

## **APPENDIX 4.8 Emission Inventory of Open Roads (Construction)**

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 1				Hour 2				Hour 3				Hour 4				
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	50	350	0.0322	0.0351	0.0296	0.0296	240	0.0298	0.0297	0.0274	170	0.0275	0.0274	0.0252	135	0.0286	0.0285	0.0262
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	50	360	0.0351	0.0351	0.0323	0.0323	250	0.0350	0.0350	0.0322	180	0.0278	0.0277	0.0255	140	0.0281	0.0280	0.0258
3	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816145.5	830696.2	0.0	816128.1	830636.4	0.0	At Grade	50	0.0	9.2	15.2	50	360	0.0351	0.0351	0.0323	0.0323	250	0.0350	0.0350	0.0322	180	0.0278	0.0277	0.0255	140	0.0281	0.0280	0.0258
4	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816128.1	830636.4	0.0	816108.7	830583.6	0.0	At Grade	43	0.0	9.2	15.2	50	360	0.0351	0.0351	0.0323	0.0323	250	0.0350	0.0350	0.0322	180	0.0278	0.0277	0.0255	140	0.0281	0.0280	0.0258
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	50	545	0.0258	0.0258	0.0237	0.0237	380	0.0287	0.0287	0.0264	255	0.0222	0.0222	0.0204	205	0.0253	0.0253	0.0232
6	1b	Tsing Lun Road	EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	50	545	0.0258	0.0258	0.0237	0.0237	380	0.0287	0.0287	0.0264	255	0.0222	0.0222	0.0204	205	0.0253	0.0253	0.0232
7	1b	Tsing Lun Road	EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	50	545	0.0258	0.0258	0.0237	0.0237	380	0.0287	0.0287	0.0264	255	0.0222	0.0222	0.0204	205	0.0253	0.0253	0.0232
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	50	325	0.0324	0.0324	0.0298	0.0298	220	0.0253	0.0253	0.0232	160	0.0249	0.0248	0.0229	120	0.0306	0.0305	0.0281
9	1b	Tsing Lun Road	WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	50	325	0.0324	0.0324	0.0298	0.0298	220	0.0253	0.0253	0.0232	160	0.0249	0.0248	0.0229	120	0.0306	0.0305	0.0281
10	1b	Tsing Lun Road	WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	50	325	0.0324	0.0324	0.0298	0.0298	220	0.0253	0.0253	0.0232	160	0.0249	0.0248	0.0229	120	0.0306	0.0305	0.0281
11	1c	Tsing Lun Road	EB	815785.2	830739.3	0.0	815823.0	830741.6	0.0	At Grade	38	0.0	12.9	18.9	50	555	0.0274	0.0274	0.0251	0.0251	380	0.0295	0.0295	0.0271	265	0.0255	0.0255	0.0234	205	0.0269	0.0269	0.0247
12	1c	Tsing Lun Road	EB	815823.0	830741.6	0.0	815870.6	830721.4	0.0	At Grade	52	0.0	10.5	16.5	50	555	0.0274	0.0274	0.0251	0.0251	380	0.0295	0.0295	0.0271	265	0.0255	0.0255	0.0234	205	0.0269	0.0269	0.0247
13	1c	Tsing Lun Road	WB	815870.6	830721.4	0.0	815837.0	830724.7	0.0	At Grade	49	0.0	8.4	14.4	50	325	0.0324	0.0324	0.0298	0.0298	220	0.0253	0.0253	0.0232	160	0.0249	0.0248	0.0229	120	0.0306	0.0305	0.0281
14	1c	Tsing Lun Road	WB	815837.0	830724.7	0.0	815817.6	830723.9	0.0	At Grade	19	0.0	8.4	14.4	50	325	0.0324	0.0324	0.0298	0.0298	220	0.0253	0.0253	0.0232	160	0.0249	0.0248	0.0229	120	0.0306	0.0305	0.0281
15	1c	Tsing Lun Road	WB	815817.6	830723.9	0.0	815794.0	830726.9	0.0	At Grade	24	0.0	8.4	14.4	50	325	0.0324	0.0324	0.0298	0.0298	220	0.0253	0.0253	0.0232	160	0.0249	0.0248	0.0229	120	0.0306	0.0305	0.0281
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	50	265	0.0339	0.0339	0.0312	0.0312	190	0.0315	0.0314	0.0289	135	0.0286	0.0285	0.0262	100	0.0293	0.0292	0.0270
17	1d	Tsing Lun Road	NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	50	265	0.0339	0.0339	0.0312	0.0312	190	0.0315	0.0314	0.0289	135	0.0286	0.0285	0.0262	100	0.0293	0.0292	0.0270
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	50	245	0.0362	0.0362	0.0332	0.0332	170	0.0275	0.0274	0.0252	125	0.0305	0.0304	0.0280	90	0.0307	0.0306	0.0283
19	1d	Tsing Lun Road	SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	50	245	0.0362	0.0362	0.0332	0.0332	170	0.0275	0.0274	0.0252	125	0.0305	0.0304	0.0280	90	0.0307	0.0306	0.0283
20	1d	Tsing Lun Road	SB	815724.7	830648.0	0.0	815708.1	830595.1	0.0	At Grade	55	8.0	6.5	9.5	50	245	0.0362	0.0362	0.0332	0.0332	170	0.0275	0.0274	0.0252	125	0.0305	0.0304	0.0280	90	0.0307	0.0306	0.0283
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	50	235	0.0346	0.0346	0.0318	0.0318	165	0.0243	0.0242	0.0223	125	0.0305	0.0304	0.0280	85	0.0317	0.0316	0.0291
22	1e	Tsing Lun Road	NB	815667.2	830496.8	5.7	815671.1	830536.5	5.7	Fill	39	5.7	6.3	9.3	50	235	0.0346	0.0346	0.0318	0.0318	165	0.0243	0.0242	0.0223	125	0.0305	0.0304	0.0280	85	0.0317	0.0316	0.0291
23	1e	Tsing Lun Road	NB	815671.1	830536.5	5.1	815673.5	830548.7	5.1	Fill	12	5.1	6.3	9.3	50	235	0.0346	0.0346	0.0318	0.0318	165	0.0243	0.0242	0.0223	125	0.0305	0.0304	0.0280	85	0.0317	0.0316	0.0291
24	1e	Tsing Lun Road	NB	815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	235	0.0346	0.0346	0.0318	0.0318	165	0.0243	0.0242	0.0223	125	0.0305	0.0304	0.0280	85	0.0317	0.0316	0.0291
25	1e	Tsing Lun Road	NB	815677.5	830560.8	5.1	815700.7	830598.3	0.0	At Grade	18	0.0	6.3	12.3	50	235	0.0346	0.0346	0.0318	0.0318	165	0.0243	0.0242	0.0223	125	0.0305	0.0304	0.0280	85	0.0317	0.0316	0.0291
26	1e	Tsing Lun Road	SB	815700.7	830595.1	0.0	815702.8	830591.1	0.0	At Grade	17	0.0	6.2	12.2	50	225	0.0248	0.0248	0.0228	0.0228	160	0.0249	0.0248	0.0229	115	0.0316	0.0315	0.0290	90	0.0307	0.0306	0.0283
27	1e	Tsing Lun Road	SB	815702.8	830591.1	0.0	815677.5	830548.7	5.1	Fill	13	5.1	6.2	9.2	50	225	0.0248	0.0248	0.0228	0.0228	160	0.0249	0.0248	0.0229	115	0.0316	0.0315	0.0290	90	0.0307	0.0306	0.0283
28	1e	Tsing Lun Road	SB	815677.5	830548.7	5.1	815673.5	830536.5	5.1	Fill	12	5.1	6.2	9.2	50	225	0.0248	0.0248	0.0228	0.0228	160	0.0249	0.0248	0.0229	115	0.0316	0.0315	0.0290	90	0.0307	0.0306	0.0283
29	1e	Tsing Lun Road	SB	815673.5	830536.5	5.7	815675.0	830496.8	5.7	Fill	39	5.7	6.2	9.2	50	225	0.0248	0.0248	0.0228	0.0228	160	0.0249	0.0248	0.0229	115	0.0316	0.0315	0.0290	90	0.0307	0.0306	0.0283
30	1e	Tsing Lun Road	SB	815675.0	830496.8	5.7	815677.5	830481.9	0.0	At Grade	34	0.0	6.2	12.2	50	225	0.0248	0.0248	0.0228	0.0228	160	0.0249	0.0248	0.0229	115	0.0316	0.0315	0.0290	90	0.0307	0.0306	0.0283
31	1f	Tsing Lun Road	NB	815631.9	830282.5	0.0	815627.7	830301.3	0.0	At Grade	39	0.0	3.9	9.9	50	120	0.0462	0.0462	0.0425	0.0425	85	0.0417	0.0416	0.0383	55	0.0457	0.0456	0.0420	40	0.0521	0.0520	0.0479
32	1f	Tsing Lun Road	NB	815627.7	830301.3	0.0	815631.9	830328.2	0.0	At Grade	27	0.0	3.8	9.8	50	120	0.0462	0.0462	0.0425	0.0425	85	0.0417	0.0416	0.0383	55	0.0457	0.0456	0.0420	40	0.0521	0.0520	0.0479
33	1f	Tsing Lun Road	NB	815631.9	830328.2	0.0	815643.3	830372.6	0.0	At Grade	46	0.0	3.9	9.9	50	120	0.0462	0.0462	0.0425	0.0425	85											

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 1				Hour 2				Hour 3				Hour 4				
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
103	5c_EB	Hong Po Road	EB	814970.4	831091.1	0.0	815038.9	831126.3	0.0	At Grade	77	0.0	3.1	9.1	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
104	5c_EB			815038.9	831126.3	0.0	815066.3	831136.7	0.0	At Grade	29	0.0	3.1	9.1	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
105	5c_EB			815066.3	831136.7	0.0	815096.0	831135.3	0.0	At Grade	30	0.0	3.1	9.1	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
106	5c_EB			815096.0	831135.3	0.0	815116.5	831127.3	0.0	At Grade	22	0.0	3.0	9.0	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
107	5c_EB			815116.5	831127.3	0.0	815133.4	831113.7	0.0	At Grade	22	0.0	3.0	9.0	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
108	5c_EB			815133.4	831113.7	0.0	815166.0	831060.3	0.0	At Grade	63	0.0	3.1	9.1	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
109	5c_EB			815166.0	831060.3	0.0	815187.5	831039.1	0.0	At Grade	30	0.0	3.0	9.0	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
110	5c_EB			815187.5	831039.1	0.0	815217.0	830993.7	0.0	At Grade	95	0.0	3.1	9.1	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
111	5c_EB			815217.0	830993.7	0.0	815287.6	830988.7	0.0	At Grade	17	0.0	3.0	9.0	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
112	5c_EB			815287.6	830988.7	0.0	815306.1	830989.3	0.0	At Grade	19	0.0	3.0	9.0	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
113	5c_EB			815306.1	830989.3	0.0	815343.8	830995.5	0.0	At Grade	38	0.0	2.0	8.0	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
114	5c_EB			815343.8	830995.5	0.0	815374.6	831005.0	0.0	At Grade	32	0.0	2.5	8.5	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
115	5c_EB			815374.6	831005.0	0.0	815407.0	831024.0	0.0	At Grade	37	0.0	3.1	9.1	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
116	5c_EB			815407.0	831024.0	0.0	815447.3	831029.0	0.0	At Grade	38	0.0	3.0	9.0	50	60	0.0204	0.0204	0.0187	0.0204	0.0206	0.0205	0.0189	30	0.0263	0.0263	0.0262	0.0242	20	0.0205	0.0204	0.0203
117	5c_WB			815447.3	831029.0	0.0	815479.9	831021.5	0.0	At Grade	37	0.0	3.0	9.0	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	
118	5c_WB			815479.9	831021.5	0.0	815375.4	831002.6	0.0	At Grade	38	0.0	3.1	9.1	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	
119	5c_WB			815375.4	831002.6	0.0	815344.4	830992.9	0.0	At Grade	32	0.0	2.6	8.6	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	
120	5c_WB			815344.4	830992.9	0.0	815306.3	830986.7	0.0	At Grade	39	0.0	2.0	8.0	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	
121	5c_WB			815306.3	830986.7	0.0	815287.2	830986.1	0.0	At Grade	19	0.0	3.0	9.0	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	
122	5c_WB	815287.2	830986.1	0.0	815270.0	830991.3	0.0	At Grade	18	0.0	3.0	9.0	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
123	5c_WB	815270.0	830991.3	0.0	815185.9	831036.6	0.0	At Grade	95	0.0	3.1	9.1	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
124	5c_WB	815185.9	831036.6	0.0	815163.4	831058.6	0.0	At Grade	32	0.0	3.0	9.0	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
125	5c_WB	815163.4	831058.6	0.0	815131.4	831112.0	0.0	At Grade	62	0.0	3.1	9.1	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
126	5c_WB	815131.4	831112.0	0.0	815115.1	831125.0	0.0	At Grade	21	0.0	3.0	9.0	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
127	5c_WB	815115.1	831125.0	0.0	815095.4	831132.7	0.0	At Grade	21	0.0	3.0	9.0	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
128	5c_WB	815095.4	831132.7	0.0	815066.8	831134.1	0.0	At Grade	29	0.0	3.1	9.1	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
129	5c_WB	815066.8	831134.1	0.0	815039.9	831123.9	0.0	At Grade	29	0.0	3.1	9.1	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
130	5c_WB	815039.9	831123.9	0.0	814971.6	831087.8	0.0	At Grade	29	0.0	3.1	9.1	50	15	0.0023	0.0021	0.0020	0.0020	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031			
131	5e_NB	Hing Kwai Street	NB	814806.2	830307.2	0.0	814813.4	830383.7	0.0	At Grade	77	0.0	8.0	14.0	50	55	0.0201	0.0200	0.0184	0.0201	0.0230	0.0229	0.0212	30	0.0263	0.0262	0.0242	15	0.0023	0.0021	0.0020	
132	5e_NB			814813.4	830383.7	0.0	814808.7	830481.2	0.0	At Grade	98	0.0	8.0	14.0	50	55	0.0201	0.0200	0.0184	0.0201	0.0230	0.0229	0.0212	30	0.0263	0.0262	0.0242	15	0.0023	0.0021	0.0020	
133	5e_SB			814813.4	830481.2	0.0	814815.1	830483.2	0.0	At Grade	79	0.0	8.1	14.1	50	35	0.0230	0.0229	0.0212	0.0212	0.0025	0.0024	0.0023	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	
134	5e_SB			814815.1	830483.2	0.0	814824.5	830405.3	0.0	At Grade	101	0.0	8.1	14.1	50	35	0.0230	0.0229	0.0212	0.0212	0.0025	0.0024	0.0023	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	
135	5f_NB	Hing Kwai Street	NB	814759.8	830215.9	0.0	814784.3	830252.9	0.0	At Grade	44	0.0	4.5	10.5	50	70	0.0208	0.0207	0.0191	0.0208	0.0183	0.0182	0.0168	35	0.0230	0.0229	0.0212	25	0.0051	0.0050	0.0046	
136	5f_NB			814784.3	830252.9	0.0	814806.2	830307.2	0.0	At Grade	58	0.0	4.1	10.1	50	70	0.0208	0.0207	0.0191	0.0208	0.0183	0.0182	0.0168	35	0.0230	0.0229	0.0212	25	0.0051	0.0050	0.0046	
137	5f_SB			814806.2	830307.2	0.0	814820.0	830406.6	0.0	At Grade	22	0.0	4.2	10.2	50	75	0.0197	0.0195														

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 1				Hour 2				Hour 3				Hour 4			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
219	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	16.2	70	1290	0.0239	0.0238	0.0219	890	0.0240	0.0239	0.0220	635	0.0238	0.0237	0.0219	490	0.0253	0.0252	0.0232
220	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	70	1290	0.0239	0.0238	0.0219	890	0.0240	0.0239	0.0220	635	0.0238	0.0237	0.0219	490	0.0253	0.0252	0.0232
221	9a_SB	Tuen Mun Road	SB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	70	1390	0.0255	0.0254	0.0234	960	0.0267	0.0266	0.0245	675	0.0253	0.0252	0.0232	525	0.0262	0.0261	0.0240
222	9a_SB	Tuen Mun Road	SB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	70	1390	0.0255	0.0254	0.0234	960	0.0267	0.0266	0.0245	675	0.0253	0.0252	0.0232	525	0.0262	0.0261	0.0240
223	9a_SB	Tuen Mun Road	SB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	70	1390	0.0255	0.0254	0.0234	960	0.0267	0.0266	0.0245	675	0.0253	0.0252	0.0232	525	0.0262	0.0261	0.0240
224	9a_SB	Tuen Mun Road	SB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	70	1390	0.0255	0.0254	0.0234	960	0.0267	0.0266	0.0245	675	0.0253	0.0252	0.0232	525	0.0262	0.0261	0.0240
225	9a_SB	Tuen Mun Road	SB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	70	1390	0.0255	0.0254	0.0234	960	0.0267	0.0266	0.0245	675	0.0253	0.0252	0.0232	525	0.0262	0.0261	0.0240
226	9a_SB	Tuen Mun Road	SB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	70	1390	0.0255	0.0254	0.0234	960	0.0267	0.0266	0.0245	675	0.0253	0.0252	0.0232	525	0.0262	0.0261	0.0240
227	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
228	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
229	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
230	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830830.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
231	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
232	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
233	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	70	280	0.0273	0.0272	0.0250	190	0.0242	0.0241	0.0222	140	0.0249	0.0248	0.0222	100	0.0225	0.0224	0.0206
237	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	50	230	0.0215	0.0214	0.0197	155	0.0163	0.0161	0.0149	120	0.0148	0.0147	0.0135	80	0.0146	0.0145	0.0134
238	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	50	230	0.0215	0.0214	0.0197	155	0.0163	0.0161	0.0149	120	0.0148	0.0147	0.0135	80	0.0146	0.0145	0.0134
239	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	50	230	0.0215	0.0214	0.0197	155	0.0163	0.0161	0.0149	120	0.0148	0.0147	0.0135	80	0.0146	0.0145	0.0134
240	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	50	230	0.0215	0.0214	0.0197	155	0.0163	0.0161	0.0149	120	0.0148	0.0147	0.0135	80	0.0146	0.0145	0.0134
241	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	50	230	0.0215	0.0214	0.0197	155	0.0163	0.0161	0.0149	120	0.0148	0.0147	0.0135	80	0.0146	0.0145	0.0134
242	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816006.2	830516.9	0.0	At Grade	115	0.0	8.9	14.9	50	100	0.0171	0.0170	0.0157	60	0.0146	0.0144	0.0134	45	0.0183	0.0182	0.0168	35	0.0230	0.0229	0.0212
243	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830611.0	0.0	816072.8	830662.9	0.0	At Grade	52	0.0	10.2	16.2	50	100	0.0171	0.0170	0.0157	60	0.0146	0.0144	0.0134	45	0.0183	0.0182	0.0168	35	0.0230	0.0229	0.0212
244	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	70	310	0.0329	0.0329	0.0303	215	0.0285	0.0284	0.0262	150	0.0285	0.0284	0.0262	110	0.0282	0.0281	0.0259
245	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	70	310	0.0329	0.0329	0.0303	215	0.0285	0.0284	0.0262	150	0.0285	0.0284	0.0262	110	0.0282	0.0281	0.0259
246	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	70	310	0.0329	0.0329	0.0303	215	0.0285	0.0284	0.0262	150	0.0285	0.0284	0.0262	110	0.0282	0.0281	0.0259
247	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	70	310	0.0329	0.0329	0.0303	215	0.0285	0.0284	0.0262	150	0.0285	0.0284	0.0262	110	0.0282	0.0281	0.0259
248	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830748.8	3.2	Fill	81	4.9	4.4	10.4	70	310	0.0329	0.0329	0.0303	215	0.0285	0.0284	0.0262	150	0.0285	0.0284	0.0262	110	0.0282	0.0281	0.0259
249	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830748.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	70	310	0.0329	0.0329	0.0303	215	0.0285	0.0284	0.0262	150	0.0285	0.0284	0.0262	110	0.0282	0.0281	0.0259
250	9f_NB	Castle Peak Road - Lam Tei	SB	816182.2	83093.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	70	455	0.0330	0.0330	0.0303	305	0.0261	0.0260	0.0240	220	0.0276	0.0275	0.0253	170	0.0285	0.0284	0.0261
251	9f_NB	Castle Peak Road - Lam Tei	SB	816253.9	831045.3	0.0	816284.0	831104.9	0.0	At Grade	67	0.0	7.9	13.9	70	455	0.0330	0.0330	0.0303	305	0.0261	0.0260	0.0240								

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 1				Hour 2				Hour 3				Hour 4							
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)				
324	28_NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
325	28_NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830260.7	0.0	At Grade	15	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
326	28_NB	Tuen Fu Road	NB	816022.9	830260.7	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
327	28_NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
328	28_NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
329	28_NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
330	28_NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
331	28_NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
332	28_NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.0	830300.9	0.0	At Grade	52	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
333	28_SB	Tuen Fu Road	SB	816234.0	830298.6	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
334	28_SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
335	28_SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
336	28_SB	Tuen Fu Road	SB	816113.0	830248.8	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	10.3	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
337	28_SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
338	28_SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
339	28_SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
340	28_SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
341	29_EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	50	85	0.0285	0.0283	0.0261	55	0.0378	0.0375	0.0346	40	0.0415	0.0412	0.0380	30	0.0523	0.0519	0.0479	0.0479			
342	29_EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	50	85	0.0285	0.0283	0.0261	55	0.0378	0.0375	0.0346	40	0.0415	0.0412	0.0380	30	0.0523	0.0519	0.0479	0.0479			
343	29_WB	Tuen Kwai Road	WB	816339.7	830295.1	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	50	90	0.0353	0.0352	0.0324	55	0.0378	0.0375	0.0346	40	0.0452	0.0449	0.0414	30	0.0523	0.0519	0.0479	0.0479			
344	29_WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	50	90	0.0353	0.0352	0.0324	55	0.0378	0.0375	0.0346	40	0.0452	0.0449	0.0414	30	0.0523	0.0519	0.0479	0.0479			
345	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
346	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
347	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
348	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
349	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
350	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
351	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
352	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
353	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
354	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815856.2	831283.8	0.0	815905.6	831261.5	0.0	At Grade	54	0.0	4.2	10.2	50	0	0.0000	0.0000	0.0000	0	0.00														

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Traffic Flows (VPH)	Hour 1			Hour 2			Hour 3			Hour 4					
																	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
430	40_NB	San Hing Road	NB	815833.6	830968.1	0.0	815852.9	831032.2	0.0	At Grade	67	0.0	2.3	8.3	50	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
431	40_NB			815852.9	831032.2	0.0	815859.5	831062.9	0.0	At Grade	31	0.0	2.4	8.4	50	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
432	40_NB			815859.5	831062.9	0.0	815869.0	831084.9	0.0	At Grade	24	0.0	2.4	8.4	50	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
433	40_NB			815869.0	831062.9	0.0	815882.1	831106.2	0.0	At Grade	25	0.0	2.1	8.1	50	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
434	40_NB			815882.1	831106.2	0.0	815901.6	831126.6	0.0	At Grade	28	0.0	3.6	9.6	50	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
435	40_SB	San Hing Road	SB	815902.5	831122.2	0.0	815884.0	831103.6	0.0	At Grade	26	0.0	4.1	10.1	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
436	40_SB			815884.0	831103.6	0.0	815870.5	831081.2	0.0	At Grade	26	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
437	40_SB			815870.5	831081.2	0.0	815862.8	831062.2	0.0	At Grade	21	0.0	3.5	9.5	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
438	40_SB			815862.8	831062.2	0.0	815855.6	831032.4	0.0	At Grade	31	0.0	3.4	9.4	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
439	40_SB			815855.6	831032.4	0.0	815837.5	830966.5	0.0	At Grade	68	0.0	3.8	9.8	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
440	41_NB	Slip road to Yuen Long Highway	NB	816186.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	80	260	0.0307	0.0306	0.0282	180	0.0253	0.0252	0.0232	135	0.0278	0.0277	0.0255	95	0.0282	0.0281	0.0259
441	41_NB			816203.3	830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	80	260	0.0307	0.0306	0.0282	180	0.0253	0.0252	0.0232	135	0.0278	0.0277	0.0255	95	0.0282	0.0281	0.0259
442	41_NB			816230.4	830710.4	7.3	816254.4	830710.1	7.3	Fill	24	7.3	6.7	9.7	80	260	0.0307	0.0306	0.0282	180	0.0253	0.0252	0.0232	135	0.0278	0.0277	0.0255	95	0.0282	0.0281	0.0259
443	41_NB			816254.4	830710.1	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	80	260	0.0307	0.0306	0.0282	180	0.0253	0.0252	0.0232	135	0.0278	0.0277	0.0255	95	0.0282	0.0281	0.0259
444	41_NB			816295.3	830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	80	260	0.0307	0.0306	0.0282	180	0.0253	0.0252	0.0232	135	0.0278	0.0277	0.0255	95	0.0282	0.0281	0.0259
445	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	80	260	0.0307	0.0306	0.0282	180	0.0253	0.0252	0.0232	135	0.0278	0.0277	0.0255	95	0.0282	0.0281	0.0259		
446	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
447	42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
448	42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
449	42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
450	42_SB			Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034
451	42_SB	815490.6	830511.1			0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
452	42_SB	815426.2	830477.1			0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
453	42_SB	815386.5	830438.9			0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	50	25	0.0309	0.0308	0.0284	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
454	89_EB	San Fuk Road	EB			814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	50	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034
455	89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	50	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
456	89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	50	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
457	89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	50	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
458	89_WB			San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000
459	89_WB	814894.4	829990.9			0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
460	89_WB	814835.5	830030.6			0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
461	89_WB	814821.5	830033.1			0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
462	91_NB	Tsing Lun Road	NB			815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	50	120	0.0428	0.0427	0.0393	85	0.0417	0.0416	0.0383	55	0.0457	0.0456	0.0420	40	0.0521
463	91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	50	120	0.0428	0.0427	0.0393	85	0.0417	0.0416	0.0383	55	0.0457	0.0456	0.0420	40	0.0521	0.0520	0.0479
464	91_SB			815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	50	160	0.0271	0.0271	0.0249	115	0.0358	0.0358	0.0329	75	0.0342	0.0341	0.0314	55	0.0385	0.0384	0.0354
465	91_SB			815656.9	830445.0	8.0	815645.1	830376.0	8.0																						

