

Annex D7

Sensitivity Test of Emission Factors from AM and Peak Hour Traffic Flows

Annex D7 - Sensitivity Test of Emission Factors from AM and PM Peak Hour Traffic Flow

UFN	Road Link	Road Name	NOx E.F (g/mile-veh) (AM peak hour)	NOx E.F (g/mile-veh) (PM peak hour)	RSP E.F (g/mile-veh) (AM peak hour)	RSP E.F (g/mile-veh) (PM peak hour)
3	1	CASTLE PEAK RD - YL	2.013	1.898	0.250	0.231
2	2	CASTLE PEAK RD - YL	1.419	1.427	0.221	0.204
2	3	CASTLE PEAK RD - YL	1.419	1.427	0.221	0.204
2	4	CASTLE PEAK RD - YL	1.419	1.427	0.221	0.204
2	5	CASTLE PEAK RD - YL	1.419	1.427	0.221	0.204
1	6	CASTLE PEAK RD - YL	1.824	1.837	0.242	0.225
1	7	CASTLE PEAK RD - YL	1.824	1.837	0.242	0.225
22	8	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
22	9	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
22	10	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
22	11	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
22	12	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
22	13	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
22	14	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
22	15	Existing YL Highway Flyover	4.455	3.377	0.322	0.238
4	16	Existing YL Highway Flyover (before Slip Rd C)	3.322	3.066	0.230	0.213
4	17	Existing YL Highway Flyover (before Slip Rd C)	3.322	3.066	0.230	0.213
4	18	Existing YL Highway Flyover (before Slip Rd C)	3.322	3.066	0.230	0.213
4	19	Existing YL Highway Flyover (before Slip Rd C)	3.322	3.066	0.230	0.213
4	20	Existing YL Highway Flyover (before Slip Rd C)	3.322	3.066	0.230	0.213
4	21	Existing YL Highway Flyover (before Slip Rd C)	3.322	3.066	0.230	0.213
4	22	Existing YL Highway Flyover (before Slip Rd C)	3.322	3.066	0.230	0.213
17	23	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
17	24	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
17	25	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
17	26	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
17	27	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
17	28	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
17	29	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
17	30	YL Highway - NB (near STNV)	2.903	2.488	0.196	0.169
18	31	YL Highway (north end)	3.194	2.479	0.217	0.168
18	32	YL Highway (north end)	3.194	2.479	0.217	0.168
20	33	YL Highway (north end)	3.194	2.479	0.217	0.168
20	34	YL Highway (north end)	3.194	2.479	0.217	0.168
19	35	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	36	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	37	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	38	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	39	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	40	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	41	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	42	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	43	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
19	44	YL Highway - SB (near STNV)	3.276	2.989	0.221	0.202
23	45	Before Slip Road A	0.250	1.977	0.011	0.203
23	46	Before Slip Road A	0.250	1.977	0.011	0.203
23	47	Before Slip Road A	0.250	1.977	0.011	0.203
23	48	Before Slip Road A	0.250	1.977	0.011	0.203
23	49	Before Slip Road A	0.250	1.977	0.011	0.203
23	50	Before Slip Road A	0.250	1.977	0.011	0.203
23	51	Before Slip Road A	0.250	1.977	0.011	0.203
5	52	After Slip Road A	2.841	2.375	0.325	0.275
5	53	After Slip Road A	2.841	2.375	0.325	0.275
5	54	After Slip Road A	2.841	2.375	0.325	0.275
5	55	After Slip Road A	2.841	2.375	0.325	0.275
5	56	After Slip Road A	2.841	2.375	0.325	0.275
5	57	After Slip Road A	2.841	2.375	0.325	0.275
5	58	After Slip Road A	4.900	4.084	0.703	0.599
6	59	Before Slip Road C	2.891	2.501	0.333	0.290
6	60	Before Slip Road C	2.891	2.501	0.333	0.290

