729	0.021	0.072	0.019	0.067
31	9	16%	16%	0%	22%	13%	0%	3%	0%	3%	3%	3%	3%	3%	0%	11%	5%	37	80	LD	25	50	23	77	1	0.519	1.537	0.021	0.064	0.020	0.059
31	10	16%	16%	0%	23%	14%	1%	6%	0%	2%	2%	2%	2%	2%	0%	9%	5%	44	80	LD	25	50	24	74	1	0.494	1.740	0.021	0.075	0.020	0.069
31	11	17%	17%	0%	24%	14%	0%	2%	0%	2%	2%	2%	2%	2%	0%	10%	5%	42	80	LD	25	50	25	72	1	0.481	1.617	0.020	0.067	0.018	0.062
31	12	14%	14%	0%	21%	13%	4%	12%	0%	3%	2%	2%	2%	2%	0%	9%	3%	58	80	LD	25	50	25	71	1	0.505	2.343	0.023	0.106	0.021	0.098
31	13	16%	20%	0%	20%	11%	1%	5%	0%	4%	4%	2%	2%	2%	0%	12%	2%	51	80	LD	25	50	25	71	1	0.531	2.167	0.021	0.086	0.019	0.079
31	14	14%	19%	0%	23%	13%	1%	6%	0%	3%	3%	2%	2%	2%	0%	10%	2%	58	80	LD	25	50	25	71	1	0.508	2.355	0.020	0.093	0.018	0.086
31	15	13%	18%	0%	26%	14%	2%	2%	0%	4%	3%	1%	1%	1%	1%	9%	3%	76	80	LD	25	50	25	72	1	0.493	2.997	0.018	0.107	0.016	0.099
31	16	15%	20%	0%	25%	14%	1%	1%	0%	4%	3%	1%	1%	1%	1%	11%	1%	76	80	LD	25	50	24	74	1	0.512	3.113	0.017	0.106	0.016	0.098
31	17	17%	22%	0%	19%	11%	1%	3%	0%	4%	4%	1%	1%	1%	1%	13%	1%	77	80	LD	25	50	24	76	1	0.555	3.421	0.019	0.115	0.017	0.106
31	18	15%	23%	0%	19%	11%	2%	2%	0%	5%	5%	2%	2%	2%	2%	12%	2%	66	80	LD	25	50	23	77	1	0.554	2.926	0.019	0.098	0.017	0.090
31	19	15%	26%	0%	18%	10%	0%	2%	0%	4%	4%	2%	2%	2%	0%	13%	0%	46	80	LD	25	50	23	78	1	0.550	2.023	0.020	0.074	0.018	0.068
31	20	14%	19%	0%	25%	13%	0%	2%	0%	5%	2%	2%	2%	2%	0%	12%	0%	42	80	LD	25	50	23	79	1	0.526	1.767	0.021	0.070	0.019	0.065
31	21	17%	17%	0%	25%	15%	2%	8%	0%	2%	2%	2%	0%	0%	0%	10%	0%	42	80	LD	25	50	23	80	1	0.476	1.599	0.018	0.060	0.017	0.056
31	22	17%	21%	0%	17%	10%	2%	9%	0%	3%	3%	3%	0%	0%	0%	14%	0%	29	80	LD	25	50	23	81	1	0.554	1.284	0.020	0.046	0.018	0.043
31	23	17%	22%	0%	20%	10%	0%	4%	0%	4%	4%	4%	0%	0%	0%	13%	0%	23	80	LD	25	50	23	81	1	0.517	0.951	0.018	0.033	0.017	0.030
32	0	22%	22%	0%	6%	6%	0%	6%	0%	6%	6%	11%	6%	6%	0%	0%	6%	18	220	LD	25	50	23	82	1	0.347	1.375	0.029	0.114	0.027	0.105
32	1	17%	17%	0%	8%	0%	0%	8%	0%	8%	8%	8%	8%	8%	0%	0%	8%	12	220	LD	25	50	22	82	1	0.401	1.060	0.034	0.091	0.032	0.083
32	2	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	0.475	0.731	0.053	0.081	0.049	0.075
32	3	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	0.475	0.731	0.053	0.081	0.049	0.075
32	4	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	0.475	0.731	0.053	0.081	0.049	0.075
32	5	14%	14%	0%	0%	0%	0%	14%	0%	14%	0%	14%	14%	14%	0%	0%	0%	7	220	LD	25	50	22	83	1	0.475	0.731	0.053	0.081	0.049	0.075
32	6	13%	17%	0%	4%	4%	4%	8%	0%	8%	8%	13%	8%	8%	0%	0%	4%	24	220	LD	25	50	22	83	1	0.421	2.225	0.039	0.204	0.036	0.188
32	7	12%	19%	0%	7%	5%	2%	9%	0%	7%	7%	12%	9%	9%	0%	0%	2%	43	220	LD	25	50	22	82	1	0.439	4.151	0.040	0.378	0.037	0.348
32	8	11%	20%	0%	5%	4%	4%	9%	0%	9%	7%	13%	9%	9%	0%	0%	2%	56	220	LD	25	50	23	79	1	0.428	5.276	0.040	0.489	0.037	0.450
32	9	13%	17%	0%	7%	4%	4%	9%	0%	9%	7%	11%	9%	9%	0%	0%	2%	46	220	LD	25	50	23	77	1	0.421	4.260	0.038	0.389	0.035	0.358
32	10	15%	20%	0%	5%	3%	3%	10%	0%	8%	8%	13%	8%	8%	0%	0%	3%	40	220	LD	25	50	24	74	1	0.407	3.581	0.037	0.324	0.034	0.298
32	11	16%	19%	0%	5%	3%	3%	8%	0%	8%	5%	11%	8%	8%	0%	0%	5%	37	220	LD	25	50	25	72	1	0.396	3.224	0.036	0.292	0.033	0.268
32	12	20%	20%	0%	5%	3%	3%	8%	0%	8%	5%	10%	8%	8%	0%	0%	5%	40	220	LD	25	50	25	71	1	0.378	3.330	0.033	0.295	0.031	0.271
32	13	21%	21%	0%	5%	3%	3%	8%	0%	5%	5%	10%	8%	8%	0%	0%	5%	39	220	LD	25	50	25	71	1	0.387	3.321	0.034	0.294	0.031	0.270
32	14	26%	21%	0%	5%	3%	3%	8%	0%	5%	5%	8%	5%	5%	0%	0%	8%	39	220	LD	25	50	25	71	1	0.343	2.945	0.027	0.230	0.025	0.212
32	15	26%	23%	0%	7%	2%	2%	7%	0%	5%	5%	7%	5%	5%	0%	0%	7%	43	220	LD	25	50	25	72	1	0.335	3.170	0.025	0.235	0.023	0.216
32	16	27%	25%	0%	5%	2%	2%	5%	0%	5%	5%	7%	5%	5%	0%	0%	9%	44	220	LD	25	50	24	74	1	0.324	3.136	0.023	0.221	0.021	0.203
32	17	31%	25%	0%	6%	4%	2%	4%	0%	4%	2%	6%	4%	4%	0%	0%	8%	49	220	LD	25	50	24	76	1	0.303	3.265	0.021	0.228	0.019	0.210
32	18	28%	26%	0%	5%	2%	2%	5%	0%	5%	2%	7%	5%	5%	0%	0%	9%	43	220	LD	25	50	23	77	1	0.327	3.097	0.023	0.219	0.021	0.201
32	19	27%	22%	0%	5%	3%	3%	5%	0%	5%	3%	8%	5%	5%	0%	0%	8%	37	220	LD	25	50	23	78	1	0.335	2.723	0.026	0.213	0.024	0.196
32	20	24%	21%	0%	7%	3%	3%	7%	0%	3%	3%	7%	7%	7%	0%	0%	7%	29	220	LD	25	50	23	79	1	0.370	2.360	0.030	0.190	0.027	0.175
32	21	24%	20%	0%	4%	4%	4%	8%	0%	4%	4%	8%	4%	8%	0%	0%	8%	25	220	LD	25	50	23	80	1	0.374	2.056	0.029	0.158	0.026	0.145
32	22	23%	19%	0%	4%	4%	4%	8%	0%	4%	4%	8%	8%	8%	0%	0%	8%	26	220	LD	25	50	23	81	1	0.384	2.198	0.033	0.187	0.030	0.172
32	23	23%	23%	0%	5%	5%	5%	9%	0%	5%	5%	9%	5%	5%	0%	0%	5%	22	220	LD	25	50	23	81	1	0.353	1.709	0.028	0.133	0.025	0.123
33	0	8%	0%	0%	17%	8%	0%	0%	0%	0%	0%	8%	8%	8%	0%	42%	0%	12	220	LD	25	50	23	82	1	1.134	2.992	0.049	0.130	0.045	0.120
33	1	14%	0%	0%	14%	14%	0%	0%	0%	0%	0%	14%	0%	0%	0%	43%	0%	7	220	LD	25	50	22	82	1	1.069	1.646	0.036	0.056	0.034	0.052
33	2	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	3	220	LD	25	50	22	83	1	1.518	1.002	0.036	0.024	0.033	0.022
33	3	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	2	220	LD	25	50	22	83	1	1.204	0.530	0.029	0.013	0.027	0.012
33	4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	2.143	0.471	0.049	0.011	0.045	0.010
33	5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	220	LD	25	50	22	83	1	2.143	0.471	0.049	0.011	0.045	0.010
33	6	11%	0%	0%	11%	11%	0%	0%	0%	0%	0%	11%	11%	11%	0%	33%	0%	9	220	LD	25	50	22	83	1	1.026	2.032	0.054	0.106	0.049	0.098
33	7	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	13%	7%	7%	0%	33%	0%	15	220	LD	25	50	22	82	1	0.996	3.288	0.048	0.160	0.045	0.147
33	8	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	14%	10%	10%	0%	24%	0%	21	220	LD	25	50	23	79	1	0.842	3.888	0.051	0.234	0.047	0.215
33	9	10%	0%	0%	14%	10%	0%	5%	0%	5%	0%	10%	10%	10%	0%	29%	0%	21	220	LD	25	50	23	77	1	0.934	4.314	0.049	0.228	0.045	0.210
33	10	11%	0%	0%	16%	11%	0%	5%	0%	0%	0%	11%	5%	5%	0%	37%	0%	19	220	LD	25	50	24	74	1	1.041	4.350	0.045	0.187	0.041	0.173
33	11	10%	0%	0%	15%	10%	0%	5%	0%	0%	0%	10%	5%	5%	5%	35%	0%	20	220	LD	25	50	25	72	1	1.090	4.797	0.045	0.197	0.041	0.181

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
33	12	12%	0%	0%	12%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	44%	0%	25	220	LD	25	50	25	71	1	1.216	6.687	0.044	0.241	0.040	0.222
33	13	12%	0%	0%	12%	8%	0%	4%	0%	0%	0%	8%	4%	4%	4%	46%	0%	26	220	LD	25	50	25	71	1	1.250	7.147	0.044	0.251	0.040	0.231
33	14	10%	3%	0%	13%	7%	0%	3%	0%	0%	0%	7%	3%	3%	3%	47%	0%	30	220	LD	25	50	25	71	1	1.246	8.223	0.042	0.275	0.038	0.253
33	15	9%	3%	0%	11%	9%	0%	3%	0%	3%	0%	6%	3%	3%	3%	49%	0%	35	220	LD	25	50	25	72	1	1.261	9.709	0.041	0.315	0.038	0.290
33	16	10%	3%	0%	13%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	49%	0%	39	220	LD	25	50	24	74	1	1.258	10.796	0.040	0.340	0.036	0.313
33	17	9%	2%	0%	11%	7%	2%	4%	0%	2%	0%	4%	4%	4%	2%	48%	0%	46	220	LD	25	50	24	76	1	1.259	12.743	0.043	0.439	0.040	0.404
33	18	10%	3%	0%	13%	8%	0%	3%	0%	3%	0%	5%	3%	3%	3%	49%	0%	39	220	LD	25	50	23	77	1	1.266	10.865	0.040	0.340	0.036	0.313
33	19	9%	3%	0%	13%	6%	0%	3%	0%	0%	0%	6%	3%	3%	3%	50%	0%	32	220	LD	25	50	23	78	1	1.312	9.237	0.042	0.297	0.039	0.274
33	20	8%	4%	0%	13%	8%	0%	4%	0%	0%	0%	4%	4%	4%	4%	46%	0%	24	220	LD	25	50	23	79	1	1.275	6.731	0.042	0.224	0.039	0.206
33	21	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	80	1	1.282	5.078	0.047	0.186	0.043	0.171
33	22	11%	0%	0%	11%	6%	0%	6%	0%	0%	0%	6%	6%	6%	6%	44%	0%	18	220	LD	25	50	23	81	1	1.278	5.061	0.047	0.186	0.043	0.171
33	23	13%	0%	0%	13%	7%	0%	7%	0%	0%	0%	7%	7%	7%	0%	40%	0%	15	220	LD	25	50	23	81	1	1.102	3.636	0.047	0.155	0.043	0.142
34	0	30%	26%	0%	13%	8%	2%	7%	0%	3%	3%	2%	2%	2%	0%	0%	3%	61	170	LD	25	50	23	82	1	0.283	2.938	0.015	0.151	0.013	0.139
34	1	29%	26%	0%	13%	8%	3%	5%	0%	3%	3%	3%	3%	3%	0%	0%	3%	38	170	LD	25	50	22	82	1	0.300	1.935	0.017	0.109	0.016	0.101
34	2	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.295	1.204	0.015	0.059	0.013	0.055
34	3	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.295	1.204	0.015	0.059	0.013	0.055