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 5				Hour 6				Hour 7				Hour 8			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	50	145	0.0273	0.0272	0.0250	200	0.0253	0.0252	0.0239	540	0.0329	0.0329	0.0322	1190	0.0324	0.0324	0.0298
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	50	150	0.0308	0.0307	0.0282	210	0.0300	0.0300	0.0276	565	0.0350	0.0350	0.0322	1235	0.0388	0.0387	0.0356
3	1a		SB	816145.5	830696.2	0.0	816128.1	830636.4	0.0	At Grade	50	0.0	9.2	15.2	50	150	0.0308	0.0307	0.0282	210	0.0300	0.0300	0.0276	565	0.0350	0.0350	0.0322	1235	0.0388	0.0387	0.0356
4	1a		SB	816128.1	830696.2	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	50	150	0.0308	0.0307	0.0282	210	0.0300	0.0300	0.0276	565	0.0350	0.0350	0.0322	1235	0.0388	0.0387	0.0356
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	50	210	0.0248	0.0248	0.0227	325	0.0264	0.0264	0.0243	845	0.0260	0.0260	0.0239	1830	0.0354	0.0353	0.0325
6	1b		EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	50	210	0.0248	0.0248	0.0227	325	0.0264	0.0264	0.0243	845	0.0260	0.0260	0.0239	1830	0.0354	0.0353	0.0325
7	1b		EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	50	210	0.0248	0.0248	0.0227	325	0.0264	0.0264	0.0243	845	0.0260	0.0260	0.0239	1830	0.0354	0.0353	0.0325
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	50	125	0.0295	0.0294	0.0271	190	0.0248	0.0247	0.0228	510	0.0298	0.0298	0.0274	1095	0.0346	0.0346	0.0317
9	1b		WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	50	125	0.0295	0.0294	0.0271	190	0.0248	0.0247	0.0228	510	0.0298	0.0298	0.0274	1095	0.0346	0.0346	0.0317
10	1b		WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	50	125	0.0295	0.0294	0.0271	190	0.0248	0.0247	0.0228	510	0.0298	0.0298	0.0274	1095	0.0346	0.0346	0.0317
11	1c	Tsing Lun Road	EB	815785.2	830739.3	0.0	815823.0	830741.6	0.0	At Grade	38	0.0	12.9	18.9	50	220	0.0253	0.0253	0.0232	335	0.0289	0.0289	0.0265	865	0.0275	0.0274	0.0252	1875	0.0469	0.0468	0.0430
12	1c		EB	815823.0	830741.6	0.0	815870.6	830721.4	0.0	At Grade	52	0.0	10.5	16.5	50	220	0.0253	0.0253	0.0232	335	0.0289	0.0289	0.0265	865	0.0275	0.0274	0.0252	1875	0.0469	0.0468	0.0430
13	1c	Tsing Lun Road	WB	815883.6	830709.1	0.0	815837.0	830724.7	0.0	At Grade	49	0.0	8.4	14.4	50	125	0.0295	0.0294	0.0271	190	0.0248	0.0247	0.0228	510	0.0298	0.0298	0.0274	1095	0.0346	0.0346	0.0317
14	1c		WB	815837.0	830724.7	0.0	815817.6	830723.9	0.0	At Grade	19	0.0	8.4	14.4	50	125	0.0295	0.0294	0.0271	190	0.0248	0.0247	0.0228	510	0.0298	0.0298	0.0274	1095	0.0346	0.0346	0.0317
15	1c		WB	815817.6	830723.9	0.0	815794.0	830726.9	0.0	At Grade	24	0.0	8.4	14.4	50	125	0.0295	0.0294	0.0271	190	0.0248	0.0247	0.0228	510	0.0298	0.0298	0.0274	1095	0.0346	0.0346	0.0317
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	50	110	0.0328	0.0328	0.0302	160	0.0249	0.0248	0.0229	425	0.0345	0.0345	0.0317	930	0.0386	0.0385	0.0354
17	1d		NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	50	110	0.0328	0.0328	0.0302	160	0.0249	0.0248	0.0229	425	0.0345	0.0345	0.0317	930	0.0386	0.0385	0.0354
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	50	95	0.0293	0.0292	0.0269	150	0.0265	0.0264	0.0243	390	0.0337	0.0337	0.0309	840	0.0342	0.0342	0.0315
19	1d		SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	50	95	0.0293	0.0292	0.0269	150	0.0265	0.0264	0.0243	390	0.0337	0.0337	0.0309	840	0.0342	0.0342	0.0315
20	1d		SB	815724.7	830648.0	0.0	815708.1	830595.1	0.0	Fill	55	8.0	6.5	9.5	50	95	0.0293	0.0292	0.0269	150	0.0265	0.0264	0.0243	390	0.0337	0.0337	0.0309	840	0.0342	0.0342	0.0315
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	50	95	0.0293	0.0292	0.0269	140	0.0277	0.0276	0.0254	375	0.0328	0.0328	0.0302	825	0.0331	0.0331	0.0304
22	1e		NB	815667.2	830496.8	5.7	815671.1	830535.2	5.7	Fill	39	5.7	6.3	9.3	50	95	0.0293	0.0292	0.0269	140	0.0277	0.0276	0.0254	375	0.0328	0.0328	0.0302	825	0.0331	0.0331	0.0304
23	1e		NB	815671.1	830535.2	5.7	815673.5	830548.7	5.7	Fill	12	5.1	6.3	9.3	50	95	0.0293	0.0292	0.0269	140	0.0277	0.0276	0.0254	375	0.0328	0.0328	0.0302	825	0.0331	0.0331	0.0304
24	1e		NB	815673.5	830548.7	5.7	815677.5	830560.8	5.7	Fill	13	5.1	6.3	9.3	50	95	0.0293	0.0292	0.0269	140	0.0277	0.0276	0.0254	375	0.0328	0.0328	0.0302	825	0.0331	0.0331	0.0304
25	1e		NB	815677.5	830560.8	5.7	815708.1	830595.1	5.7	Fill	18	0.0	6.3	12.3	50	95	0.0293	0.0292	0.0269	140	0.0277	0.0276	0.0254	375	0.0328	0.0328	0.0302	825	0.0331	0.0331	0.0304
26	1e	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	50	90	0.0307	0.0306	0.0283	145	0.0273	0.0272	0.0250	355	0.0271	0.0271	0.0249	800	0.0308	0.0307	0.0283
27	1e		SB	815702.8	830579.1	0.0	815677.5	830548.7	0.0	Fill	13	5.1	6.2	9.2	50	90	0.0307	0.0306	0.0283	145	0.0273	0.0272	0.0250	355	0.0271	0.0271	0.0249	800	0.0308	0.0307	0.0283
28	1e		SB	815677.5	830548.7	5.7	815673.5	830535.2	5.7	Fill	12	5.1	6.2	9.2	50	90	0.0307	0.0306	0.0283	145	0.0273	0.0272	0.0250	355	0.0271	0.0271	0.0249	800	0.0308	0.0307	0.0283
29	1e		SB	815673.5	830535.2	5.7	815667.2	830496.8	5.7	Fill	39	5.7	6.2	9.2	50	90	0.0307	0.0306	0.0283	145	0.0273	0.0272	0.0250	355	0.0271	0.0271	0.0249	800	0.0308	0.0307	0.0283
30	1e		SB	815667.2	830496.8	5.7	815662.6	830481.9	5.7	Fill	34	0.0	6.2	12.2	50	90	0.0307	0.0306	0.0283	145	0.0273	0.0272	0.0250	355	0.0271	0.0271	0.0249	800	0.0308	0.0307	0.0283
31	1f	Tsing Lun Road	NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	46	0.0	3.9	9.9	50	40	0.0521	0.0520	0.0479	75	0.0382	0.0381	0.0351	180	0.0498	0.0498	0.0458	410	0.0485	0.0484	0.0445
32	1f		NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	27	0.0	3.8	9.8	50	40	0.0521	0.0520	0.0479	75	0.0382	0.0381	0.0351	180	0.0498	0.0498	0.0458	410	0.0485	0.0484	0.0445
33	1f		NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	46	0.0	3.9	9.9	50	40	0.0521	0.0520	0.0479	75	0.0382	0.0381	0.0351	180	0.0498	0.0498	0.0458	410	0.0485	0.0484	0.0445
34	1f	Tsing Lun Road	SB	815647.1	830375.3	0.0	815635.1	830327.4	0.0	At Grade	49	0.0	3.5	9.5	50	55	0.0385	0.0384	0.0354	100	0.0310	0.0309	0.0285	250	0.0314	0.0314	0.0288	550	0.0398	0.0397	0.0365
35	1f																														

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 5				Hour 6				Hour 7				Hour 8				
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
103	5c	EB	Hong Po Road	EB	814970.4	831091.1	0.0	815038.9	831126.3	0.0	At Grade	77	0.0	3.1	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
104	5c	EB	Hong Po Road	EB	815038.9	831126.3	0.0	815066.3	831136.7	0.0	At Grade	29	0.0	3.1	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
105	5c	EB	Hong Po Road	EB	815066.3	831136.7	0.0	815096.0	831137.3	0.0	At Grade	30	0.0	3.1	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
106	5c	EB	Hong Po Road	EB	815096.0	831136.7	0.0	815116.5	831127.3	0.0	At Grade	22	0.0	3.0	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
107	5c	EB	Hong Po Road	EB	815116.5	831127.3	0.0	815133.4	831113.7	0.0	At Grade	22	0.0	3.0	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
108	5c	EB	Hong Po Road	EB	815133.4	831113.7	0.0	815166.0	831060.3	0.0	At Grade	63	0.0	3.1	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
109	5c	EB	Hong Po Road	EB	815166.0	831060.3	0.0	815187.5	831039.1	0.0	At Grade	30	0.0	3.0	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
110	5c	EB	Hong Po Road	EB	815187.5	831039.1	0.0	815217.0	830993.7	0.0	At Grade	95	0.0	3.1	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
111	5c	EB	Hong Po Road	EB	815217.0	830993.7	0.0	815287.6	830988.7	0.0	At Grade	17	0.0	3.0	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
112	5c	EB	Hong Po Road	EB	815287.6	830988.7	0.0	815306.1	830983.3	0.0	At Grade	19	0.0	3.0	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
113	5c	EB	Hong Po Road	EB	815306.1	830983.3	0.0	815343.8	830995.5	0.0	At Grade	38	0.0	2.0	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
114	5c	EB	Hong Po Road	EB	815343.8	830995.5	0.0	815374.6	831005.5	0.0	At Grade	32	0.0	2.5	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
115	5c	EB	Hong Po Road	EB	815374.6	831005.5	0.0	815407.0	831024.0	0.0	At Grade	37	0.0	3.1	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
116	5c	EB	Hong Po Road	EB	815407.0	831024.0	0.0	815444.3	831029.0	0.0	At Grade	38	0.0	3.0	50	20	0.0025	0.0024	0.0023	35	0.0230	0.0229	0.0212	95	0.0222	0.0222	0.0204	215	0.0254	0.0253	0.0232	
117	5c	WB	Hong Po Road	WB	815444.3	831029.0	0.0	815407.9	831021.5	0.0	At Grade	37	0.0	3.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
118	5c	WB	Hong Po Road	WB	815407.9	831021.5	0.0	815375.4	831002.6	0.0	At Grade	38	0.0	3.1	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
119	5c	WB	Hong Po Road	WB	815375.4	831002.6	0.0	815344.4	830992.9	0.0	At Grade	32	0.0	2.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
120	5c	WB	Hong Po Road	WB	815344.4	830992.9	0.0	815306.3	830986.7	0.0	At Grade	39	0.0	2.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
121	5c	WB	Hong Po Road	WB	815306.3	830986.7	0.0	815287.2	830986.1	0.0	At Grade	19	0.0	3.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
122	5c	WB	Hong Po Road	WB	815287.2	830986.1	0.0	815270.0	830991.3	0.0	At Grade	18	0.0	3.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
123	5c	WB	Hong Po Road	WB	815270.0	830991.3	0.0	815185.9	831036.6	0.0	At Grade	95	0.0	3.1	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
124	5c	WB	Hong Po Road	WB	815185.9	831036.6	0.0	815163.4	831058.6	0.0	At Grade	32	0.0	3.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
125	5c	WB	Hong Po Road	WB	815163.4	831058.6	0.0	815131.4	831120.0	0.0	At Grade	62	0.0	3.1	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
126	5c	WB	Hong Po Road	WB	815131.4	831120.0	0.0	815115.1	831125.0	0.0	At Grade	21	0.0	3.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
127	5c	WB	Hong Po Road	WB	815115.1	831125.0	0.0	815095.4	831132.7	0.0	At Grade	21	0.0	3.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
128	5c	WB	Hong Po Road	WB	815095.4	831132.7	0.0	815066.8	831134.1	0.0	At Grade	29	0.0	3.1	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
129	5c	WB	Hong Po Road	WB	815066.8	831134.1	0.0	815039.9	831123.9	0.0	At Grade	29	0.0	3.1	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
130	5c	WB	Hong Po Road	WB	815039.9	831123.9	0.0	814971.6	831087.8	0.0	At Grade	77	0.0	3.1	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	60	0.0248	0.0248	0.0228	
131	5e	NB	Hing Kwai Street	NB	814806.2	830307.2	0.0	814813.4	830383.7	0.0	At Grade	77	0.0	8.0	14.0	50	15	0.0023	0.0021	0.0020	35	0.0230	0.0229	0.0212	90	0.0212	0.0211	0.0195	205	0.0230	0.0230	0.0211
132	5e	NB	Hing Kwai Street	NB	814813.4	830383.7	0.0	814808.7	830481.2	0.0	At Grade	98	0.0	8.0	14.0	50	15	0.0023	0.0021	0.0020	35	0.0230	0.0229	0.0212	90	0.0212	0.0211	0.0195	205	0.0230	0.0230	0.0211
133	5e	SB	Hing Kwai Street	SB	814815.1	830483.2	0.0	814824.5	830405.3	0.0	At Grade	79	0.0	8.1	14.1	50	15	0.0023	0.0021	0.0020	20	0.0025	0.0024	0.0203	55	0.0156	0.0155	0.0143	135	0.0199	0.0199	0.0183
134	5e	SB	Hing Kwai Street	SB	814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	14.1	50	15	0.0023	0.0021	0.0020	20	0.0025	0.0024	0.0203	55	0.0156	0.0155	0.0143	135	0.0199	0.0199	0.0183
135	5f	NB	Hing Kwai Street	NB	814759.8	830215.9	0.0	814784.3	830252.9	0.0	At Grade	44	0.0	4.5	10.5	50	25	0.0051	0.0050	0.0046	35	0.0230	0.0229	0.0212	115	0.0218	0.0218	0.0200	245	0.0215	0.0215	0.0197
136	5f	NB	Hing Kwai Street	NB	814784.3	830252.9	0.0	814806.2	830307.2	0.0	At Grade	58	0.0	4.1	10.1	50	25	0.0051	0.0050	0.0046	35	0.0230	0.0229	0.0212	115	0.0218	0.0218	0.0200	245	0.0215	0.0215	0.0197
137	5f	SB	Hing Kwai Street	SB	814820.0	83																										

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 5				Hour 6				Hour 7				Hour 8			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
219	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2		70	515	0.0248	0.0247	0.0227	770	0.0234	0.0233	0.0215	2025	0.0240	0.0239	0.0220	4355	0.0275	0.0275	0.0252
220	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2		70	515	0.0248	0.0247	0.0227	770	0.0234	0.0233	0.0215	2025	0.0240	0.0239	0.0220	4355	0.0275	0.0275	0.0252
221	9a_SB	Tuen Mun Road	SB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	70	555	0.0265	0.0264	0.0243	825	0.0245	0.0244	0.0225	2180	0.0261	0.0260	0.0239	4695	0.0295	0.0295	0.0271
222	9a_SB	Tuen Mun Road	SB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	70	555	0.0265	0.0264	0.0243	825	0.0245	0.0244	0.0225	2180	0.0261	0.0260	0.0239	4695	0.0295	0.0295	0.0271
223	9a_SB	Tuen Mun Road	SB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	70	555	0.0265	0.0264	0.0243	825	0.0245	0.0244	0.0225	2180	0.0261	0.0260	0.0239	4695	0.0295	0.0295	0.0271
224	9a_SB	Tuen Mun Road	SB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	70	555	0.0265	0.0264	0.0243	825	0.0245	0.0244	0.0225	2180	0.0261	0.0260	0.0239	4695	0.0295	0.0295	0.0271
225	9a_SB	Tuen Mun Road	SB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	70	555	0.0265	0.0264	0.0243	825	0.0245	0.0244	0.0225	2180	0.0261	0.0260	0.0239	4695	0.0295	0.0295	0.0271
226	9a_SB	Tuen Mun Road	SB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	70	555	0.0265	0.0264	0.0243	825	0.0245	0.0244	0.0225	2180	0.0261	0.0260	0.0239	4695	0.0295	0.0295	0.0271
227	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
228	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
229	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830850.8	2.0	Bridge	36	1.6	9.0	15.0	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
230	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830850.8	2.0	816130.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
231	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816130.0	830792.9	4.0	816119.7	830730.6	4.0	Bridge	43	4.0	10.6	16.6	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
232	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816119.7	830730.6	4.0	816109.5	830667.9	2.0	Bridge	95	3.0	7.7	13.7	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
233	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816109.5	830667.9	2.0	816100.0	830621.3	0.0	Fill	37	1.0	8.0	14.0	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816100.0	830621.3	0.0	816115.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816115.2	830587.9	0.0	816109.5	830530.1	0.0	At Grade	92	0.0	7.7	13.7	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816109.5	830530.1	0.0	816079.9	830477.2	0.0	At Grade	76	0.0	7.7	13.7	70	105	0.0216	0.0215	0.0198	175	0.0246	0.0245	0.0226	435	0.0287	0.0287	0.0264	975	0.0300	0.0300	0.0276
237	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	50	85	0.0140	0.0139	0.0128	145	0.0171	0.0170	0.0157	360	0.0192	0.0192	0.0177	800	0.0198	0.0198	0.0182
238	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	50	85	0.0140	0.0139	0.0128	145	0.0171	0.0170	0.0157	360	0.0192	0.0192	0.0177	800	0.0198	0.0198	0.0182
239	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	50	85	0.0140	0.0139	0.0128	145	0.0171	0.0170	0.0157	360	0.0192	0.0192	0.0177	800	0.0198	0.0198	0.0182
240	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	50	85	0.0140	0.0139	0.0128	145	0.0171	0.0170	0.0157	360	0.0192	0.0192	0.0177	800	0.0198	0.0198	0.0182
241	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	50	85	0.0140	0.0139	0.0128	145	0.0171	0.0170	0.0157	360	0.0192	0.0192	0.0177	800	0.0198	0.0198	0.0182
242	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816006.2	830611.0	0.0	At Grade	115	0.0	8.9	14.9	50	35	0.0230	0.0229	0.0212	55	0.0156	0.0155	0.0143	150	0.0170	0.0169	0.0156	345	0.0210	0.0209	0.0193
243	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830611.0	0.0	816006.2	830662.9	0.0	At Grade	52	0.0	10.2	16.2	50	35	0.0230	0.0229	0.0212	55	0.0156	0.0155	0.0143	150	0.0170	0.0169	0.0156	345	0.0210	0.0209	0.0193
244	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	70	120	0.0314	0.0314	0.0289	185	0.0290	0.0289	0.0266	485	0.0314	0.0313	0.0289	1070	0.0324	0.0323	0.0298
245	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	70	120	0.0314	0.0314	0.0289	185	0.0290	0.0289	0.0266	485	0.0314	0.0313	0.0289	1070	0.0324	0.0323	0.0298
246	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	70	120	0.0314	0.0314	0.0289	185	0.0290	0.0289	0.0266	485	0.0314	0.0313	0.0289	1070	0.0324	0.0323	0.0298
247	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	70	120	0.0314	0.0314	0.0289	185	0.0290	0.0289	0.0266	485	0.0314	0.0313	0.0289	1070	0.0324	0.0323	0.0298
248	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830749.8	3.2	Fill	81	4.9	4.4	10.4	70	120	0.0314	0.0314	0.0289	185	0.0290	0.0289	0.0266	485	0.0314	0.0313	0.0289	1070	0.0324	0.0323	0.0298
249	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830749.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	70	120	0.0314	0.0314	0.0289	185	0.0290	0.0289	0.0266	485	0.0314	0.0313	0.0289	1070	0.0324	0.0323	0.0298
250	9f_NB	Castle Peak Road - Lam Tei	SB	816182.2	83093.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	70	175	0.0278	0.0277	0.0255	270	0.0265	0.0264	0.0243	710	0.0311	0.0311	0.0286	1545	0.0310	0.0310	0.0285
251	9f_NB	Castle Peak Road - Lam Tei	SB	816253.9	831045.3	0.0	816284.0	831104.9	0.0	At Grade	67	0.0	7.9	13.9	70	175	0.0278	0.0277	0.0255	270	0.0265	0.0264									

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	Hour 5										Hour 6				Hour 7				Hour 8													
				X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)				
324	28 NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
325	28 NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
326	28 NB	Tuen Fu Road	NB	816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
327	28 NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
328	28 NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
329	28 NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
330	28 NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
331	28 NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
332	28 NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031
333	28 SB	Tuen Fu Road	SB	816234.3	830294.9	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
334	28 SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
335	28 SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
336	28 SB	Tuen Fu Road	SB	816113.0	830248.8	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	10.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
337	28 SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
338	28 SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
339	28 SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
340	28 SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	15	0.0097	0.0094	0.0088
341	29 EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	50	30	0.0523	0.0519	0.0479	50	0.0404	0.0401	0.0370	130	0.0324	0.0322	0.0296	325	0.0442	0.0440	0.0405				
342	29 EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	50	30	0.0523	0.0519	0.0479	50	0.0404	0.0401	0.0370	130	0.0324	0.0322	0.0296	325	0.0442	0.0440	0.0405				
343	29 WB	Tuen Kwai Road	WB	816339.7	830295.1	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	50	30	0.0523	0.0519	0.0479	50	0.0404	0.0401	0.0370	130	0.0395	0.0393	0.0362	305	0.0447	0.0445	0.0409				
344	29 WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	50	30	0.0523	0.0519	0.0479	50	0.0404	0.0401	0.0370	130	0.0395	0.0393	0.0362	305	0.0447	0.0445	0.0409				
345	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815883.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
346	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
347	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
348	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
349	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
350	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
351	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
352	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
353	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
354	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815856.2	831283.8	0.0	815905.6	831261.5	0.0	At Grade	54	0.0	4.2	10.2	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
355	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815905.6	831261.5	0.0	815927.4	831238.3	0.0	At Grade	32	0.0	3.7	9.7	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031				
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Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Traffic Flows (VPH)	Hour 5			Hour 6			Hour 7			Hour 8					
																	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
430	40_NB	San Hing Road	NB	815833.6	830968.1	0.0	815852.9	831032.2	0.0	At Grade	67	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	15	0.0023	0.0021	0.0020	35	0.0099	0.0095	0.0089	85	0.0102	0.0100	0.0093
431	40_NB			815852.9	831032.2	0.0	815859.5	831062.9	0.0	At Grade	31	0.0	2.4	8.4	50	5	0.0034	0.0032	0.0031	15	0.0023	0.0021	0.0020	35	0.0099	0.0095	0.0089	85	0.0102	0.0100	0.0093
432	40_NB			815859.5	831062.9	0.0	815869.0	831084.9	0.0	At Grade	24	0.0	2.4	8.4	50	5	0.0034	0.0032	0.0031	15	0.0023	0.0021	0.0020	35	0.0099	0.0095	0.0089	85	0.0102	0.0100	0.0093
433	40_NB			815869.0	831084.9	0.0	815882.1	831106.2	0.0	At Grade	25	0.0	2.1	8.1	50	5	0.0034	0.0032	0.0031	15	0.0023	0.0021	0.0020	35	0.0099	0.0095	0.0089	85	0.0102	0.0100	0.0093
434	40_NB			815882.1	831106.2	0.0	815901.6	831126.6	0.0	At Grade	28	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	15	0.0023	0.0021	0.0020	35	0.0099	0.0095	0.0089	85	0.0102	0.0100	0.0093
435	40_SB	San Hing Road	SB	815902.5	831122.2	0.0	815884.0	831103.6	0.0	At Grade	26	0.0	4.1	10.1	50	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0100	0.0096	0.0090
436	40_SB			815884.0	831103.6	0.0	815870.5	831081.2	0.0	At Grade	26	0.0	4.0	10.0	50	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0100	0.0096	0.0090
437	40_SB			815870.5	831081.2	0.0	815862.8	831062.2	0.0	At Grade	21	0.0	3.5	9.5	50	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0100	0.0096	0.0090
438	40_SB			815862.8	831062.2	0.0	815855.6	831032.4	0.0	At Grade	31	0.0	3.4	9.4	50	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0100	0.0096	0.0090
439	40_SB			815855.6	831032.4	0.0	815837.5	830966.5	0.0	At Grade	68	0.0	3.8	9.8	50	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0100	0.0096	0.0090
440	41_NB	Slip road to Yuen Long Highway	NB	816186.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	80	100	0.0333	0.0332	0.0306	160	0.0238	0.0237	0.0218	405	0.0291	0.0290	0.0267	895	0.0284	0.0284	0.0261
441	41_NB			816203.3	830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	80	100	0.0333	0.0332	0.0306	160	0.0238	0.0237	0.0218	405	0.0291	0.0290	0.0267	895	0.0284	0.0284	0.0261
442	41_NB			816230.4	830710.4	7.3	816254.4	830710.1	7.3	Fill	24	7.3	6.7	9.7	80	100	0.0333	0.0332	0.0306	160	0.0238	0.0237	0.0218	405	0.0291	0.0290	0.0267	895	0.0284	0.0284	0.0261
443	41_NB			816254.4	830710.1	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	80	100	0.0333	0.0332	0.0306	160	0.0238	0.0237	0.0218	405	0.0291	0.0290	0.0267	895	0.0284	0.0284	0.0261
444	41_NB			816295.3	830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	80	100	0.0333	0.0332	0.0306	160	0.0238	0.0237	0.0218	405	0.0291	0.0290	0.0267	895	0.0284	0.0284	0.0261
445	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	80	100	0.0333	0.0332	0.0306	160	0.0238	0.0237	0.0218	405	0.0291	0.0290	0.0267	895	0.0284	0.0284	0.0261		
446	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	70	0.0403	0.0400	0.0369
447	42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	70	0.0403	0.0400	0.0369
448	42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	70	0.0403	0.0400	0.0369
449	42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	70	0.0403	0.0400	0.0369
450	42_SB			Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	75	0.0383
451	42_SB	815490.6	830511.1			0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	75	0.0383	0.0381	0.0351
452	42_SB	815426.2	830477.1			0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	75	0.0383	0.0381	0.0351
453	42_SB	815386.5	830438.9			0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	30	0.0338	0.0334	0.0309	75	0.0383	0.0381	0.0351
454	89_EB	San Fuk Road	EB			814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	50	0.0389
455	89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	50	0.0389	0.0387	0.0356
456	89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	50	0.0389	0.0387	0.0356
457	89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	20	0.0025	0.0024	0.0023	50	0.0389	0.0387	0.0356
458	89_WB			San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000
459	89_WB	814894.4	829990.9			0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
460	89_WB	814835.5	830030.6			0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
461	89_WB	814821.5	830033.1			0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
462	91_NB	Tsing Lun Road	NB			815643.3	830372.6	8.0	815643.3	830421.0	8.0	Fill	48	8.0	5.2	8.2	50	40	0.0521	0.0520	0.0479	75	0.0382	0.0381	0.0351	180	0.0462	0.0461	0.0424	410	0.0485
463	91_NB			815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	44	8.0	6.5	9.5	50	40	0.0521	0.0520	0.0479	75	0.0382	0.0381	0.0351	180	0.0462	0.0461	0.0424	410	0.0485	0.0484	0.0445
464	91_SB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	Fill	20	0.0	6.4	12.4	50	55	0.0385	0.0384	0.0354	100	0.0310	0.0309	0.0285	250	0.0314	0.0314	0.0288	550	0.0398	0.0397	0.0365
465	91_SB			815655.9	830463.7	8.0	815669.0	830445.																							

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 9				Hour 10				Hour 11				Hour 12						
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)			
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	50	1230	0.0321	0.0321	0.0295	0.0295	1115	0.0317	0.0317	0.0317	1065	0.0323	0.0323	0.0297	0.0297	1030	0.0330	0.0330	0.0303	0.0303
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	50	1275	0.0384	0.0384	0.0352	0.0352	1165	0.0382	0.0381	0.0350	1105	0.0390	0.0390	0.0358	0.0358	910	0.0331	0.0330	0.0303	0.0303
3	1a		SB	816145.5	830696.2	0.0	816128.1	830634.5	0.0	At Grade	50	0.0	9.2	15.2	50	1275	0.0384	0.0384	0.0352	0.0352	1165	0.0382	0.0381	0.0350	1105	0.0390	0.0390	0.0358	0.0358	910	0.0331	0.0330	0.0303	0.0303
4	1a		SB	816128.1	830649.5	0.0	816087.6	830634.5	0.0	At Grade	43	0.0	9.2	15.2	50	1275	0.0384	0.0384	0.0352	0.0352	1165	0.0382	0.0381	0.0350	1105	0.0390	0.0390	0.0358	0.0358	910	0.0331	0.0330	0.0303	0.0303
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	50	1895	0.0436	0.0435	0.0399	0.0399	1720	0.0351	0.0350	0.0322	1650	0.0354	0.0353	0.0325	0.0325	1575	0.0346	0.0344	0.0317	0.0317
6	1b		EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	50	1895	0.0436	0.0435	0.0399	0.0399	1720	0.0351	0.0350	0.0322	1650	0.0354	0.0353	0.0325	0.0325	1575	0.0346	0.0344	0.0317	0.0317
7	1b		EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	50	1895	0.0436	0.0435	0.0399	0.0399	1720	0.0351	0.0350	0.0322	1650	0.0354	0.0353	0.0325	0.0325	1575	0.0346	0.0344	0.0317	0.0317
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	50	1135	0.0344	0.0343	0.0315	0.0315	1035	0.0343	0.0342	0.0315	975	0.0349	0.0348	0.0320	0.0320	950	0.0349	0.0348	0.0320	0.0320
9	1b		WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	50	1135	0.0344	0.0343	0.0315	0.0315	1035	0.0343	0.0342	0.0315	975	0.0349	0.0348	0.0320	0.0320	950	0.0349	0.0348	0.0320	0.0320
10	1b		WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	50	1135	0.0344	0.0343	0.0315	0.0315	1035	0.0343	0.0342	0.0315	975	0.0349	0.0348	0.0320	0.0320	950	0.0349	0.0348	0.0320	0.0320
11	1c	Tsing Lun Road	EB	815785.2	830739.3	0.0	815823.0	830741.6	0.0	At Grade	38	0.0	12.9	18.9	50	1940	0.0465	0.0463	0.0426	0.0426	1765	0.0372	0.0371	0.0341	1685	0.0377	0.0376	0.0346	0.0346	1610	0.0368	0.0367	0.0338	0.0338
12	1c		EB	815823.0	830741.6	0.0	815837.0	830721.4	0.0	At Grade	52	0.0	10.5	16.5	50	1940	0.0465	0.0463	0.0426	0.0426	1765	0.0372	0.0371	0.0341	1685	0.0377	0.0376	0.0346	0.0346	1610	0.0368	0.0367	0.0338	0.0338
13	1c		WB	815837.0	830721.4	0.0	815837.0	830721.4	0.0	At Grade	49	0.0	8.4	14.4	50	1135	0.0344	0.0343	0.0315	0.0315	1035	0.0343	0.0342	0.0315	975	0.0349	0.0348	0.0320	0.0320	950	0.0349	0.0348	0.0320	0.0320
14	1c	Tsing Lun Road	WB	815837.0	830724.7	0.0	815817.6	830723.9	0.0	At Grade	19	0.0	8.4	14.4	50	1135	0.0344	0.0343	0.0315	0.0315	1035	0.0343	0.0342	0.0315	975	0.0349	0.0348	0.0320	0.0320	950	0.0349	0.0348	0.0320	0.0320
15	1c		WB	815817.6	830723.9	0.0	815794.0	830726.9	0.0	At Grade	24	0.0	8.4	14.4	50	1135	0.0344	0.0343	0.0315	0.0315	1035	0.0343	0.0342	0.0315	975	0.0349	0.0348	0.0320	0.0320	950	0.0349	0.0348	0.0320	0.0320
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	50	965	0.0383	0.0382	0.0351	0.0351	880	0.0339	0.0339	0.0311	830	0.0342	0.0341	0.0314	0.0314	805	0.0350	0.0350	0.0322	0.0322
17	1d		NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	50	965	0.0383	0.0382	0.0351	0.0351	880	0.0339	0.0339	0.0311	830	0.0342	0.0341	0.0314	0.0314	805	0.0350	0.0350	0.0322	0.0322
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	50	875	0.0339	0.0339	0.0311	0.0311	805	0.0336	0.0336	0.0309	755	0.0338	0.0338	0.0311	0.0311	725	0.0349	0.0349	0.0321	0.0321
19	1d		SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	50	875	0.0339	0.0339	0.0311	0.0311	805	0.0336	0.0336	0.0309	755	0.0338	0.0338	0.0311	0.0311	725	0.0349	0.0349	0.0321	0.0321
20	1d		SB	815724.7	830648.0	8.0	815708.1	830595.1	8.0	Fill	55	8.0	6.5	9.5	50	875	0.0339	0.0339	0.0311	0.0311	805	0.0336	0.0336	0.0309	755	0.0338	0.0338	0.0311	0.0311	725	0.0349	0.0349	0.0321	0.0321
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	50	850	0.0323	0.0323	0.0297	0.0297	780	0.0318	0.0318	0.0293	735	0.0317	0.0317	0.0292	0.0292	710	0.0327	0.0327	0.0301	0.0301
22	1e		NB	815667.2	830496.8	5.7	815675.5	830535.2	5.7	Fill	39	5.7	6.3	9.3	50	850	0.0323	0.0323	0.0297	0.0297	780	0.0318	0.0318	0.0293	735	0.0317	0.0317	0.0292	0.0292	710	0.0327	0.0327	0.0301	0.0301
23	1e		NB	815675.5	830535.2	5.7	815673.5	830548.7	5.1	Fill	12	5.1	6.3	9.3	50	850	0.0323	0.0323	0.0297	0.0297	780	0.0318	0.0318	0.0293	735	0.0317	0.0317	0.0292	0.0292	710	0.0327	0.0327	0.0301	0.0301
24	1e		NB	815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	850	0.0323	0.0323	0.0297	0.0297	780	0.0318	0.0318	0.0293	735	0.0317	0.0317	0.0292	0.0292	710	0.0327	0.0327	0.0301	0.0301
25	1e		NB	815677.5	830560.8	5.1	815700.7	830598.3	0.0	At Grade	18	0.0	6.3	12.3	50	850	0.0323	0.0323	0.0297	0.0297	780	0.0318	0.0318	0.0293	735	0.0317	0.0317	0.0292	0.0292	710	0.0327	0.0327	0.0301	0.0301
26	1e	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	50	825	0.0300	0.0300	0.0276	0.0276	760	0.0309	0.0309	0.0284	715	0.0291	0.0291	0.0268	0.0268	680	0.0301	0.0301	0.0276	0.0276
27	1e		SB	815702.8	830579.1	0.0	815677.5	830548.7	5.1	Fill	13	5.1	6.2	9.2	50	825	0.0300	0.0300	0.0276	0.0276	760	0.0309	0.0309	0.0284	715	0.0291	0.0291	0.0268	0.0268	680	0.0301	0.0301	0.0276	0.0276
28	1e		SB	815677.5	830548.7	5.1	815673.5	830535.2	5.1	Fill	12	5.1	6.2	9.2	50	825	0.0300	0.0300	0.0276	0.0276	760	0.0309	0.0309	0.0284	715	0.0291	0.0291	0.0268	0.0268	680	0.0301	0.0301	0.0276	0.0276
29	1e		SB	815673.5	830535.2	5.7	815675.5	830548.7	5.1	Fill	39	5.7	6.2	9.2	50	825	0.0300	0.0300	0.0276	0.0276	760	0.0309	0.0309	0.0284	715	0.0291	0.0291	0.0268	0.0268	680	0.0301	0.0301	0.0276	0.0276
30	1e		SB	815675.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.2	9.2	50	825	0.0300	0.0300	0.0276	0.0276	760	0.0309	0.0309	0.0284	715	0.0291	0.0291	0.0268	0.0268	680	0.0301	0.0301	0.0276	0.0276
31	1f	Tsing Lun Road	NB	815631.9	830282.5	0.0	815627.7	830301.3	0.0	At Grade	39	0.0	3.9	9.9	50	415	0.0479	0.0479	0.0440	0.0440	380	0.0465	0.0465	0.										