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UFN	Road Link	Road Name	NOx E.F (g/mile-veh) (AM peak hour)	NOx E.F (g/mile-veh) (PM peak hour)	RSP E.F (g/mile-veh) (AM peak hour)	RSP E.F (g/mile-veh) (PM peak hour)
6	61	Before Slip Road C	2.891	2.501	0.333	0.290
6	62	Before Slip Road C	2.891	2.501	0.333	0.290
6	63	Before Slip Road C	2.891	2.501	0.333	0.290
6	64	Before Slip Road C	2.891	2.501	0.333	0.290
6	65	Before Slip Road C	2.891	2.501	0.333	0.290
24	66	Combined Slip Road C	1.841	3.021	0.173	0.336
24	67	Combined Slip Road C	1.841	3.021	0.173	0.336
24	68	Combined Slip Road C	1.841	3.021	0.173	0.336
24	69	Combined Slip Road C	1.841	3.021	0.173	0.336
24	70	Combined Slip Road C	1.841	3.021	0.173	0.336
14	71	SLIP RD (CP RD TO ROUNDABOUT)	3.240	2.541	0.355	0.272
14	72	SLIP RD (CP RD TO ROUNDABOUT)	5.095	3.969	0.705	0.551
13	73	LIP RD (ROUNDABOUT TO POK OI & YL HIGHWA)	0.432	0.256	0.048	0.013
26	74	LIP RD (ROUNDABOUT TO POK OI & YL HIGHWA)	2.386	2.386	0.245	0.245
15	75	Slip Road near PO Hospital	6.047	6.043	0.363	0.365
15	76	Slip Road near PO Hospital	6.047	6.043	0.363	0.365
15	77	Slip Road near PO Hospital	6.047	6.043	0.363	0.365
15	78	Slip Road near PO Hospital	6.047	6.043	0.363	0.365
15	79	Slip Road near PO Hospital	6.047	6.043	0.363	0.365
15	80	Slip Road near PO Hospital	6.047	6.043	0.363	0.365
15	81	Slip Road near PO Hospital	6.047	6.043	0.363	0.365
12	82	SLIP RD (YL HIGHWAY TO ROUNDABOUT)	2.935	2.897	0.197	0.199
12	83	SLIP RD (YL HIGHWAY TO ROUNDABOUT)	3.218	3.182	0.329	0.340
25	84	SLIP RD (YL HIGHWAY TO ROUNDABOUT)	4.063	3.351	0.522	0.463
8	85	SLIP RD (ROUNDABOUT TO CP RD)	2.480	2.583	0.258	0.280
16	86	SLIP RD (CP RD TO YL HIGHWAY)	2.904	2.195	0.305	0.232
16	87	SLIP RD (CP RD TO YL HIGHWAY)	2.904	2.195	0.305	0.232
16	88	SLIP RD (CP RD TO YL HIGHWAY)	2.904	2.195	0.305	0.232
11	89	Slip Road (CP Rd to YL H)	3.058	2.101	0.324	0.228
11	90	Slip Road (CP Rd to YL H)	3.058	2.101	0.324	0.228
11	91	Slip Road (CP Rd to YL H)	3.058	2.101	0.324	0.228
11	92	Slip Road (CP Rd to YL H)	3.058	2.101	0.324	0.228
7	93	ROUNDABOUT	2.899	2.298	0.307	0.248
7	94	ROUNDABOUT	2.899	2.298	0.307	0.248
7	95	ROUNDABOUT	2.899	2.298	0.307	0.248
7	96	ROUNDABOUT	2.899	2.298	0.307	0.248
7	97	ROUNDABOUT	2.899	2.298	0.307	0.248
7	98	ROUNDABOUT	2.899	2.298	0.307	0.248
7	99	ROUNDABOUT	2.899	2.298	0.307	0.248
7	100	ROUNDABOUT	2.899	2.298	0.307	0.248
26	101	Slip Road to RA	2.386	2.668	0.245	0.258
21	102	New Left-turn Lane	4.349	4.378	0.454	0.471
21	103	New Left-turn Lane	4.349	4.378	0.454	0.471
21	104	New Left-turn Lane	4.349	4.378	0.454	0.471
21	105	New Left-turn Lane	6.381	6.551	0.845	0.900
10	106	New Slip Road C	1.654	3.163	0.145	0.349
10	107	New Slip Road C	1.654	3.163	0.145	0.349
10	108	New Slip Road C	1.654	3.163	0.145	0.349
10	109	New Slip Road C	1.654	3.163	0.145	0.349
10	110	New Slip Road C	1.654	3.163	0.145	0.349
10	111	New Slip Road C	1.654	3.163	0.145	0.349
9	112	New Flyover	2.886	1.562	0.212	0.097
9	113	New Flyover	2.886	1.562	0.212	0.097
9	114	New Flyover	2.886	1.562	0.212	0.097
9	115	New Flyover	2.886	1.562	0.212	0.097
9	116	New Flyover	2.886	1.562	0.212	0.097
9	117	New Flyover	2.886	1.562	0.212	0.097
9	118	New Flyover	2.886	1.562	0.212	0.097
9	119	New Flyover	2.886	1.562	0.212	0.097
9	120	New Flyover	2.886	1.562	0.212	0.097
9	121	New Flyover	2.886	1.562	0.212	0.097
9	122	New Flyover	2.886	1.562	0.212	0.097
9	123	New Flyover	2.886	1.562	0.212	0.097
9	124	New Flyover	2.886	1.562	0.212	0.097