34	4	25%	25%	0%	13%	8%	4%	8%	0%	4%	4%	4%	0%	0%	0%	0%	4%	24	170	LD	25	50	22	83	1	0.295	1.204	0.015	0.059	0.013	0.055
34	5	26%	26%	0%	13%	9%	4%	9%	0%	4%	4%	4%	0%	0%	0%	0%	0%	23	170	LD	25	50	22	83	1	0.289	1.129	0.015	0.058	0.014	0.054
34	6	25%	28%	0%	16%	8%	3%	7%	1%	4%	3%	3%	1%	1%	0%	0%	1%	76	170	LD	25	50	22	83	1	0.297	3.838	0.015	0.195	0.014	0.180
34	7	23%	26%	1%	15%	10%	2%	8%	1%	4%	3%	3%	2%	2%	0%	0%	1%	146	170	LD	24	50	22	82	1	0.326	8.096	0.018	0.446	0.017	0.411
34	8	22%	27%	1%	16%	10%	2%	8%	1%	4%	3%	3%	2%	2%	0%	0%	1%	187	170	LD	23	50	23	79	1	0.327	10.396	0.017	0.546	0.016	0.503
34	9	23%	27%	1%	15%	10%	3%	7%	1%	4%	3%	3%	2%	2%	0%	0%	1%	158	170	LD	24	50	23	77	1	0.323	8.662	0.017	0.460	0.016	0.424
34	10	26%	27%	0%	15%	9%	2%	7%	1%	4%	3%	2%	2%	2%	0%	0%	2%	137	170	LD	24	50	24	74	1	0.307	7.139	0.016	0.367	0.015	0.338
34	11	26%	26%	0%	15%	9%	2%	6%	1%	3%	3%	2%	2%	2%	0%	0%	2%	126	170	LD	24	50	25	72	1	0.301	6.438	0.016	0.338	0.015	0.312
34	12	28%	26%	0%	14%	8%	2%	6%	1%	3%	3%	2%	2%	2%	0%	0%	3%	134	170	LD	24	50	25	71	1	0.293	6.674	0.015	0.344	0.014	0.317
34	13	30%	25%	0%	14%	8%	2%	6%	1%	3%	2%	2%	2%	2%	0%	0%	4%	135	170	LD	24	50	25	71	1	0.288	6.609	0.015	0.343	0.014	0.316
34	14	31%	25%	0%	13%	7%	2%	5%	1%	3%	2%	2%	2%	2%	0%	1%	4%	136	170	LD	24	50	25	71	1	0.294	6.806	0.015	0.341	0.014	0.315
34	15	33%	24%	0%	13%	8%	2%	5%	0%	3%	2%	2%	1%	1%	0%	1%	5%	144	170	LD	24	50	25	72	1	0.284	6.947	0.014	0.347	0.013	0.320
34	16	35%	24%	0%	12%	7%	1%	5%	0%	2%	2%	2%	1%	1%	0%	1%	6%	141	170	LD	24	50	24	74	1	0.284	6.803	0.014	0.335	0.013	0.309
34	17	36%	24%	0%	12%	7%	1%	5%	0%	2%	1%	2%	1%	1%	0%	1%	7%	152	170	LD	24	50	24	76	1	0.274	7.087	0.013	0.344	0.012	0.317
34	18	36%	24%	0%	12%	7%	1%	5%	0%	2%	1%	2%	1%	1%	0%	1%	6%	141	170	LD	24	50	23	77	1	0.283	6.794	0.014	0.332	0.013	0.307
34	19	35%	24%	0%	13%	7%	2%	5%	0%	3%	2%	2%	2%	2%	0%	1%	5%	119	170	LD	24	50	23	78	1	0.289	5.848	0.014	0.291	0.013	0.268
34	20	34%	25%	0%	13%	7%	2%	5%	0%	2%	2%	2%	1%	1%	0%	0%	5%	93	170	LD	25	50	23	79	1	0.266	4.201	0.013	0.209	0.012	0.192
34	21	33%	25%	0%	13%	7%	2%	5%	0%	2%	2%	2%	1%	1%	0%	0%	5%	83	170	LD	25	50	23	80	1	0.268	3.777	0.013	0.189	0.012	0.174
34	22	31%	25%	0%	13%	7%	2%	6%	0%	2%	2%	2%	1%	1%	0%	0%	5%	83	170	LD	25	50	23	81	1	0.275	3.881	0.014	0.197	0.013	0.181
34	23	31%	26%	0%	14%	7%	1%	6%	0%	3%	3%	3%	1%	1%	0%	0%	4%	72	170	LD	25	50	23	81	1	0.276	3.382	0.014	0.174	0.013	0.160
35	0	16%	8%	0%	11%	8%	3%	11%	13%	11%	8%	5%	3%	3%	0%	0%	3%	38	170	LD	25	50	23	82	1	0.350	2.261	0.027	0.173	0.025	0.160
35	1	12%	8%	0%	12%	8%	4%	12%	12%	12%	8%	4%	4%	4%	0%	0%	0%	25	170	LD	25	50	22	82	1	0.385	1.636	0.030	0.127	0.027	0.117
35	2	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	0.406	1.242	0.035	0.106	0.032	0.097
35	3	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	0.406	1.242	0.035	0.106	0.032	0.097
35	4	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	0.406	1.242	0.035	0.106	0.032	0.097
35	5	11%	6%	0%	11%	6%	6%	11%	11%	11%	11%	6%	6%	6%	0%	0%	0%	18	170	LD	25	50	22	83	1	0.406	1.242	0.035	0.106	0.032	0.097
35	6	10%	8%	0%	8%	6%	4%	14%	14%	12%	10%	6%	4%	4%	0%	0%	2%	51	170	LD	25	50	22	83	1	0.404	3.502	0.032	0.278	0.030	0.256
35	7	9%	7%	0%	8%	5%	4%	13%	14%	13%	10%	6%	5%	5%	0%	1%	2%	107	170	LD	25	50	22	82	1	0.426	7.751	0.034	0.615	0.031	0.565
35	8	9%	8%	0%	8%	4%	4%	13%	13%	13%	11%	7%	4%	4%	0%	1%	2%	142	170	LD	25	50	23	79	1	0.415	10.011	0.033	0.803	0.031	0.738
35	9	9%	7%	0%	9%	4%	4%	13%	14%	13%	10%	6%	4%	4%	0%	1%	2%	117	170	LD	25	50	23	77	1	0.420	8.346	0.033	0.658	0.030	0.605
35	10	11%	7%	0%	8%	5%	4%	12%	14%	12%	10%	6%	4%	4%	0%	1%	2%	100	170	LD	25	50	24	74	1	0.409	6.949	0.032	0.546	0.030	0.502
35	11	13%	7%	0%	9%	6%	3%	13%	14%	12%	9%	6%	3%	3%	0%	0%	2%	87	170	LD	25	50	25	72	1	0.376	5.555	0.030	0.447	0.028	0.411
35	12	15%	8%	0%	11%	5%	3%	12%	13%	12%	9%	4%	3%	3%	0%	0%	1%	92	170	LD	25	50	25	71	1	0.362	5.657	0.028	0.445	0.026	0.409
35	13	16%	8%	0%	12%	7%	3%	11%	13%	11%	8%	4%	3%	3%	0%	0%	1%	92	170	LD	25	50	25	71	1	0.356	5.567	0.028	0.436	0.026	0.401
35	14	19%	8%	0%	13%	7%	4%	9%	13%	9%	8%	4%	2%	2%	0%	0%	1%	85	170	LD	25	50	25	71	1	0.336	4.856	0.025	0.359	0.023	0.330
35	15	20%	8%	0%	13%	8%	3%	9%	13%	9%	8%	3%	2%	2%	0%	0%	1%	90	170	LD	25	50	25	72	1	0.328	5.014	0.024	0.370	0.022	0.340
35	16	22%	8%	0%	16%	8%	3%	8%	13%	9%	7%	2%	2%	2%	0%	0%	0%	88	170	LD	25	50	24	74	1	0.320	4.787	0.023	0.345	0.021	0.317
35	17	23%	8%	0%	17%	9%	2%	8%	13%	9%	7%	2%	1%	1%	0%	0%	0%	90	170	LD	25	50	24	76	1	0.297	4.542	0.020	0.311	0.019	0.286
35	18	23%	8%	0%	17%	8%	2%	8%	13%	8%	7%	2%	1%	1%	0%	0%	0%	84	170	LD	25	50	23	77	1	0.309	4.418	0.021	0.298	0.019	0.274
35	19	22%	8%	0%	15%	8%	3%	8%	14%	10%	7%	3%	1%	1%	0%	0%	0%	73	170	LD	25	50	23	78	1	0.310	3.853	0.022	0.268	0.020	0.246
35	20	21%	9%	0%	14%	7%	4%	9%	12%	9%	9%	4%	2%	2%	0%	0%	0%	57	170	LD	25	50	23	79	1	0.323	3.129	0.023	0.225	0.021	0.207
35	21	20%	8%	0%	12%	8%	4%	10%	12%	10%	8%	4%	2%	2%	0%	0%	0%	50	170	LD	25	50	23	80	1	0.329	2.800	0.025	0.209	0.023	0.192
35	22	19%	8%	0%	11%	8%	4%	9%	13%	9%	8%	4%	2%	4%	0%	0%	2%	53	170	LD	25	50	23	81	1	0.346	3.118	0.026	0.232	0.024	0.213
35	23	15%	9%	0%	11%	7%	4%	11%	13%	11%	9%	4%	2%	2%	0%	0%	2%	46	170	LD	25	50	23	81	1	0.351	2.743	0.026	0.202	0.024	0.186
36	0	21%	23%	0%	21%	12%	2%	9%	0%	2%	2%	2%	0%	0%	0%	5%	0%	43	330	LD	25	50	23	82	1	0.384	5.446	0.016	0.224	0.015	0.206
36	1	17%	25%	0%	19%	14%	4%	8%	0%	4%	4%	0%	0%	0%	0%	4%	0%	24	330	LD	25	50	22	82	1	0.394	3.117	0.014	0.114	0.013	0.105
36	2	18%	24%	0%	18%	12%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	6%	17	330	LD	25	50	22	83	1	0.406	2.278	0.013	0.073	0.012	0.067
36	3	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	0.431	2.135	0.014	0.069	0.013	0.064
36	4	13%	27%	0%	20%	13%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	0.431	2.135	0.014	0.069	0.013	0.064
36	5	12%	24%	0%	18%	12%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	12%	17	330	LD	25	50	22	83	1	0.430	2.414	0.013	0.073	0.012	0.067
36	6	12%	29%	0%	20%	10%	2%	4%	2%	4%	4%	2%	2%	2%	0%	6%	0%	49	330	LD	25	50	22	83	1	0.445	7.189	0.018	0.296	0.017	0.272
36	7	13%	27%	0%	20%	11%	1%	5%	2%	4%	3%	2%	1%	1%	0%	6%	2%	90	330	LD	25	50	22	82	1	0.429	12.736	0.017	0.499	0.015	0.459
36	8	11%	25%	1%	22%	14%	1%	3%	2%	4%	3%	2%	2%	2%	0%	6%	4%	125	330	LD	24	50	23	79	1	0.439	18.123	0.017	0.720	0.016	0.662
36	9	14%	24%	0%	21%	12%	2%	5%	2%	4%	3%	2%	1%	2%	0%	6%	3%	104	330	LD	25	50	23	77	1	0.436	14.960	0.017	0.596	0.016	0.549
36	10	15%	22%	0%	22%	13%	2%	6%	1%	3%	3%	2%	1%	1%	0%	5%	3%	104	330	LD	25	50	24	74	1	0.409	14.045	0.017	0.582	0.016	0.535
36	11	16%	21%	0%	22%	13%	2%	6%	1%	3%	3%	1%	1%	1%	0%	5%	3%	98	330	LD	25	50	25	72	1	0.405	13.093	0.016	0.529	0.015	0.487
36	12	16%	20%	0%	21%	12%	4%	12%	1%	3%	3%	1%	1%	1%	0%	4%	3%	118	330	LD	25	50	25	71	1	0.414	16.122	0.018	0.720	0.017	0.663
36	13	19%	21%	0%	19%	12%	3%	10%	1%	3%	3%	1%	1%	1%	0%	5%	2%	110	330	LD	24	50	25	71	1	0.415	15.069	0.018	0.658	0.017	0.606
36	14	18%	19%	0%	21%	13%	4%	11%	1%	3%	3%	1%	1%	1%	0%	4%	2%	117	330	LD	24	50	25	71	1	0.420	16.216	0.019	0.732	0.017	0.675
36	15	19%	18%	0%	22%	13%	3%	12%	0%	2%	2%	1%	1%	1%	0%	4%	2%	135	330	LD	24	50	25	72	1	0.399	17.770	0.018	0.800	0.017	0.737
36	16	20%	18%	0%	22%	13%	4%	12%	0%	2%	2%	1%	1%	1%	0%	4%	2%	135	330	LD	24	50	24	74	1	0.402	17.917	0.018	0.808	0.017	0.745
36	17	23%	18%	1%	18%	12%	4%	13%	0%	2%	2%	1%	1%	1%	0%	4%	1%	140	330	LD	24	50	24	76	1	0.394	18.211	0.018	0.854	0.017	0.787
36	18	21%	20%	0%	18%	11%	4%	13%	0%	2%	2%	1%	1%	1%	0%	4%	2%	123	330	LD	24	50	23	77	1	0.416	16.901	0.019	0.763	0.017	0.703
36	19	21%	20%	0%	18%	11%	4%	12%	0%	3%	2%	1%	1%	1%	0%	4%	1%	99	330	LD	25	50	23	78	1	0.398	13.003	0.018	0.603	0.017	0.555
36	20	20%	20%	0%	21%	11%	4%	12%	0%	2%	2%	1%	1%	1%	0%	4%	1%	86	330	LD	25	50	23	79	1	0.393	11.162	0.019	0.530	0.017	0.488
36	21	20%	19%	0%	21%	12%	4%	12%	0%	3%	3%	1%	0%	1%	0%	4%	1%	79	330	LD	25	50	23	80	1	0.393	10.234	0.018	0.460	0.016	0.424