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 9				Hour 10				Hour 11				Hour 12			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
103	5c_EB	Hong Po Road	EB	814970.4	831091.1	0.0	815038.9	831126.3	0.0	At Grade	77	0.0	3.1	9.1	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
104	5c_EB			815038.9	831126.3	0.0	815066.3	831136.7	0.0	At Grade	29	0.0	3.1	9.1	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
105	5c_EB			815066.3	831136.7	0.0	815096.0	831135.3	0.0	At Grade	30	0.0	3.1	9.1	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
106	5c_EB			815096.0	831135.3	0.0	815116.5	831127.3	0.0	At Grade	22	0.0	3.0	9.0	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
107	5c_EB			815116.5	831127.3	0.0	815133.4	831113.7	0.0	At Grade	22	0.0	3.0	9.0	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
108	5c_EB			815133.4	831113.7	0.0	815166.0	831060.3	0.0	At Grade	63	0.0	3.1	9.1	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
109	5c_EB			815166.0	831060.3	0.0	815187.5	831039.1	0.0	At Grade	30	0.0	3.0	9.0	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
110	5c_EB			815187.5	831039.1	0.0	815217.0	830993.7	0.0	At Grade	95	0.0	3.1	9.1	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
111	5c_EB			815217.0	830993.7	0.0	815287.6	830988.7	0.0	At Grade	17	0.0	3.0	9.0	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
112	5c_EB			815287.6	830988.7	0.0	815306.1	830989.3	0.0	At Grade	19	0.0	3.0	9.0	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
113	5c_EB			815306.1	830989.3	0.0	815343.8	830995.5	0.0	At Grade	38	0.0	2.0	8.0	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
114	5c_EB			815343.8	830995.5	0.0	815374.6	831005.5	0.0	At Grade	32	0.0	2.5	8.5	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
115	5c_EB			815374.6	831005.5	0.0	815407.0	831024.0	0.0	At Grade	37	0.0	3.1	9.1	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
116	5c_EB			815407.0	831024.0	0.0	815444.3	831029.0	0.0	At Grade	38	0.0	3.0	9.0	50	220	0.0250	0.0249	0.0228	205	0.0231	0.0231	0.0212	190	0.0206	0.0206	0.0189	185	0.0210	0.0210	0.0193
117	5c_WB			815444.3	831029.0	0.0	815479.9	831021.5	0.0	At Grade	37	0.0	3.0	9.0	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245
118	5c_WB			815479.9	831021.5	0.0	815375.4	831002.6	0.0	At Grade	38	0.0	3.1	9.1	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245
119	5c_WB			815375.4	831002.6	0.0	815344.4	830992.9	0.0	At Grade	32	0.0	2.6	8.6	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245
120	5c_WB			815344.4	830992.9	0.0	815306.3	830986.7	0.0	At Grade	39	0.0	2.0	8.0	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245
121	5c_WB			815306.3	830986.7	0.0	815287.2	830986.1	0.0	At Grade	19	0.0	3.0	9.0	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245
122	5c_WB	815287.2	830986.1	0.0	815270.0	830991.3	0.0	At Grade	18	0.0	3.0	9.0	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
123	5c_WB	815270.0	830991.3	0.0	815185.9	831036.6	0.0	At Grade	95	0.0	3.1	9.1	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
124	5c_WB	815185.9	831036.6	0.0	815163.4	831058.6	0.0	At Grade	32	0.0	3.0	9.0	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
125	5c_WB	815163.4	831058.6	0.0	815131.4	831112.0	0.0	At Grade	62	0.0	3.1	9.1	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
126	5c_WB	815131.4	831112.0	0.0	815115.1	831125.0	0.0	At Grade	21	0.0	3.0	9.0	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
127	5c_WB	815115.1	831125.0	0.0	815095.4	831132.7	0.0	At Grade	21	0.0	3.0	9.0	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
128	5c_WB	815095.4	831132.7	0.0	815066.8	831134.1	0.0	At Grade	29	0.0	3.1	9.1	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
129	5c_WB	815066.8	831134.1	0.0	815039.9	831123.9	0.0	At Grade	29	0.0	3.1	9.1	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
130	5c_WB	815039.9	831123.9	0.0	814971.6	831087.8	0.0	At Grade	77	0.0	3.1	9.1	50	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245	55	0.0267	0.0267	0.0245		
131	5e_NB	Hing Kwai Street	NB	814806.2	830307.2	0.0	814813.4	830383.7	0.0	At Grade	77	0.0	8.0	14.0	50	210	0.0226	0.0225	0.0207	195	0.0241	0.0241	0.0221	180	0.0215	0.0215	0.0197	175	0.0220	0.0220	0.0202
132	5e_NB			814813.4	830383.7	0.0	814808.7	830481.2	0.0	At Grade	98	0.0	8.0	14.0	50	210	0.0226	0.0225	0.0207	195	0.0241	0.0241	0.0221	180	0.0215	0.0215	0.0197	175	0.0220	0.0220	0.0202
133	5e_SB			814815.1	830483.2	0.0	814824.5	830405.3	0.0	At Grade	79	0.0	8.1	14.1	50	140	0.0194	0.0193	0.0177	135	0.0199	0.0199	0.0183	125	0.0214	0.0214	0.0196	120	0.0221	0.0221	0.0202
134	5e_SB			814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	14.1	50	140	0.0194	0.0193	0.0177	135	0.0199	0.0199	0.0183	125	0.0214	0.0214	0.0196	120	0.0221	0.0221	0.0202
135	5f_NB	Hing Kwai Street	NB	814759.8	830215.9	0.0	814784.3	830252.9	0.0	At Grade	44	0.0	4.5	10.5	50	250	0.0211	0.0211	0.0194	230	0.0224	0.0224	0.0206	220	0.0201	0.0201	0.0184	215	0.0204	0.0204	0.0188
136	5f_NB			814784.3	830252.9	0.0	814806.2	830307.2	0.0	At Grade	58	0.0	4.1	10.1	50	250	0.0211	0.0211	0.0194	230	0.0224	0.0224	0.0206	220	0.0201	0.0201	0.0184	215	0.0204	0.0204	0.0188
137	5f_SB			814820.0	830304.6	0.0	814812.5	830283.6	0.0	At Grade	22	0.0	4.2	10.2	50	265	0.0279	0.0278	0.0256	245	0.0296	0.0296	0.0272	230	0.0282	0.0282	0.0259	225	0.0288	0.0288	0.0264
138	5f_SB			814812.5	830283.																										

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 9				Hour 10				Hour 11				Hour 12				
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
219	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	15.2	70	4535	0.0273	0.0272	0.0250	0.0248	4115	0.0248	0.0247	0.0228	3920	0.0249	0.0248	0.0228	3780	0.0252	0.0251	0.0231
220	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	70	4535	0.0273	0.0272	0.0250	0.0248	4115	0.0248	0.0247	0.0228	3920	0.0249	0.0248	0.0228	3780	0.0252	0.0251	0.0231
221	9a_SB	Tuen Mun Road	SB	816026.0	830477.2	0.0	830429.0	830429.0	0.0	At Grade	54	0.0	17.3	23.3	70	4895	0.0335	0.0334	0.0307	0.0307	4440	0.0292	0.0292	0.0268	4230	0.0294	0.0293	0.0270	4080	0.0271	0.0270	0.0249
222	9a_SB	Tuen Mun Road	SB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	70	4895	0.0335	0.0334	0.0307	0.0307	4440	0.0292	0.0292	0.0268	4230	0.0294	0.0293	0.0270	4080	0.0271	0.0270	0.0249
223	9a_SB	Tuen Mun Road	SB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	70	4895	0.0335	0.0334	0.0307	0.0307	4440	0.0292	0.0292	0.0268	4230	0.0294	0.0293	0.0270	4080	0.0271	0.0270	0.0249
224	9a_SB	Tuen Mun Road	SB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	70	4895	0.0335	0.0334	0.0307	0.0307	4440	0.0292	0.0292	0.0268	4230	0.0294	0.0293	0.0270	4080	0.0271	0.0270	0.0249
225	9a_SB	Tuen Mun Road	SB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	70	4895	0.0335	0.0334	0.0307	0.0307	4440	0.0292	0.0292	0.0268	4230	0.0294	0.0293	0.0270	4080	0.0271	0.0270	0.0249
226	9a_SB	Tuen Mun Road	SB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	70	4895	0.0335	0.0334	0.0307	0.0307	4440	0.0292	0.0292	0.0268	4230	0.0294	0.0293	0.0270	4080	0.0271	0.0270	0.0249
227	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
228	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
229	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
230	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830830.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
231	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816150.0	830792.9	4.0	816159.7	830750.9	4.0	Bridge	43	4.0	10.6	16.6	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
232	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816159.7	830750.9	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
233	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	70	1010	0.0298	0.0298	0.0274	0.0274	920	0.0302	0.0302	0.0278	880	0.0303	0.0303	0.0278	835	0.0305	0.0305	0.0280
237	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830611.0	0.0	At Grade	39	0.0	9.9	15.9	50	825	0.0223	0.0222	0.0204	0.0204	755	0.0198	0.0198	0.0182	705	0.0199	0.0198	0.0182	680	0.0194	0.0194	0.0178
238	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830611.0	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	50	825	0.0223	0.0222	0.0204	0.0204	755	0.0198	0.0198	0.0182	705	0.0199	0.0198	0.0182	680	0.0194	0.0194	0.0178
239	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	50	825	0.0223	0.0222	0.0204	0.0204	755	0.0198	0.0198	0.0182	705	0.0199	0.0198	0.0182	680	0.0194	0.0194	0.0178
240	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	50	825	0.0223	0.0222	0.0204	0.0204	755	0.0198	0.0198	0.0182	705	0.0199	0.0198	0.0182	680	0.0194	0.0194	0.0178
241	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	50	825	0.0223	0.0222	0.0204	0.0204	755	0.0198	0.0198	0.0182	705	0.0199	0.0198	0.0182	680	0.0194	0.0194	0.0178
242	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816007.2	830511.0	0.0	At Grade	115	0.0	8.9	14.9	50	355	0.0205	0.0204	0.0188	0.0188	325	0.0219	0.0218	0.0201	310	0.0208	0.0207	0.0191	300	0.0214	0.0213	0.0196
243	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816007.2	830511.0	0.0	816007.2	830511.0	0.0	At Grade	52	0.0	10.2	16.2	50	355	0.0205	0.0204	0.0188	0.0188	325	0.0219	0.0218	0.0201	310	0.0208	0.0207	0.0191	300	0.0214	0.0213	0.0196
244	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	70	1110	0.0322	0.0321	0.0296	0.0296	1015	0.0324	0.0324	0.0298	970	0.0325	0.0324	0.0298	925	0.0329	0.0328	0.0302
245	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	70	1110	0.0322	0.0321	0.0296	0.0296	1015	0.0324	0.0324	0.0298	970	0.0325	0.0324	0.0298	925	0.0329	0.0328	0.0302
246	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816030.5	830605.2	6.5	Fill	55	5.4	6.7	12.7	70	1110	0.0322	0.0321	0.0296	0.0296	1015	0.0324	0.0324	0.0298	970	0.0325	0.0324	0.0298	925	0.0329	0.0328	0.0302
247	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830605.2	6.5	816058.1	830754.4	6.5	Bridge	21	6.5	6.9	12.9	70	1110	0.0322	0.0321	0.0296	0.0296	1015	0.0324	0.0324	0.0298	970	0.0325	0.0324	0.0298	925	0.0329	0.0328	0.0302
248	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830754.4	6.5	816090.2	830749.8	3.2	Fill	81	4.9	4.4	10.4	70	1110	0.0322	0.0321	0.0296	0.0296	1015	0.0324	0.0324	0.0298	970	0.0325	0.0324	0.0298	925	0.0329	0.0328	0.0302
249	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830749.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	70	1110	0.0322	0.0321	0.0296	0.0296	1015	0.0324	0.0324	0.0298	970	0.0325	0.0324	0.0298	925	0.0329	0.0328	0.0302
250	9f_SB	Castle Peak Road - Lam Tei	SB	816182.2	83093.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	70	1600																

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 9				Hour 10				Hour 11				Hour 12					
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)		
324	28 NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
325	28 NB			816007.8	830259.5	0.0	816022.9	830260.7	0.0	At Grade	15	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
326	28 NB			816022.9	830260.7	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
327	28 NB			816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
328	28 NB			816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
329	28 NB			816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
330	28 NB			816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
331	28 NB			816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
332	28 NB			816182.0	830298.6	0.0	816234.0	830300.9	0.0	At Grade	52	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
333	28 SB			Tuen Fu Road	SB	816234.0	830294.9	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
334	28 SB					816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
335	28 SB					816163.8	830285.7	0.0	816113.0	830248.6	0.0	At Grade	63	0.0	4.3	10.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
336	28 SB					816113.0	830248.6	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	10.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
337	28 SB					816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
338	28 SB	816023.8	830256.3			0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088		
339	28 SB	816011.7	830252.9			0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088		
340	28 SB	816000.9	830221.9			0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088		
341	29 EB	Tuen Kwai Road	EB			816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	50	335	0.0432	0.0430	0.0395	310	0.0458	0.0455	0.0419	295	0.0431	0.0428	0.0393	285	0.0441	0.0438	0.0403
342	29 EB					816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	50	335	0.0432	0.0430	0.0395	310	0.0458	0.0455	0.0419	295	0.0431	0.0428	0.0393	285	0.0441	0.0438	0.0403
343	29 WB					816339.7	830295.1	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	50	310	0.0442	0.0439	0.0404	290	0.0464	0.0461	0.0424	270	0.0430	0.0427	0.0393	260	0.0443	0.0441	0.0405
344	29 WB					816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	50	310	0.0442	0.0439	0.0404	290	0.0464	0.0461	0.0424	270	0.0430	0.0427	0.0393	260	0.0443	0.0441	0.0405
345	34 EB	Access Road to Chung Shan San Hing Tsuen	EB			815883.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
346	34 EB					815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
347	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
348	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
349	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
350	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
351	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
352	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
353	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
354	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
355	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
356	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
357	34 WB			Access Road to Chung Shan San Hing Tsuen	WB	815948.1	831194.3	0.0	815925.7	831237.1	0.0	At Grade	48	0.0	2.6	8.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
358	34 WB					815925.7	831194.3	0.0	815904.9	831260.1	0.0	At Grade	31	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
359	34 WB	815904.9	831260.1			0.0	815882.3	831269.2	0.0	At Grade	24	0.0	3.8	9.8	50	5	0.0																

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Traffic Flows (VPH)	Hour 9			Hour 10			Hour 11			Hour 12					
																	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
430	40_NB	San Hing Road	NB	815833.6	830968.1	0.0	815852.9	831032.2	0.0	At Grade	67	0.0	2.3	8.3	50	85	0.0102	0.0100	0.0093	80	0.0103	0.0101	0.0093	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
431	40_NB			815852.9	831032.2	0.0	815859.5	831062.9	0.0	At Grade	31	0.0	2.4	8.4	50	85	0.0102	0.0100	0.0093	80	0.0103	0.0101	0.0093	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
432	40_NB			815859.5	831062.9	0.0	815869.0	831084.9	0.0	At Grade	24	0.0	2.4	8.4	50	85	0.0102	0.0100	0.0093	80	0.0103	0.0101	0.0093	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
433	40_NB			815869.0	831062.9	0.0	815882.1	831106.2	0.0	At Grade	25	0.0	2.1	8.1	50	85	0.0102	0.0100	0.0093	80	0.0103	0.0101	0.0093	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
434	40_NB			815882.1	831106.2	0.0	815901.6	831126.6	0.0	At Grade	28	0.0	3.6	9.6	50	85	0.0102	0.0100	0.0093	80	0.0103	0.0101	0.0093	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
435	40_SB	San Hing Road	SB	815902.5	831122.2	0.0	815884.0	831103.6	0.0	At Grade	26	0.0	4.1	10.1	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020
436	40_SB			815884.0	831103.6	0.0	815870.5	831081.2	0.0	At Grade	26	0.0	4.0	10.0	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020
437	40_SB			815870.5	831081.2	0.0	815862.8	831062.2	0.0	At Grade	21	0.0	3.5	9.5	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020
438	40_SB			815862.8	831062.2	0.0	815855.6	831032.4	0.0	At Grade	31	0.0	3.4	9.4	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020
439	40_SB			815855.6	831032.4	0.0	815837.5	830966.5	0.0	At Grade	68	0.0	3.8	9.8	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	15	0.0023	0.0021	0.0020
440	41_NB	Slip road to Yuen Long Highway	NB	816186.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	80	930	0.0282	0.0281	0.0259	845	0.0282	0.0281	0.0258	805	0.0280	0.0279	0.0257	775	0.0289	0.0288	0.0266
441	41_NB			816203.3	830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	80	930	0.0282	0.0281	0.0259	845	0.0282	0.0281	0.0258	805	0.0280	0.0279	0.0257	775	0.0289	0.0288	0.0266
442	41_NB			816230.4	830710.4	7.3	816254.4	830710.1	7.3	Fill	24	7.3	6.7	9.7	80	930	0.0282	0.0281	0.0259	845	0.0282	0.0281	0.0258	805	0.0280	0.0279	0.0257	775	0.0289	0.0288	0.0266
443	41_NB			816254.4	830710.1	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	80	930	0.0282	0.0281	0.0259	845	0.0282	0.0281	0.0258	805	0.0280	0.0279	0.0257	775	0.0289	0.0288	0.0266
444	41_NB			816295.3	830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	80	930	0.0282	0.0281	0.0259	845	0.0282	0.0281	0.0258	805	0.0280	0.0279	0.0257	775	0.0289	0.0288	0.0266
445	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	80	930	0.0282	0.0281	0.0259	845	0.0282	0.0281	0.0258	805	0.0280	0.0279	0.0257	775	0.0289	0.0288	0.0266		
446	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	50	70	0.0403	0.0400	0.0369	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389
447	42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	50	70	0.0403	0.0400	0.0369	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389
448	42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	50	70	0.0403	0.0400	0.0369	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389
449	42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	50	70	0.0403	0.0400	0.0369	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389	65	0.0425	0.0422	0.0389
450	42_SB			Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	50	75	0.0383	0.0381	0.0351	70	0.0403	0.0400	0.0369	70	0.0403	0.0400	0.0369	70	0.0403
451	42_SB	815490.6	830511.1			0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	50	75	0.0383	0.0381	0.0351	70	0.0403	0.0400	0.0369	70	0.0403	0.0400	0.0369	70	0.0403	0.0400	0.0369
452	42_SB	815426.2	830477.1			0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	50	75	0.0383	0.0381	0.0351	70	0.0403	0.0400	0.0369	70	0.0403	0.0400	0.0369	70	0.0403	0.0400	0.0369
453	42_SB	815386.5	830438.9			0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	50	75	0.0383	0.0381	0.0351	70	0.0403	0.0400	0.0369	70	0.0403	0.0400	0.0369	70	0.0403	0.0400	0.0369
454	89_EB	San Fuk Road	EB			814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	50	50	0.0389	0.0387	0.0356	45	0.0319	0.0318	0.0293	45	0.0319	0.0318	0.0293	45	0.0319
455	89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	50	50	0.0389	0.0387	0.0356	45	0.0319	0.0318	0.0293	45	0.0319	0.0318	0.0293	45	0.0319	0.0318	0.0293
456	89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	50	50	0.0389	0.0387	0.0356	45	0.0319	0.0318	0.0293	45	0.0319	0.0318	0.0293	45	0.0319	0.0318	0.0293
457	89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	50	50	0.0389	0.0387	0.0356	45	0.0319	0.0318	0.0293	45	0.0319	0.0318	0.0293	45	0.0319	0.0318	0.0293
458	89_WB			San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000
459	89_WB	814894.4	829990.9			0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
460	89_WB	814835.5	830030.6			0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
461	89_WB	814821.5	830033.1			0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
462	91_NB	Tsing Lun Road	NB			815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	50	415	0.0479	0.0479	0.0440	380	0.0465	0.0465	0.0427	360	0.0477	0.0477	0.0439	340	0.0494
463	91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	50	415	0.0479	0.0479	0.0440	380	0.0465	0.0465	0.0427	360	0.0477	0.0477	0.0439	340	0.0494	0.0494	0.0454
464	91_SB			815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	50	565	0.0388	0.0387	0.0356	520	0.0402	0.0401	0.0368	495	0.0381	0.0380	0.0349	465	0.0390	0.0389	0.0357
465	9																														

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16							
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)				
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	50	1290	0.0288	0.0288	0.0265	0.0265	1165	0.0292	0.0291	0.0265	0.0265	1200	0.0285	0.0285	0.0310	0.0310	955	0.0332	0.0331	0.0304	0.0304
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	50	835	0.0289	0.0288	0.0265	0.0265	865	0.0288	0.0288	0.0264	0.0264	930	0.0339	0.0338	0.0310	0.0310	955	0.0332	0.0331	0.0304	0.0304
3	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816145.5	830696.2	0.0	816128.1	830636.4	0.0	At Grade	50	0.0	9.2	15.2	50	835	0.0289	0.0288	0.0265	0.0265	865	0.0288	0.0288	0.0264	0.0264	930	0.0339	0.0338	0.0310	0.0310	955	0.0332	0.0331	0.0304	0.0304
4	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816128.1	830636.4	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	50	835	0.0289	0.0288	0.0265	0.0265	865	0.0288	0.0288	0.0264	0.0264	930	0.0339	0.0338	0.0310	0.0310	955	0.0332	0.0331	0.0304	0.0304
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	50	1090	0.0319	0.0318	0.0292	0.0292	1125	0.0318	0.0317	0.0291	0.0291	1215	0.0324	0.0323	0.0297	0.0297	1255	0.0316	0.0315	0.0289	0.0289
6	1b	Tsing Lun Road	EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	50	1090	0.0319	0.0318	0.0292	0.0292	1125	0.0318	0.0317	0.0291	0.0291	1215	0.0324	0.0323	0.0297	0.0297	1255	0.0316	0.0315	0.0289	0.0289
7	1b	Tsing Lun Road	EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	50	1090	0.0319	0.0318	0.0292	0.0292	1125	0.0318	0.0317	0.0291	0.0291	1215	0.0324	0.0323	0.0297	0.0297	1255	0.0316	0.0315	0.0289	0.0289
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	50	855	0.0261	0.0261	0.0240	0.0240	880	0.0255	0.0255	0.0234	0.0234	945	0.0304	0.0303	0.0278	0.0278	975	0.0297	0.0296	0.0272	0.0272
9	1b	Tsing Lun Road	WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	50	855	0.0261	0.0261	0.0240	0.0240	880	0.0255	0.0255	0.0234	0.0234	945	0.0304	0.0303	0.0278	0.0278	975	0.0297	0.0296	0.0272	0.0272
10	1b	Tsing Lun Road	WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	50	855	0.0261	0.0261	0.0240	0.0240	880	0.0255	0.0255	0.0234	0.0234	945	0.0304	0.0303	0.0278	0.0278	975	0.0297	0.0296	0.0272	0.0272
11	1c	Tsing Lun Road	EB	815785.2	830739.3	0.0	815823.0	830741.6	0.0	At Grade	38	0.0	12.9	18.9	50	1160	0.0319	0.0318	0.0292	0.0292	1195	0.0312	0.0311	0.0285	0.0285	1290	0.0317	0.0316	0.0290	0.0290	1330	0.0316	0.0314	0.0289	0.0289
12	1c	Tsing Lun Road	EB	815823.0	830741.6	0.0	815837.0	830721.4	0.0	At Grade	52	0.0	10.5	16.5	50	1160	0.0319	0.0318	0.0292	0.0292	1195	0.0312	0.0311	0.0285	0.0285	1290	0.0317	0.0316	0.0290	0.0290	1330	0.0316	0.0314	0.0289	0.0289
13	1c	Tsing Lun Road	WB	815837.0	830721.4	0.0	815837.0	830721.4	0.0	At Grade	49	0.0	8.4	14.4	50	855	0.0260	0.0260	0.0239	0.0239	880	0.0255	0.0255	0.0234	0.0234	950	0.0303	0.0302	0.0277	0.0277	975	0.0296	0.0295	0.0271	0.0271
14	1c	Tsing Lun Road	WB	815837.0	830721.4	0.0	815817.6	830723.9	0.0	At Grade	19	0.0	8.4	14.4	50	855	0.0260	0.0260	0.0239	0.0239	880	0.0255	0.0255	0.0234	0.0234	950	0.0303	0.0302	0.0277	0.0277	975	0.0296	0.0295	0.0271	0.0271
15	1c	Tsing Lun Road	WB	815817.6	830723.9	0.0	815794.0	830726.9	0.0	At Grade	24	0.0	8.4	14.4	50	855	0.0260	0.0260	0.0239	0.0239	880	0.0255	0.0255	0.0234	0.0234	950	0.0303	0.0302	0.0277	0.0277	975	0.0296	0.0295	0.0271	0.0271
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	50	735	0.0348	0.0348	0.0320	0.0320	755	0.0340	0.0340	0.0312	0.0312	805	0.0350	0.0350	0.0322	0.0322	830	0.0342	0.0341	0.0314	0.0314
17	1d	Tsing Lun Road	NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	50	735	0.0348	0.0348	0.0320	0.0320	755	0.0340	0.0340	0.0312	0.0312	805	0.0350	0.0350	0.0322	0.0322	830	0.0342	0.0341	0.0314	0.0314
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	50	665	0.0346	0.0346	0.0318	0.0318	685	0.0338	0.0338	0.0311	0.0311	740	0.0344	0.0344	0.0316	0.0316	760	0.0336	0.0336	0.0309	0.0309
19	1d	Tsing Lun Road	SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	50	665	0.0346	0.0346	0.0318	0.0318	685	0.0338	0.0338	0.0311	0.0311	740	0.0344	0.0344	0.0316	0.0316	760	0.0336	0.0336	0.0309	0.0309
20	1d	Tsing Lun Road	SB	815724.7	830648.0	8.0	815708.1	830595.1	8.0	Fill	55	8.0	6.5	9.5	50	665	0.0346	0.0346	0.0318	0.0318	685	0.0338	0.0338	0.0311	0.0311	740	0.0344	0.0344	0.0316	0.0316	760	0.0336	0.0336	0.0309	0.0309
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	50	655	0.0340	0.0340	0.0313	0.0313	670	0.0334	0.0333	0.0307	0.0307	715	0.0325	0.0325	0.0299	0.0299	735	0.0317	0.0317	0.0292	0.0292
22	1e	Tsing Lun Road	NB	815667.2	830496.8	5.7	815675.0	830535.2	5.7	Fill	39	5.7	6.3	9.3	50	655	0.0340	0.0340	0.0313	0.0313	670	0.0334	0.0333	0.0307	0.0307	715	0.0325	0.0325	0.0299	0.0299	735	0.0317	0.0317	0.0292	0.0292
23	1e	Tsing Lun Road	NB	815675.0	830535.2	5.7	815673.5	830548.7	5.1	Fill	12	5.1	6.3	9.3	50	655	0.0340	0.0340	0.0313	0.0313	670	0.0334	0.0333	0.0307	0.0307	715	0.0325	0.0325	0.0299	0.0299	735	0.0317	0.0317	0.0292	0.0292
24	1e	Tsing Lun Road	NB	815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	655	0.0340	0.0340	0.0313	0.0313	670	0.0334	0.0333	0.0307	0.0307	715	0.0325	0.0325	0.0299	0.0299	735	0.0317	0.0317	0.0292	0.0292
25	1e	Tsing Lun Road	NB	815677.5	830560.8	5.1	815700.7	830598.3	0.0	At Grade	18	0.0	6.3	12.3	50	655	0.0340	0.0340	0.0313	0.0313	670	0.0334	0.0333	0.0307	0.0307	715	0.0325	0.0325	0.0299	0.0299	735	0.0317	0.0317	0.0292	0.0292
26	1e	Tsing Lun Road	SB	815700.7	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	50	625	0.0312	0.0312	0.0287	0.0287	650	0.0302	0.0302	0.0278	0.0278	695	0.0299	0.0299	0.0275	0.0275	715	0.0291	0.0291	0.0268	0.0268
27	1e	Tsing Lun Road	SB	815702.8	830579.1	0.0	815677.5	830548.7	5.1	Fill	13	5.1	6.2	9.2	50	625	0.0312	0.0312	0.0287	0.0287	650	0.0302	0.0302	0.0278	0.0278	695	0.0299	0.0299	0.0275	0.0275	715	0.0291	0.0291	0.0268	0.0268
28	1e	Tsing Lun Road	SB	815677.5	830548.7	5.1	815673.5	830535.2	5.1	Fill	12	5.1	6.2	9.2	50	625	0.0312	0.0312	0.0287	0.0287	650	0.0302	0.0302	0.0278	0.0278	695	0.0299	0.0299	0.0275	0.0275	715	0.0291	0.0291	0.0268	0.0268
29	1e	Tsing Lun Road	SB	815673.5	830535.2	5.1	815675.0	830548.7	5.1	Fill	39	5.7	6.2	9.2	50	625	0.0312	0.0312	0.0287	0.0287	650	0.0302	0.0302	0.0278	0.0278	695	0.0299	0.0299	0.0275	0.0275	715	0.0291	0.0291	0.0268	0.0268
30	1e	Tsing Lun Road	SB	815675.0	830548.7	5.1	815673.5	830535.2	5.1	Fill	39	5.7	6.2	9.2	50	625	0.0312	0.0312	0.0287																