36	22	21%	22%	0%	16%	9%	4%	13%	0%	3%	3%	2%	2%	2%	0%	4%	2%	68	330	LD	25	50	23	81	1	0.413	9.268	0.020	0.447	0.018	0.411
36	23	19%	23%	0%	20%	10%	4%	9%	0%	4%	2%	2%	0%	2%	0%	6%	0%	53	330	LD	25	50	23	81	1	0.420	7.353	0.018	0.312	0.016	0.287
37	0	22%	7%	0%	15%	7%	4%	11%	19%	4%	0%	4%	0%	0%	0%	7%	0%	27	330	LD	25	50	23	82	1	0.451	4.014	0.024	0.215	0.022	0.198
37	1	35%	6%	0%	12%	6%	6%	12%	18%	0%	0%	0%	0%	0%	0%	6%	0%	17	330	LD	25	50	22	82	1	0.407	2.281	0.021	0.120	0.020	0.111
37	2	22%	11%	0%	11%	11%	0%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	0.543	1.612	0.023	0.069	0.021	0.064
37	3	25%	0%	0%	13%	13%	0%	13%	25%	0%	0%	0%	0%	0%	0%	13%	0%	8	330	LD	25	50	22	83	1	0.564	1.490	0.026	0.069	0.024	0.064
37	4	22%	0%	0%	11%	11%	11%	11%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	0.552	1.638	0.027	0.080	0.025	0.073
37	5	11%	0%	0%	11%	11%	11%	22%	22%	0%	0%	0%	0%	0%	0%	11%	0%	9	330	LD	25	50	22	83	1	0.632	1.877	0.032	0.095	0.030	0.088
37	6	11%	3%	0%	13%	6%	11%	30%	19%	0%	0%	3%	0%	0%	0%	5%	0%	37	330	LD	25	50	22	83	1	0.552	6.740	0.033	0.408	0.031	0.375
37	7	16%	1%	0%	20%	12%	5%	15%	21%	0%	0%	1%	1%	1%	0%	4%	1%	70	330	LD	25	50	22	82	1	0.471	10.887	0.028	0.654	0.026	0.602
37	8	9%	1%	0%	26%	14%	4%	16%	20%	0%	0%	1%	1%	1%	0%	4%	3%	97	330	LD	25	50	23	79	1	0.475	15.216	0.027	0.866	0.025	0.797
37	9	11%	3%	0%	21%	13%	5%	14%	20%	0%	0%	1%	1%	1%	0%	5%	4%	79	330	LD	25	50	23	77	1	0.494	12.885	0.028	0.721	0.025	0.663
37	10	15%	3%	0%	17%	10%	5%	12%	22%	2%	0%	2%	2%	2%	0%	6%	5%	67	330	LD	25	50	24	74	1	0.489	10.803	0.028	0.610	0.025	0.561
37	11	19%	3%	0%	18%	11%	3%	11%	19%	2%	2%	2%	2%	2%	0%	5%	5%	65	330	LD	25	50	25	72	1	0.436	9.353	0.025	0.545	0.023	0.501
37	12	23%	4%	0%	14%	9%	3%	10%	20%	1%	1%	1%	1%	1%	0%	6%	4%	70	330	LD	25	50	25	71	1	0.443	10.244	0.025	0.580	0.023	0.533
37	13	21%	5%	0%	19%	12%	3%	10%	16%	1%	1%	1%	1%	1%	0%	5%	3%	77	330	LD	25	50	25	71	1	0.431	10.952	0.024	0.605	0.022	0.556
37	14	23%	5%	0%	17%	10%	3%	10%	15%	3%	1%	1%	1%	1%	0%	5%	4%	78	330	LD	25	50	25	71	1	0.420	10.801	0.023	0.602	0.022	0.554
37	15	24%	7%	0%	15%	8%	4%	10%	16%	2%	2%	1%	1%	1%	0%	6%	3%	90	330	LD	25	50	25	72	1	0.423	12.559	0.023	0.683	0.021	0.628
37	16	28%	7%	0%	16%	9%	2%	5%	14%	2%	2%	2%	1%	1%	0%	6%	4%	85	330	LD	25	50	24	74	1	0.399	11.190	0.021	0.595	0.020	0.547
37	17	27%	7%	0%	15%	9%	1%	4%	15%	3%	2%	2%	1%	1%	0%	6%	6%	96	330	LD	25	50	24	76	1	0.401	12.698	0.020	0.639	0.019	0.588
37	18	29%	8%	0%	13%	7%	1%	5%	16%	3%	3%	3%	1%	1%	0%	7%	4%	76	330	LD	25	50	23	77	1	0.418	10.476	0.022	0.551	0.020	0.507
37	19	30%	8%	0%	12%	7%	2%	7%	16%	3%	3%	2%	2%	2%	0%	7%	2%	61	330	LD	25	50	23	78	1	0.422	8.492	0.023	0.461	0.021	0.424
37	20	28%	8%	0%	15%	8%	2%	6%	16%	2%	2%	2%	2%	2%	0%	6%	2%	50	330	LD	25	50	23	79	1	0.418	6.895	0.023	0.387	0.022	0.356
37	21	24%	7%	0%	15%	9%	2%	7%	16%	2%	2%	2%	2%	2%	0%	7%	2%	45	330	LD	25	50	23	80	1	0.444	6.595	0.025	0.370	0.023	0.340
37	22	24%	7%	0%	12%	7%	2%	10%	17%	2%	2%	2%	2%	2%	0%	7%	2%	42	330	LD	25	50	23	81	1	0.468	6.484	0.027	0.374	0.025	0.344
37	23	23%	6%	0%	11%	9%	3%	9%	17%	3%	3%	3%	3%	3%	0%	6%	3%	35	330	LD	25	50	23	81	1	0.450	5.197	0.028	0.323	0.026	0.297
38	0	23%	18%	0%	18%	10%	3%	8%	0%	5%	3%	2%	2%	2%	0%	5%	2%	61	330	LD	25	50	23	82	1	0.388	7.810	0.019	0.378	0.017	0.348
38	1	20%	17%	0%	17%	9%	3%	9%	0%	6%	6%	3%	3%	3%	0%	6%	0%	35	330	LD	25	50	22	82	1	0.435	5.024	0.023	0.268	0.021	0.247
38	2	24%	19%	0%	19%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	21	330	LD	25	50	22	83	1	0.379	2.628	0.015	0.107	0.014	0.098
38	3	25%	20%	0%	15%	10%	5%	10%	0%	5%	5%	0%	0%	0%	0%	5%	0%	20	330	LD	25	50	22	83	1	0.384	2.536	0.016	0.103	0.014	0.095
38	4	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	0.362	2.152	0.013	0.075	0.012	0.069
38	5	28%	22%	0%	17%	11%	0%	6%	0%	6%	6%	0%	0%	0%	0%	6%	0%	18	330	LD	25	50	22	83	1	0.362	2.152	0.013	0.075	0.012	0.069
38	6	24%	21%	0%	15%	9%	2%	5%	0%	6%	6%	2%	2%	2%	0%	8%	2%	67	330	LD	25	50	22	83	1	0.424	9.368	0.017	0.387	0.016	0.356
38	7	22%	19%	0%	15%	9%	2%	4%	1%	7%	6%	2%	2%	2%	1%	8%	2%	124	330	LD	24	50	22	82	1	0.467	19.103	0.019	0.785	0.018	0.723
38	8	22%	20%	1%	14%	9%	1%	3%	1%	8%	6%	2%	1%	2%	1%	9%	2%	159	330	LD	24	50	23	79	1	0.466	24.463	0.018	0.969	0.017	0.893
38	9	23%	19%	0%	15%	9%	2%	4%	1%	7%	5%	2%	2%	2%	1%	7%	2%	136	330	LD	24	50	23	77	1	0.445	19.965	0.019	0.833	0.017	0.767
38	10	23%	19%	0%	16%	9%	2%	6%	1%	6%	5%	2%	2%	2%	1%	6%	2%	128	330	LD	24	50	24	74	1	0.434	18.349	0.019	0.811	0.018	0.747
38	11	22%	19%	0%	16%	10%	3%	7%	1%	6%	4%	2%	2%	2%	0%	5%	2%	116	330	LD	24	50	25	72	1	0.401	15.368	0.019	0.726	0.017	0.668
38	12	22%	18%	1%	17%	11%	3%	8%	0%	5%	5%	2%	2%	2%	0%	5%	1%	132	330	LD	24	50	25	71	1	0.396	17.248	0.019	0.845	0.018	0.779
38	13	22%	18%	1%	17%	11%	3%	10%	0%	4%	4%	2%	2%	2%	0%	4%	1%	136	330	LD	24	50	25	71	1	0.403	18.107	0.020	0.905	0.019	0.834
38	14	22%	17%	1%	17%	11%	4%	11%	0%	4%	4%	2%	1%	1%	0%	4%	1%	138	330	LD	24	50	25	71	1	0.392	17.830	0.020	0.914	0.018	0.842
38	15	22%	17%	1%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	1%	153	330	LD	24	50	25	72	1	0.376	18.969	0.020	1.003	0.018	0.924
38	16	22%	17%	1%	20%	12%	4%	12%	0%	3%	3%	2%	1%	1%	0%	3%	0%	153	330	LD	24	50	24	74	1	0.382	19.310	0.020	1.016	0.019	0.936
38	17	21%	18%	1%	20%	12%	4%	13%	0%	3%	2%	2%	1%	1%	0%	2%	0%	168	330	LD	23	50	24	76	1	0.378	20.948	0.020	1.112	0.018	1.025
38	18	22%	17%	1%	20%	12%	4%	13%	0%	3%	3%	2%	1%	1%	0%	2%	0%	153	330	LD	24	50	23	77	1	0.377	19.046	0.020	1.020	0.019	0.940
38	19	21%	17%	1%	19%	12%	4%	13%	0%	4%	3%	2%	2%	2%	0%	2%	0%	128	330	LD	24	50	23	78	1	0.383	16.168	0.020	0.864	0.019	0.796
38	20	22%	18%	0%	19%	11%	4%	12%	0%	4%	3%	2%	1%	1%	0%	3%	0%	100	330	LD	24	50	23	79	1	0.382	12.601	0.019	0.638	0.018	0.588
38	21	21%	18%	0%	19%	11%	3%	11%	0%	5%	3%	2%	1%	1%	0%	3%	0%	89	330	LD	25	50	23	80	1	0.376	11.055	0.019	0.561	0.018	0.517

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
38	22	22%	19%	0%	19%	9%	4%	9%	0%	5%	4%	2%	1%	1%	0%	4%	1%	85	330	LD	25	50	23	81	1	0.368	10.311	0.018	0.517	0.017	0.476
38	23	23%	19%	0%	19%	10%	3%	10%	0%	4%	4%	1%	1%	1%	0%	4%	1%	74	330	LD	25	50	23	81	1	0.382	9.320	0.018	0.450	0.017	0.414
39	0	20%	11%	0%	17%	11%	3%	9%	14%	3%	3%	0%	0%	0%	0%	9%	0%	35	330	LD	25	50	23	82	1	0.469	5.422	0.020	0.235	0.019	0.217
39	1	18%	9%	0%	18%	9%	5%	9%	14%	5%	5%	0%	0%	0%	0%	9%	0%	22	330	LD	25	50	22	82	1	0.490	3.561	0.021	0.154	0.020	0.142
39	2	20%	7%	0%	20%	13%	7%	13%	13%	0%	0%	0%	0%	0%	0%	7%	0%	15	330	LD	25	50	22	83	1	0.468	2.318	0.023	0.112	0.021	0.103
39	3	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	0.499	2.306	0.024	0.110	0.022	0.101
39	4	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	0.499	2.306	0.024	0.110	0.022	0.101
39	5	14%	7%	0%	21%	14%	7%	14%	14%	0%	0%	0%	0%	0%	0%	7%	0%	14	330	LD	25	50	22	83	1	0.499	2.306	0.024	0.110	0.022	0.101
39	6	12%	10%	0%	20%	12%	5%	15%	15%	2%	2%	0%	0%	0%	0%	7%	0%	41	330	LD	25	50	22	83	1	0.505	6.830	0.023	0.317	0.022	0.292
39	7	12%	8%	0%	22%	12%	5%	15%	15%	2%	2%	1%	0%	0%	0%	6%	0%	83	330	LD	25	50	22	82	1	0.481	13.176	0.024	0.650	0.022	0.598
39	8	10%	8%	1%	21%	13%	5%	15%	15%	3%	2%	1%	1%	1%	0%	6%	0%	107	330	LD	24	50	23	79	1	0.499	17.603	0.026	0.922	0.024	0.849
39	9	12%	9%	0%	21%	12%	4%	13%	15%	3%	2%	1%	1%	1%	0%	5%	0%	92	330	LD	24	50	23	77	1	0.486	14.746	0.025	0.772	0.023	0.710
39	10	15%	9%	0%	21%	12%	4%	13%	15%	2%	2%	1%	0%	0%	0%	6%	0%	82	330	LD	25	50	24	74	1	0.465	12.578	0.023	0.621	0.021	0.572
39	11	18%	9%	0%	20%	11%	4%	11%	15%	3%	3%	1%	0%	0%	0%	7%	0%	76	330	LD	25	50	25	72	1	0.445	11.155	0.022	0.543	0.020	0.500
39	12	20%	10%	0%	19%	10%	4%	10%	14%	4%	2%	1%	0%	0%	0%	7%	0%	84	330	LD	25	50	25	71	1	0.443	12.274	0.021	0.583	0.019	0.536
39	13	22%	9%	0%	19%	9%	4%	8%	14%	4%	2%	1%	0%	0%	0%	7%	0%	85	330	LD	25	50	25	71	1	0.431	12.087	0.020	0.570	0.019	0.524
39	14	25%	10%	0%	18%	10%	2%	7%	14%	4%	2%	0%	0%	0%	0%	8%	0%	84	330	LD	25	50	25	71	1	0.439	12.168	0.019	0.534	0.018	0.491
39	15	25%	11%	0%	17%	8%	2%	6%	15%	3%	3%	0%	0%	0%	1%	8%	0%	95	330	LD	24	50	25	72	1	0.468	14.674	0.020	0.613	0.018	0.565
39	16	27%	12%	0%	16%	8%	2%	5%	15%	3%	3%	0%	0%	0%	1%	8%	0%	96	330	LD	24	50	24	74	1	0.460	14.568	0.019	0.595	0.017	0.548
39	17	30%	11%	0%	15%	8%	2%	5%	14%	3%	3%	0%	0%	0%	1%	9%	0%	107	330	LD	24	50	24	76	1	0.461	16.282	0.019	0.656	0.017	0.604
39	18	28%	11%	0%	16%	8%	2%	5%	14%	3%	3%	0%	0%	0%	1%	8%	0%	97	330	LD	24	50	23	77	1	0.459	14.701	0.019	0.598	0.017	0.551
39	19	28%	10%	0%	15%	9%	3%	5%	14%	4%	3%	0%	0%	0%	0%	9%	0%	78	330	LD	25	50	23	78	1	0.440	11.319	0.018	0.475	0.017	0.437
39	20	28%	10%	0%	17%	8%	2%	7%	13%	3%	3%	0%	0%	0%	0%	8%	0%	60	330	LD	25	50	23	79	1	0.429	8.497	0.019	0.367	0.017	0.338
39	21	29%	10%	0%	15%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	52	330	LD	25	50	23	80	1	0.419	7.182	0.019	0.322	0.017	0.296
39	22	28%	10%	0%	16%	10%	2%	8%	14%	4%	2%	0%	0%	0%	0%	8%	0%	51	330	LD	25	50	23	81	1	0.424	7.130	0.019	0.319	0.017	0.294
39	23	26%	10%	0%	17%	10%	2%	10%	14%	2%	2%	0%	0%	0%	0%	7%	0%	42	330	LD	25	50	23	81	1	0.427	5.916	0.020	0.275	0.018	0.253
40	0	33%	18%	0%	15%	7%	2%	4%	10%	2%	2%	0%	0%	0%	0%	3%	3%	98	160	LD	25	50	23	82	1	0.312	4.894	0.013	0.209	0.012	0.193
40	1	34%	19%	0%	13%	8%	2%	4%	9%	2%	2%	0%	0%	0%	0%	4%	4%	53	160	LD	25	50	22	82	1	0.329	2.790	0.013	0.112	0.012	0.103
40	2	32%	18%	0%	12%	9%	3%	3%	12%	3%	3%	0%	0%	0%	0%	3%	3%	34	160	LD	25	50	22	83	1	0.315	1.713	0.014	0.074	0.013	0.068
40	3	36%	16%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	31	160	LD	25	50	22	83	1	0.307	1.522	0.013	0.066	0.012	0.061
40	4	33%	17%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	30	160	LD	25	50	22	83	1	0.316	1.518	0.014	0.065	0.013	0.060
40	5	33%	17%	0%	13%	7%	0%	3%	13%	3%	3%	0%	0%	0%	0%	3%	3%	30	160	LD	25	50	22	83	1	0.316	1.518	0.014	0.065	0.013	0.060
40	6	31%	17%	0%	13%	7%	1%	4%	14%	4%	2%	0%	0%	0%	0%	5%	2%	86	160	LD	25	50	22	83	1	0.350	4.822	0.015	0.201	0.013	0.185
40	7	32%	16%	0%	13%	7%	1%	3%	14%	3%	3%	0%	0%	0%	0%	5%	2%	148	160	LD	25	50	22	82	1	0.348	8.239	0.015	0.353	0.014	0.325
40	8	32%	15%	0%	12%	7%	1%	3%	15%	4%	3%	0%	0%	0%	1%	6%	2%	173	160	LD	25	50	23	79	1	0.374	10.356	0.016	0.430	0.014	0.395
40	9	33%	16%	1%	13%	7%	1%	4%	14%	3%	2%	0%	0%	0%	1%	4%	2%	166	160	LD	25	50	23	77	1	0.351	9.317	0.015	0.394	0.014	0.362
40	10	32%	16%	1%	13%	8%	1%	4%	13%	3%	2%	0%	0%	0%	0%	4%	2%	167	160	LD	25	50	24	74	1	0.336	8.975	0.014	0.384	0.013	0.353
40	11	32%	17%	1%	14%	8%	1%	4%	12%	2%	2%	0%	0%	0%	0%	4%	3%	169	160	LD	25	50	25	72	1	0.326	8.807	0.014	0.380	0.013	0.350
40	12	32%	17%	1%	14%	9%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	3%	201	160	LD	25	50	25	71	1	0.318	10.221	0.014	0.446	0.013	0.411
40	13	33%	17%	1%	14%	9%	1%	5%	10%	2%	2%	0%	0%	0%	0%	3%	3%	218	160	LD	25	50	25	71	1	0.312	10.883	0.014	0.477	0.013	0.438
40	14	32%	18%	0%	15%	9%	2%	5%	10%	2%	2%	0%	0%	0%	0%	3%	3%	232	160	LD	24	50	25	71	1	0.316	11.716	0.014	0.511	0.013	0.471
40	15	32%	18%	0%	15%	9%	2%	6%	9%	2%	2%	0%	0%	0%	0%	2%	4%	272	160	LD	24	50	25	72	1	0.308	13.418	0.013	0.586	0.012	0.540
40	16	33%	19%	0%	15%	9%	2%	6%	8%	2%	1%	0%	0%	0%	0%	2%	4%	286	160	LD	24	50	24	74	1	0.307	14.051	0.013	0.605	0.012	0.558
40	17	33%	18%	0%	15%	9%	2%	5%	8%	2%	2%	0%	0%	0%	0%	2%	4%	331	160	LD	24	50	24	76	1	0.299	15.842	0.013	0.689	0.012	0.635
40	18	33%	19%	0%	15%	9%	2%	6%	8%	2%	1%	0%	0%	0%	0%	2%	4%	295	160	LD	24	50	23	77	1	0.311	14.669	0.013	0.629	0.012	0.580
40	19	33%	19%	0%	15%	9%	2%	6%	8%	2%	2%	0%	0%	0%	0%	2%	3%	237	160	LD	24	50	23	78	1	0.313	11.874	0.014	0.515	0.013	0.475
40	20	32%	18%	1%	15%	9%	2%	6%	9%	2%	2%	0%	0%	0%	0%	2%	3%	183	160	LD	25	50	23	79	1	0.305	8.933	0.013	0.390	0.012	0.359
40	21	33%	18%	1%	15%	9%	2%	5%	9%	2%	2%	0%	0%	0%	0%	3%	3%	154	160	LD	25	50	23	80	1	0.307	7.560	0.013	0.327	0.012	0.300
40	22	33%	17%	1%	15%	9%	1%	5%	9%	2%	2%	0%	0%	0%	0%	3%	3%	150	160	LD	25	50	23	81	1	0.308	7.391	0.013	0.321	0.012	0.295
40	23	33%	18%	0%	15%	8%	2%	5%	10%	3%	2%	0%	0%	0%	0%	3%	3%	122	160	LD	25	50	23	81	1	0.304	5.933	0.013	0.260	0.012	0.239
41	0	24%	16%	0%	16%	9%	3%	8%	15%	2%	2%	2%	0%	0%	0%	3%	2%	67	90	LD	25	50	23	82	1	0.359	2.164	0.018	0.107	0.016	0.099
41	1	22%	16%	0%	16%	11%	3%	8%	14%	3%	3%	0%	0%	0%	0%	3%	3%	37	90	LD	25	50	22	82	1	0.369	1.227	0.017	0.056	0.016	0.052
41	2	20%	16%	0%	16%	8%	4%	8%	16%	4%	4%	0%	0%	0%	0%	4%	0%	25	90	LD	25	50	22	83	1	0.394	0.886	0.018	0.041	0.017	0.038
41	3	22%	13%	0%	17%	9%	4%	9%	13%	4%	4%	0%	0%	0%	0%	4%	0%	23	90	LD	25	50	22	83	1	0.390	0.806	0.018	0.038	0.017	0.035
41	4	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	0.373	0.705	0.016	0.031	0.015	0.028
41	5	24%	14%	0%	19%	10%	0%	5%	14%	5%	5%	0%	0%	0%	0%	5%	0%	21	90	LD	25	50	22	83	1	0.373	0.705	0.016	0.031	0.015	0.028
41	6	25%	15%	0%	16%	9%	2%	4%	16%	3%	3%	2%	0%	0%	0%	4%	2%	68	90	LD	25	50	22	83	1	0.372	2.274	0.017	0.105	0.016	0.097
41	7	23%	14%	0%	16%	10%	2%	4%	17%	3%	2%	1%	1%	1%	0%	4%	2%	125	90	LD	24	50	22	82	1	0.387	4.355	0.019	0.209	0.017	0.193
41	8	23%	14%	1%	16%	10%	1%	3%	17%	3%	3%	1%	1%	1%	0%	5%	2%	150	90	LD	24	50	23	79	1	0.391	5.274	0.018	0.248	0.017	0.228
41	9	23%	14%	1%	16%	10%	1%	4%	16%	3%	3%	1%	1%	1%	0%	4%	2%	139	90	LD	24	50	23	77	1	0.392	4.902	0.018	0.231	0.017	0.212
41	10	23%	15%	1%	16%	10%	2%	5%	15%	3%	2%	1%	1%	1%	0%	4%	2%	137	90	LD	24	50	24	74	1	0.379	4.677	0.018	0.228	0.017	0.210
41	11	23%	15%	0%	17%	10%	2%	6%	15%	2%	2%	1%	1%	1%	0%	3%	2%	126	90	LD	24	50	25	72	1	0.374	4.243	0.019	0.216	0.018	0.199
41	12	22%	15%	1%	16%	10%	3%	8%	14%	2%	2%	1%	1%	1%	0%	3%	2%	147	90	LD	24	50	25	71	1	0.373	4.932	0.019	0.252	0.018	0.232
41	13	22%	15%	1%	16%	10%	3%	9%	14%	2%	2%	1%	1%	1%	0%	3%	2%	156	90	LD	24	50	25	71	1	0.375	5.271	0.019	0.269	0.018	0.248
41	14	22%	16%	1%	16%	10%	3%	9%	14%	2%	1%	1%	1%	1%	0%	2%	2%	161	90	LD	24	50	25	71	1	0.364	5.274	0.019	0.281	0.018	0.258
41	15	22%	16%	1%	16%	10%	3%	10%	13%	2%	2%	1%	1%	1%	0%	2%	2%	183	90	LD	23	50	25	72	1	0.364	5.997	0.019	0.320	0.018	0.294
41	16	23%	16%	1%	16%	10%	3%	10%	13%	2%	1%	1%	1%	1%	0%	2%	2%	189	90	LD	23	50	24	74	1	0.370	6.291	0.019	0.329	0.018	0.303
41	17	23%	17%	1%	16%	10%	3%	10%	12%	1%	1%	1%	1%	1%	0%	1%	1%	212	90	LD	23	50	24	76	1	0.366	6.993	0.020	0.381	0.018	0.351
41	18	23%	17%	1%	16%	10%	3%	11%	13%	2%	1%	1%	1%	1%	0%	2%	2%	191	90	LD	23	50	23	77	1	0.375	6.440	0.019	0.332	0.018	0.306
41	19	22%	16%	1%	16%	10%	3%	10%	13%	1%	1%	1%	1%	1%	0%	2%	1%	156	90	LD	24	50	23	78	1	0.373	5.238	0.020	0.277	0.018	0.255
41	20	22%	16%	0%	16%	10%	3%	10%	14%	2%	2%	1%	1%	1%	0%	2%	2%	123	90	LD	24	50	23	79	1	0.369	4.084	0.020	0.218	0.018	0.201
41	21	22%	16%	0%	16%	9%	3%	9%	14%	2%	2%	1%	1%	1%	0%	2%	2%	106	90	LD	24	50	23	80	1	0.372	3.546	0.020	0.190	0.018	0.175
41	22	22%	16%	0%	16%	10%	3%	8%	14%	2%	2%	1%	1%	1%	0%	2%	2%	104	90	LD	24	50	23	81	1	0.364	3.404	0.019	0.182	0.018	0.168
41	23	23%	16%	0%	17%	8%	2%	8%	14%	2%	1%	1%	1%	1%	0%	2%	1%	86	90	LD	25	50	23	81	1	0.360	2.783	0.020	0.152	0.018	0.140
42	0	24%	31%	1%	14%	9%	1%	3%	10%	1%	1%	1%	1%	1%	0%	3%	2%	219	90	LD	23	50	23	82	1	0.364	7.176	0.014	0.267	0.012	0.246
42	1	25%	30%	0%	15%	9%	1%	3%	9%	1%	1%	1%	1%	1%	0%	3%	2%	129	90	LD	24	50	22	82	1	0.362	4.206	0.014	0.163	0.013	0.150
42	2	26%	30%	0%	15%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	3%	80	90	LD	25	50	22	83	1	0.358	2.574	0.013	0.092	0.012	0.085
42	3	27%	30%	0%	15%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	3%	3%	78	90	LD	25	50	22	83	1	0.333	2.339	0.012	0.087	0.011	0.080
42	4	27%	29%	0%	16%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	3%	3%	77	90	LD	25	50	22	83	1	0.332	2.301	0.013	0.087	0.012	0.080
42	5	27%	28%	0%	15%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	3%	74	90	LD	25	50	22	83	1	0.337	2.247	0.013	0.086	0.012	0.079
42	6	26%	27%	0%	15%	9%	1%	4%	11%	0%	0%	1%	0%	0%	0%	3%	2%	228	90	LD	23	50	22	83	1	0.361	7.411	0.014	0.293	0.013	0.271
42	7	26%	25%	0%	14%	8%	1%	4%	11%	1%	1%	1%	1%	1%	0%	3%	2%	417	90	LD	20	50	22	82	1	0.403	15.143	0.016	0.617	0.015	0.569
42	8	26%	25%	0%	15%	9%	1%	4%	11%	1%	1%	1%	1%	1%	0%	3%	3%	518	90	LD	19	50	23	79	1	0.405	18.885	0.017	0.776	0.015	0.714
42	9	26%	26%	0%	14%	9%	1%	4%	10%	1%	0%	1%	1%	1%	0%	3%	2%	461	90	LD	20	50	23	77	1	0.401	16.634	0.016	0.671	0.015	0.618