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16							
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)				
103	5c_EB	Hong Po Road	EB	814970.4	831091.1	0.0	815038.9	831126.3	0.0	At Grade	77	0.0	3.1	9.1	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
104	5c_EB			815038.9	831126.3	0.0	815066.3	831136.7	0.0	At Grade	29	0.0	3.1	9.1	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
105	5c_EB			815066.3	831136.7	0.0	815096.0	831135.3	0.0	At Grade	30	0.0	3.1	9.1	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
106	5c_EB			815096.0	831135.3	0.0	815116.5	831127.3	0.0	At Grade	22	0.0	3.0	9.0	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
107	5c_EB			815116.5	831127.3	0.0	815133.4	831113.7	0.0	At Grade	22	0.0	3.0	9.0	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
108	5c_EB			815133.4	831113.7	0.0	815166.0	831060.3	0.0	At Grade	63	0.0	3.1	9.1	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
109	5c_EB			815166.0	831060.3	0.0	815187.5	831039.1	0.0	At Grade	30	0.0	3.0	9.0	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
110	5c_EB			815187.5	831039.1	0.0	815217.0	830993.7	0.0	At Grade	95	0.0	3.1	9.1	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
111	5c_EB			815217.0	830993.7	0.0	815287.6	830988.7	0.0	At Grade	17	0.0	3.0	9.0	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
112	5c_EB			815287.6	830988.7	0.0	815306.1	830989.3	0.0	At Grade	19	0.0	3.0	9.0	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
113	5c_EB			815306.1	830989.3	0.0	815343.8	830995.5	0.0	At Grade	38	0.0	2.0	8.0	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
114	5c_EB			815343.8	830995.5	0.0	815374.6	831005.5	0.0	At Grade	32	0.0	2.5	8.5	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
115	5c_EB			815374.6	831005.5	0.0	815407.0	831024.0	0.0	At Grade	37	0.0	3.1	9.1	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189
116	5c_EB	815407.0	831024.0	0.0	815444.3	831029.0	0.0	At Grade	38	0.0	3.0	9.0	50	170	0.0226	0.0226	0.0208	0.0208	175	0.0221	0.0221	0.0203	0.0203	185	0.0210	0.0210	0.0193	0.0193	190	0.0206	0.0206	0.0189	0.0189		
117	5c_WB	Hong Po Road	WB	815444.3	831029.0	0.0	815407.9	831021.5	0.0	At Grade	37	0.0	3.0	9.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
118	5c_WB			815407.9	831021.5	0.0	815375.4	831002.6	0.0	At Grade	38	0.0	3.1	9.1	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
119	5c_WB			815375.4	831002.6	0.0	815344.4	830992.9	0.0	At Grade	32	0.0	2.6	8.6	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
120	5c_WB			815344.4	830992.9	0.0	815306.3	830986.7	0.0	At Grade	39	0.0	2.0	8.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
121	5c_WB			815306.3	830986.7	0.0	815287.2	830986.1	0.0	At Grade	19	0.0	3.0	9.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
122	5c_WB			815287.2	830986.1	0.0	815270.0	830991.3	0.0	At Grade	18	0.0	3.0	9.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
123	5c_WB			815270.0	830991.3	0.0	815250.0	830991.3	0.0	At Grade	19	0.0	3.0	9.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
124	5c_WB			815250.0	830991.3	0.0	815185.9	831036.6	0.0	At Grade	95	0.0	3.1	9.1	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
125	5c_WB			815185.9	831036.6	0.0	815163.4	831058.6	0.0	At Grade	32	0.0	3.0	9.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
126	5c_WB			815163.4	831058.6	0.0	815131.4	831120.0	0.0	At Grade	62	0.0	3.1	9.1	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
127	5c_WB			815131.4	831120.0	0.0	815115.1	831125.0	0.0	At Grade	21	0.0	3.0	9.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
128	5c_WB			815115.1	831125.0	0.0	815095.4	831132.7	0.0	At Grade	21	0.0	3.0	9.0	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
129	5c_WB			815095.4	831132.7	0.0	815096.8	831134.1	0.0	At Grade	29	0.0	3.1	9.1	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245
130	5c_WB	815096.8	831134.1	0.0	815039.9	831123.9	0.0	At Grade	29	0.0	3.1	9.1	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245		
131	5c_WB	815039.9	831123.9	0.0	814971.6	831087.8	0.0	At Grade	29	0.0	3.1	9.1	50	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245	55	0.0267	0.0267	0.0245	0.0245		
132	5e_NB	Hing Kwai Street	NB	814806.2	830307.2	0.0	814813.4	830383.7	0.0	At Grade	77	0.0	8.0	14.0	50	165	0.0232	0.0232	0.0213	0.0213	165	0.0232	0.0232	0.0213	0.0213	175	0.0220	0.0220	0.0202	0.0202	180	0.0215	0.0215	0.0197	0.0197
133	5e_NB			814813.4	830307.2	0.0	814808.7	830483.7	0.0	At Grade	98	0.0	8.0	14.0	50	165	0.0232	0.0232	0.0213	0.0213	165	0.0232	0.0232	0.0213	0.0213										

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
219	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	16.2	70	3415	0.0241	0.0241	0.0221	3545	0.0248	0.0247	0.0227	3790	0.0251	0.0250	0.0230	3930	0.0249	0.0248	0.0228
220	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	70	3415	0.0241	0.0241	0.0221	3545	0.0248	0.0247	0.0227	3790	0.0251	0.0250	0.0230	3930	0.0249	0.0248	0.0228
221	9a_SB	Tuen Mun Road	SB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	70	3685	0.0269	0.0268	0.0247	3825	0.0267	0.0266	0.0245	4095	0.0271	0.0270	0.0248	4245	0.0293	0.0293	0.0269
222	9a_SB	Tuen Mun Road	SB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	70	3685	0.0269	0.0268	0.0247	3825	0.0267	0.0266	0.0245	4095	0.0271	0.0270	0.0248	4245	0.0293	0.0293	0.0269
223	9a_SB	Tuen Mun Road	SB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	70	3685	0.0269	0.0268	0.0247	3825	0.0267	0.0266	0.0245	4095	0.0271	0.0270	0.0248	4245	0.0293	0.0293	0.0269
224	9a_SB	Tuen Mun Road	SB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	70	3685	0.0269	0.0268	0.0247	3825	0.0267	0.0266	0.0245	4095	0.0271	0.0270	0.0248	4245	0.0293	0.0293	0.0269
225	9a_SB	Tuen Mun Road	SB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	70	3685	0.0269	0.0268	0.0247	3825	0.0267	0.0266	0.0245	4095	0.0271	0.0270	0.0248	4245	0.0293	0.0293	0.0269
226	9a_SB	Tuen Mun Road	SB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	70	3685	0.0269	0.0268	0.0247	3825	0.0267	0.0266	0.0245	4095	0.0271	0.0270	0.0248	4245	0.0293	0.0293	0.0269
227	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
228	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
229	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
230	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830830.8	2.0	816150.0	830790.6	4.0	Bridge	38	3.0	9.4	15.4	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
231	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816150.0	830790.6	4.0	816159.7	830750.9	2.0	Bridge	43	4.0	10.6	16.6	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
232	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816159.7	830750.9	2.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
233	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	70	765	0.0312	0.0312	0.0286	795	0.0305	0.0305	0.0281	855	0.0308	0.0308	0.0283	880	0.0303	0.0303	0.0278
237	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	50	630	0.0206	0.0206	0.0189	650	0.0201	0.0201	0.0184	690	0.0202	0.0202	0.0186	710	0.0197	0.0197	0.0181
238	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	50	630	0.0206	0.0206	0.0189	650	0.0201	0.0201	0.0184	690	0.0202	0.0202	0.0186	710	0.0197	0.0197	0.0181
239	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	50	630	0.0206	0.0206	0.0189	650	0.0201	0.0201	0.0184	690	0.0202	0.0202	0.0186	710	0.0197	0.0197	0.0181
240	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	50	630	0.0206	0.0206	0.0189	650	0.0201	0.0201	0.0184	690	0.0202	0.0202	0.0186	710	0.0197	0.0197	0.0181
241	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	50	630	0.0206	0.0206	0.0189	650	0.0201	0.0201	0.0184	690	0.0202	0.0202	0.0186	710	0.0197	0.0197	0.0181
242	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816006.2	830516.9	0.0	At Grade	115	0.0	8.9	14.9	50	280	0.0227	0.0226	0.0209	290	0.0221	0.0220	0.0202	305	0.0211	0.0210	0.0194	310	0.0208	0.0207	0.0191
243	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816006.2	830516.9	0.0	At Grade	52	0.0	10.2	16.2	50	280	0.0227	0.0226	0.0209	290	0.0221	0.0220	0.0202	305	0.0211	0.0210	0.0194	310	0.0208	0.0207	0.0191
244	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	70	840	0.0329	0.0328	0.0302	875	0.0328	0.0328	0.0302	935	0.0326	0.0325	0.0300	970	0.0325	0.0324	0.0298
245	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	70	840	0.0329	0.0328	0.0302	875	0.0328	0.0328	0.0302	935	0.0326	0.0325	0.0300	970	0.0325	0.0324	0.0298
246	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	70	840	0.0329	0.0328	0.0302	875	0.0328	0.0328	0.0302	935	0.0326	0.0325	0.0300	970	0.0325	0.0324	0.0298
247	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	70	840	0.0329	0.0328	0.0302	875	0.0328	0.0328	0.0302	935	0.0326	0.0325	0.0300	970	0.0325	0.0324	0.0298
248	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830748.8	3.2	Fill	81	4.9	4.4	10.4	70	840	0.0329	0.0328	0.0302	875	0.0328	0.0328	0.0302	935	0.0326	0.0325	0.0300	970	0.0325	0.0324	0.0298
249	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830748.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	70	840	0.0329	0.0328	0.0302	875	0.0328	0.0328	0.0302	935	0.0326	0.0325	0.0300	970	0.0325	0.0324	0.0298
250	9f_SB	Castle Peak Road - Lam Tei	SB	816182.2	830903.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	70	1215	0.0318	0.0318	0.0292	1255	0.0312	0.0312	0.0286	1340	0.0311	0.0311	0.0286	1385	0.0307	0.0307	0.0282
251	9f_SB	Castle Peak Road - Lam Tei	SB	816253.9	831045.3	0.0	816284.0	831104.9	0.0	At Grade	67	0.0	7.9	13.9	70	1215	0.0318	0.0318	0.0292												

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
324	28 NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
325	28 NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
326	28 NB	Tuen Fu Road	NB	816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
327	28 NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
328	28 NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
329	28 NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
330	28 NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
331	28 NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
332	28 NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
333	28 SB	Tuen Fu Road	SB	816234.3	830294.9	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
334	28 SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
335	28 SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.6	0.0	At Grade	63	0.0	4.3	10.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
336	28 SB	Tuen Fu Road	SB	816113.0	830248.6	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	10.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
337	28 SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
338	28 SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
339	28 SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
340	28 SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
341	29 EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	50	265	0.0465	0.0462	0.0425	270	0.0458	0.0456	0.0419	290	0.0436	0.0433	0.0399	295	0.0431	0.0428	0.0393
342	29 EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	50	265	0.0465	0.0462	0.0425	270	0.0458	0.0456	0.0419	290	0.0436	0.0433	0.0399	295	0.0431	0.0428	0.0393
343	29 WB	Tuen Kwai Road	WB	816339.7	830295.1	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	50	250	0.0454	0.0452	0.0416	255	0.0447	0.0445	0.0409	260	0.0443	0.0441	0.0405	275	0.0424	0.0421	0.0387
344	29 WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	50	250	0.0454	0.0452	0.0416	255	0.0447	0.0445	0.0409	260	0.0443	0.0441	0.0405	275	0.0424	0.0421	0.0387
345	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815883.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
346	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
347	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
348	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
349	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
350	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831260.8	0.0	815732.6	831260.8	0.0	At Grade	24	0.0	2.8	8.8	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
351	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831260.8	0.0	815732.6	831260.8	0.0	At Grade	24	0.0	2.8	8.8	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
352	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
353	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815752.7	831277.2	0.0	At Grade	37	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
354	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
355	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815787.0	831263.6	0.0	At Grade	22	0.0	2.9	8.9	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
356	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
357	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034		

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
430	40_NB	San Hing Road	NB	815833.6	830968.1	0.0	815852.9	831032.2	0.0	At Grade	67	0.0	2.3	8.3	50	65	0.0108	0.0107	0.0099	65	0.0108	0.0107	0.0099	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
431	40_NB			815852.9	831032.2	0.0	815859.5	831062.9	0.0	At Grade	31	0.0	2.4	8.4	50	65	0.0108	0.0107	0.0099	65	0.0108	0.0107	0.0099	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
432	40_NB			815859.5	831062.9	0.0	815869.0	831084.9	0.0	At Grade	24	0.0	2.4	8.4	50	65	0.0108	0.0107	0.0099	65	0.0108	0.0107	0.0099	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
433	40_NB			815869.0	831084.9	0.0	815882.1	831106.2	0.0	At Grade	25	0.0	2.1	8.1	50	65	0.0108	0.0107	0.0099	65	0.0108	0.0107	0.0099	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
434	40_NB	San Hing Road	SB	815882.1	831106.2	0.0	815901.6	831126.6	0.0	At Grade	28	0.0	3.6	9.6	50	65	0.0108	0.0107	0.0099	65	0.0108	0.0107	0.0099	70	0.0107	0.0105	0.0097	70	0.0107	0.0105	0.0097
435	40_SB			815902.5	831122.2	0.0	815884.0	831103.6	0.0	At Grade	26	0.0	4.1	10.1	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
436	40_SB			815884.0	831103.6	0.0	815870.5	831081.2	0.0	At Grade	26	0.0	4.0	10.0	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
437	40_SB			815870.5	831081.2	0.0	815862.8	831062.2	0.0	At Grade	21	0.0	3.5	9.5	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
438	40_SB	Slip road to Yuen Long Highway	NB	815862.8	831062.2	0.0	815855.6	831032.4	0.0	At Grade	31	0.0	3.4	9.4	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
439	40_SB			815855.6	831032.4	0.0	815837.5	830966.5	0.0	At Grade	68	0.0	3.8	9.8	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
440	41_NB			816186.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	80	710	0.0300	0.0300	0.0276	730	0.0293	0.0292	0.0269	780	0.0288	0.0287	0.0264	805	0.0280	0.0279	0.0257
441	41_NB			816203.3	830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	80	710	0.0300	0.0300	0.0276	730	0.0293	0.0292	0.0269	780	0.0288	0.0287	0.0264	805	0.0280	0.0279	0.0257
442	41_NB	Road L54B	NB	816230.4	830710.4	7.3	816254.4	830710.1	7.3	Fill	24	7.3	6.7	9.7	80	710	0.0300	0.0300	0.0276	730	0.0293	0.0292	0.0269	780	0.0288	0.0287	0.0264	805	0.0280	0.0279	0.0257
443	41_NB			816254.4	830710.1	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	80	710	0.0300	0.0300	0.0276	730	0.0293	0.0292	0.0269	780	0.0288	0.0287	0.0264	805	0.0280	0.0279	0.0257
444	41_NB			816295.3	830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	80	710	0.0300	0.0300	0.0276	730	0.0293	0.0292	0.0269	780	0.0288	0.0287	0.0264	805	0.0280	0.0279	0.0257
445	41_NB			816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	80	710	0.0300	0.0300	0.0276	730	0.0293	0.0292	0.0269	780	0.0288	0.0287	0.0264	805	0.0280	0.0279	0.0257
446	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
447	42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
448	42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
449	42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
450	42_SB	Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
451	42_SB			815490.6	830511.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
452	42_SB			815426.2	830477.1	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
453	42_SB			815386.5	830438.9	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
454	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
455	89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
456	89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
457	89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
458	89_WB	San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	50	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234
459	89_WB			814894.4	829990.9	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	50	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234
460	89_WB			814835.5	830030.6	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	50	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234
461	89_WB			814821.5	830033.1	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	50	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234	45	0.0255	0.0254	0.0234
462	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815643.3	830421.0	8.0	Fill	48	8.0	5.2	8.2	50	320	0.0458	0.0458	0.0421	325	0.0452	0.0452	0.0415	345	0.0495	0.0495	0.0455	365	0.0471	0.0471	0.0433
463	91_NB			815643.3	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	50	320	0.0458	0.0458	0.0421	325	0.0452	0.0452	0.0415	345	0.0495	0.0495	0.0455	365	0.0471	0.0471	0.0433
464	91_SB			815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	50	430	0.0352	0.0352	0.0324	440	0.0345	0.0345	0.0317	475	0.0394	0.0393	0.0361	495	0.0381	0.0380	

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	50	1330	0.0286	0.0286	0.0263	1400	0.0323	0.0322	0.0296	1525	0.0326	0.0325	0.0302	1535	0.0298	0.0323	0.0297
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	50	1010	0.0329	0.0328	0.0301	1100	0.0331	0.0330	0.0303	1105	0.0330	0.0329	0.0302	940	0.0336	0.0335	0.0308
3	1a		SB	816145.5	830696.2	0.0	816128.1	830634.6	0.0	At Grade	50	0.0	9.2	15.2	50	1010	0.0329	0.0328	0.0301	1100	0.0331	0.0330	0.0303	1105	0.0330	0.0329	0.0302	940	0.0336	0.0335	0.0308
4	1a		SB	816128.1	830696.2	0.0	816087.6	830634.6	0.0	At Grade	43	0.0	9.2	15.2	50	1010	0.0329	0.0328	0.0301	1100	0.0331	0.0330	0.0303	1105	0.0330	0.0329	0.0302	940	0.0336	0.0335	0.0308
5	1b	Slip Road from Castle Peak Road to Lam Tei Interchange	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	50	1315	0.0313	0.0312	0.0287	1435	0.0318	0.0317	0.0291	1445	0.0316	0.0315	0.0289	1225	0.0322	0.0321	0.0295
6	1b	Slip Road from Castle Peak Road to Lam Tei Interchange	EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	50	1315	0.0313	0.0312	0.0287	1435	0.0318	0.0317	0.0291	1445	0.0316	0.0315	0.0289	1225	0.0322	0.0321	0.0295
7	1b	Slip Road from Castle Peak Road to Lam Tei Interchange	EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	50	1315	0.0313	0.0312	0.0287	1435	0.0318	0.0317	0.0291	1445	0.0316	0.0315	0.0289	1225	0.0322	0.0321	0.0295
8	1b	Slip Road from Castle Peak Road to Lam Tei Interchange	WB	816087.6	830634.6	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	50	1025	0.0297	0.0296	0.0272	1120	0.0300	0.0299	0.0274	1125	0.0299	0.0298	0.0273	950	0.0303	0.0302	0.0277
9	1b	Slip Road from Castle Peak Road to Lam Tei Interchange	WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	50	1025	0.0297	0.0296	0.0272	1120	0.0300	0.0299	0.0274	1125	0.0299	0.0298	0.0273	950	0.0303	0.0302	0.0277
10	1b	Slip Road from Castle Peak Road to Lam Tei Interchange	WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	50	1025	0.0297	0.0296	0.0272	1120	0.0300	0.0299	0.0274	1125	0.0299	0.0298	0.0273	950	0.0303	0.0302	0.0277
11	1c	Slip Road from Castle Peak Road to Lam Tei Interchange	EB	815785.2	830739.3	0.0	815823.0	830741.6	0.0	At Grade	38	0.0	12.9	18.9	50	1395	0.0312	0.0311	0.0286	1520	0.0316	0.0315	0.0289	1530	0.0314	0.0313	0.0287	1300	0.0321	0.0320	0.0294
12	1c	Slip Road from Castle Peak Road to Lam Tei Interchange	EB	815823.0	830741.6	0.0	815870.6	830721.4	0.0	At Grade	52	0.0	10.5	16.5	50	1395	0.0312	0.0311	0.0286	1520	0.0316	0.0315	0.0289	1530	0.0314	0.0313	0.0287	1300	0.0321	0.0320	0.0294
13	1c	Slip Road from Castle Peak Road to Lam Tei Interchange	WB	815870.6	830721.4	0.0	815837.0	830724.7	0.0	At Grade	49	0.0	8.4	14.4	50	1030	0.0296	0.0295	0.0270	1125	0.0299	0.0297	0.0273	1130	0.0297	0.0296	0.0272	955	0.0301	0.0300	0.0276
14	1c	Slip Road from Castle Peak Road to Lam Tei Interchange	WB	815837.0	830724.7	0.0	815817.6	830723.9	0.0	At Grade	19	0.0	8.4	14.4	50	1030	0.0296	0.0295	0.0270	1125	0.0299	0.0297	0.0273	1130	0.0297	0.0296	0.0272	955	0.0301	0.0300	0.0276
15	1c	Slip Road from Castle Peak Road to Lam Tei Interchange	WB	815817.6	830723.9	0.0	815794.0	830726.9	0.0	At Grade	24	0.0	8.4	14.4	50	1030	0.0296	0.0295	0.0270	1125	0.0299	0.0297	0.0273	1130	0.0297	0.0296	0.0272	955	0.0301	0.0300	0.0276
16	1d	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	50	885	0.0337	0.0337	0.0310	960	0.0385	0.0384	0.0352	965	0.0383	0.0382	0.0351	810	0.0348	0.0348	0.0320
17	1d	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	50	885	0.0337	0.0337	0.0310	960	0.0385	0.0384	0.0352	965	0.0383	0.0382	0.0351	810	0.0348	0.0348	0.0320
18	1d	Slip Road from Castle Peak Road to Lam Tei Interchange	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	50	805	0.0336	0.0336	0.0309	870	0.0341	0.0341	0.0313	875	0.0339	0.0339	0.0311	740	0.0344	0.0344	0.0316
19	1d	Slip Road from Castle Peak Road to Lam Tei Interchange	SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	50	805	0.0336	0.0336	0.0309	870	0.0341	0.0341	0.0313	875	0.0339	0.0339	0.0311	740	0.0344	0.0344	0.0316
20	1d	Slip Road from Castle Peak Road to Lam Tei Interchange	SB	815724.7	830648.0	0.0	815708.1	830595.0	0.0	At Grade	55	0.0	6.5	9.5	50	805	0.0336	0.0336	0.0309	870	0.0341	0.0341	0.0313	875	0.0339	0.0339	0.0311	740	0.0344	0.0344	0.0316
21	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
22	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815667.2	830496.8	5.7	815675.0	830535.2	5.7	Fill	39	5.7	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
23	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815675.0	830535.2	5.7	815677.5	830548.7	5.7	Fill	12	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
24	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
25	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
26	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
27	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
28	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
29	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
30	1e	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	780	0.0318	0.0318	0.0293	845	0.0325	0.0324	0.0298	850	0.0323	0.0323	0.0297	720	0.0323	0.0323	0.0297
31	1f	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815708.1	830595.0	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	50	765	0.0308	0.0307	0.0283	820	0.0302	0.0302	0.0277	825	0.0300	0.0300	0.0276	700	0.0297	0.0297	0.0273
32	1f	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815702.8	830579.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	50	765	0.0308	0.0307	0.0283	820	0.0302	0.0302	0.0277	825	0.0300	0.0300	0.0276	700	0.0297	0.0297	0.0273
33	1f	Slip Road from Castle Peak Road to Lam Tei Interchange	NB	815702.8	830579.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	50	765	0.0308	0.0307	0.0283	820	0.0302	0.0302	0.0277	825	0.0300	0.03					