42	10	26%	28%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	3%	436	90	LD	20	50	24	74	1	0.398	15.615	0.015	0.602	0.014	0.555
42	11	25%	28%	0%	14%	9%	1%	4%	10%	1%	1%	1%	1%	1%	0%	3%	2%	413	90	LD	20	50	25	72	1	0.396	14.713	0.015	0.567	0.014	0.522
42	12	25%	30%	0%	15%	9%	1%	4%	10%	0%	0%	1%	0%	0%	0%	3%	2%	470	90	LD	20	50	25	71	1	0.396	16.763	0.015	0.617	0.013	0.569
42	13	24%	31%	0%	14%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	2%	487	90	LD	20	50	25	71	1	0.400	17.549	0.014	0.631	0.013	0.582
42	14	24%	32%	0%	14%	8%	1%	4%	9%	0%	0%	1%	0%	0%	0%	4%	2%	503	90	LD	19	50	25	71	1	0.413	18.690	0.015	0.661	0.013	0.609
42	15	23%	33%	0%	14%	9%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	566	90	LD	19	50	25	72	1	0.411	20.961	0.014	0.734	0.013	0.675
42	16	23%	33%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	583	90	LD	18	50	24	74	1	0.420	22.062	0.014	0.739	0.013	0.680
42	17	23%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	654	90	LD	17	50	24	76	1	0.431	25.345	0.014	0.839	0.013	0.773
42	18	22%	34%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	4%	2%	593	90	LD	18	50	23	77	1	0.428	22.822	0.014	0.749	0.013	0.690
42	19	23%	33%	0%	14%	8%	1%	3%	9%	0%	0%	0%	0%	0%	0%	4%	2%	487	90	LD	20	50	23	78	1	0.409	17.908	0.014	0.605	0.013	0.557
42	20	23%	33%	0%	14%	8%	1%	3%	9%	1%	0%	1%	0%	0%	0%	4%	2%	380	90	LD	21	50	23	79	1	0.401	13.727	0.014	0.462	0.012	0.425
42	21	23%	33%	0%	14%	8%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	326	90	LD	22	50	23	80	1	0.385	11.308	0.013	0.394	0.012	0.363
42	22	24%	32%	0%	14%	8%	1%	4%	10%	0%	0%	1%	0%	0%	0%	4%	2%	317	90	LD	22	50	23	81	1	0.385	10.976	0.014	0.387	0.013	0.357
42	23	24%	31%	0%	14%	9%	1%	3%	9%	0%	0%	1%	0%	0%	0%	3%	2%	265	90	LD	22	50	23	81	1	0.376	8.970	0.014	0.326	0.013	0.300
43	0	22%	11%	0%	22%	11%	0%	6%	0%	11%	6%	6%	0%	0%	0%	6%	0%	18	70	LD	25	50	23	82	1	0.351	0.442	0.017	0.022	0.016	0.020
43	1	25%	17%	0%	17%	8%	0%	8%	0%	8%	8%	0%	0%	0%	0%	8%	0%	12	70	LD	25	50	22	82	1	0.422	0.355	0.016	0.013	0.014	0.012
43	2	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.224	0.125	0.010	0.006	0.009	0.005
43	3	25%	13%	0%	25%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	0%	0%	8	70	LD	25	50	22	83	1	0.224	0.125	0.010	0.006	0.009	0.005
43	4	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	0.459	0.257	0.015	0.008	0.014	0.008
43	5	25%	13%	0%	13%	13%	0%	0%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8	70	LD	25	50	22	83	1	0.459	0.257	0.015	0.008	0.014	0.008
43	6	21%	14%	0%	14%	7%	0%	4%	0%	11%	7%	4%	4%	4%	0%	7%	4%	28	70	LD	25	50	22	83	1	0.428	0.840	0.023	0.045	0.021	0.041
43	7	24%	12%	0%	12%	7%	2%	3%	0%	10%	9%	3%	3%	3%	0%	7%	3%	58	70	LD	25	50	22	82	1	0.418	1.698	0.023	0.093	0.021	0.085
43	8	24%	15%	0%	13%	7%	1%	3%	0%	11%	8%	4%	3%	3%	0%	7%	3%	75	70	LD	25	50	23	79	1	0.400	2.099	0.021	0.110	0.019	0.101
43	9	24%	13%	0%	13%	8%	2%	3%	0%	10%	8%	3%	3%	3%	0%	7%	3%	62	70	LD	25	50	23	77	1	0.410	1.778	0.022	0.095	0.020	0.088
43	10	23%	14%	0%	15%	10%	2%	4%	0%	10%	8%	4%	2%	2%	0%	6%	2%	52	70	LD	25	50	24	74	1	0.384	1.396	0.020	0.072	0.018	0.066
43	11	24%	13%	0%	17%	9%	2%	4%	0%	9%	7%	4%	2%	2%	0%	4%	2%	46	70	LD	25	50	25	72	1	0.356	1.146	0.020	0.065	0.019	0.060
43	12	22%	12%	0%	20%	10%	2%	6%	0%	8%	6%	4%	2%	2%	0%	4%	2%	50	70	LD	25	50	25	71	1	0.363	1.269	0.020	0.071	0.019	0.066
43	13	23%	11%	0%	21%	11%	2%	6%	0%	6%	6%	2%	2%	2%	0%	4%	2%	47	70	LD	25	50	25	71	1	0.370	1.216	0.020	0.066	0.018	0.060
43	14	22%	11%	0%	22%	13%	2%	7%	0%	7%	4%	2%	2%	2%	0%	2%	2%	45	70	LD	25	50	25	71	1	0.337	1.061	0.019	0.061	0.018	0.056
43	15	21%	11%	0%	26%	13%	2%	9%	0%	6%	4%	2%	2%	2%	0%	2%	0%	47	70	LD	25	50	25	72	1	0.339	1.115	0.020	0.066	0.018	0.061
43	16	19%	9%	0%	28%	16%	2%	9%	0%	5%	5%	2%	2%	2%	0%	0%	0%	43	70	LD	25	50	24	74	1	0.324	0.976	0.021	0.063	0.019	0.058
43	17	17%	9%	0%	30%	15%	4%	11%	0%	4%	2%	2%	2%	2%	0%	0%	0%	46	70	LD	25	50	24	76	1	0.330	1.062	0.021	0.069	0.020	0.063
43	18	19%	9%	0%	28%	16%	2%	9%	0%	5%	5%	2%	2%	2%	0%	0%	0%	43	70	LD	25	50	23	77	1	0.327	0.983	0.021	0.063	0.019	0.058
43	19	19%	11%	0%	27%	14%	3%	8%	0%	5%	5%	3%	3%	3%	0%	0%	0%	37	70	LD	25	50	23	78	1	0.322	0.835	0.021	0.055	0.019	0.050
43	20	19%	10%	0%	23%	13%	3%	10%	0%	7%	3%	3%	3%	3%	0%	3%	0%	31	70	LD	25	50	23	79	1	0.388	0.841	0.024	0.053	0.022	0.049
43	21	18%	11%	0%	21%	14%	4%	7%	0%	7%	4%	4%	4%	4%	0%	4%	0%	28	70	LD	25	50	23	80	1	0.394	0.772	0.025	0.048	0.023	0.044
43	22	20%	10%	0%	20%	13%	3%	7%	0%	7%	7%	3%	3%	3%	0%	3%	0%	30	70	LD	25	50	23	81	1	0.378	0.794	0.024	0.050	0.022	0.046
43	23	19%	12%	0%	19%	12%	4%	8%	0%	8%	4%	4%	4%	4%	0%	4%	0%	26	70	LD	25	50	23	81	1	0.394	0.716	0.025	0.046	0.023	0.042
44	0	31%	14%	0%	15%	8%	1%	4%	16%	2%	2%	0%	0%	0%	0%	4%	3%	100	70	LD	25	50	23	82	1	0.339	2.370	0.015	0.108	0.014	0.099
44	1	34%	11%	0%	15%	9%	2%	4%	15%	2%	2%	0%	0%	0%	0%	4%	2%	53	70	LD	25	50	22	82	1	0.332	1.232	0.016	0.058	0.014	0.053
44	2	31%	11%	0%	14%	9%	3%	6%	14%	3%	3%	0%	0%	0%	0%	3%	3%	35	70	LD	25	50	22	83	1	0.330	0.808	0.016	0.040	0.015	0.036
44	3	29%	12%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	34	70	LD	25	50	22	83	1	0.336	0.800	0.016	0.039	0.015	0.036
44	4	30%	9%	0%	15%	9%	3%	6%	15%	3%	3%	0%	0%	0%	0%	3%	3%	33	70	LD	25	50	22	83	1	0.336	0.776	0.017	0.039	0.016	0.036
44	5	26%	10%	0%	16%	10%	3%	7%	16%	3%	3%	0%	0%	0%	0%	3%	3%	31	70	LD	25	50	22	83	1	0.357	0.774	0.018	0.038	0.016	0.035
44	6	27%	9%	0%	16%	9%	2%	7%	20%	2%	2%	0%	0%	0%	0%	4%	2%	92	70	LD	25	50	22	83	1	0.376	2.424	0.019	0.119	0.017	0.110
44	7	26%	9%	1%	15%	10%	3%	7%	20%	3%	2%	0%	0%	0%	0%	4%	1%	162	70	LD	23	50	22	82	1	0.389	4.413	0.019	0.221	0.018	0.204

2033 w/ Project		Vehicle Breakdown %																								Summary of Emission Factors					
Road ID	Hr	PC	TAXI	LGV 3	LGV 4	LGV 6	HGV 7	HGV 8	PLB	PV4	PV5	NFB 6	NFB 7	NFB 8	FBS D	FBD D	MC	Total (Veh/hr)	Road Length (m)	Road type	Average Speed (km/hr)	Speed Limit (km/hr)	Temp	RH	Start Emission Count	NOx EF (g/hr/km)	NOx EM (g/hr)	PM10 EF (g/hr/km)	PM10 EM (g/hr)	PM2.5 EF (g/hr/km)	PM2.5 EM (g/hr)
44	8	25%	9%	1%	15%	10%	3%	9%	20%	3%	2%	0%	0%	0%	1%	4%	1%	201	70	LD	23	50	23	79	1	0.409	5.761	0.021	0.289	0.019	0.266
44	9	26%	10%	1%	16%	9%	2%	8%	19%	3%	2%	0%	0%	0%	1%	4%	2%	187	70	LD	23	50	23	77	1	0.394	5.161	0.019	0.251	0.018	0.232
44	10	28%	11%	1%	15%	9%	2%	6%	18%	2%	2%	0%	0%	0%	1%	4%	2%	181	70	LD	23	50	24	74	1	0.387	4.900	0.018	0.233	0.017	0.215
44	11	29%	12%	1%	15%	9%	2%	6%	17%	2%	2%	0%	0%	0%	0%	4%	2%	177	70	LD	23	50	25	72	1	0.364	4.512	0.017	0.215	0.016	0.199
44	12	30%	12%	1%	15%	9%	1%	5%	16%	2%	2%	0%	0%	0%	1%	4%	2%	207	70	LD	23	50	25	71	1	0.367	5.313	0.017	0.244	0.016	0.225
44	13	32%	13%	1%	15%	9%	1%	4%	15%	2%	2%	0%	0%	0%	1%	4%	3%	221	70	LD	23	50	25	71	1	0.350	5.412	0.016	0.243	0.015	0.224
44	14	33%	14%	0%	15%	9%	1%	3%	14%	2%	2%	0%	0%	0%	0%	4%	3%	232	70	LD	23	50	25	71	1	0.354	5.751	0.015	0.248	0.014	0.228
44	15	34%	14%	0%	14%	9%	1%	3%	14%	2%	2%	0%	0%	0%	0%	4%	4%	266	70	LD	22	50	25	72	1	0.351	6.543	0.015	0.278	0.014	0.256
44	16	34%	15%	0%	15%	9%	1%	2%	13%	2%	1%	0%	0%	0%	0%	4%	4%	282	70	LD	22	50	24	74	1	0.355	7.007	0.015	0.286	0.013	0.264
44	17	35%	16%	0%	14%	8%	1%	2%	12%	2%	2%	0%	0%	0%	0%	4%	4%	323	70	LD	22	50	24	76	1	0.345	7.801	0.014	0.316	0.013	0.291
44	18	35%	15%	0%	15%	8%	1%	2%	13%	2%	1%	0%	0%	0%	0%	4%	4%	286	70	LD	22	50	23	77	1	0.352	7.052	0.014	0.287	0.013	0.264
44	19	34%	15%	0%	15%	9%	1%	2%	13%	2%	2%	0%	0%	0%	0%	4%	3%	233	70	LD	23	50	23	78	1	0.351	5.733	0.014	0.236	0.013	0.218
44	20	34%	15%	1%	15%	9%	1%	2%	14%	2%	2%	0%	0%	0%	0%	4%	3%	178	70	LD	24	50	23	79	1	0.330	4.112	0.014	0.176	0.013	0.162
44	21	34%	15%	1%	15%	9%	1%	3%	14%	2%	1%	0%	0%	0%	0%	4%	3%	152	70	LD	24	50	23	80	1	0.330	3.507	0.014	0.152	0.013	0.140
44	22	33%	13%	1%	15%	9%	1%	3%	14%	2%	1%	0%	0%	0%	0%	4%	3%	149	70	LD	24	50	23	81	1	0.333	3.474	0.015	0.153	0.014	0.141
44	23	33%	14%	0%	15%	9%	1%	3%	15%	2%	2%	0%	0%	0%	0%	4%	3%	122	70	LD	24	50	23	81	1	0.340	2.899	0.015	0.128	0.014	0.118