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
103	5c	EB	Hong Po Road	EB	814970.4	831091.1	0.0	815038.9	831126.3	0.0	At Grade	77	0.0	3.1	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
104	5c	EB	Hong Po Road	EB	815038.9	831126.3	0.0	815066.3	831136.7	0.0	At Grade	29	0.0	3.1	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
105	5c	EB	Hong Po Road	EB	815066.3	831136.7	0.0	815096.0	831137.3	0.0	At Grade	30	0.0	3.1	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
106	5c	EB	Hong Po Road	EB	815096.0	831136.7	0.0	815116.5	831127.3	0.0	At Grade	22	0.0	3.0	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
107	5c	EB	Hong Po Road	EB	815116.5	831136.7	0.0	815133.4	831113.7	0.0	At Grade	22	0.0	3.0	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
108	5c	EB	Hong Po Road	EB	815133.4	831136.7	0.0	815166.0	831060.3	0.0	At Grade	63	0.0	3.1	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
109	5c	EB	Hong Po Road	EB	815166.0	831060.3	0.0	815187.5	831039.1	0.0	At Grade	30	0.0	3.0	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
110	5c	EB	Hong Po Road	EB	815187.5	831039.1	0.0	815271.0	830993.7	0.0	At Grade	95	0.0	3.1	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
111	5c	EB	Hong Po Road	EB	815271.0	830993.7	0.0	815287.6	830988.7	0.0	At Grade	17	0.0	3.0	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
112	5c	EB	Hong Po Road	EB	815287.6	830988.7	0.0	815306.1	830989.3	0.0	At Grade	19	0.0	3.0	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
113	5c	EB	Hong Po Road	EB	815306.1	830989.3	0.0	815343.8	830995.5	0.0	At Grade	38	0.0	2.0	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
114	5c	EB	Hong Po Road	EB	815343.8	830995.5	0.0	815374.6	831005.5	0.0	At Grade	32	0.0	2.5	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
115	5c	EB	Hong Po Road	EB	815374.6	831005.5	0.0	815407.0	831024.0	0.0	At Grade	37	0.0	3.1	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
116	5c	EB	Hong Po Road	EB	815407.0	831024.0	0.0	815444.3	831029.0	0.0	At Grade	38	0.0	3.0	50	205	0.0231	0.0231	0.0212	220	0.0250	0.0249	0.0228	220	0.0250	0.0249	0.0228	185	0.0210	0.0210	0.0193
117	5c	WB	Hong Po Road	WB	815444.3	831029.0	0.0	815407.9	831021.5	0.0	At Grade	37	0.0	3.0	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
118	5c	WB	Hong Po Road	WB	815407.9	831021.5	0.0	815375.4	831002.6	0.0	At Grade	38	0.0	3.1	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
119	5c	WB	Hong Po Road	WB	815375.4	831002.6	0.0	815344.4	830992.9	0.0	At Grade	32	0.0	2.6	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
120	5c	WB	Hong Po Road	WB	815344.4	830992.9	0.0	815306.3	830986.7	0.0	At Grade	39	0.0	2.0	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
121	5c	WB	Hong Po Road	WB	815306.3	830986.7	0.0	815287.2	830981.3	0.0	At Grade	19	0.0	3.0	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
122	5c	WB	Hong Po Road	WB	815287.2	830981.3	0.0	815270.0	830991.3	0.0	At Grade	18	0.0	3.0	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
123	5c	WB	Hong Po Road	WB	815270.0	830991.3	0.0	815185.9	831036.6	0.0	At Grade	95	0.0	3.1	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
124	5c	WB	Hong Po Road	WB	815185.9	831036.6	0.0	815163.4	831058.6	0.0	At Grade	32	0.0	3.0	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
125	5c	WB	Hong Po Road	WB	815163.4	831058.6	0.0	815131.4	831112.0	0.0	At Grade	62	0.0	3.1	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
126	5c	WB	Hong Po Road	WB	815131.4	831112.0	0.0	815115.1	831125.0	0.0	At Grade	21	0.0	3.0	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
127	5c	WB	Hong Po Road	WB	815115.1	831125.0	0.0	815095.4	831132.7	0.0	At Grade	21	0.0	3.0	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
128	5c	WB	Hong Po Road	WB	815095.4	831132.7	0.0	815066.8	831134.1	0.0	At Grade	29	0.0	3.1	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
129	5c	WB	Hong Po Road	WB	815066.8	831134.1	0.0	815039.9	831123.9	0.0	At Grade	29	0.0	3.1	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
130	5c	WB	Hong Po Road	WB	815039.9	831123.9	0.0	814971.6	831087.8	0.0	At Grade	77	0.0	3.1	50	55	0.0267	0.0267	0.0245	60	0.0248	0.0248	0.0228	60	0.0248	0.0248	0.0228	55	0.0267	0.0267	0.0245
131	5e	NB	Hing Kwai Street	NB	814806.2	830307.2	0.0	814813.4	830383.7	0.0	At Grade	77	0.0	8.0	50	195	0.0241	0.0241	0.0221	210	0.0226	0.0225	0.0207	210	0.0226	0.0225	0.0207	180	0.0215	0.0215	0.0197
132	5e	NB	Hing Kwai Street	NB	814813.4	830307.2	0.0	814808.7	830411.2	0.0	At Grade	98	0.0	8.0	50	195	0.0241	0.0241	0.0221	210	0.0226	0.0225	0.0207	210	0.0226	0.0225	0.0207	180	0.0215	0.0215	0.0197
133	5e	SB	Hing Kwai Street	SB	814815.1	830483.2	0.0	814824.5	830405.3	0.0	At Grade	79	0.0	14.1	50	135	0.0199	0.0199	0.0183	140	0.0194	0.0193	0.0177	140	0.0194	0.0193	0.0177	125	0.0214	0.0213	0.0196
134	5e	SB	Hing Kwai Street	SB	814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	50	135	0.0199	0.0199	0.0183	140	0.0194	0.0193	0.0177	140	0.0194	0.0193	0.0177	125	0.0214	0.0213	0.0196
135	5f	NB	Hing Kwai Street	NB	814759.8	830215.9	0.0	814784.3	830252.9	0.0	At Grade	44	0.0	4.5	50	230	0.0224	0.0224	0.0206	250	0.0211	0.0211	0.0194	250	0.0211	0.0211	0.0194	215	0.0204	0.0204	0.0188
136	5f	NB	Hing Kwai Street	NB	814784.3	830252.9	0.0	814806.2	830307.2	0.0	At Grade	58	0.0	4.1	50	230	0.0224	0.0224	0.0206	250	0.0211	0.0211	0.0194	250	0.0211	0.0211	0.0194	215	0.0204	0.0204	0.0188
137	5f	SB	Hing Kw																												

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20				
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
219	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	16.2	70	4125	0.0248	0.0247	0.0228	4495	0.0273	0.0273	0.0251	4535	0.0273	0.0273	0.0272	0.0250	3830	0.0251	0.0250	0.0231
220	9a_NB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	23.2	70	4125	0.0248	0.0247	0.0228	4495	0.0273	0.0273	0.0251	4535	0.0273	0.0273	0.0272	0.0250	3830	0.0251	0.0250	0.0231
221	9a_SB	Tuen Mun Road	SB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	26.3	70	4455	0.0292	0.0292	0.0268	4850	0.0335	0.0335	0.0307	4895	0.0335	0.0335	0.0334	0.0307	4130	0.0270	0.0269	0.0248
222	9a_SB	Tuen Mun Road	SB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	70	4455	0.0292	0.0292	0.0268	4850	0.0335	0.0335	0.0307	4895	0.0335	0.0335	0.0334	0.0307	4130	0.0270	0.0269	0.0248
223	9a_SB	Tuen Mun Road	SB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	70	4455	0.0292	0.0292	0.0268	4850	0.0335	0.0335	0.0307	4895	0.0335	0.0335	0.0334	0.0307	4130	0.0270	0.0269	0.0248
224	9a_SB	Tuen Mun Road	SB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	70	4455	0.0292	0.0292	0.0268	4850	0.0335	0.0335	0.0307	4895	0.0335	0.0335	0.0334	0.0307	4130	0.0270	0.0269	0.0248
225	9a_SB	Tuen Mun Road	SB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	70	4455	0.0292	0.0292	0.0268	4850	0.0335	0.0335	0.0307	4895	0.0335	0.0335	0.0334	0.0307	4130	0.0270	0.0269	0.0248
226	9a_SB	Tuen Mun Road	SB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	70	4455	0.0292	0.0292	0.0268	4850	0.0335	0.0335	0.0307	4895	0.0335	0.0335	0.0334	0.0307	4130	0.0270	0.0269	0.0248
227	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
228	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
229	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
230	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830830.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
231	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
232	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
233	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	70	925	0.0301	0.0301	0.0276	1005	0.0300	0.0300	0.0275	1010	0.0298	0.0298	0.0298	0.0274	860	0.0306	0.0306	0.0281
237	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	50	760	0.0197	0.0197	0.0181	820	0.0224	0.0223	0.0205	825	0.0223	0.0222	0.0222	0.0204	695	0.0201	0.0201	0.0184
238	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	50	760	0.0197	0.0197	0.0181	820	0.0224	0.0223	0.0205	825	0.0223	0.0222	0.0222	0.0204	695	0.0201	0.0201	0.0184
239	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	50	760	0.0197	0.0197	0.0181	820	0.0224	0.0223	0.0205	825	0.0223	0.0222	0.0222	0.0204	695	0.0201	0.0201	0.0184
240	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	50	760	0.0197	0.0197	0.0181	820	0.0224	0.0223	0.0205	825	0.0223	0.0222	0.0222	0.0204	695	0.0201	0.0201	0.0184
241	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	50	760	0.0197	0.0197	0.0181	820	0.0224	0.0223	0.0205	825	0.0223	0.0222	0.0222	0.0204	695	0.0201	0.0201	0.0184
242	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816007.2	830511.0	0.0	At Grade	115	0.0	8.9	14.9	50	330	0.0217	0.0215	0.0199	355	0.0205	0.0204	0.0188	355	0.0205	0.0204	0.0204	0.0188	305	0.0211	0.0210	0.0194
243	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816007.2	830511.0	0.0	816007.2	830511.0	0.0	At Grade	52	0.0	10.2	16.2	50	330	0.0217	0.0215	0.0199	355	0.0205	0.0204	0.0188	355	0.0205	0.0204	0.0204	0.0188	305	0.0211	0.0210	0.0194
244	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	70	1020	0.0324	0.0323	0.0297	1105	0.0323	0.0323	0.0297	1110	0.0322	0.0321	0.0321	0.0296	945	0.0325	0.0325	0.0299
245	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	70	1020	0.0324	0.0323	0.0297	1105	0.0323	0.0323	0.0297	1110	0.0322	0.0321	0.0321	0.0296	945	0.0325	0.0325	0.0299
246	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816030.5	830605.2	6.5	Fill	55	5.4	6.7	12.7	70	1020	0.0324	0.0323	0.0297	1105	0.0323	0.0323	0.0297	1110	0.0322	0.0321	0.0321	0.0296	945	0.0325	0.0325	0.0299
247	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830605.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	70	1020	0.0324	0.0323	0.0297	1105	0.0323	0.0323	0.0297	1110	0.0322	0.0321	0.0321	0.0296	945	0.0325	0.0325	0.0299
248	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830749.8	3.2	Fill	81	4.9	4.4	10.4	70	1020	0.0324	0.0323	0.0297	1105	0.0323	0.0323	0.0297	1110	0.0322	0.0321	0.0321	0.0296	945	0.0325	0.0325	0.0299
249	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830749.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	70	1020	0.0324	0.0323	0.0297	1105	0.0323	0.0323	0.0297	1110	0.0322	0.0321	0.0321	0.0296	945	0.0325	0.0325	0.0299
250	9f_SB	Castle Peak Road - Lam Tei	SB	816182.2	83093.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4																		

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20					
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)		
324	28 NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
325	28 NB			816007.8	830259.5	0.0	816022.9	830260.7	0.0	At Grade	15	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
326	28 NB			816022.9	830260.7	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
327	28 NB			816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
328	28 NB			816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
329	28 NB			816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
330	28 NB			816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
331	28 NB			816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
332	28 NB			816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
333	28 SB			Tuen Fu Road	SB	816234.3	830294.9	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
334	28 SB					816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
335	28 SB					816163.8	830285.7	0.0	816113.0	830248.6	0.0	At Grade	63	0.0	4.3	10.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
336	28 SB					816113.0	830248.6	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	10.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
337	28 SB					816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088
338	28 SB	816023.8	830256.3			0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088		
339	28 SB	816011.7	830252.9			0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088		
340	28 SB	816000.9	830221.9			0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	50	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088	15	0.0097	0.0094	0.0088		
341	29 EB	Tuen Kwai Road	EB			816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	50	315	0.0452	0.0450	0.0413	335	0.0432	0.0430	0.0395	335	0.0432	0.0430	0.0395	290	0.0436	0.0433	0.0399
342	29 EB					816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	50	315	0.0452	0.0450	0.0413	335	0.0432	0.0430	0.0395	335	0.0432	0.0430	0.0395	290	0.0436	0.0433	0.0399
343	29 WB					816339.7	830301.6	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	50	290	0.0464	0.0461	0.0424	310	0.0442	0.0439	0.0404	310	0.0442	0.0439	0.0404	265	0.0437	0.0434	0.0400
344	29 WB	816291.8	830295.8			0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	50	290	0.0464	0.0461	0.0424	310	0.0442	0.0439	0.0404	310	0.0442	0.0439	0.0404	265	0.0437	0.0434	0.0400		
345	34 EB	Access Road to Chung Shan San Hing Tsuen	EB			815883.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
346	34 EB					815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
347	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
348	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
349	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
350	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
351	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
352	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
353	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
354	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
355	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
356	34 EB			815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031		
357	34 WB			Access Road to Chung Shan San Hing Tsuen	WB	815948.1	831194.3	0.0	815925.7	831237.1	0.0	At Grade	48	0.0	2.6	8.6	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
358	34 WB					815925.7	831194.3	0.0	815904.9	831260.1	0.0	At Grade	31	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031
359	34 WB	815904.9	831260.1			0.0	815882.3	831269.2	0.0	At Grade	24	0.0	3.8	9.8	50	5	0.																

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
430	40_NB	San Hing Road	NB	815833.6	830968.1	0.0	815852.9	831032.2	0.0	At Grade	67	0.0	2.3	8.3	50	80	0.0103	0.0101	0.0093	85	0.0102	0.0100	0.0093	85	0.0102	0.0100	0.0093	70	0.0107	0.0105	0.0097
431	40_NB			815852.9	831032.2	0.0	815859.5	831062.9	0.0	At Grade	31	0.0	2.4	8.4	50	80	0.0103	0.0101	0.0093	85	0.0102	0.0100	0.0093	85	0.0102	0.0100	0.0093	70	0.0107	0.0105	0.0097
432	40_NB			815859.5	831062.9	0.0	815869.0	831084.9	0.0	At Grade	24	0.0	2.4	8.4	50	80	0.0103	0.0101	0.0093	85	0.0102	0.0100	0.0093	85	0.0102	0.0100	0.0093	70	0.0107	0.0105	0.0097
433	40_NB			815869.0	831084.9	0.0	815882.1	831106.2	0.0	At Grade	25	0.0	2.1	8.1	50	80	0.0103	0.0101	0.0093	85	0.0102	0.0100	0.0093	85	0.0102	0.0100	0.0093	70	0.0107	0.0105	0.0097
434	40_NB			815882.1	831106.2	0.0	815901.6	831126.6	0.0	At Grade	28	0.0	3.6	9.6	50	80	0.0103	0.0101	0.0093	85	0.0102	0.0100	0.0093	85	0.0102	0.0100	0.0093	70	0.0107	0.0105	0.0097
435	40_SB	San Hing Road	SB	815902.5	831122.2	0.0	815884.0	831103.6	0.0	At Grade	26	0.0	4.1	10.1	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
436	40_SB			815884.0	831103.6	0.0	815870.5	831081.2	0.0	At Grade	26	0.0	4.0	10.0	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
437	40_SB			815870.5	831081.2	0.0	815862.8	831062.2	0.0	At Grade	21	0.0	3.5	9.5	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
438	40_SB			815862.8	831062.2	0.0	815855.6	831032.4	0.0	At Grade	31	0.0	3.4	9.4	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
439	40_SB			815855.6	831032.4	0.0	815837.5	830966.5	0.0	At Grade	68	0.0	3.8	9.8	50	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090	20	0.0100	0.0096	0.0090
440	41_NB	Slip road to Yuen Long Highway	NB	816186.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	80	850	0.0280	0.0279	0.0257	925	0.0283	0.0282	0.0260	930	0.0282	0.0281	0.0259	790	0.0284	0.0283	0.0261
441	41_NB			816203.3	830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	80	850	0.0280	0.0279	0.0257	925	0.0283	0.0282	0.0260	930	0.0282	0.0281	0.0259	790	0.0284	0.0283	0.0261
442	41_NB			816230.4	830710.4	7.3	816254.4	830710.1	7.3	Fill	24	7.3	6.7	9.7	80	850	0.0280	0.0279	0.0257	925	0.0283	0.0282	0.0260	930	0.0282	0.0281	0.0259	790	0.0284	0.0283	0.0261
443	41_NB			816254.4	830710.1	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	80	850	0.0280	0.0279	0.0257	925	0.0283	0.0282	0.0260	930	0.0282	0.0281	0.0259	790	0.0284	0.0283	0.0261
444	41_NB			816295.3	830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	80	850	0.0280	0.0279	0.0257	925	0.0283	0.0282	0.0260	930	0.0282	0.0281	0.0259	790	0.0284	0.0283	0.0261
445	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	80	850	0.0280	0.0279	0.0257	925	0.0283	0.0282	0.0260	930	0.0282	0.0281	0.0259	790	0.0284	0.0283	0.0261		
446	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
447	42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
448	42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
449	42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
450	42_SB	Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
451	42_SB			815490.6	830511.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
452	42_SB			815426.2	830477.1	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
453	42_SB			815386.5	830438.9	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	50	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114	25	0.0126	0.0122	0.0114
454	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
455	89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
456	89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
457	89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	50	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602	20	0.0655	0.0654	0.0602
458	89_WB	San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	50	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	45	0.0255	0.0254	0.0234
459	89_WB			814894.4	829990.9	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	50	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	45	0.0255	0.0254	0.0234
460	89_WB			814835.5	830030.6	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	50	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	45	0.0255	0.0254	0.0234
461	89_WB			814821.5	830033.1	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	50	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	50	0.0254	0.0254	0.0233	45	0.0255	0.0254	0.0234
462	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	50	380	0.0465	0.0465	0.0427	415	0.0479	0.0479	0.0440	415	0.0479	0.0479	0.0440	350	0.0488	0.0488	0.0449
463	91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	50	380	0.0465	0.0465	0.0427	415	0.0479	0.0479	0.0440	415	0.0479	0.0479	0.0440	350	0.0488	0.0488	0.0449
464	91_SB			815660.9	830465.0	0.0	815660.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	50	520	0.0402	0.0401	0.0368	560	0.0391	0.0390	0.0359	565	0.0388	0.0387	0.0356	475	0.0394	0.0393	0.0361

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 21				Hour 22				Hour 23				Hour 24			
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	50	1300	0.0292	0.0292	0.0268	1035	0.0278	0.0278	0.0256	935	0.0283	0.0282	0.0259	910	0.0289	0.0289	0.0266
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	50	745	0.0299	0.0299	0.0275	670	0.0292	0.0292	0.0268	660	0.0296	0.0296	0.0272	480	0.0278	0.0278	0.0255
3	1a		SB	816145.5	830696.2	0.0	816128.1	830636.4	0.0	At Grade	50	0.0	9.2	15.2	50	745	0.0299	0.0299	0.0275	670	0.0292	0.0292	0.0268	660	0.0296	0.0296	0.0272	480	0.0278	0.0278	0.0255
4	1a		SB	816128.1	830649.5	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	50	745	0.0299	0.0299	0.0275	670	0.0292	0.0292	0.0268	660	0.0296	0.0296	0.0272	480	0.0278	0.0278	0.0255
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	50	975	0.0315	0.0314	0.0288	880	0.0272	0.0271	0.0249	855	0.0278	0.0278	0.0255	630	0.0277	0.0277	0.0255
6	1b		EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	50	975	0.0315	0.0314	0.0288	880	0.0272	0.0271	0.0249	855	0.0278	0.0278	0.0255	630	0.0277	0.0277	0.0255
7	1b		EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	50	975	0.0315	0.0314	0.0288	880	0.0272	0.0271	0.0249	855	0.0278	0.0278	0.0255	630	0.0277	0.0277	0.0255
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	50	760	0.0270	0.0270	0.0248	695	0.0261	0.0261	0.0240	675	0.0268	0.0268	0.0246	480	0.0240	0.0240	0.0221
9	1b		WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	50	760	0.0270	0.0270	0.0248	695	0.0261	0.0261	0.0240	675	0.0268	0.0268	0.0246	480	0.0240	0.0240	0.0221
10	1b		WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	50	760	0.0270	0.0270	0.0248	695	0.0261	0.0261	0.0240	675	0.0268	0.0268	0.0246	480	0.0240	0.0240	0.0221
11	1c	Tsing Lun Road	EB	815785.2	830739.3	0.0	815823.0	830741.6	0.0	At Grade	38	0.0	12.9	18.9	50	1035	0.0315	0.0314	0.0289	930	0.0308	0.0307	0.0281	905	0.0276	0.0276	0.0253	660	0.0277	0.0277	0.0254
12	1c		EB	815823.0	830741.6	0.0	815870.6	830721.4	0.0	At Grade	52	0.0	10.5	16.5	50	1035	0.0315	0.0314	0.0289	930	0.0308	0.0307	0.0281	905	0.0276	0.0276	0.0253	660	0.0277	0.0277	0.0254
13	1c	Tsing Lun Road	WB	815883.6	830709.1	0.0	815837.0	830724.7	0.0	At Grade	49	0.0	8.4	14.4	50	760	0.0270	0.0270	0.0248	695	0.0261	0.0261	0.0240	675	0.0267	0.0267	0.0245	480	0.0240	0.0240	0.0221
14	1c		WB	815837.0	830724.7	0.0	815817.6	830723.9	0.0	At Grade	19	0.0	8.4	14.4	50	760	0.0270	0.0270	0.0248	695	0.0261	0.0261	0.0240	675	0.0267	0.0267	0.0245	480	0.0240	0.0240	0.0221
15	1c		WB	815817.6	830723.9	0.0	815794.0	830726.9	0.0	At Grade	24	0.0	8.4	14.4	50	760	0.0270	0.0270	0.0248	695	0.0261	0.0261	0.0240	675	0.0267	0.0267	0.0245	480	0.0240	0.0240	0.0221
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	50	650	0.0321	0.0321	0.0295	590	0.0341	0.0341	0.0314	565	0.0343	0.0343	0.0315	410	0.0322	0.0322	0.0296
17	1d		NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	50	650	0.0321	0.0321	0.0295	590	0.0341	0.0341	0.0314	565	0.0343	0.0343	0.0315	410	0.0322	0.0322	0.0296
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	50	600	0.0339	0.0339	0.0312	535	0.0331	0.0331	0.0304	520	0.0340	0.0340	0.0312	380	0.0345	0.0345	0.0317
19	1d		SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	50	600	0.0339	0.0339	0.0312	535	0.0331	0.0331	0.0304	520	0.0340	0.0340	0.0312	380	0.0345	0.0345	0.0317
20	1d		SB	815724.7	830648.0	8.0	815708.1	830595.1	8.0	Fill	55	8.0	6.5	9.5	50	600	0.0339	0.0339	0.0312	535	0.0331	0.0331	0.0304	520	0.0340	0.0340	0.0312	380	0.0345	0.0345	0.0317
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	50	575	0.0316	0.0316	0.0290	525	0.0323	0.0323	0.0297	505	0.0333	0.0333	0.0306	365	0.0337	0.0336	0.0309
22	1e		NB	815667.2	830496.8	5.7	815675.5	830535.2	5.7	Fill	39	5.7	6.3	9.3	50	575	0.0316	0.0316	0.0290	525	0.0323	0.0323	0.0297	505	0.0333	0.0333	0.0306	365	0.0337	0.0336	0.0309
23	1e		NB	815675.5	830535.2	5.7	815677.5	830548.7	5.1	Fill	12	5.1	6.3	9.3	50	575	0.0316	0.0316	0.0290	525	0.0323	0.0323	0.0297	505	0.0333	0.0333	0.0306	365	0.0337	0.0336	0.0309
24	1e		NB	815677.5	830548.7	5.1	815673.8	830560.8	5.1	Fill	13	5.1	6.3	9.3	50	575	0.0316	0.0316	0.0290	525	0.0323	0.0323	0.0297	505	0.0333	0.0333	0.0306	365	0.0337	0.0336	0.0309
25	1e		NB	815673.8	830560.8	5.1	815695.1	830598.3	0.0	At Grade	18	0.0	6.3	12.3	50	575	0.0316	0.0316	0.0290	525	0.0323	0.0323	0.0297	505	0.0333	0.0333	0.0306	365	0.0337	0.0336	0.0309
26	1e	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	50	560	0.0297	0.0297	0.0273	510	0.0306	0.0306	0.0281	495	0.0314	0.0314	0.0288	350	0.0275	0.0274	0.0252
27	1e		SB	815702.8	830595.1	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.2	9.2	50	560	0.0297	0.0297	0.0273	510	0.0306	0.0306	0.0281	495	0.0314	0.0314	0.0288	350	0.0275	0.0274	0.0252
28	1e		SB	815677.5	830560.8	5.1	815673.8	830548.7	5.1	Fill	12	5.1	6.2	9.2	50	560	0.0297	0.0297	0.0273	510	0.0306	0.0306	0.0281	495	0.0314	0.0314	0.0288	350	0.0275	0.0274	0.0252
29	1e		SB	815673.8	830548.7	5.1	815675.5	830535.2	5.7	Fill	39	5.7	6.2	9.2	50	560	0.0297	0.0297	0.0273	510	0.0306	0.0306	0.0281	495	0.0314	0.0314	0.0288	350	0.0275	0.0274	0.0252
30	1e		SB	815675.5	830535.2	5.7	815677.5	830548.7	5.1	Fill	12	5.1	6.2	9.2	50	560	0.0297	0.0297	0.0273	510	0.0306	0.0306	0.0281	495	0.0314	0.0314	0.0288	350	0.0275	0.0274	0.0252
31	1f	Tsing Lun Road	NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	46	0.0	3.9	9.9	50	285	0.0477	0.0477	0.0439	250	0.0467	0.0467	0.0429	245	0.0476	0.0476	0.0437	175	0.0472	0.0472	0.0434
32	1f		NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	27	0.0	3.8	9.8	50	285	0.0477	0.0477	0.0439	250	0.0467	0.0467	0.0429	245	0.0476	0.0476	0.0437	175	0.0472	0.0472	0.0434
33	1f		NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	46	0.0	3.9	9.9	50	285	0.0477	0.0477	0.0439	250	0.0467	0.0467	0.0429	245	0.0476	0.0476	0.0437	175	0.0472	0.0472	0.0434
34	1f	Tsing Lun Road	SB	815647.1	830375.3	0.0	815635.1	830327.4	0.0	At Grade	49	0.0	3.5	9.5	50	380	0.0339	0.0338	0.0311	340	0.0361	0.0361	0.0331	335	0.0365	0.0365	0.0336	235	0.0302	0.0302	0.0278
3																															

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Speed limit (kph), Traffic Flows (VPH), Weighted TSP EF (g/veh/mile), Weighted RSP EF (g/veh/mile), Weighted FSP EF (g/veh/mile), Hour 21 Traffic Flows (VPH), Hour 21 Weighted TSP EF (g/veh/mile), Hour 21 Weighted RSP EF (g/veh/mile), Hour 21 Weighted FSP EF (g/veh/mile), Hour 22 Traffic Flows (VPH), Hour 22 Weighted TSP EF (g/veh/mile), Hour 22 Weighted RSP EF (g/veh/mile), Hour 22 Weighted FSP EF (g/veh/mile), Hour 23 Traffic Flows (VPH), Hour 23 Weighted TSP EF (g/veh/mile), Hour 23 Weighted RSP EF (g/veh/mile), Hour 23 Weighted FSP EF (g/veh/mile), Hour 24 Traffic Flows (VPH), Hour 24 Weighted TSP EF (g/veh/mile), Hour 24 Weighted RSP EF (g/veh/mile), Hour 24 Weighted FSP EF (g/veh/mile).