45	0	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	2%	344	70	LD	24	50	23	82	1	0.381	9.176	0.017	0.420	0.016	0.387
45	1	27%	21%	1%	12%	8%	4%	12%	7%	2%	1%	1%	1%	1%	0%	3%	2%	205	70	LD	25	50	22	82	1	0.372	5.344	0.018	0.251	0.016	0.231
45	2	27%	22%	0%	13%	8%	4%	13%	6%	2%	1%	1%	0%	0%	0%	3%	3%	134	70	LD	25	50	22	83	1	0.370	3.468	0.017	0.156	0.015	0.144
45	3	27%	22%	0%	12%	8%	4%	13%	6%	2%	1%	1%	0%	0%	0%	3%	3%	133	70	LD	25	50	22	83	1	0.371	3.450	0.017	0.156	0.015	0.144
45	4	27%	23%	0%	12%	6%	4%	13%	6%	2%	1%	1%	0%	0%	0%	3%	3%	132	70	LD	25	50	22	83	1	0.370	3.418	0.017	0.154	0.015	0.142
45	5	27%	23%	0%	11%	6%	4%	13%	6%	2%	1%	1%	0%	1%	0%	3%	3%	132	70	LD	25	50	22	83	1	0.377	3.481	0.017	0.160	0.016	0.147
45	6	27%	22%	0%	10%	6%	5%	13%	6%	1%	1%	1%	1%	1%	0%	3%	3%	406	70	LD	23	50	22	83	1	0.409	11.611	0.019	0.528	0.017	0.487
45	7	27%	22%	0%	10%	6%	5%	13%	7%	1%	1%	1%	0%	0%	0%	3%	3%	740	70	LD	21	50	22	82	1	0.426	22.075	0.019	0.989	0.018	0.909
45	8	27%	22%	0%	10%	6%	5%	13%	6%	2%	1%	1%	0%	0%	0%	3%	4%	939	70	LD	19	50	23	79	1	0.446	29.306	0.020	1.300	0.018	1.196
45	9	27%	22%	0%	10%	6%	5%	13%	7%	1%	1%	1%	0%	0%	0%	3%	3%	806	70	LD	20	50	23	77	1	0.433	24.452	0.019	1.089	0.018	1.004
45	10	27%	22%	0%	11%	7%	4%	13%	6%	1%	1%	1%	0%	0%	0%	3%	3%	748	70	LD	21	50	24	74	1	0.422	22.105	0.019	0.992	0.017	0.912
45	11	27%	22%	0%	12%	7%	4%	12%	6%	1%	1%	0%	0%	0%	0%	3%	3%	679	70	LD	21	50	25	72	1	0.408	19.407	0.018	0.873	0.017	0.803
45	12	27%	21%	0%	12%	7%	4%	12%	7%	1%	1%	0%	0%	0%	0%	3%	3%	753	70	LD	21	50	25	71	1	0.413	21.775	0.018	0.971	0.017	0.893
45	13	27%	21%	0%	13%	8%	4%	12%	7%	1%	1%	0%	0%	0%	0%	3%	3%	757	70	LD	21	50	25	71	1	0.411	21.792	0.018	0.971	0.017	0.893
45	14	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	3%	761	70	LD	21	50	25	71	1	0.409	21.814	0.018	0.965	0.017	0.888
45	15	27%	20%	0%	14%	9%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	838	70	LD	20	50	25	72	1	0.410	24.032	0.018	1.057	0.017	0.975
45	16	27%	20%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	844	70	LD	20	50	24	74	1	0.413	24.393	0.018	1.062	0.017	0.979
45	17	27%	19%	0%	16%	9%	4%	10%	6%	2%	1%	0%	0%	0%	0%	3%	2%	919	70	LD	19	50	24	76	1	0.422	27.154	0.018	1.171	0.017	1.077
45	18	27%	20%	0%	15%	9%	4%	10%	6%	1%	1%	0%	0%	0%	0%	3%	2%	846	70	LD	20	50	23	77	1	0.416	24.635	0.018	1.064	0.017	0.981
45	19	27%	20%	0%	15%	9%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	700	70	LD	21	50	23	78	1	0.407	19.924	0.018	0.879	0.017	0.809
45	20	27%	20%	0%	14%	9%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	2%	557	70	LD	22	50	23	79	1	0.401	15.637	0.018	0.688	0.016	0.634
45	21	27%	20%	0%	14%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	4%	2%	488	70	LD	22	50	23	80	1	0.401	13.697	0.018	0.603	0.016	0.555
45	22	27%	21%	0%	13%	8%	4%	11%	6%	1%	1%	0%	0%	0%	0%	3%	3%	484	70	LD	23	50	23	81	1	0.388	13.138	0.017	0.588	0.016	0.542
45	23	27%	21%	0%	13%	8%	4%	12%	6%	1%	1%	1%	0%	0%	0%	3%	3%	416	70	LD	23	50	23	81	1	0.392	11.402	0.018	0.511	0.016	0.471
46	0	20%	16%	0%	10%	5%	9%	24%	8%	2%	1%	1%	1%	1%	0%	2%	1%	157	280	LD	23	50	23	82	1	0.442	19.417	0.025	1.118	0.023	1.030
46	1	21%	18%	0%	8%	4%	8%	26%	8%	2%	1%	1%	0%	0%	0%	2%	1%	90	280	LD	24	50	22	82	1	0.442	11.136	0.024	0.614	0.022	0.566
46	2	20%	18%	0%	8%	5%	8%	26%	8%	2%	2%	0%	0%	0%	0%	2%	2%	61	280	LD	25	50	22	83	1	0.429	7.323	0.024	0.404	0.022	0.372
46	3	20%	18%	0%	7%	5%	8%	26%	8%	2%	2%	0%	0%	0%	0%	3%	2%	61	280	LD	25	50	22	83	1	0.461	7.873	0.024	0.416	0.022	0.383
46	4	18%	18%	0%	7%	5%	8%	27%	8%	2%	2%	0%	0%	0%	0%	3%	2%	60	280	LD	25	50	22	83	1	0.468	7.863	0.025	0.414	0.023	0.381
46	5	18%	20%	0%	7%	3%	8%	28%	8%	2%	2%	0%	0%	0%	0%	3%	2%	61	280	LD	25	50	22	83	1	0.473	8.083	0.025	0.425	0.023	0.391
46	6	16%	19%	0%	7%	4%	10%	26%	9%	2%	2%	1%	1%	1%	0%	3%	2%	189	280	LD	23	50	22	83	1	0.488	25.809	0.026	1.391	0.024	1.280
46	7	16%	20%	0%	6%	4%	9%	26%	8%	2%	1%	1%	1%	1%	0%	3%	2%	348	280	LD	20	50	22	82	1	0.552	53.819	0.028	2.701	0.026	2.488
46	8	15%	20%	0%	6%	4%	9%	26%	8%	2%	2%	1%	1%	1%	0%	3%	3%	439	280	LD	18	50	23	79	1	0.585	71.964	0.029	3.514	0.026	3.232
46	9	16%	19%	0%	7%	4%	9%	26%	9%	2%	2%	1%	1%	1%	0%	3%	2%	378	280	LD	20	50	23	77	1	0.542	57.389	0.027	2.905	0.025	2.676
46	10	17%	18%	0%	7%	4%	9%	25%	8%	2%	1%	1%	1%	1%	0%	3%	2%	347	280	LD	20	50	24	74	1	0.534	51.837	0.028	2.685	0.025	2.473
46	11	19%	18%	0%	8%	5%	9%	25%	8%	2%	2%	1%	0%	0%	0%	3%	2%	313	280	LD	21	50	25	72	1	0.495	43.372	0.026	2.292	0.024	2.109
46	12	20%	17%	0%	8%	5%	9%	24%	8%	2%	2%	1%	0%	0%	0%	2%	2%	344	280	LD	20	50	25	71	1	0.496	47.817	0.026	2.528	0.024	2.329
46	13	21%	16%	0%	9%	6%	9%	24%	8%	2%	1%	1%	0%	0%	0%	2%	1%	345	280	LD	20	50	25	71	1	0.485	46.810	0.026	2.508	0.024	2.311
46	14	22%	15%	0%	10%	6%	9%	24%	8%	2%	1%	1%	0%	0%	0%	2%	1%	346	280	LD	20	50	25	71	1	0.472	45.708	0.026	2.498	0.024	2.301
46	15	23%	14%	0%	10%	6%	8%	24%	8%	2%	1%	1%	0%	0%	0%	2%	1%	378	280	LD	20	50	25	72	1	0.462	48.883	0.026	2.712	0.024	2.499
46	16	24%	13%	0%	11%	6%	8%	23%	7%	2%	1%	1%	0%	0%	0%	2%	1%	375	280	LD	20	50	24	74	1	0.455	47.723	0.025	2.660	0.023	2.451
46	17	25%	13%	0%	11%	7%	8%	23%	7%	2%	2%	1%	0%	0%	0%	2%	1%	409	280	LD	19	50	24	76	1	0.454	52.019	0.025	2.916	0.023	2.683
46	18	25%	13%	0%	11%	6%	8%	23%	7%	2%	1%	1%	0%	0%	0%	2%	1%	377	280	LD	20	50	23	77	1	0.455	47.999	0.025	2.670	0.023	2.461
46	19	24%	14%	0%	11%	6%	8%	24%	7%	2%	1%	0%	0%	0%	0%	2%	1%	311	280	LD	21	50	23	78	1	0.444	38.678	0.025	2.170	0.023	1.996
46	20	23%	14%	0%	10%	6%	8%	24%	8%	2%	2%	0%	0%	0%	0%	2%	1%	251	280	LD	22	50	23	79	1	0.438	30.806	0.025	1.757	0.023	1.618
46	21	22%	14%	0%	10%	6%	9%	23%	8%	2%	1%	0%	0%	0%	0%	2%	1%	223	280	LD	22	50	23	80	1	0.440	27.484	0.025	1.554	0.023	1.432
46	22	22%	15%	1%	10%	5%	9%	24%	8%	2%	1%	1%	1%	1%	0%	2%	1%	222	280	LD	22	50	23	81	1	0.447	27.766	0.025	1.582	0.023	1.457
46	23	21%	15%	0%	10%	5%	9%	24%	8%	2%	2%	1%	1%	1%	0%	2%	1%	189	280	LD	23	50	23	81	1	0.443	23.450	0.025	1.337	0.023	1.231
47	0	12%	44%	0%	10%	6%	2%	4%	20%	0%	0%	2%	0%	0%	0%	0%	0%	50	280	LD	25	50	23	82	1	0.349	4.883	0.014	0.193	0.013	0.178
47	1	14%	43%	0%	11%	7%	0%	4%	21%	0%	0%	0%	0%	0%	0%	0%	0%	28	280	LD	25	50	22	82	1	0.349	2.735	0.012	0.097	0.011	0.089
47	2	13%	38%	0%	13%	6%	0%	6%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	280	LD	25	50	22	83	1	0.365	1.636	0.015	0.067	0.014	0.062
47	3	13%	33%	0%	13%	7%	0%	7%	27%	0%	0%	0%	0%	0%	0%	0%	0%	15	280	LD	25	50	22	83	1	0.364	1.530	0.016	0.067	0.015	0.062
47	4	14%	29%	0%	14%	7%	0%	7%	29%	0%	0%	0%	0%	0%	0%	0%	0%	14	280	LD	25	50	22	83	1	0.363	1.423	0.017	0.067	0.016	0.061
47	5	17%	25%	0%	8%	8%	0%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	12	280	LD	25	50	22	83	1	0.370	1.243	0.019	0.064	0.018	0.059
47	6	12%	19%	0%	10%	5%	2%	7%	33%	2%	2%	2%	2%	2%	0%	0%	0%	42	280	LD	25	50	22	83	1	0.401	4.714	0.026	0.310	0.024	0.285
47	7	12%	15%	0%	10%	6%	3%	8%	37%	2%	2%	3%	2%	2%	0%	0%	0%	67	280	LD	25	50	22	82	1	0.401	7.520	0.027	0.498	0.024	0.458
47	8	10%	7%	0%	10%	7%	3%	8%	43%	3%	1%	4%	3%	3%	0%	0%	0%	77	280	LD	25	50	23	79	1	0.415	8.951	0.032	0.683	0.029	0.628
47	9	13%	20%	0%	10%	6%	3%	6%	34%	1%	1%	3%	1%	3%	0%	0%	0%	80	280	LD	25	50	23	77	1	0.398	8.911	0.025	0.557	0.023	0.512
47	10	13%	28%	0%	10%	6%	2%	5%	29%	1%	1%	2%	1%	1%	0%	0%	0%	83	280	LD	25	50	24	74	1	0.370	8.600	0.021	0.484	0.019	0.445
47	11	13%	35%	0%	10%	6%	1%	5%	25%	1%	1%	1%	1%	1%	0%	0%	0%	84	280	LD	25	50	25	72	1	0.363	8.529	0.018	0.429	0.017	0.394
47	12	14%	39%	0%	10%	6%	1%	4%	22%	1%	1%	1%	1%	1%	0%	0%	0%	106	280	LD	25	50	25	71	1	0.350	10.389	0.016	0.462	0.014	0.425
47	13	14%	43%	0%	10%	6%	1%	3%	19%	1%	1%	1%	1%	1%	0%	0%	0%	118	280	LD	24	50	25	71	1	0.351	11.605	0.014	0.467	0.013	0.430
47	14	14%	47%	0%	11%	6%	1%	2%	17%	0%	0%	1%	1%	1%	0%	0%	1%	127	280	LD	24	50	25	71	1	0.347	12.329	0.013	0.452	0.012	0.416
47	15	14%	50%	0%	11%	5%	1%	2%	15%	0%	0%	1%	1%	1%	0%	0%	1%	150	280	LD	24	50	25	72	1	0.342	14.353	0.011	0.481	0.011	0.443
47	16	14%	52%	0%	10%	6%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	163	280	LD	24	50	24	74	1	0.341	15.572	0.010	0.479	0.010	0.441
47	17	14%	54%	0%	11%	6%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	190	280	LD	24	50	24	76	1	0.336	17.879	0.010	0.512	0.009	0.471
47	18	14%	52%	0%	11%	6%	1%	2%	12%	0%	0%	1%	1%	1%	0%	0%	1%	170	280	LD	24	50	23	77	1	0.345	16.444	0.010	0.491	0.009	0.452
47	19	14%	51%	0%	11%	5%	1%	2%	13%	0%	0%	1%	1%	1%	0%	0%	1%	137	280	LD	24	50	23	78	1	0.346	13.261	0.011	0.422	0.010	0.388
47	20	14%	49%	0%	10%	6%	1%	2%	14%	0%	0%	1%	1%	1%	0%	0%	1%	106	280	LD	25	50	23	79	1	0.342	10.149	0.012	0.350	0.011	0.322
47	21	14%	49%	0%	9%	6%	1%	2%	16%	0%	0%	1%	0%	1%	0%	0%	0%	86	280	LD	25	50	23	80	1	0.345	8.302	0.012	0.288	0.011	0.265
47	22	14%	46%	0%	10%	6%	1%	3%	17%	0%	0%	1%	1%	1%	0%	0%	0%	81	280	LD	25	50	23	81	1	0.349	7.918	0.014	0.320	0.013	0.294
47	23	12%	46%	0%	9%	6%	2%	3%	19%	0%	0%	2%	0%	2%	0%	0%	0%	65	280	LD	25	50	23	81	1	0.356	6.481	0.014	0.250	0.013	0.229
48	0	4%	6%	0%	10%	6%	20%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	70	300	LD	25	50	23	82	1	0.549	11.528	0.037	0.778	0.034	0.716
48	1	5%	7%	0%	10%	5%	17%	55%	0%	0%	0%	0%	0%	0%	0%	0%	2%	42	300	LD	25	50	22	82	1	0.563	7.090	0.037	0.465	0.034	0.428
48	2	4%	7%	0%	7%	4%	18%	57%	0%	0%	0%	0%	0%	0%	0%	0%	4%	28	300	LD	25	50	22	83	1	0.577	4.847	0.038	0.320	0.035	0.294
48	3	4%	7%	0%	7%	4%	18%	57%	0%	0%	0%	0%	0%	0%	0%	0%	4%	28	300	LD	25	50	22	83	1	0.577	4.847	0.038	0.320	0.035	0.294
48	4	7%	7%	0%	7%	3%	17%	55%	0%	0%	0%	0%	0%	0%	0%	0%	3%	29	300	LD	25	50	22	83	1	0.557	4.849	0.037	0.321	0.034	0.296
48	5	7%	7%	0%	7%	3%	17%	55%	0%	0%	0%	0%	0%	0%	0%	0%	3%	29	300	LD	25	50	22	83	1	0.557	4.849	0.037	0.321	0.034	0.296
48	6	6%	9%	0%	7%	5%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	3%	89	300	LD	24	50	22	83	1	0.568	15.163	0.036	0.967	0.033	0.890
48	7	6%	11%	0%	7%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	4%	168	300	LD	23	50	22	82	1	0.585	29.467	0.037	1.869	0.034	1.720
48	8	7%	11%	0%	7%	3%	18%	51%	0%	0%	0%	1%	1%	1%	0%	0%	4%	216	300	LD	22	50	23	79	1	0.596	38.647	0.037	2.421	0.034	2.229
48	9	6%	10%	0%	8%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	3%	185	300	LD	22	50	23	77	1	0.600	33.304	0.037	2.080	0.035	1.915
48	10	6%	9%	0%	8%	4%	18%	50%	0%	0%	0%	1%	1%	1%	0%	0%	3%	168	300	LD	23	50	24	74	1	0.578	29.147	0.037	1.882	0.034	1.731
48	11	5%	8%	0%	10%	5%	18%	52%	0%	0%	0%	1%	0%	0%	0%	0%	3%	147	300	LD	23	50	25	72	1	0.575	25.376	0.037	1.632	0.034	1.501
48	12	5%	7%	0%	10%	5%	19%	52%	0%	0%	0%	1%	0%	0%	0%	0%	3%	161	300	LD	23	50	25	71	1	0.577	27.858	0.037	1.799	0.034	1.655
48	13	5%	5%	0%	11%	6%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	2%	157	300	LD	23	50	25	71	1	0.578	27.224	0.037	1.762	0.034	1.621
48	14	5%	5%	0%	12%	7%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	156	300	LD	23	50	25	71	1	0.582	27.215	0.038	1.768	0.035	1.627
48	15	5%	4%	0%	12%	7%	18%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	169	300	LD	22	50	25	72	1	0.595	30.183	0.038	1.941	0.035	1.788
48	16	4%	2%	1%	13%	8%	19%	52%	0%	0%	0%	0%	0%	0%	0%	0%	1%	168	300	LD	23	50	24	74	1	0.583	29.385	0.038	1.916	0.035	1.763
48	17	4%	1%	1%	14%	9%	18%	53%	0%	1%	0%	0%	0%	0%	0%	0%	0%	180	300	LD	22	50	24	76	1	0.597	32.223	0.039	2.096	0.036	1.930
48	18	4%	2%	1%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	166	300	LD	23	50	23	77	1	0.589	29.309	0.038	1.913	0.035	1.760
48	19	4%	2%	0%	13%	8%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	139	300	LD	23	50	23	78	1	0.588	24.505	0.038	1.600	0.035	1.472
48	20	5%	3%	0%	13%	7%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	112	300	LD	24	50	23	79	1	0.566	19.004	0.038	1.262	0.035	1.162
48	21	4%	4%	0%	12%	6%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	98	300	LD	24	50	23	80	1	0.568	16.693	0.038	1.107	0.035	1.019
48	22	5%	4%	0%	11%	6%	19%	53%	0%	0%	0%	0%	0%	0%	0%	0%	1%	98	300	LD	24	50	23	81	1	0.563	16.560	0.038	1.106	0.035	1.018
48	23	5%	5%	0%	10%	6%	19%	54%	0%	0%	0%	0%	0%	0%	0%	0%	1%	83	300	LD	24	50	23	81	1	0.570	14.188	0.038	0.946	0.035	0.871
49	0	9%	16%	0%	19%	13%	9%	31%	0%	0%	0%	0%	0%	0%	0%	0%	3%	32	300	LD	25	50	23	82	1	0.438	4.205	0.025	0.235	0.023	0.217
49	1	11%	16%	0%	21%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19	300	LD	25	50	22	82	1	0.440	2.507	0.025	0.141	0.023	0.130
49	2	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	0.463	1.527	0.026	0.087	0.024	0.080
49	3	9%	18%	0%	18%	9%	9%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11	300	LD	25	50	22	83	1	0.463	1.527	0.026	0.087	0.024	0.080
49	4	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	0.455	1.636	0.024	0.087	0.022	0.080
49	5	8%	25%	0%	17%	8%	8%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12	300	LD	25	50	22	83	1	0.455	1.636	0.024	0.087	0.022	0.080
49	6	5%	24%	0%	17%	10%	10%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	41	300	LD	25	50	22	83	1	0.472	5.800	0.025	0.308	0.023	0.284
49	7	5%	25%	0%	19%	10%	10%	30%	0%	0%	0%	1%	0%	0%	0%	0%	0%	80	300	LD	25	50	22	82	1	0.456	10.946	0.024	0.578	0.022	0.532
49	8	4%	25%	0%	17%	11%	11%	30%	0%	1%	0%	1%	1%	1%	0%	0%	0%	105	300	LD	24	50	23	79	1	0.477	15.027	0.026	0.829	0.024	0.763
49	9	5%	25%	0%	19%	9%	9%	31%	0%	1%	0%	1%	0%	0%	0%	0%	0%	85	300	LD	24	50	23	77	1	0.466	11.885	0.024	0.623	0.022	0.573
49	10	7%	22%	0%	20%	10%	9%	30%	0%	0%	0%	1%	0%	0%	0%	0%	1%	77	300	LD	25	50	24	74	1	0.446	10.306	0.024	0.556	0.022	0.512
49	11	7%	20%	0%	20%	10%	10%	30%	0%	0%	0%	0%	0%	0%	0%	0%	1%	69	300	LD	25	50	25	72	1	0.440	9.107	0.024	0.492	0.022	0.453
49	12	9%	17%	0%	21%	11%	10%	31%	0%	0%	0%	0%	0%	0%	0%	0%	1%	71	300	LD	25	50	25	71	1	0.440	9.367	0.024	0.519	0.022	0.478
49	13	10%	16%	0%	21%	11%	10%	31%	0%	0%	0%	0%	0%	0%	0%	0%	1%	71	300	LD	25	50	25	71	1	0.435	9.261	0.024	0.521	0.023	0.480
49	14	11%	11%	0%	23%	11%	10%	30%	0%	0%	0%	0%	0%	0%	0%	0%	3%	70	300	LD	25	50	25	71	1	0.424	8.909	0.024	0.511	0.022	0.470
49	15	13%	8%	0%	22%	13%	9%	30%	0%	1%	0%	0%	0%	0%	0%	0%	3%	76	300	LD	25	50	25	72	1	0.413	9.426	0.025	0.563	0.023	0.518
49	16	15%	5%	0%	23%	13%	9%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	75	300	LD	25	50	24	74	1	0.408	9.187	0.024	0.549	0.022	0.505
49	17	18%	3%	0%	23%	14%	9%	29%	0%	1%	0%	0%	0%	0%	0%	0%	4%	79	300	LD	25	50	24	76	1	0.394	9.331	0.024	0.580	0.023	0.534
49	18	15%	4%	0%	23%	14%	10%	30%	0%	1%	0%	0%	0%	0%	0%	0%	4%	74	300	LD	25	50	23	77	1	0.413	9.159	0.025	0.550	0.023	0.506
49	19	13%	7%	0%	23%	12%	10%	32%	0%	0%	0%	0%	0%	0%	0%	0%	3%	60	300	LD	25	50	23	78	1	0.427	7.690	0.025	0.459	0.023	0.422
49	20	12%	8%	0%	22%	12%	10%	32%	0%	0%	0%	0%	0%	0%	0%	0%	4%	50	300	LD	25	50	23	79	1	0.433	6.499	0.026	0.383	0.023	0.352
49	21	12%	9%	0%	23%	12%	9%	33%	0%	0%	0%	0%	0%	0%	0%	0%	2%	43	300	LD	25	50	23	80	1	0.432	5.577	0.026	0.330	0.024	0.304
49	22	11%	11%	0%	23%	11%	9%	32%	0%	0%	0%	0%	0%	0%	0%	0%	2%	44	300	LD	25	50	23	81	1	0.429	5.668	0.025	0.330	0.023	0.303
49	23	11%	14%	0%	19%	11%	11%	32%	0%	0%	0%	0%	0%	0%	0%	0%	3%	37	300	LD	25	50	23	81	1	0.438	4.867	0.025	0.281	0.023	0.259
50	0	46%	15%	0%	23%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13	260	LD	25	50	23	82	1	0.183	0.617	0.008	0.026	0.007	0.024
50	1	43%	14%	0%	29%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7	260	LD	25	50	22	82	1	0.192	0.350	0.008	0.014	0.007	0.013
50	2	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.212	0.276	0.008	0.010	0.007	0.009
50	3	40%	20%	0%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5	260	LD	25	50	22	83	1	0.212	0.276	0.008	0.010	0.007	0.009
50	4	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.172	0.178	0.010	0.010	0.009	0.009
50	5	50%	0%	0%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4	260	LD	25	50	22	83	1	0.172	0.178	0.010	0.010	0.009	0.009
50	6	40%	10%	0%	30%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10	260	LD	25	50	22	83	1	0.201	0.523	0.009	0.023	0.008	0.021
50	7	39%	6%	0%	33%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18	260	LD	25	50	22	82	1	0.203	0.948	0.010	0.045	0.009	0.041