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Hour 21				Hour 22				Hour 23				Hour 24				
																Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
219	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	16.2	70	3055	0.0242	0.0242	0.0222	2760	0.0242	0.0242	0.0222	2655	0.0244	0.0244	0.0224	1970	0.0237	0.0237	0.0218	0.0218
220	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	70	3055	0.0242	0.0242	0.0222	2760	0.0242	0.0242	0.0222	2655	0.0244	0.0244	0.0224	1970	0.0237	0.0237	0.0218	0.0218
221	9a_SB	Tuen Mun Road	SB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	70	3285	0.0259	0.0259	0.0237	2980	0.0263	0.0262	0.0241	2870	0.0264	0.0264	0.0243	2120	0.0252	0.0251	0.0231	0.0231
222	9a_SB	Tuen Mun Road	SB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	70	3285	0.0259	0.0259	0.0237	2980	0.0263	0.0262	0.0241	2870	0.0264	0.0264	0.0243	2120	0.0252	0.0251	0.0231	0.0231
223	9a_SB	Tuen Mun Road	SB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	70	3285	0.0259	0.0259	0.0237	2980	0.0263	0.0262	0.0241	2870	0.0264	0.0264	0.0243	2120	0.0252	0.0251	0.0231	0.0231
224	9a_SB	Tuen Mun Road	SB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	70	3285	0.0259	0.0259	0.0237	2980	0.0263	0.0262	0.0241	2870	0.0264	0.0264	0.0243	2120	0.0252	0.0251	0.0231	0.0231
225	9a_SB	Tuen Mun Road	SB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	70	3285	0.0259	0.0259	0.0237	2980	0.0263	0.0262	0.0241	2870	0.0264	0.0264	0.0243	2120	0.0252	0.0251	0.0231	0.0231
226	9a_SB	Tuen Mun Road	SB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	70	3285	0.0259	0.0259	0.0237	2980	0.0263	0.0262	0.0241	2870	0.0264	0.0264	0.0243	2120	0.0252	0.0251	0.0231	0.0231
227	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	830903.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
228	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
229	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830850.8	2.0	Bridge	36	1.6	9.0	15.0	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
230	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830850.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
231	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
232	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
233	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	70	685	0.0297	0.0297	0.0273	625	0.0306	0.0306	0.0281	595	0.0304	0.0304	0.0279	430	0.0283	0.0283	0.0260	0.0260
237	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	50	560	0.0189	0.0189	0.0173	495	0.0184	0.0184	0.0169	480	0.0189	0.0189	0.0174	355	0.0195	0.0194	0.0179	0.0179
238	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	50	560	0.0189	0.0189	0.0173	495	0.0184	0.0184	0.0169	480	0.0189	0.0189	0.0174	355	0.0195	0.0194	0.0179	0.0179
239	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	50	560	0.0189	0.0189	0.0173	495	0.0184	0.0184	0.0169	480	0.0189	0.0189	0.0174	355	0.0195	0.0194	0.0179	0.0179
240	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	50	560	0.0189	0.0189	0.0173	495	0.0184	0.0184	0.0169	480	0.0189	0.0189	0.0174	355	0.0195	0.0194	0.0179	0.0179
241	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	50	560	0.0189	0.0189	0.0173	495	0.0184	0.0184	0.0169	480	0.0189	0.0189	0.0174	355	0.0195	0.0194	0.0179	0.0179
242	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816006.2	830516.9	0.0	At Grade	115	0.0	8.9	14.9	50	235	0.0207	0.0206	0.0190	220	0.0220	0.0219	0.0201	215	0.0224	0.0223	0.0205	150	0.0170	0.0169	0.0156	0.0156
243	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816006.2	830516.9	0.0	At Grade	52	0.0	10.2	16.2	50	235	0.0207	0.0206	0.0190	220	0.0220	0.0219	0.0201	215	0.0224	0.0223	0.0205	150	0.0170	0.0169	0.0156	0.0156
244	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	70	755	0.0324	0.0324	0.0298	685	0.0326	0.0325	0.0299	655	0.0325	0.0324	0.0299	475	0.0320	0.0320	0.0294	0.0294
245	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	70	755	0.0324	0.0324	0.0298	685	0.0326	0.0325	0.0299	655	0.0325	0.0324	0.0299	475	0.0320	0.0320	0.0294	0.0294
246	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	70	755	0.0324	0.0324	0.0298	685	0.0326	0.0325	0.0299	655	0.0325	0.0324	0.0299	475	0.0320	0.0320	0.0294	0.0294
247	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	70	755	0.0324	0.0324	0.0298	685	0.0326	0.0325	0.0299	655	0.0325	0.0324	0.0299	475	0.0320	0.0320	0.0294	0.0294
248	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830748.8	3.2	Fill	81	4.9	4.4	10.4	70	755	0.0324	0.0324	0.0298	685	0.0326	0.0325	0.0299	655	0.0325	0.0324	0.0299	475	0.0320	0.0320	0.0294	0.0294
249	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830748.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	70	755	0.0324	0.0324	0.0298	685	0.0326	0.0325	0.0299	655	0.0325	0.0324	0.0299	475	0.0320	0.0320	0.0294	0.0294
250	9f_NB	Castle Peak Road - Lam Tei	SB	816182.2	830903.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	70	1075	0.0303															

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	Hour 21										Hour 22				Hour 23				Hour 24															
				X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)						
324	28 NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
325	28 NB			816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
326	28 NB			816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
327	28 NB			816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
328	28 NB			816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
329	28 NB			816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
330	28 NB			816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
331	28 NB			816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
332	28 NB			816182.0	830298.6	0.0	816234.0	830300.9	0.0	At Grade	52	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
333	28 SB			Tuen Fu Road	SB	816234.0	830294.9	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031
334	28 SB					816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031
335	28 SB					816163.8	830285.7	0.0	816113.0	830246.6	0.0	At Grade	63	0.0	4.3	10.3	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031
336	28 SB					816113.0	830246.6	0.0	816077.3	830256.3	0.0	At Grade	36	0.0	4.3	10.3	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031
337	28 SB					816077.3	830256.3	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031
338	28 SB	816023.8	830256.3			0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031		
339	28 SB	816011.7	830252.9			0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031		
340	28 SB	816000.9	830221.9			0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	50	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	10	0.0017	0.0016	0.0015	5	0.0034	0.0032	0.0031		
341	29 EB	Tuen Kwai Road	EB			816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	50	235	0.0438	0.0435	0.0400	215	0.0470	0.0468	0.0430	210	0.0470	0.0468	0.0430	210	0.0470	0.0468	0.0430	130	0.0324	0.0322	0.0296
342	29 EB					816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	50	235	0.0438	0.0435	0.0400	215	0.0470	0.0468	0.0430	210	0.0470	0.0468	0.0430	210	0.0470	0.0468	0.0430	130	0.0324	0.0322	0.0296
343	29 WB					816339.7	830301.6	0.0	816333.2	830295.1	0.0	At Grade	41	0.0	5.3	11.3	50	210	0.0361	0.0359	0.0331	190	0.0392	0.0390	0.0359	185	0.0400	0.0398	0.0367	130	0.0395	0.0393	0.0362				
344	29 WB					816333.2	830295.1	0.0	816291.8	830294.9	0.0	At Grade	58	0.0	6.5	12.5	50	210	0.0361	0.0359	0.0331	190	0.0392	0.0390	0.0359	185	0.0400	0.0398	0.0367	130	0.0395	0.0393	0.0362				
345	34 EB	Access Road to Chung Shan San Hing Tsuen	EB			815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000
346	34 EB					815628.0	831272.3	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.3	8.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000
347	34 EB			815628.0	831272.3	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
348	34 EB			815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
349	34 EB			815732.6	831264.3	0.0	815732.6	831272.2	0.0	At Grade	24	0.0	2.8	8.8	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
350	34 EB			815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	37	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
351	34 EB			815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	22	0.0	2.9	8.9	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
352	34 EB			815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	16	0.0	4.0	10.0	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
353	34 EB			815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	39	0.0	3.3	9.3	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
354	34 EB			815824.2	831262.3	0.0	815856.2	831281.5	0.0	At Grade	54	0.0	4.2	10.2	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	0	0.0000	0.0000	0.0000		
355	34 EB			815856.2	831281.5	0.0	815905.6	831283.8	0.0	At Grade	32	0.0	3.7	9.7	50	5	0.0034	0.0032	0.0031	5	0.0034	0.0032	0.0031	5	0.0034	0.0032											

Emission Inventory of Open Roads for Construction Period 1 (i.e. Phase 1-7)

Index	Road Label	Road Name	Direction	Hour 21					Hour 22					Hour 23					Hour 24												
				X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Speed limit (kph)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
430	40_NB	San Hing Road	NB	815833.6	830968.1	0.0	815852.9	831032.2	0.0	At Grade	67	0.0	2.3	8.3	50	60	0.0098	0.0096	0.0089	50	0.0143	0.0140	0.0130	50	0.0143	0.0140	0.0130	35	0.0099	0.0095	0.0089
431	40_NB			815852.9	831032.2	0.0	815859.5	831062.9	0.0	At Grade	31	0.0	2.4	8.4	50	60	0.0098	0.0096	0.0089	50	0.0143	0.0140	0.0130	50	0.0143	0.0140	0.0130	35	0.0099	0.0095	0.0089
432	40_NB			815859.5	831062.9	0.0	815869.0	831084.9	0.0	At Grade	24	0.0	2.4	8.4	50	60	0.0098	0.0096	0.0089	50	0.0143	0.0140	0.0130	50	0.0143	0.0140	0.0130	35	0.0099	0.0095	0.0089
433	40_NB			815869.0	831084.9	0.0	815882.1	831106.2	0.0	At Grade	25	0.0	2.1	8.1	50	60	0.0098	0.0096	0.0089	50	0.0143	0.0140	0.0130	50	0.0143	0.0140	0.0130	35	0.0099	0.0095	0.0089
434	40_NB			815882.1	831106.2	0.0	815901.6	831126.6	0.0	At Grade	28	0.0	3.6	9.6	50	60	0.0098	0.0096	0.0089	50	0.0143	0.0140	0.0130	50	0.0143	0.0140	0.0130	35	0.0099	0.0095	0.0089
435	40_SB	San Hing Road	SB	815902.5	831122.2	0.0	815884.0	831103.6	0.0	At Grade	26	0.0	4.1	10.1	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
436	40_SB			815884.0	831103.6	0.0	815870.5	831081.2	0.0	At Grade	26	0.0	4.0	10.0	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
437	40_SB			815870.5	831081.2	0.0	815862.8	831062.2	0.0	At Grade	21	0.0	3.5	9.5	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
438	40_SB			815862.8	831062.2	0.0	815855.6	831032.4	0.0	At Grade	31	0.0	3.4	9.4	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
439	40_SB			815855.6	831032.4	0.0	815837.5	830966.5	0.0	At Grade	68	0.0	3.8	9.8	50	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	15	0.0023	0.0021	0.0020	5	0.0034	0.0032	0.0031
440	41_NB	Slip road to Yuen Long Highway	NB	816186.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	80	630	0.0274	0.0273	0.0251	570	0.0290	0.0289	0.0266	550	0.0288	0.0287	0.0264	400	0.0294	0.0293	0.0270
441	41_NB			816203.3	830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	80	630	0.0274	0.0273	0.0251	570	0.0290	0.0289	0.0266	550	0.0288	0.0287	0.0264	400	0.0294	0.0293	0.0270
442	41_NB			816230.4	830710.4	7.3	816254.4	830710.1	7.3	Fill	24	7.3	6.7	9.7	80	630	0.0274	0.0273	0.0251	570	0.0290	0.0289	0.0266	550	0.0288	0.0287	0.0264	400	0.0294	0.0293	0.0270
443	41_NB			816254.4	830710.1	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	80	630	0.0274	0.0273	0.0251	570	0.0290	0.0289	0.0266	550	0.0288	0.0287	0.0264	400	0.0294	0.0293	0.0270
444	41_NB			816295.3	830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	80	630	0.0274	0.0273	0.0251	570	0.0290	0.0289	0.0266	550	0.0288	0.0287	0.0264	400	0.0294	0.0293	0.0270
445	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	80	630	0.0274	0.0273	0.0251	570	0.0290	0.0289	0.0266	550	0.0288	0.0287	0.0264	400	0.0294	0.0293	0.0270		
446	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
447	42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
448	42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
449	42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
450	42_SB	Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
451	42_SB			815490.6	830511.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
452	42_SB			815426.2	830477.1	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
453	42_SB			815386.5	830438.9	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	50	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	20	0.0055	0.0054	0.0050	5	0.0034	0.0032	0.0031
454	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	50	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	5	0.0034	0.0032	0.0031
455	89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	50	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	5	0.0034	0.0032	0.0031
456	89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	50	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	5	0.0034	0.0032	0.0031
457	89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	50	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	15	0.0862	0.0862	0.0793	5	0.0034	0.0032	0.0031
458	89_WB			814924.8	829992.7	0.0	814918.1	829990.3	0.0	At Grade	24	0.0	2.8	8.8	50	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	15	0.0073	0.0072	0.0067
459	89_WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	71	0.0	2.8	8.8	50	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	15	0.0073	0.0072	0.0067		
460	89_WB	814894.4	829990.9	0.0	814835.5	830030.6	0.0	At Grade	14	0.0	3.3	9.3	50	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	15	0.0073	0.0072	0.0067		
461	89_WB	814835.5	830030.6	0.0	814821.5	830033.1	0.0	At Grade	19	0.0	3.6	9.6	50	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	35	0.0301	0.0300	0.0277	15	0.0073	0.0072	0.0067		
462	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.3	830421.0	8.0	Fill	48	8.0	5.2	8.2	50	285	0.0442	0.0441	0.0406	250	0.0432	0.0431	0.0397	245	0.0440	0.0439	0.0404	175	0.0437	0.0436	0.0402
463	91_NB			815644.3	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	50	285	0.0442	0.0441	0.0406	250	0.0432	0.0431	0.0397	245	0.0440	0.0439	0.0404	175	0.0437	0.0436	0.0402
464	91_SB			815655.9	830463.7	8.0	815660.9	830445.0	8.0	At Grade	20	0.0	6.4	12.4	50	380	0.0339	0.0338	0.0311	340	0.0361	0.0361	0.0331	335	0.0365	0.0365	0.0336	235	0.0302	0.0302	0.0278
465	91_SB	815660.9	830445.0	8.0	815656.9	830376.0</																									

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 1			Hour 2			Hour 3			Hour 4					
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
1	1a_NB	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	N	50	395	0.0264	0.0263	0.0242	265	0.0257	0.0256	0.0235	195	0.0232	0.0231	0.0212	150	0.0243	0.0242	0.0223
2	1a_SB	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	N	50	370	0.0290	0.0290	0.0266	250	0.0318	0.0317	0.0291	180	0.0250	0.0249	0.0228	140	0.0258	0.0257	0.0236
3	1a_SB			816145.5	830696.2	0.0	816128.1	830649.5	0.0	At Grade	50	0.0	9.2	15.2	N	50	370	0.0290	0.0290	0.0266	250	0.0318	0.0317	0.0291	180	0.0250	0.0249	0.0228	140	0.0258	0.0257	0.0236
4	1a_SB			816128.1	830649.5	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	N	50	370	0.0290	0.0290	0.0266	250	0.0318	0.0317	0.0291	180	0.0250	0.0249	0.0228	140	0.0258	0.0257	0.0236
5	1b_EB	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	N	50	545	0.0220	0.0219	0.0201	380	0.0246	0.0245	0.0225	265	0.0214	0.0213	0.0196	205	0.0229	0.0228	0.0210
6	1b_EB			815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	N	50	545	0.0220	0.0219	0.0201	380	0.0246	0.0245	0.0225	265	0.0214	0.0213	0.0196	205	0.0229	0.0228	0.0210
7	1b_EB			816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	N	50	545	0.0220	0.0219	0.0201	380	0.0246	0.0245	0.0225	265	0.0214	0.0213	0.0196	205	0.0229	0.0228	0.0210
8	1b_WB	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	N	50	455	0.0253	0.0252	0.0231	315	0.0237	0.0236	0.0217	220	0.0227	0.0226	0.0208	160	0.0218	0.0217	0.0200
9	1b_WB			816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	N	50	455	0.0253	0.0252	0.0231	315	0.0237	0.0236	0.0217	220	0.0227	0.0226	0.0208	160	0.0218	0.0217	0.0200
10	1b_WB			815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	N	50	455	0.0253	0.0252	0.0231	315	0.0237	0.0236	0.0217	220	0.0227	0.0226	0.0208	160	0.0218	0.0217	0.0200
11	1c_EB	Tsing Lun Road	EB	815785.2	830739.3	8.0	815823.0	830741.6	8.0	Fill	38	8.0	12.9	15.9	N	50	555	0.0232	0.0232	0.0213	390	0.0261	0.0260	0.0239	265	0.0227	0.0226	0.0208	215	0.0232	0.0231	0.0212
12	1c_EB			815823.0	830741.6	8.0	815970.6	830721.4	8.0	Fill	52	8.0	10.5	10.5	N	50	555	0.0232	0.0232	0.0213	390	0.0261	0.0260	0.0239	265	0.0227	0.0226	0.0208	215	0.0232	0.0231	0.0212
13	1c_WB	Tsing Lun Road	WB	815883.0	830709.1	6.4	815837.0	830723.9	6.4	Fill	49	6.4	8.4	8.4	N	50	445	0.0247	0.0246	0.0226	300	0.0223	0.0222	0.0204	220	0.0227	0.0226	0.0208	160	0.0218	0.0217	0.0200
14	1c_WB			815837.0	830723.9	6.4	815817.6	830723.9	6.4	Fill	19	6.4	8.4	8.4	N	50	445	0.0247	0.0246	0.0226	300	0.0223	0.0222	0.0204	220	0.0227	0.0226	0.0208	160	0.0218	0.0217	0.0200
15	1c_WB			815817.6	830723.9	6.4	815794.0	830726.9	6.4	At Grade	24	0.0	8.4	14.4	N	50	445	0.0247	0.0246	0.0226	300	0.0223	0.0222	0.0204	220	0.0227	0.0226	0.0208	160	0.0218	0.0217	0.0200
16	1d_NB	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	N	50	275	0.0280	0.0279	0.0257	200	0.0283	0.0282	0.0259	145	0.0250	0.0250	0.0229	110	0.0304	0.0303	0.0278
17	1d_NB			815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	N	50	275	0.0280	0.0279	0.0257	200	0.0283	0.0282	0.0259	145	0.0250	0.0250	0.0229	110	0.0304	0.0303	0.0278
18	1d_SB	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	N	50	260	0.0295	0.0294	0.0270	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
19	1d_SB			815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	N	50	260	0.0295	0.0294	0.0270	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
20	1d_SB			815724.7	830648.0	0.0	815708.1	830595.1	0.0	Fill	55	8.0	6.5	9.5	N	50	260	0.0295	0.0294	0.0270	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
21	1e_NB	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	N	50	255	0.0298	0.0297	0.0273	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
22	1e_NB			815667.2	830496.8	5.7	815675.0	830535.2	5.7	Fill	39	5.7	6.3	9.3	N	50	255	0.0298	0.0297	0.0273	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
23	1e_NB			815675.0	830535.2	5.7	815673.5	830548.7	5.1	Fill	12	5.1	6.3	9.3	N	50	255	0.0298	0.0297	0.0273	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
24	1e_NB			815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	N	50	255	0.0298	0.0297	0.0273	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
25	1e_NB			815677.5	830560.8	5.1	815700.7	830598.3	0.0	At Grade	18	0.0	6.3	12.3	N	50	255	0.0298	0.0297	0.0273	175	0.0243	0.0242	0.0222	130	0.0272	0.0271	0.0249	95	0.0272	0.0271	0.0249
26	1e_SB	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	245	0.0252	0.0251	0.0231	170	0.0249	0.0248	0.0228	125	0.0281	0.0281	0.0258	90	0.0285	0.0285	0.0261
27	1e_SB			815702.8	830579.1	0.0	815677.5	830548.7	5.1	Fill	13	5.1	6.2	9.2	N	50	245	0.0252	0.0251	0.0231	170	0.0249	0.0248	0.0228	125	0.0281	0.0281	0.0258	90	0.0285	0.0285	0.0261
28	1e_SB			815677.5	830548.7	5.1	815675.0	830535.2	5.7	Fill	12	5.1	6.2	9.2	N	50	245	0.0252	0.0251	0.0231	170	0.0249	0.0248	0.0228	125	0.0281	0.0281	0.0258	90	0.0285	0.0285	0.0261
29	1e_SB			815675.0	830535.2	5.7	815673.5	830548.7	5.1	Fill	39	5.7	6.2	9.2	N	50	245	0.0252	0.0251	0.0231	170	0.0249	0.0248	0.0228	125	0.0281	0.0281	0.0258	90	0.0285	0.0285	0.0261
30	1e_SB			815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	34	0.0	6.2	12.2	N	50	245	0.0252	0.0251	0.0231	170	0.0249	0.0248	0.0228	125	0.0281	0.0281	0.0258	90	0.0285	0.0285	0.0261
31	1f_NB	Tsing Lun Road	NB	815631.9	830282.5	0.0	815627.7	830301.3	0.0	At Grade	39	0.0	3.9	9.9	N	50	130	0.0451	0.0450	0.0414	85	0.0385	0.0385	0.0353	60	0.0400	0.0399	0.0367	40	0.0497	0.0497	0.0456
32	1f_NB			815627.7	830301.3	0.0	815631.3	830328.2	0.0	At Grade	27	0.0	3.8	9.8	N	50	130	0.0451	0.0450	0.0414	85	0.0385	0.0385	0.0353	60	0.0400	0.0399	0.0367	40	0.0497	0.0497	0.0456
33	1f_NB			815631.3	830328.2	0.0	815643.3	830372.6	0.0	At Grade	46	0.0	3.9	9.9	N	50	130	0.0451	0.0450	0.0414	85	0.0385	0.0385	0.0353	60	0.0400	0.0399	0.0367	40	0.0497	0.0497	0.0456
34	1f_SB	Tsing Lun Road	SB	815647.1	830375.3	0.0	815635.1	830327.4	0.0	At Grade	49	0.0	3.5	9.5	N																	

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + LR Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 1				Hour 2				Hour 3				Hour 4			
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)
113	5d_NB			814809.0	830473.3	0.0	814796.2	830515.6	0.0	At Grade	44	0.0	4.6	10.6	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
114	5d_NB			814796.2	830515.6	0.0	814755.0	830639.0	0.0	At Grade	130	0.0	3.7	9.7	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
115	5d_NB			814755.0	830639.0	0.0	814739.7	830705.2	0.0	At Grade	68	0.0	3.8	9.8	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
116	5d_NB			814739.7	830705.2	0.0	814742.1	830740.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
117	5d_NB			814742.1	830740.3	0.0	814750.4	830766.3	0.0	At Grade	27	0.0	4.0	10.0	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
118	5d_NB			814750.4	830766.3	0.0	814770.6	830797.5	0.0	At Grade	37	0.0	4.0	10.0	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
119	5d_NB			814770.6	830797.5	0.0	814822.6	830841.4	0.0	At Grade	68	0.0	3.8	9.8	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
120	5d_NB			814822.6	830841.4	0.0	814950.6	830933.5	0.0	At Grade	158	0.0	3.7	9.7	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
121	5d_NB			814950.6	830933.5	0.0	814984.8	830954.4	0.0	At Grade	40	0.0	3.7	9.7	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
122	5d_NB			814984.8	830954.4	0.0	815028.6	830972.4	0.0	At Grade	47	0.0	3.7	9.7	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
123	5d_NB			815028.6	830972.4	0.0	815071.6	830985.7	0.0	At Grade	45	0.0	3.7	9.7	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
124	5d_NB			815071.6	830985.7	0.0	815190.2	831014.2	0.0	At Grade	122	0.0	5.4	11.4	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
125	5d_NB			815190.2	831014.2	0.0	815283.8	831037.7	0.0	At Grade	97	0.0	7.7	13.7	N	50	90	0.0192	0.0190	0.0175	50	0.0183	0.0181	0.0166	35	0.0235	0.0233	0.0214	25	0.0088	0.0086	0.0079	
126	5d_SB			815283.8	831037.7	0.0	815072.2	830981.4	0.0	At Grade	220	0.0	5.6	11.6	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
127	5d_SB			815072.2	830981.4	0.0	815029.3	830969.3	0.0	At Grade	45	0.0	3.7	9.7	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
128	5d_SB			815029.3	830969.3	0.0	814987.7	830950.8	0.0	At Grade	46	0.0	3.7	9.7	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
129	5d_SB			814987.7	830950.8	0.0	814952.6	830930.2	0.0	At Grade	41	0.0	3.7	9.7	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
130	5d_SB			814952.6	830930.2	0.0	814823.9	830837.7	0.0	At Grade	159	0.0	3.5	9.5	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
131	5d_SB			814823.9	830837.7	0.0	814772.6	830793.3	0.0	At Grade	68	0.0	3.8	9.8	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
132	5d_SB			814772.6	830793.3	0.0	814754.7	830763.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
133	5d_SB			814754.7	830763.3	0.0	814745.4	830736.2	0.0	At Grade	29	0.0	4.0	10.0	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
134	5d_SB			814745.4	830736.2	0.0	814743.2	830705.7	0.0	At Grade	31	0.0	4.0	10.0	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
135	5d_SB			814743.2	830705.7	0.0	814758.6	830640.7	0.0	At Grade	67	0.0	3.8	9.8	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
136	5d_SB			814758.6	830640.7	0.0	814774.6	830591.5	0.0	At Grade	52	0.0	3.7	9.7	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
137	5d_SB			814774.6	830591.5	0.0	814815.9	830476.6	0.0	At Grade	122	0.0	7.2	13.2	N	50	25	0.0286	0.0285	0.0262	15	0.0072	0.0069	0.0064	5	0.0108	0.0104	0.0096	5	0.0108	0.0104	0.0096	
138	5e_NB			814806.2	830307.2	6.4	814807.6	830322.8	6.4	Fill	16	6.4	8.0	11.0	N	50	75	0.0165	0.0164	0.0151	45	0.0154	0.0153	0.0140	35	0.0193	0.0192	0.0176	30	0.0219	0.0219	0.0201	
139	5e_NB			814807.6	830322.8	6.4	814813.4	830383.7	6.4	At Grade	61	0.0	8.0	14.0	N	50	75	0.0165	0.0164	0.0151	45	0.0154	0.0153	0.0140	35	0.0193	0.0192	0.0176	30	0.0219	0.0219	0.0201	
140	5e_NB			814813.4	830383.7	6.4	814809.0	830473.3	6.4	At Grade	90	0.0	8.0	14.0	N	50	75	0.0165	0.0164	0.0151	45	0.0154	0.0153	0.0140	35	0.0193	0.0192	0.0176	30	0.0219	0.0219	0.0201	
141	5f_NB			814815.9	830476.6	0.0	814824.5	830405.3	0.0	At Grade	72	0.0	8.1	14.1	N	50	45	0.0154	0.0153	0.0140	30	0.0042	0.0041	0.0037	25	0.0043	0.0042	0.0039	15	0.0023	0.0021	0.0019	
142	5f_NB			814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	14.1	N	50	45	0.0154	0.0153	0.0140	30	0.0042	0.0041	0.0037	25	0.0043	0.0042	0.0039	15	0.0023	0.0021	0.0019	
143	5f_NB			814820.0	830304.6	0.0	814773.3	830235.4	0.0	At Grade	24	0.0	4.5	10.5	N	50	95	0.0207	0.0206	0.0189	55	0.0166	0.0165	0.0151	40	0.0173	0.0172	0.0158	35	0.0193	0.0192	0.0176	
144	5f_NB			814773.3	830235.4	7.3	814796.5	830282.9	7.3	Fill	53	7.3	4.5	7.5	N	50	95	0.0207	0.0206	0.0189	55	0.0166	0.0165	0.0151	40	0.0173	0.0172	0.0158	35	0.0193	0.0192	0.0176	
145	5f_NB			814796.5	830282.9	7.3	814801.1	830294.5	7.3	At Grade	13	0.0	4.1	10.1	N	50	95	0.0207	0.0206	0.0189	55	0.0166	0.0165	0.0151	40	0.0173	0.0172	0.0158	35	0.0193	0.0192	0.0176	
146	5f_NB			814801.1	830294.5	7.3	814806.2	830307.2	7.3	Fill	14	7.3	4.1	7.1	N	50	95	0.0207	0.0206	0.0189	55	0.0166	0.0165	0.0151	40	0.0173	0.0172						

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 1				Hour 2				Hour 3				Hour 4			
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)
226	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	15.2	N	70	1360	0.0190	0.0190	0.0175	935	0.0190	0.0190	0.0175	670	0.0194	0.0194	0.0179	515	0.0202	0.0202	0.0186	
227	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	N	70	1360	0.0190	0.0190	0.0175	935	0.0190	0.0190	0.0175	670	0.0194	0.0194	0.0179	515	0.0202	0.0202	0.0186	
228	9a_NB	Tuen Mun Road	NB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	N	70	1400	0.0207	0.0207	0.0191	970	0.0216	0.0215	0.0198	700	0.0209	0.0209	0.0192	530	0.0212	0.0212	0.0195	
229	9a_SB	Tuen Mun Road	NB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	N	70	1400	0.0207	0.0207	0.0191	970	0.0216	0.0215	0.0198	700	0.0209	0.0209	0.0192	530	0.0212	0.0212	0.0195	
230	9a_NB	Tuen Mun Road	NB	815975.8	830391.5	8.0	815967.7	830363.8	7.0	Fill	29	7.5	12.5	15.5	N	70	1400	0.0207	0.0207	0.0191	970	0.0216	0.0215	0.0198	700	0.0209	0.0209	0.0192	530	0.0212	0.0212	0.0195	
231	9a_SB	Tuen Mun Road	NB	815967.7	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	N	70	1400	0.0207	0.0207	0.0191	970	0.0216	0.0215	0.0198	700	0.0209	0.0209	0.0192	530	0.0212	0.0212	0.0195	
232	9a_NB	Tuen Mun Road	NB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	N	70	1400	0.0207	0.0207	0.0191	970	0.0216	0.0215	0.0198	700	0.0209	0.0209	0.0192	530	0.0212	0.0212	0.0195	
233	9a_SB	Tuen Mun Road	NB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	N	70	1400	0.0207	0.0207	0.0191	970	0.0216	0.0215	0.0198	700	0.0209	0.0209	0.0192	530	0.0212	0.0212	0.0195	
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816182.2	830903.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
235	9b_NB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816160.0	830865.3	1.2	816149.9	830850.8	2.0	Bridge	36	1.6	9.0	15.0	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
237	9b_NB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816149.9	830850.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
238	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
239	9b_NB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
240	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
241	9b_NB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
242	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
243	9b_NB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	N	70	280	0.0213	0.0212	0.0195	190	0.0202	0.0202	0.0185	145	0.0201	0.0201	0.0184	100	0.0188	0.0187	0.0172	
244	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	N	50	230	0.0162	0.0161	0.0148	165	0.0131	0.0129	0.0119	125	0.0164	0.0163	0.0150	80	0.0123	0.0122	0.0111	
245	9c_NB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	N	50	230	0.0162	0.0161	0.0148	165	0.0131	0.0129	0.0119	125	0.0164	0.0163	0.0150	80	0.0123	0.0122	0.0111	
246	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	N	50	230	0.0162	0.0161	0.0148	165	0.0131	0.0129	0.0119	125	0.0164	0.0163	0.0150	80	0.0123	0.0122	0.0111	
247	9c_NB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	N	50	230	0.0162	0.0161	0.0148	165	0.0131	0.0129	0.0119	125	0.0164	0.0163	0.0150	80	0.0123	0.0122	0.0111	
248	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	N	50	230	0.0162	0.0161	0.0148	165	0.0131	0.0129	0.0119	125	0.0164	0.0163	0.0150	80	0.0123	0.0122	0.0111	
249	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816072.0	830611.0	0.0	At Grade	115	0.0	8.9	14.9	N	50	175	0.0158	0.0157	0.0144	120	0.0169	0.0168	0.0154	75	0.0128	0.0127	0.0117	55	0.0132	0.0131	0.0120	
250	9d_SB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816072.0	830611.0	0.0	816072.8	830662.9	0.0	At Grade	52	0.0	10.2	16.2	N	50	175	0.0158	0.0157	0.0144	120	0.0169	0.0168	0.0154	75	0.0128	0.0127	0.0117	55	0.0132	0.0131	0.0120	
251	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	N	70	310	0.0257	0.0257	0.0236	215	0.0234	0.0234	0.0215	155	0.0262	0.0262	0.0241	115	0.0267	0.0267	0.0246	
252	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	N	70	310	0.0257	0.0257	0.0236	215	0.0234	0.0234	0.0215	155	0.0262	0.0262	0.0241	115	0.0267	0.0267	0.0246	
253	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	N	70	310	0.0257	0.0257	0.0236	215	0.0234	0.0234	0.0215	155	0.0262	0.0262	0.0241	115	0.0267	0.0267	0.0246	
254	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	N	70	310	0.0257	0.0257	0.0236	215	0.0234	0.0234	0.0215	155	0.0262	0.0262	0.0241	115	0.0267	0.0267	0.0246	
255	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830749.8	3.2	Fill	81	4.9	4.4	10.4	N	70	310	0.0257	0.0257	0.0236	215	0.0234	0.0234	0.0215	155	0.0262	0.0262	0.0241	115	0.0267	0.0267	0.0246	
256	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830749.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	N	70	310	0.0257	0.0257	0.0236	215	0.0234	0.0234	0.0215	155	0.0262	0.0262	0.0241	115	0.0267	0.0267	0.0246	
257	9f_NB	Castle Peak Road - Lam Tei	NB	816182.2	830903.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	N	70	485	0.0274	0.0273	0.0251	325	0.0237	0.0236	0.0217	230	0.0236	0.0235	0.0216	175	0.0246	0.0245	0.0225	

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 1				Hour 2				Hour 3				Hour 4						
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted NO <sub>x</sub> EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted NO <sub>x</sub> EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted NO <sub>x</sub> EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted NO <sub>x</sub> EF (g/veh/mile)
329	28_NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
330	28_NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
331	28_NB	Tuen Fu Road	NB	816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
332	28_NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
333	28_NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
334	28_NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
335	28_NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
336	28_NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
337	28_NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
338	28_SB	Tuen Fu Road	SB	816234.3	830294.9	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
339	28_SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.3	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
340	28_SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
341	28_SB	Tuen Fu Road	SB	816113.0	830248.8	0.0	816077.3	830256.3	0.0	At Grade	36	0.0	3.4	9.4	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
342	28_SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
343	28_SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
344	28_SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
345	28_SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	0.0029	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
346	29_EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	N	50	85	0.0291	0.0288	0.0265	0.0265	60	0.0369	0.0366	0.0337	0.0337	40	0.0424	0.0421	0.0387	0.0387	30	0.0535	0.0532	0.0489	0.0489
347	29_EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	N	50	85	0.0291	0.0288	0.0265	0.0265	60	0.0369	0.0366	0.0337	0.0337	40	0.0424	0.0421	0.0387	0.0387	30	0.0535	0.0532	0.0489	0.0489
348	29_WB	Tuen Kwai Road	WB	816339.7	830295.1	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	N	50	90	0.0343	0.0341	0.0314	0.0314	55	0.0392	0.0389	0.0358	0.0358	45	0.0428	0.0424	0.0390	0.0390	30	0.0535	0.0532	0.0489	0.0489
349	29_WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	N	50	90	0.0343	0.0341	0.0314	0.0314	55	0.0392	0.0389	0.0358	0.0358	45	0.0428	0.0424	0.0390	0.0390	30	0.0535	0.0532	0.0489	0.0489
350	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
351	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
352	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
353	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
354	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
355	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
356	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
357	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000
358	34_EB	Access Road to Chung Shan San Hing Tsuen	EB																																	

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 1				Hour 2				Hour 3				Hour 4			
																			Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)
445	41	41_NB	Slip road to Yuen Long Highway	NB	816386.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	N	80	300	0.0254	0.0253	0.0233	205	0.0212	0.0211	0.0194	150	0.0232	0.0231	0.0212	110	0.0289	0.0288	0.0266	
446	41_NB	816203.3			830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	N	80	300	0.0254	0.0253	0.0233	205	0.0212	0.0211	0.0194	150	0.0232	0.0231	0.0212	110	0.0289	0.0288	0.0266		
447	41_NB	816230.4			830710.4	7.3	816254.4	830710.1	7.3	Fill	24	7.3	6.7	9.7	N	80	300	0.0254	0.0253	0.0233	205	0.0212	0.0211	0.0194	150	0.0232	0.0231	0.0212	110	0.0289	0.0288	0.0266		
448	41_NB	816254.4			830710.1	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	N	80	300	0.0254	0.0253	0.0233	205	0.0212	0.0211	0.0194	150	0.0232	0.0231	0.0212	110	0.0289	0.0288	0.0266		
449	41_NB	816295.3			830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	N	80	300	0.0254	0.0253	0.0233	205	0.0212	0.0211	0.0194	150	0.0232	0.0231	0.0212	110	0.0289	0.0288	0.0266		
450	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	N	80	300	0.0254	0.0253	0.0233	205	0.0212	0.0211	0.0194	150	0.0232	0.0231	0.0212	110	0.0289	0.0288	0.0266				
451	42	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
452		42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
453		42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
454		42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
455		42_SB			815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
456	42_SB	815490.6	830511.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029				
457	42_SB	815426.2	830477.1	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029				
458	42_SB	815386.5	830438.9	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	N	50	25	0.0257	0.0256	0.0235	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029				
459	89	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	N	50	15	0.0023	0.0021	0.0019	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
460		89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	N	50	15	0.0023	0.0021	0.0019	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
461		89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	N	50	15	0.0023	0.0021	0.0019	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
462		89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	N	50	15	0.0023	0.0021	0.0019	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	
463		89_WB			814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	
464	89_WB	814894.4	829990.9	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000				
465	89_WB	814835.5	830030.6	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000				
466	89_WB	814821.5	830033.1	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000				
467	91	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	N	50	130	0.0417	0.0416	0.0383	85	0.0385	0.0385	0.0353	60	0.0400	0.0399	0.0367	40	0.0497	0.0497	0.0456	
468		91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	N	50	130	0.0417	0.0416	0.0383	85	0.0385	0.0385	0.0353	60	0.0400	0.0399	0.0367	40	0.0497	0.0497	0.0456	
469		91_SB			815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	N	50	160	0.0249	0.0248	0.0228	115	0.0330	0.0329	0.0303	75	0.0327	0.0326	0.0299	55	0.0368	0.0367	0.0337	
470	91_SB	815656.9	830445.0	8.0	815645.1	830376.0	8.0	Fill	70	8.0	5.3	8.3	N	50	160	0.0249	0.0248	0.0228	115	0.0330	0.0329	0.0303	75	0.0327	0.0326	0.0299	55	0.0368	0.0367	0.0337				
471	93	93_NB	Hing Kwai Street	NB	814689.5	830100.5	0.0	814700.0	830125.3	0.0	At Grade	27	0.0	8.8	14.8	N	50	90	0.0157	0.0156	0.0143	55	0.0166	0.0165	0.0151	35	0.0193	0.0192	0.0176	30	0.0219	0.0219	0.0201	
472		93_SB			814715.2	830121.8	0.0	814700.9	830096.7	0.0	At Grade	29	0.0	7.6	13.6	N	50	150	0.0214	0.0213	0.0196	105	0.0212	0.0212	0.0195	75	0.0236	0.0235	0.0216	55	0.0205	0.0204	0.0188	
473	94	94_NB	Tsun Wen Road	NB	814795.8	830022.4	0.0	814781.9	830046.9	0.0	At Grade	28	0.0	7.2	13.2	N	50	55	0.0672	0.0672	0.0618	45	0.0773	0.0772	0.0710	35	0.0613	0.0613	0.0563	15	0.1014	0.1014	0.0932	
474		94_NB			814781.9	830046.9	0.0	814752.8	830071.5	0.0	At Grade	38	0.0	7.9	13.9	N	50	55	0.0672	0.0672	0.0618	45	0.0773	0.0772	0.0710	35	0.0613	0.0613	0.0563	15	0.1014	0.1014	0.0932	
475		94_NB			814752.8	830071.5	0.0	814694.2	830091.3	0.0	At Grade	62	0.0	10.0	16.0	N	50	55	0.0672	0.0672	0.0618	45	0.0773	0.0772	0.0710	35	0.0613	0.0613	0.0563	15	0.1014	0.1014	0.0932	
476		94_SB			814697.8	830104.1	0.0	814755.1	830082.5	0.0	At Grade	61	0.0	7.5	13.5	N	50	95	0.0702	0.0701	0.0645	65	0.0696	0.0695	0.0639	45	0.0535	0.0535	0.0492	40	0.0587	0.0587	0.0540	
477		94_SB			814755.1	830082.5	0.0	814785.9	830058.0	0.0	At Grade	39	0.0	8.0	14.0	N	50	95	0.0702	0.0701	0.0645	65	0.0696	0.0695	0.0639	45	0.0535	0.0535	0.0492	40	0.0587	0.0587	0.0540	
478	94_SB	814785.9	830058.0	0.0	814802.3	830030.1	0.0	At Grade	32	0.0	7.5	13.5	N	50	95	0.0702	0.0701	0.0645	65	0.0696	0.0695	0.0639	45	0.0535	0.0535	0.0492	40	0.0587	0.0587	0.0540				

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 5			Hour 6			Hour 7			Hour 8					
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	N	50	160	0.0229	0.0228	0.0210	230	0.0226	0.0212	0.0207	625	0.0283	0.0259	0.0259	1340	0.0275	0.0274	0.0252
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	N	50	150	0.0279	0.0278	0.0255	215	0.0262	0.0261	0.0240	570	0.0304	0.0303	0.0279	1245	0.0336	0.0335	0.0308
3	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816145.5	830696.2	0.0	816128.1	830649.5	0.0	At Grade	50	0.0	9.2	15.2	N	50	150	0.0279	0.0278	0.0255	215	0.0262	0.0261	0.0240	570	0.0304	0.0303	0.0279	1245	0.0336	0.0335	0.0308
4	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816128.1	830649.5	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	N	50	150	0.0279	0.0278	0.0255	215	0.0262	0.0261	0.0240	570	0.0304	0.0303	0.0279	1245	0.0336	0.0335	0.0308
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	N	50	210	0.0225	0.0224	0.0206	330	0.0216	0.0215	0.0198	855	0.0232	0.0231	0.0212	1845	0.0306	0.0305	0.0281
6	1b	Tsing Lun Road	EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	N	50	210	0.0225	0.0224	0.0206	330	0.0216	0.0215	0.0198	855	0.0232	0.0231	0.0212	1845	0.0306	0.0305	0.0281
7	1b	Tsing Lun Road	EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	N	50	210	0.0225	0.0224	0.0206	330	0.0216	0.0215	0.0198	855	0.0232	0.0231	0.0212	1845	0.0306	0.0305	0.0281
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	N	50	175	0.0232	0.0231	0.0212	265	0.0247	0.0246	0.0226	705	0.0238	0.0237	0.0218	1530	0.0281	0.0280	0.0258
9	1b	Tsing Lun Road	WB	816035.0	830636.4	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	N	50	175	0.0232	0.0231	0.0212	265	0.0247	0.0246	0.0226	705	0.0238	0.0237	0.0218	1530	0.0281	0.0280	0.0258
10	1b	Tsing Lun Road	WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	N	50	175	0.0232	0.0231	0.0212	265	0.0247	0.0246	0.0226	705	0.0238	0.0237	0.0218	1530	0.0281	0.0280	0.0258
11	1c	Tsing Lun Road	EB	815785.2	830739.3	8.0	815823.0	830741.6	8.0	Fill	38	8.0	12.9	15.9	N	50	220	0.0227	0.0226	0.0208	335	0.0239	0.0238	0.0219	875	0.0243	0.0243	0.0223	1895	0.0404	0.0402	0.0369
12	1c	Tsing Lun Road	EB	815823.0	830741.6	8.0	815870.6	830721.4	8.0	Fill	52	8.0	10.5	10.5	N	50	220	0.0227	0.0226	0.0208	335	0.0239	0.0238	0.0219	875	0.0243	0.0243	0.0223	1895	0.0404	0.0402	0.0369
13	1c	Tsing Lun Road	WB	815883.6	830709.1	8.4	815837.0	830724.7	8.4	Fill	49	8.4	8.4	8.4	N	50	175	0.0232	0.0231	0.0212	255	0.0225	0.0224	0.0206	690	0.0236	0.0235	0.0216	1505	0.0276	0.0275	0.0253
14	1c	Tsing Lun Road	WB	815837.0	830724.7	8.4	815817.6	830723.9	8.4	Fill	19	8.4	8.4	8.4	N	50	175	0.0232	0.0231	0.0212	255	0.0225	0.0224	0.0206	690	0.0236	0.0235	0.0216	1505	0.0276	0.0275	0.0253
15	1c	Tsing Lun Road	WB	815817.6	830723.9	8.4	815794.0	830726.9	8.4	At Grade	24	8.0	8.4	14.4	N	50	175	0.0232	0.0231	0.0212	255	0.0225	0.0224	0.0206	690	0.0236	0.0235	0.0216	1505	0.0276	0.0275	0.0253
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	N	50	110	0.0304	0.0303	0.0278	170	0.0249	0.0248	0.0228	445	0.0308	0.0307	0.0283	970	0.0337	0.0336	0.0309
17	1d	Tsing Lun Road	NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	N	50	110	0.0304	0.0303	0.0278	170	0.0249	0.0248	0.0228	445	0.0308	0.0307	0.0283	970	0.0337	0.0336	0.0309
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	N	50	105	0.0300	0.0299	0.0275	160	0.0229	0.0228	0.0210	405	0.0287	0.0286	0.0263	900	0.0294	0.0293	0.0269
19	1d	Tsing Lun Road	SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	N	50	105	0.0300	0.0299	0.0275	160	0.0229	0.0228	0.0210	405	0.0287	0.0286	0.0263	900	0.0294	0.0293	0.0269
20	1d	Tsing Lun Road	SB	815724.7	830648.0	8.0	815708.1	830595.1	8.0	Fill	55	8.0	6.5	9.5	N	50	105	0.0300	0.0299	0.0275	160	0.0229	0.0228	0.0210	405	0.0287	0.0286	0.0263	900	0.0294	0.0293	0.0269
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
22	1e	Tsing Lun Road	NB	815667.2	830496.8	5.7	815675.0	830535.2	5.7	Fill	39	5.7	6.3	9.3	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
23	1e	Tsing Lun Road	NB	815675.0	830535.2	5.7	815673.5	830548.7	5.7	Fill	12	5.1	6.3	9.3	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
24	1e	Tsing Lun Road	NB	815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
25	1e	Tsing Lun Road	NB	815677.5	830560.8	0.0	815700.7	830598.3	0.0	At Grade	18	0.0	6.3	12.3	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
26	1e	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
27	1e	Tsing Lun Road	SB	815702.8	830579.1	5.1	815673.5	830548.7	5.1	Fill	13	5.1	6.2	9.2	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
28	1e	Tsing Lun Road	SB	815673.5	830548.7	5.1	815671.1	830536.5	5.1	Fill	12	5.1	6.2	9.2	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
29	1e	Tsing Lun Road	SB	815671.1	830536.5	5.7	815662.7	830496.3	5.7	Fill	39	5.7	6.2	9.2	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
30	1e	Tsing Lun Road	SB	815662.7	830496.3	0.0	815662.6	830481.9	0.0	At Grade	34	0.0	6.2	12.2	N	50	95	0.0272	0.0271	0.0249	155	0.0235	0.0234	0.0215	395	0.0292	0.0291	0.0267	855	0.0281	0.0280	0.0258
31	1f	Tsing Lun Road	NB	815631.9	830282.5	0.0	815627.7	830301.3	0.0	At Grade	39	0.0	3.9	9.9	N	50	40	0.0497	0.0497	0.0456	80	0.0407	0.0407	0.0374	190	0.0444	0.0444	0.0408	440	0.0458	0.0458	0.0421
32	1f	Tsing Lun Road	NB	815627.7	830301.3	0.0	815631.3	830328.2	0.0	At Grade	27	0.0	3.8	9.8	N	50	40	0.0497	0.0497	0.0456	80	0.0407	0.0407	0.0374	190	0.0444	0.0444	0.0408	440	0.0458	0.0458	0.0421
33	1f	Tsing Lun Road	NB	815631.3	830328.2	0.0	815643.3	830372.6	0.0	At Grade	46	0.0	3.9	9.9	N	50	40	0.0497	0.0497	0.0456	80	0.0407	0.0407	0.0374	190	0.0444	0.0444	0.0408	440	0.0458	0.0458	0.0421
34	1f	Tsing Lun Road	SB	8156																												

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 5				Hour 6				Hour 7				Hour 8			
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)
113	5d_NB			814809.0	830473.3	0.0	814796.2	830515.6	0.0	At Grade	44	0.0	4.6	10.6	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0216	0.0216	0.0198	
114	5d_NB			814796.2	830515.6	0.0	814755.0	830639.0	0.0	At Grade	130	0.0	3.7	9.7	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
115	5d_NB			814755.0	830639.0	0.0	814739.7	830705.2	0.0	At Grade	68	0.0	3.8	9.8	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
116	5d_NB			814739.7	830705.2	0.0	814742.1	830740.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
117	5d_NB			814742.1	830740.3	0.0	814750.4	830766.3	0.0	At Grade	27	0.0	4.0	10.0	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
118	5d_NB			814750.4	830766.3	0.0	814770.6	830797.5	0.0	At Grade	37	0.0	4.0	10.0	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
119	5d_NB			814770.6	830797.5	0.0	814822.6	830841.4	0.0	At Grade	68	0.0	3.8	9.8	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
120	5d_NB			814822.6	830841.4	0.0	814950.6	830933.5	0.0	At Grade	158	0.0	3.7	9.7	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
121	5d_NB			814950.6	830933.5	0.0	814984.8	830954.4	0.0	At Grade	40	0.0	3.7	9.7	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
122	5d_NB			814984.8	830954.4	0.0	815028.6	830972.4	0.0	At Grade	47	0.0	3.7	9.7	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
123	5d_NB			815028.6	830972.4	0.0	815071.6	830985.7	0.0	At Grade	45	0.0	3.7	9.7	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
124	5d_NB			815071.6	830985.7	0.0	815190.2	831014.2	0.0	At Grade	122	0.0	5.4	11.4	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
125	5d_NB			815190.2	831014.2	0.0	815283.8	831037.7	0.0	At Grade	97	0.0	7.7	13.7	N	50	30	0.0092	0.0089	0.0082	45	0.0195	0.0193	0.0177	130	0.0217	0.0214	0.0197	280	0.0219	0.0216	0.0198	
126	5d_SB			815283.8	831037.7	0.0	815072.2	830981.4	0.0	At Grade	220	0.0	5.6	11.6	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
127	5d_SB			815072.2	830981.4	0.0	815029.3	830969.3	0.0	At Grade	45	0.0	3.7	9.7	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
128	5d_SB			815029.3	830969.3	0.0	814987.7	830950.8	0.0	At Grade	46	0.0	3.7	9.7	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
129	5d_SB			814987.7	830950.8	0.0	814952.6	830930.2	0.0	At Grade	41	0.0	3.7	9.7	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
130	5d_SB			814952.6	830930.2	0.0	814823.9	830837.7	0.0	At Grade	159	0.0	3.5	9.5	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
131	5d_SB			814823.9	830837.7	0.0	814772.6	830793.3	0.0	At Grade	68	0.0	3.8	9.8	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
132	5d_SB			814772.6	830793.3	0.0	814754.7	830763.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
133	5d_SB			814754.7	830763.3	0.0	814745.4	830736.2	0.0	At Grade	29	0.0	4.0	10.0	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
134	5d_SB			814745.4	830736.2	0.0	814743.2	830705.7	0.0	At Grade	31	0.0	4.0	10.0	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
135	5d_SB			814743.2	830705.7	0.0	814758.6	830640.7	0.0	At Grade	67	0.0	3.8	9.8	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
136	5d_SB			814758.6	830640.7	0.0	814774.6	830591.5	0.0	At Grade	52	0.0	3.7	9.7	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
137	5d_SB			814774.6	830591.5	0.0	814815.9	830476.6	0.0	At Grade	122	0.0	7.2	13.2	N	50	5	0.0108	0.0104	0.0096	10	0.0054	0.0052	0.0048	35	0.0235	0.0233	0.0214	85	0.0243	0.0241	0.0222	
138	5e_NB			814806.2	830307.2	6.4	814807.6	830322.8	6.4	Fill	16	6.4	8.0	11.0	N	50	30	0.0219	0.0219	0.0201	40	0.0173	0.0172	0.0158	115	0.0183	0.0182	0.0167	255	0.0197	0.0197	0.0181	
139	5e_NB			814807.6	830322.8	6.4	814813.4	830383.7	6.4	At Grade	61	0.0	8.0	14.0	N	50	30	0.0219	0.0219	0.0201	40	0.0173	0.0172	0.0158	115	0.0183	0.0182	0.0167	255	0.0197	0.0197	0.0181	
140	5e_NB			814813.4	830383.7	6.4	814809.0	830473.3	6.4	At Grade	90	0.0	8.0	14.0	N	50	30	0.0219	0.0219	0.0201	40	0.0173	0.0172	0.0158	115	0.0183	0.0182	0.0167	255	0.0197	0.0197	0.0181	
141	5f_NB			814815.9	830476.6	0.0	814824.5	830405.3	0.0	At Grade	72	0.0	8.1	14.1	N	50	15	0.0023	0.0021	0.0019	25	0.0043	0.0042	0.0039	70	0.0114	0.0113	0.0104	170	0.0146	0.0145	0.0133	
142	5f_NB			814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	14.1	N	50	15	0.0023	0.0021	0.0019	25	0.0043	0.0042	0.0039	70	0.0114	0.0113	0.0104	170	0.0146	0.0145	0.0133	
143	5f_NB			814759.8	830215.9	0.0	814773.3	830235.4	0.0	At Grade	24	0.0	10.5	10.5	N	50	35	0.0193	0.0192	0.0176	55	0.0166	0.0165	0.0151	140	0.0209	0.0208	0.0192	315	0.0197	0.0196	0.0180	
144	5f_NB			814773.3	830235.4	7.3	814796.5	830282.9	7.3	Fill	53	7.3	4.5	7.5	N	50	35	0.0193	0.0192	0.0176	55	0.0166	0.0165	0.0151	140	0.0209	0.0208	0.0192	315	0.0197	0.0196	0.0180	
145	5f_NB			814796.5	830282.9	7.3	814801.1	830294.5	7.3	At Grade	13	0.0	4.1	10.1	N	50	35	0.0193	0.0192	0.0176	55	0.0166	0.0165	0.0151	140	0.0209	0.0208	0.0192	315	0.0197	0.0196	0.0180	
146	5f_NB			814801.1	830294.5	7.3	814806.2	830307.2	7.3	Fill	14	6.4	4.1	7.1	N	50	35	0.0193	0.														

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 5			Hour 6			Hour 7			Hour 8					
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
226	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	15.2	N	70	550	0.0204	0.0204	0.0188	810	0.0185	0.0185	0.0171	2135	0.0193	0.0193	0.0178	4620	0.0225	0.0224	0.0206
227	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	N	70	550	0.0204	0.0204	0.0188	810	0.0185	0.0185	0.0171	2135	0.0193	0.0193	0.0178	4620	0.0225	0.0224	0.0206
228	9a_SB	Tuen Mun Road	NB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	N	70	560	0.0215	0.0215	0.0198	835	0.0205	0.0205	0.0189	2200	0.0213	0.0213	0.0196	4735	0.0244	0.0243	0.0223
229	9a_SB	Tuen Mun Road	NB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	N	70	560	0.0215	0.0215	0.0198	835	0.0205	0.0205	0.0189	2200	0.0213	0.0213	0.0196	4735	0.0244	0.0243	0.0223
230	9a_SB	Tuen Mun Road	NB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	N	70	560	0.0215	0.0215	0.0198	835	0.0205	0.0205	0.0189	2200	0.0213	0.0213	0.0196	4735	0.0244	0.0243	0.0223
231	9a_SB	Tuen Mun Road	NB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	N	70	560	0.0215	0.0215	0.0198	835	0.0205	0.0205	0.0189	2200	0.0213	0.0213	0.0196	4735	0.0244	0.0243	0.0223
232	9a_SB	Tuen Mun Road	NB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	N	70	560	0.0215	0.0215	0.0198	835	0.0205	0.0205	0.0189	2200	0.0213	0.0213	0.0196	4735	0.0244	0.0243	0.0223
233	9a_SB	Tuen Mun Road	NB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	N	70	560	0.0215	0.0215	0.0198	835	0.0205	0.0205	0.0189	2200	0.0213	0.0213	0.0196	4735	0.0244	0.0243	0.0223
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
237	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816149.9	830830.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
238	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
239	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
240	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
241	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
242	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
243	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	N	70	105	0.0180	0.0180	0.0165	175	0.0205	0.0205	0.0187	445	0.0238	0.0237	0.0218	985	0.0249	0.0248	0.0228
244	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	N	50	85	0.0117	0.0116	0.0107	145	0.0145	0.0144	0.0132	370	0.0163	0.0162	0.0149	820	0.0193	0.0192	0.0177
245	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	N	50	85	0.0117	0.0116	0.0107	145	0.0145	0.0144	0.0132	370	0.0163	0.0162	0.0149	820	0.0193	0.0192	0.0177
246	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	N	50	85	0.0117	0.0116	0.0107	145	0.0145	0.0144	0.0132	370	0.0163	0.0162	0.0149	820	0.0193	0.0192	0.0177
247	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	N	50	85	0.0117	0.0116	0.0107	145	0.0145	0.0144	0.0132	370	0.0163	0.0162	0.0149	820	0.0193	0.0192	0.0177
248	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	N	50	85	0.0117	0.0116	0.0107	145	0.0145	0.0144	0.0132	370	0.0163	0.0162	0.0149	820	0.0193	0.0192	0.0177
249	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816072.0	830611.0	0.0	At Grade	115	0.0	8.9	14.9	N	50	55	0.0132	0.0131	0.0120	105	0.0190	0.0189	0.0174	255	0.0147	0.0146	0.0134	585	0.0181	0.0180	0.0166
250	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816072.0	830611.0	0.0	816072.8	830662.9	0.0	At Grade	52	0.0	10.2	16.2	N	50	55	0.0132	0.0131	0.0120	105	0.0190	0.0189	0.0174	255	0.0147	0.0146	0.0134	585	0.0181	0.0180	0.0166
251	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	N	70	120	0.0257	0.0257	0.0237	195	0.0254	0.0254	0.0233	490	0.0258	0.0258	0.0237	1080	0.0268	0.0268	0.0247
252	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	N	70	120	0.0257	0.0257	0.0237	195	0.0254	0.0254	0.0233	490	0.0258	0.0258	0.0237	1080	0.0268	0.0268	0.0247
253	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	N	70	120	0.0257	0.0257	0.0237	195	0.0254	0.0254	0.0233	490	0.0258	0.0258	0.0237	1080	0.0268	0.0268	0.0247
254	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	N	70	120	0.0257	0.0257	0.0237	195	0.0254	0.0254	0.0233	490	0.0258	0.0258	0.0237	1080	0.0268	0.0268	0.0247
255	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830749.8	3.2	Fill	81	4.9	4.4	10.4	N	70	120	0.0257	0.0257	0.0237	195	0.0254	0.0254	0.0233	490	0.0258	0.0258	0.0237	1080	0.0268	0.0268	0.0247
256	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830749.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	N	70	120	0.0257	0.0257	0.0237	195	0.0254	0.0254	0.0233	490	0.0258	0.0258	0.0237	1080	0.0268	0.0268	0.0247
257	9f_SB	Castle Peak Road - Lam Tei	NB	816182.2	83093.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	N	70	185	0.0263	0.0262	0.0241	285	0.0241	0.0240	0.0221	750	0.0268	0.0267	0.0246	1620	0.0302	0.0302	0.0278
258	9f_SB																															

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 5				Hour 6				Hour 7				Hour 8						
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)
329	28_NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
330	28_NB			816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
331	28_NB			816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
332	28_NB			816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
333	28_NB			816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
334	28_NB			816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
335	28_NB			816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
336	28_NB			816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
337	28_NB			816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029
338	28_SB			816234.3	830298.6	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086	
339	28_SB			816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086	
340	28_SB			816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086	
341	28_SB			816113.0	830248.8	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	3.4	9.4	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086	
342	28_SB			816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086	
343	28_SB			816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086	
344	28_SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086			
345	28_SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	15	0.0097	0.0093	0.0086	0.0086			
346	29_EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	N	50	30	0.0535	0.0532	0.0489	0.0489	55	0.0392	0.0389	0.0358	0.0358	130	0.0331	0.0327	0.0302	0.0302	330	0.0412	0.0410	0.0377	0.0377
347	29_EB			816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	N	50	30	0.0535	0.0532	0.0489	0.0489	55	0.0392	0.0389	0.0358	0.0358	130	0.0331	0.0327	0.0302	0.0302	330	0.0412	0.0410	0.0377	0.0377
348	29_WB			816339.7	830301.6	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	N	50	30	0.0535	0.0532	0.0489	0.0489	50	0.0420	0.0417	0.0384	0.0384	140	0.0372	0.0369	0.0340	0.0340	315	0.0427	0.0425	0.0391	0.0391
349	29_WB			816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	N	50	30	0.0535	0.0532	0.0489	0.0489	50	0.0420	0.0417	0.0384	0.0384	140	0.0372	0.0369	0.0340	0.0340	315	0.0427	0.0425	0.0391	0.0391
350	34_EB			815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
351	34_EB			815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
352	34_EB			815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
353	34_EB			815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
354	34_EB			815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
355	34_EB			815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
356	34_EB			815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
357	34_EB			815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
358	34_EB			815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.0029	
359	34_EB			815856.2	831283.8	0.0	815905.6	831261.5	0.0	At Grade	54	0.0	4.2	10.2	N	50	0	0.0000	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0.0000	5	0.0034	0.0032	0.0029	0.	