50	8	35%	4%	0%	35%	22%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	23	260	LD	25	50	23	79	1	0.200	1.195	0.010	0.057	0.009	0.053
50	9	44%	9%	0%	30%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23	260	LD	25	50	23	77	1	0.188	1.125	0.009	0.052	0.008	0.048
50	10	46%	9%	0%	27%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22	260	LD	25	50	24	74	1	0.184	1.050	0.009	0.049	0.008	0.046
50	11	44%	13%	0%	26%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	23	260	LD	25	50	25	72	1	0.190	1.136	0.008	0.046	0.007	0.043
50	12	44%	15%	0%	22%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	27	260	LD	25	50	25	71	1	0.192	1.349	0.008	0.054	0.007	0.050
50	13	48%	14%	0%	21%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	29	260	LD	25	50	25	71	1	0.180	1.356	0.008	0.057	0.007	0.053
50	14	50%	16%	0%	19%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	32	260	LD	25	50	25	71	1	0.175	1.459	0.007	0.061	0.007	0.056
50	15	49%	16%	0%	19%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	37	260	LD	25	50	25	72	1	0.180	1.728	0.007	0.068	0.006	0.062
50	16	49%	18%	0%	18%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	39	260	LD	25	50	24	74	1	0.182	1.847	0.007	0.069	0.006	0.064
50	17	51%	19%	0%	16%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	43	260	LD	25	50	24	76	1	0.174	1.940	0.007	0.074	0.006	0.068
50	18	50%	18%	0%	18%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	40	260	LD	25	50	23	77	1	0.180	1.870	0.007	0.071	0.006	0.065
50	19	50%	19%	0%	19%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	32	260	LD	25	50	23	78	1	0.177	1.472	0.007	0.056	0.006	0.052
50	20	50%	17%	0%	17%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	24	260	LD	25	50	23	79	1	0.180	1.120	0.007	0.045	0.007	0.041
50	21	50%	15%	0%	20%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	20	260	LD	25	50	23	80	1	0.175	0.908	0.007	0.037	0.007	0.034
50	22	50%	15%	0%	20%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	20	260	LD	25	50	23	81	1	0.174	0.904	0.007	0.037	0.007	0.034
50	23	44%	19%	0%	19%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	16	260	LD	25	50	23	81	1	0.199	0.828	0.007	0.029	0.007	0.027
51	0	12%	39%	0%	11%	5%	4%	11%	18%	0%	0%	2%	0%	0%	0%	0%	0%	57	120	LD	25	50	23	82	1	0.369	2.527	0.017	0.114	0.015	0.105
51	1	13%	39%	0%	10%	7%	3%	10%	19%	0%	0%	0%	0%	0%	0%	0%	0%	31	120	LD	25	50	22	82	1	0.378	1.406	0.016	0.058	0.014	0.054
51	2	11%	33%	0%	11%	6%	6%	11%	22%	0%	0%	0%	0%	0%	0%	0%	0%	18	120	LD	25	50	22	83	1	0.390	0.843	0.018	0.039	0.017	0.036
51	3	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	0.392	0.799	0.019	0.039	0.018	0.036
51	4	12%	29%	0%	12%	6%	6%	12%	24%	0%	0%	0%	0%	0%	0%	0%	0%	17	120	LD	25	50	22	83	1	0.392	0.799	0.019	0.039	0.018	0.036
51	5	13%	25%	0%	13%	6%	6%	13%	25%	0%	0%	0%	0%	0%	0%	0%	0%	16	120	LD	25	50	22	83	1	0.393	0.754	0.020	0.039	0.019	0.036
51	6	12%	15%	0%	12%	8%	4%	14%	27%	2%	2%	2%	2%	2%	0%	0%	0%	52	120	LD	25	50	22	83	1	0.414	2.584	0.027	0.169	0.025	0.155
51	7	12%	13%	0%	13%	7%	4%	15%	28%	1%	1%	2%	1%	1%	0%	0%	1%	91	120	LD	25	50	22	82	1	0.415	4.532	0.027	0.292	0.025	0.268
51	8	13%	6%	0%	14%	7%	5%	16%	30%	2%	1%	2%	2%	2%	0%	0%	1%	111	120	LD	24	50	23	79	1	0.425	5.667	0.030	0.401	0.028	0.369
51	9	12%	16%	0%	14%	7%	5%	14%	26%	1%	1%	2%	1%	1%	0%	0%	1%	104	120	LD	24	50	23	77	1	0.417	5.205	0.026	0.320	0.024	0.295
51	10	12%	23%	0%	12%	7%	4%	14%	23%	1%	1%	1%	1%	1%	0%	0%	1%	103	120	LD	24	50	24	74	1	0.409	5.053	0.023	0.287	0.021	0.264
51	11	12%	29%	0%	12%	6%	4%	12%	20%	1%	1%	1%	1%	1%	0%	0%	1%	103	120	LD	24	50	25	72	1	0.394	4.870	0.021	0.259	0.019	0.239
51	12	12%	34%	0%	11%	6%	3%	11%	18%	1%	1%	1%	1%	1%	0%	0%	1%	125	120	LD	24	50	25	71	1	0.389	5.830	0.019	0.286	0.018	0.263
51	13	13%	38%	0%	11%	5%	3%	10%	16%	1%	1%	1%	1%	1%	0%	0%	1%	136	120	LD	24	50	25	71	1	0.379	6.193	0.017	0.282	0.016	0.260
51	14	12%	40%	0%	10%	6%	3%	10%	14%	1%	1%	1%	1%	1%	0%	0%	1%	146	120	LD	24	50	25	71	1	0.381	6.672	0.017	0.291	0.015	0.268
51	15	12%	44%	0%	10%	6%	3%	9%	13%	1%	1%	1%	1%	1%	0%	0%	1%	171	120	LD	24	50	25	72	1	0.376	7.717	0.015	0.314	0.014	0.289
51	16	12%	46%	0%	10%	6%	3%	9%	12%	1%	1%	1%	1%	1%	0%	0%	1%	179	120	LD	24	50	24	74	1	0.378	8.127	0.014	0.311	0.013	0.287
51	17	12%	50%	0%	9%	5%	3%	8%	11%	1%	0%	1%	1%	1%	0%	0%	1%	204	120	LD	23	50	24	76	1	0.376	9.200	0.013	0.329	0.012	0.303
51	18	12%	48%	0%	9%	5%	3%	9%	11%	1%	0%	1%	1%	1%	0%	0%	1%	184	120	LD	24	50	23	77	1	0.377	8.327	0.014	0.304	0.013	0.279
51	19	12%	47%	0%	10%	5%	3%	8%	12%	1%	0%	1%	1%	1%	0%	0%	1%	148	120	LD	24	50	23	78	1	0.375	6.658	0.014	0.254	0.013	0.234
51	20	13%	46%	0%	10%	5%	3%	9%	13%	0%	0%	1%	0%	0%	0%	0%	1%	112	120	LD	24	50	23	79	1	0.371	4.986	0.014	0.185	0.013	0.170
51	21	12%	45%	0%	9%	5%	3%	9%	15%	0%	0%	1%	0%	0%	0%	0%	1%	92	120	LD	25	50	23	80	1	0.368	4.065	0.014	0.158	0.013	0.145
51	22	13%	42%	0%	9%	6%	3%	9%	16%	0%	0%	1%	0%	0%	0%	0%	1%	88	120	LD	25	50	23	81	1	0.366	3.862	0.015	0.157	0.014	0.145
51	23	11%	42%	0%	10%	6%	3%	10%	17%	0%	0%	1%	0%	0%	0%	0%	0%	71	120	LD	25	50	23	81	1	0.373	3.174	0.016	0.133	0.014	0.122
52	0	27%	19%	0%	13%	7%	4%	12%	9%	2%	2%	1%	1%	1%	0%	2%	2%	135	120	LD	24	50	23	82	1	0.362	5.862	0.019	0.305	0.017	0.281
52	1	27%	22%	0%	13%	6%	4%	10%	9%	3%	3%	0%	0%	0%	0%	3%	1%	78	120	LD	25	50	22	82	1	0.355	3.323	0.016	0.149	0.015	0.137
52	2	27%	21%	0%	12%	8%	4%	12%	10%	2%	2%	0%	0%	0%	0%	2%	2%	52	120	LD	25	50	22	83	1	0.349	2.178	0.016	0.102	0.015	0.094
52	3	26%	23%	0%	11%	6%	4%	11%	9%	2%	2%	0%	0%	0%	0%	4%	2%	53	120	LD	25	50	22	83	1	0.384	2.443	0.017	0.106	0.015	0.098
52	4	24%	24%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	51	120	LD	25	50	22	83	1	0.398	2.437	0.017	0.105	0.016	0.097
52	5	22%	24%	0%	12%	6%	4%	12%	10%	2%	2%	0%	0%	0%	0%	4%	2%	50	120	LD	25	50	22	83	1	0.406	2.435	0.017	0.104	0.016	0.096
52	6	21%	24%	0%	12%	7%	4%	13%	10%	3%	2%	1%	1%	1%	0%	3%	1%	160	120	LD	24	50	22	83	1	0.410	7.871	0.019	0.369	0.018	0.340
52	7	19%	25%	0%	12%	7%	5%	12%	10%	2%	2%	1%	0%	0%	0%	4%	1%	296	120	LD	22	50	22	82	1	0.449	15.953	0.020	0.696	0.018	0.641
52	8	19%	25%	0%	11%	7%	5%	13%	10%	3%	2%	1%	1%	1%	0%	4%	1%	379	120	LD	20	50	23	79	1	0.480	21.823	0.021	0.944	0.019	0.869
52	9	20%	24%	0%	12%	7%	5%	13%	10%	2%	2%	1%	0%	0%	0%	3%	1%	321	120	LD	21	50	23	77	1	0.453	17.445	0.020	0.768	0.018	0.706
52	10	22%	23%	0%	12%	7%	4%	12%	10%	2%	2%	1%	0%	0%	0%	3%	1%	297	120	LD	22	50	24	74	1	0.428	15.241	0.019	0.685	0.018	0.631
52	11	24%	22%	0%	12%	7%	4%	12%	9%	2%	2%	0%	0%	0%	0%	3%	1%	267	120	LD	22	50	25	72	1	0.412	13.213	0.019	0.616	0.018	0.567
52	12	25%	20%	0%	12%	7%	4%	12%	9%	2%	2%	1%	0%	0%	0%	3%	1%	296	120	LD	22	50	25	71	1	0.396	14.053	0.019	0.668	0.017	0.616
52	13	27%	19%	0%	12%	7%	4%	11%	9%	2%	2%	1%	0%	0%	0%	2%	2%	296	120	LD	22	50	25	71	1	0.382	13.559	0.018	0.656	0.017	0.604
52	14	29%	18%	0%	13%	8%	4%	11%	9%	2%	2%	1%	0%	0%	0%	2%	2%	295	120	LD	22	50	25	71	1	0.368	13.013	0.018	0.644	0.017	0.593
52	15	31%	17%	0%	13%	7%	4%	11%	9%	2%	2%	1%	0%	0%	0%	2%	2%	324	120	LD	21	50	25	72	1	0.363	14.129	0.018	0.717	0.017	0.660
52	16	32%	16%	0%	13%	7%	4%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	324	120	LD	21	50	24	74	1	0.352	13.671	0.018	0.701	0.017	0.645
52	17	34%	15%	0%	13%	8%	3%	10%	9%	2%	2%	1%	0%	0%	0%	2%	2%	350	120	LD	21	50	24	76	1	0.336	14.112	0.018	0.747	0.016	0.687
52	18	33%	15%	0%	13%	7%	3%	10%	8%	2%	2%	1%	0%	0%	0%	2%	2%	324	120	LD	21	50	23	77	1	0.352	13.689	0.018	0.700	0.017	0.644
52	19	32%	16%	0%	13%	8%	4%	10%	9%	2%	2%	0%	0%	0%	0%	2%	2%	269	120	LD	22	50	23	78	1	0.348	11.239	0.018	0.574	0.016	0.529
52	20	31%	16%	1%	13%	8%	3%	10%	9%	2%	2%	1%	1%	1%	0%	2%	2%	213	120	LD	23	50	23	79	1	0.346	8.844	0.018	0.458	0.017	0.422
52	21	30%	18%	1%	13%	8%	3%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	189	120	LD	23	50	23	80	1	0.352	7.993	0.018	0.408	0.017	0.376
52	22	29%	18%	1%	12%	8%	4%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	188	120	LD	23	50	23	81	1	0.354	7.997	0.018	0.407	0.017	0.376
52	23	27%	19%	0%	12%	7%	4%	11%	9%	2%	2%	1%	1%	1%	0%	2%	2%	164	120	LD	24	50	23	81	1	0.359	7.075	0.018	0.360	0.017	0.331