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Hour 5 Weighted RSP EF (g/veh/mile)	Hour 5 Weighted FSP EF (g/veh/mile)	Hour 6 Traffic Flows (VPH)	Hour 6 Weighted TSP EF (g/veh/mile)	Hour 6 Weighted RSP EF (g/veh/mile)	Hour 6 Weighted FSP EF (g/veh/mile)	Hour 7 Traffic Flows (VPH)	Hour 7 Weighted TSP EF (g/veh/mile)	Hour 7 Weighted RSP EF (g/veh/mile)	Hour 7 Weighted FSP EF (g/veh/mile)	Hour 8 Traffic Flows (VPH)	Hour 8 Weighted TSP EF (g/veh/mile)	Hour 8 Weighted RSP EF (g/veh/mile)	Hour 8 Weighted FSP EF (g/veh/mile)
445	41	41_NB	Slip road to Yuen Long Highway	NB	816386.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	N	80	120	0.0266	0.0265	0.0244	175	0.0232	0.0231	0.0212	470	0.0241	0.0240	0.0221	1020	0.0235	0.0234	0.0216
446	41_NB	816203.3			830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	N	80	120	0.0266	0.0265	0.0244	175	0.0232	0.0231	0.0212	470	0.0241	0.0240	0.0221	1020	0.0235	0.0234	0.0216	
447	41_NB	816230.4			830710.4	7.3	816254.4	830710.4	7.3	Fill	24	7.3	6.7	9.7	N	80	120	0.0266	0.0265	0.0244	175	0.0232	0.0231	0.0212	470	0.0241	0.0240	0.0221	1020	0.0235	0.0234	0.0216	
448	41_NB	816254.4			830710.4	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	N	80	120	0.0266	0.0265	0.0244	175	0.0232	0.0231	0.0212	470	0.0241	0.0240	0.0221	1020	0.0235	0.0234	0.0216	
449	41_NB	816295.3			830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	N	80	120	0.0266	0.0265	0.0244	175	0.0232	0.0231	0.0212	470	0.0241	0.0240	0.0221	1020	0.0235	0.0234	0.0216	
450	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	N	80	120	0.0266	0.0265	0.0244	175	0.0232	0.0231	0.0212	470	0.0241	0.0240	0.0221	1020	0.0235	0.0234	0.0216			
451	42	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	70	0.0348	0.0344	0.0317
452		42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	70	0.0348	0.0344	0.0317
453		42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	70	0.0348	0.0344	0.0317
454		42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	70	0.0348	0.0344	0.0317
455		42_SB			815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	75	0.0332	0.0329	0.0303
456	42_SB	815490.6	830511.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	75	0.0332	0.0329	0.0303			
457	42_SB	815426.2	830477.1	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	75	0.0332	0.0329	0.0303			
458	42_SB	815386.5	830438.9	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	30	0.0294	0.0290	0.0267	75	0.0332	0.0329	0.0303			
459	89	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	20	0.0025	0.0024	0.0022	50	0.0393	0.0389	0.0358
460		89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	20	0.0025	0.0024	0.0022	50	0.0393	0.0389	0.0358
461		89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	20	0.0025	0.0024	0.0022	50	0.0393	0.0389	0.0358
462		89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	20	0.0025	0.0024	0.0022	50	0.0393	0.0389	0.0358
463		89_WB			814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
464	89_WB	814894.4	829990.9	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000			
465	89_WB	814835.5	830030.6	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000			
466	89_WB	814821.5	830033.1	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000			
467	91	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	N	50	40	0.0497	0.0497	0.0456	80	0.0407	0.0407	0.0374	190	0.0412	0.0411	0.0378	440	0.0458	0.0458	0.0421
468		91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	N	50	40	0.0497	0.0497	0.0456	80	0.0407	0.0407	0.0374	190	0.0412	0.0411	0.0378	440	0.0458	0.0458	0.0421
469		91_SB			815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	N	50	55	0.0368	0.0367	0.0337	105	0.0302	0.0302	0.0277	250	0.0290	0.0289	0.0266	555	0.0353	0.0352	0.0325
470	91_SB	815656.9	830445.0	8.0	815645.1	830376.0	8.0	Fill	70	8.0	5.3	8.3	N	50	55	0.0368	0.0367	0.0337	105	0.0302	0.0302	0.0277	250	0.0290	0.0289	0.0266	555	0.0353	0.0352	0.0325			
471	93	93_NB	Hing Kwai Street	NB	814689.5	830100.5	0.0	814700.0	830125.3	0.0	At Grade	27	0.0	8.8	14.8	N	50	35	0.0193	0.0192	0.0176	50	0.0179	0.0178	0.0164	130	0.0178	0.0177	0.0163	290	0.0190	0.0189	0.0173
472		93_SB			814715.2	830121.8	0.0	814700.9	830096.7	0.0	At Grade	29	0.0	7.6	13.6	N	50	65	0.0185	0.0184	0.0169	90	0.0216	0.0215	0.0198	235	0.0220	0.0219	0.0201	525	0.0309	0.0309	0.0284
473	94	94_NB	Tsun Wen Road	NB	814795.8	830022.4	0.0	814781.9	830046.9	0.0	At Grade	28	0.0	7.2	13.2	N	50	15	0.0114	0.0114	0.0932	35	0.0613	0.0613	0.0563	95	0.0754	0.0753	0.0692	205	0.0780	0.0780	0.0717
474		94_NB			814781.9	830046.9	0.0	814752.8	830071.5	0.0	At Grade	38	0.0	7.9	13.9	N	50	15	0.0114	0.0114	0.0932	35	0.0613	0.0613	0.0563	95	0.0754	0.0753	0.0692	205	0.0780	0.0780	0.0717
475		94_NB			814752.8	830071.5	0.0	814694.2	830091.3	0.0	At Grade	62	0.0	10.0	16.0	N	50	15	0.0114	0.0114	0.0932	35	0.0613	0.0613	0.0563	95	0.0754	0.0753	0.0692	205	0.0780	0.0780	0.0717
476		94_SB			814697.8	830104.1	0.0	814755.1	830082.5	0.0	At Grade	61	0.0	7.5	13.5	N	50	40	0.0587	0.0587	0.0540	65	0.0696	0.0695	0.0639	140	0.0697	0.0697	0.0641	335	0.0688	0.0688	0.0633
477		94_SB			814755.1	830082.5	0.0	814785.9	830058.0	0.0	At Grade	39	0.0	8.0	14.0	N	50	40	0.0587	0.0587	0.0540	65	0.0696	0.0695	0.0639	140	0.0697	0.0697	0.0641	335	0.0688	0.0688	0.0633
478	94_SB	814785.9	830058.0	0.0	814802.3	830030.1	0.0	At Grade	32	0.0	7.5	13.5	N	50	40	0.0587	0.0587	0.0540	65	0.0696	0.0695	0.0639	140	0.0697	0.0697								

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 9				Hour 10				Hour 11				Hour 12			
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted PMP EF (g/veh/mile)	Weighted NMP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted PMP EF (g/veh/mile)	Weighted NMP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted PMP EF (g/veh/mile)	Weighted NMP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	N	50	1390	0.0307	0.0306	0.0282	1260	0.0268	0.0267	0.0246	1205	0.0273	0.0272	0.0250	1160	0.0274	0.0252		
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	N	50	1290	0.0331	0.0330	0.0304	1180	0.0328	0.0327	0.0301	1120	0.0334	0.0333	0.0307	920	0.0292	0.0291	0.0268	
3	1a		SB	816145.5	830696.2	0.0	816128.1	830649.5	0.0	At Grade	50	0.0	9.2	15.2	N	50	1290	0.0331	0.0330	0.0304	1180	0.0328	0.0327	0.0301	1120	0.0334	0.0333	0.0307	920	0.0292	0.0291	0.0268	
4	1a		SB	816128.1	830649.5	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	N	50	1290	0.0331	0.0330	0.0304	1180	0.0328	0.0327	0.0301	1120	0.0334	0.0333	0.0307	920	0.0292	0.0291	0.0268	
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	N	50	1910	0.0377	0.0375	0.0345	1735	0.0302	0.0301	0.0277	1655	0.0302	0.0301	0.0277	1590	0.0302	0.0301	0.0277	
6	1b		EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	N	50	1910	0.0377	0.0375	0.0345	1735	0.0302	0.0301	0.0277	1655	0.0302	0.0301	0.0277	1590	0.0302	0.0301	0.0277	
7	1b		EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	N	50	1910	0.0377	0.0375	0.0345	1735	0.0302	0.0301	0.0277	1655	0.0302	0.0301	0.0277	1590	0.0302	0.0301	0.0277	
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	N	50	1585	0.0327	0.0326	0.0300	1435	0.0276	0.0275	0.0254	1370	0.0279	0.0278	0.0256	1320	0.0276	0.0275	0.0254	
9	1b		WB	816035.0	830636.4	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	N	50	1585	0.0327	0.0326	0.0300	1435	0.0276	0.0275	0.0254	1370	0.0279	0.0278	0.0256	1320	0.0276	0.0275	0.0254	
10	1b		WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	N	50	1585	0.0327	0.0326	0.0300	1435	0.0276	0.0275	0.0254	1370	0.0279	0.0278	0.0256	1320	0.0276	0.0275	0.0254	
11	1c	Tsing Lun Road	EB	815785.2	830739.3	8.0	815823.0	830741.6	8.0	Fill	38	8.0	12.9	15.9	N	50	1965	0.0398	0.0397	0.0365	1785	0.0318	0.0317	0.0292	1710	0.0322	0.0321	0.0295	1630	0.0319	0.0318	0.0293	
12	1c		EB	815823.0	830741.6	8.0	815870.6	830721.4	8.0	Fill	52	8.0	10.5	10.5	N	50	1965	0.0398	0.0397	0.0365	1785	0.0318	0.0317	0.0292	1710	0.0322	0.0321	0.0295	1630	0.0319	0.0318	0.0293	
13	1c	Tsing Lun Road	WB	815883.6	830709.1	0.0	815837.0	830724.7	6.4	Fill	49	6.4	8.4	8.4	N	50	1560	0.0321	0.0320	0.0295	1410	0.0271	0.0270	0.0249	1345	0.0274	0.0273	0.0251	1305	0.0275	0.0274	0.0253	
14	1c		WB	815837.0	830724.7	6.4	815817.6	830723.9	6.4	Fill	19	6.4	8.4	8.4	N	50	1560	0.0321	0.0320	0.0295	1410	0.0271	0.0270	0.0249	1345	0.0274	0.0273	0.0251	1305	0.0275	0.0274	0.0253	
15	1c		WB	815817.6	830723.9	6.4	815794.0	830726.9	6.4	At Grade	24	6.4	8.4	14.4	N	50	1560	0.0321	0.0320	0.0295	1410	0.0271	0.0270	0.0249	1345	0.0274	0.0273	0.0251	1305	0.0275	0.0274	0.0253	
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	N	50	1005	0.0334	0.0333	0.0306	920	0.0334	0.0333	0.0306	870	0.0296	0.0295	0.0272	835	0.0300	0.0299	0.0275	
17	1d		NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	N	50	1005	0.0334	0.0333	0.0306	920	0.0334	0.0333	0.0306	870	0.0296	0.0295	0.0272	835	0.0300	0.0299	0.0275	
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	N	50	935	0.0329	0.0328	0.0302	850	0.0290	0.0289	0.0266	810	0.0289	0.0288	0.0265	775	0.0299	0.0298	0.0275	
19	1d		SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	N	50	935	0.0329	0.0328	0.0302	850	0.0290	0.0289	0.0266	810	0.0289	0.0288	0.0265	775	0.0299	0.0298	0.0275	
20	1d		SB	815724.7	830648.0	0.0	815708.1	830595.1	0.0	Fill	55	8.0	6.5	9.5	N	50	935	0.0329	0.0328	0.0302	850	0.0290	0.0289	0.0266	810	0.0289	0.0288	0.0265	775	0.0299	0.0298	0.0275	
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	N	50	890	0.0278	0.0278	0.0255	820	0.0272	0.0272	0.0250	765	0.0274	0.0273	0.0251	735	0.0283	0.0282	0.0260	
22	1e		NB	815667.2	830496.8	5.7	815675.0	830535.2	5.7	Fill	39	5.7	6.3	9.3	N	50	890	0.0278	0.0278	0.0255	820	0.0272	0.0272	0.0250	765	0.0274	0.0273	0.0251	735	0.0283	0.0282	0.0260	
23	1e		NB	815675.0	830535.2	5.7	815677.5	830548.7	5.1	Fill	12	5.1	6.3	9.3	N	50	890	0.0278	0.0278	0.0255	820	0.0272	0.0272	0.0250	765	0.0274	0.0273	0.0251	735	0.0283	0.0282	0.0260	
24	1e		NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	N	50	890	0.0278	0.0278	0.0255	820	0.0272	0.0272	0.0250	765	0.0274	0.0273	0.0251	735	0.0283	0.0282	0.0260	
25	1e		NB	815677.5	830548.7	5.1	815700.7	830598.3	0.0	At Grade	18	0.0	6.3	12.3	N	50	890	0.0278	0.0278	0.0255	820	0.0272	0.0272	0.0250	765	0.0274	0.0273	0.0251	735	0.0283	0.0282	0.0260	
26	1e	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	875	0.0267	0.0266	0.0244	810	0.0275	0.0274	0.0252	750	0.0260	0.0259	0.0239	720	0.0269	0.0268	0.0247	
27	1e		SB	815702.8	830579.1	0.0	815677.5	830548.7	5.1	Fill	13	5.1	6.2	9.2	N	50	875	0.0267	0.0266	0.0244	810	0.0275	0.0274	0.0252	750	0.0260	0.0259	0.0239	720	0.0269	0.0268	0.0247	
28	1e		SB	815677.5	830548.7	5.1	815677.5	830535.2	5.7	Fill	12	5.1	6.2	9.2	N	50	875	0.0267	0.0266	0.0244	810	0.0275	0.0274	0.0252	750	0.0260	0.0259	0.0239	720	0.0269	0.0268	0.0247	
29	1e		SB	815677.5	830548.7	5.1	815677.5	830496.8	5.7	Fill	39	5.7	6.2	9.2	N	50	875	0.0267	0.0266	0.0244	810	0.0275	0.0274	0.0252	750	0.0260	0.0259	0.0239	720	0.0269	0.0268	0.0247	
30	1e		SB	815677.5	830548.7	5.1	815677.5	830463.7	0.0	At Grade	34	0.0	6.2	12.2	N	50	875	0.0267	0.0266	0.0244	810	0.0275	0.0274	0.0252	750	0.0260	0.0259	0.0239	720	0.0269	0.0268	0.0247	
31	1f	Tsing Lun Road	NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	46	0.0	3.9	9.9	N	50	450	0.0449	0.0448	0.0412	415	0.0436	0.0435	0.0400	395	0.0446	0.0445	0.0410	370	0.0451	0.0450	0.0414	
32	1f		NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	27	0.0	3.8	9.8	N	50	450	0.0449	0.0448	0.0412	415	0.0436	0.0435	0.0400	395	0.0446	0.0445	0.0410	370	0.0451	0.0450	0.0414	
33	1f		NB	815631.3	830328.2	0.0	815631.3	830328.2	0.0	At Grade	46	0.0	3.9	9.9	N	50	450	0.0449	0.0448	0.0412	415	0.0436	0.0435	0.0400	395	0.0446	0.0445	0.0410	370	0.0451	0.0450	0.0414	
34	1f	Tsing Lun Road																															

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1		Y1		Z1 (mPD)	X2		Y2		Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 9				Hour 10				Hour 11				Hour 12			
				TSP EF (g/veh/mile)	RSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)		TSP EF (g/veh/mile)	RSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)										TSP EF (g/veh/mile)	RSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	TSP EF (g/veh/mile)	RSP EF (g/veh/mile)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)								
113	5d_NB	Road L7	NB	814809.0	830473.3	0.0	814796.2	830515.6	0.0	At Grade	44	0.0	4.6	10.6	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
114	5d_NB	Road L7	NB	814796.2	830515.6	0.0	814755.0	830639.0	0.0	At Grade	130	0.0	3.7	9.7	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
115	5d_NB	Road L7	NB	814755.0	830639.0	0.0	814739.7	830705.2	0.0	At Grade	68	0.0	3.8	9.8	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
116	5d_NB	Road L7	NB	814739.7	830705.2	0.0	814742.1	830740.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
117	5d_NB	Road L7	NB	814742.1	830740.3	0.0	814750.4	830766.3	0.0	At Grade	27	0.0	4.0	10.0	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
118	5d_NB	Road L7	NB	814750.4	830766.3	0.0	814770.6	830797.5	0.0	At Grade	37	0.0	4.0	10.0	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
119	5d_NB	Road L7	NB	814770.6	830797.5	0.0	814822.6	830841.4	0.0	At Grade	68	0.0	3.8	9.8	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
120	5d_NB	Road L7	NB	814822.6	830841.4	0.0	814950.6	830933.5	0.0	At Grade	158	0.0	3.7	9.7	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
121	5d_NB	Road L7	NB	814950.6	830933.5	0.0	814984.8	830954.4	0.0	At Grade	40	0.0	3.7	9.7	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
122	5d_NB	Road L7	NB	814984.8	830954.4	0.0	815028.6	830972.4	0.0	At Grade	47	0.0	3.7	9.7	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
123	5d_NB	Road L7	NB	815028.6	830972.4	0.0	815071.6	830985.7	0.0	At Grade	45	0.0	3.7	9.7	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
124	5d_NB	Road L7	NB	815071.6	830985.7	0.0	815190.2	831014.2	0.0	At Grade	122	0.0	5.4	11.4	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
125	5d_NB	Road L7	NB	815190.2	831014.2	0.0	815283.8	831037.7	0.0	At Grade	97	0.0	7.7	13.7	N	50	285	0.0217	0.0214	0.0197	260	0.0228	0.0225	0.0206	250	0.0211	0.0208	0.0191	240	0.0217	0.0214	0.0196					
126	5d_SB	Road L7	SB	815283.8	831037.7	0.0	815286.7	831030.5	0.0	At Grade	220	0.0	5.6	11.6	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
127	5d_SB	Road L7	SB	815286.7	831030.5	0.0	815072.2	830981.4	0.0	At Grade	45	0.0	3.7	9.7	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
128	5d_SB	Road L7	SB	815072.2	830981.4	0.0	815029.3	830969.3	0.0	At Grade	46	0.0	3.7	9.7	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
129	5d_SB	Road L7	SB	815029.3	830969.3	0.0	814987.7	830950.8	0.0	At Grade	41	0.0	3.7	9.7	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
130	5d_SB	Road L7	SB	814987.7	830950.8	0.0	814952.6	830930.2	0.0	At Grade	159	0.0	3.5	9.5	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
131	5d_SB	Road L7	SB	814952.6	830930.2	0.0	814823.9	830837.7	0.0	At Grade	68	0.0	3.8	9.8	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
132	5d_SB	Road L7	SB	814823.9	830837.7	0.0	814772.6	830793.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
133	5d_SB	Road L7	SB	814772.6	830793.3	0.0	814754.7	830763.3	0.0	At Grade	29	0.0	4.0	10.0	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
134	5d_SB	Road L7	SB	814754.7	830763.3	0.0	814745.4	830736.2	0.0	At Grade	31	0.0	4.0	10.0	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
135	5d_SB	Road L7	SB	814745.4	830736.2	0.0	814743.2	830705.7	0.0	At Grade	67	0.0	3.8	9.8	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
136	5d_SB	Road L7	SB	814743.2	830705.7	0.0	814758.6	830640.7	0.0	At Grade	52	0.0	3.7	9.7	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
137	5d_SB	Road L7	SB	814758.6	830640.7	0.0	814774.6	830591.5	0.0	At Grade	122	0.0	7.2	13.2	N	50	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	0.0229	75	0.0268	0.0266	0.0245					
138	5e_NB	Hing Kwai Street	NB	814806.2	830307.2	6.4	814807.6	830322.8	6.4	Fill	16	6.4	8.0	11.0	N	50	260	0.0194	0.0193	0.0178	240	0.0206	0.0205	0.0189	225	0.0192	0.0191	0.0175	220	0.0195	0.0194	0.0178					
139	5e_NB	Hing Kwai Street	NB	814807.6	830322.8	6.4	814813.4	830383.7	6.4	At Grade	61	0.0	8.0	14.0	N	50	260	0.0194	0.0193	0.0178	240	0.0206	0.0205	0.0189	225	0.0192	0.0191	0.0175	220	0.0195	0.0194	0.0178					
140	5e_NB	Hing Kwai Street	SB	814813.4	830383.7	6.4	814809.0	830473.3	6.4	At Grade	90	0.0	8.0	14.0	N	50	260	0.0194	0.0193	0.0178	240	0.0206	0.0205	0.0189	225	0.0192	0.0191	0.0175	220	0.0195	0.0194	0.0178					
141	5f_NB	Hing Kwai Street	NB	814815.9	830476.6	0.0	814824.5	830405.3	0.0	At Grade	72	0.0	8.1	14.1	N	50	175	0.0143	0.0142	0.0131	160	0.0154	0.0153	0.0141	150	0.0159	0.0158	0.0145	150	0.0159	0.0158	0.0145					
142	5f_NB	Hing Kwai Street	NB	814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	14.1	N	50	175	0.0143	0.0142	0.0131	160	0.0154	0.0153	0.0141	150	0.0159	0.0158	0.0145	150	0.0159	0.0158	0.0145					
143	5f_NB	Hing Kwai Street	NB	814820.0	830304.6	0.0	814773.3	830235.4	0.0	At Grade	24	0.0	4.5	10.5	N	50	320	0.0194	0.0193	0.0178	290	0.0190	0.0189	0.0173	285	0.0192	0.0191	0.0176	285	0.0197	0.0196	0.0180					
144	5f_NB	Hing Kwai Street	NB	814773.3	830235.4	7.3	814796.5	830282.9	7.3	Fill	53	7.3	4.5	7.5	N	50	320	0.0194	0.0193	0.0178	290	0.0190	0.0189	0.0173	285	0.0192	0.0191	0.0176	285	0.0197	0.0196	0.0180					
145	5f_NB	Hing Kwai Street	NB	814796.5	830282.9	7.3	814801.1	830294.5	7.3	At Grade	13	0.0	4.1	10.1	N	50	320	0.0194	0.0193	0.0178	290	0.0190	0.0189	0.0173	285	0.0192	0.0191	0.0176	285	0.0197	0.0196	0.0180					

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 9				Hour 10				Hour 11				Hour 12				
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)
226	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	15.2	N	70	4810	0.0223	0.0222	0.0204	0.0204	0.0222	0.0203	0.0223	0.0204	0.0222	0.0204	4010	0.0205	0.0205	0.0188	0.0188		
227	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	N	70	4810	0.0223	0.0222	0.0204	0.0204	0.0222	0.0203	0.0223	0.0204	0.0222	0.0204	4010	0.0205	0.0205	0.0188	0.0188		
228	9a_SB	Tuen Mun Road	SB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	N	70	4935	0.0276	0.0275	0.0254	0.0254	0.0242	0.0241	0.0221	0.0221	0.0243	0.0242	4110	0.0224	0.0223	0.0205	0.0205		
229	9a_SB	Tuen Mun Road	SB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	N	70	4935	0.0276	0.0275	0.0254	0.0254	0.0242	0.0241	0.0221	0.0221	0.0243	0.0242	4110	0.0224	0.0223	0.0205	0.0205		
230	9a_SB	Tuen Mun Road	SB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	N	70	4935	0.0276	0.0275	0.0254	0.0254	0.0242	0.0241	0.0221	0.0221	0.0243	0.0242	4110	0.0224	0.0223	0.0205	0.0205		
231	9a_SB	Tuen Mun Road	SB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	N	70	4935	0.0276	0.0275	0.0254	0.0254	0.0242	0.0241	0.0221	0.0221	0.0243	0.0242	4110	0.0224	0.0223	0.0205	0.0205		
232	9a_SB	Tuen Mun Road	SB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	N	70	4935	0.0276	0.0275	0.0254	0.0254	0.0242	0.0241	0.0221	0.0221	0.0243	0.0242	4110	0.0224	0.0223	0.0205	0.0205		
233	9a_SB	Tuen Mun Road	SB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	N	70	4935	0.0276	0.0275	0.0254	0.0254	0.0242	0.0241	0.0221	0.0221	0.0243	0.0242	4110	0.0224	0.0223	0.0205	0.0205		
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
237	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830830.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
238	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
239	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
240	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
241	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
242	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
243	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	N	70	1020	0.0247	0.0246	0.0227	0.0227	0.0250	0.0249	0.0229	0.0229	0.0252	0.0251	0.0231	0.0231	845	0.0252	0.0251	0.0231	0.0231
244	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	N	50	845	0.0188	0.0187	0.0172	0.0172	0.0166	0.0166	0.0153	0.0153	0.0168	0.0167	0.0153	0.0153	700	0.0164	0.0163	0.0150	0.0150
245	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	N	50	845	0.0188	0.0187	0.0172	0.0172	0.0166	0.0166	0.0153	0.0153	0.0168	0.0167	0.0153	0.0153	700	0.0164	0.0163	0.0150	0.0150
246	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	N	50	845	0.0188	0.0187	0.0172	0.0172	0.0166	0.0166	0.0153	0.0153	0.0168	0.0167	0.0153	0.0153	700	0.0164	0.0163	0.0150	0.0150
247	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	N	50	845	0.0188	0.0187	0.0172	0.0172	0.0166	0.0166	0.0153	0.0153	0.0168	0.0167	0.0153	0.0153	700	0.0164	0.0163	0.0150	0.0150
248	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	N	50	845	0.0188	0.0187	0.0172	0.0172	0.0166	0.0166	0.0153	0.0153	0.0168	0.0167	0.0153	0.0153	700	0.0164	0.0163	0.0150	0.0150
249	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816072.0	830611.0	0.0	At Grade	115	0.0	8.9	14.9	N	50	605	0.0176	0.0175	0.0161	0.0161	0.0177	0.0177	0.0163	0.0163	0.0181	0.0180	0.0166	0.0166	500	0.0170	0.0169	0.0155	0.0155
250	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816072.0	830611.0	0.0	816072.8	830662.9	0.0	At Grade	52	0.0	10.2	16.2	N	50	605	0.0176	0.0175	0.0161	0.0161	0.0177	0.0177	0.0163	0.0163	0.0181	0.0180	0.0166	0.0166	500	0.0170	0.0169	0.0155	0.0155
251	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	N	70	1125	0.0266	0.0266	0.0244	0.0244	0.0268	0.0268	0.0246	0.0246	0.0269	0.0269	0.0248	0.0248	935	0.0267	0.0267	0.0246	0.0246
252	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	N	70	1125	0.0266	0.0266	0.0244	0.0244	0.0268	0.0268	0.0246	0.0246	0.0269	0.0269	0.0248	0.0248	935	0.0267	0.0267	0.0246	0.0246
253	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	N	70	1125	0.0266	0.0266	0.0244	0.0244	0.0268	0.0268	0.0246	0.0246	0.0269	0.0269	0.0248	0.0248	935	0.0267	0.0267	0.0246	0.0246
254	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	N	70	1125	0.0266	0.0266	0.0244	0.0244	0.0268	0.0268	0.0246	0.0246	0.0269	0.0269	0.0248	0.0248	935	0.0267	0.0267	0.0246	0.0246
255	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830748.8	3.2	Fill	81	4.9	4.4	10.4	N	70	1125	0.0266	0.0266	0.0244	0.0244	0.0268	0.0268	0.0246	0.0246	0.0269	0.0269	0.0248	0.0248	935	0.0267	0.		

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 9				Hour 10				Hour 11				Hour 12			
																	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
329	28 NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
330	28 NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
331	28 NB	Tuen Fu Road	NB	816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
332	28 NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
333	28 NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
334	28 NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
335	28 NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
336	28 NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
337	28 NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
338	28 SB	Tuen Fu Road	SB	816234.3	830298.6	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
339	28 SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
340	28 SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
341	28 SB	Tuen Fu Road	SB	816113.0	830248.8	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	9.4	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
342	28 SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
343	28 SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
344	28 SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
345	28 SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
346	29 EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	N	50	340	0.0403	0.0400	0.0369	315	0.0426	0.0423	0.0390	300	0.0396	0.0393	0.0363	285	0.0409	0.0406	0.0374
347	29 EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	N	50	340	0.0403	0.0400	0.0369	315	0.0426	0.0423	0.0390	300	0.0396	0.0393	0.0363	285	0.0409	0.0406	0.0374
348	29 WB	Tuen Kwai Road	WB	816339.7	830295.8	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	N	50	320	0.0422	0.0420	0.0387	300	0.0448	0.0446	0.0411	280	0.0409	0.0406	0.0375	270	0.0421	0.0419	0.0386
349	29 WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	N	50	320	0.0422	0.0420	0.0387	300	0.0448	0.0446	0.0411	280	0.0409	0.0406	0.0375	270	0.0421	0.0419	0.0386
350	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
351	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
352	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
353	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
354	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
355	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
356	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
357	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
358	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
359	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815856.2	831283.8	0.0	815905.6	831261.5	0.0	At Grade	54	0.0	4.2	10.2	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
360	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815905.6	831261.5	0.0	815927.4	831238.3	0.0	At Grade	32	0.0	3.7	9.7	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
361	34 EB	Access Road to Chung Shan San Hing Tsuen	EB	815927.4	831238.3	0.0	815951.3	831196.5	0.0	At Grade	48	0.0	3.1	9.1	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
362	34 WB	Access Road to Chung Shan San Hing Tsuen	WB	815948.1	831194.3	0.0	815925.7	831237.1																								

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 9			Hour 10			Hour 11			Hour 12						
																			Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
445	41	41_NB	Slip road to Yuen Long Highway	NB	816386.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	N	80	1055	0.0233	0.0232	0.0214	960	0.0230	0.0230	0.0211	910	0.0232	0.0231	0.0213	880	0.0234	0.0233	0.0214	
446	41_NB	816203.3			830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	N	80	1055	0.0233	0.0232	0.0214	960	0.0230	0.0230	0.0211	910	0.0232	0.0231	0.0213	880	0.0234	0.0233	0.0214		
447	41_NB	816230.4			830710.4	7.3	816254.4	830710.4	7.3	Fill	24	7.3	6.7	9.7	N	80	1055	0.0233	0.0232	0.0214	960	0.0230	0.0230	0.0211	910	0.0232	0.0231	0.0213	880	0.0234	0.0233	0.0214		
448	41_NB	816254.4			830710.4	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	N	80	1055	0.0233	0.0232	0.0214	960	0.0230	0.0230	0.0211	910	0.0232	0.0231	0.0213	880	0.0234	0.0233	0.0214		
449	41_NB	816295.3			830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	N	80	1055	0.0233	0.0232	0.0214	960	0.0230	0.0230	0.0211	910	0.0232	0.0231	0.0213	880	0.0234	0.0233	0.0214		
450	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	N	80	1055	0.0233	0.0232	0.0214	960	0.0230	0.0230	0.0211	910	0.0232	0.0231	0.0213	880	0.0234	0.0233	0.0214				
451	42	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	N	50	70	0.0348	0.0344	0.0317	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334	
452	42_NB	815384.9			830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	N	50	70	0.0348	0.0344	0.0317	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334		
453	42_NB	815420.4			830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	N	50	70	0.0348	0.0344	0.0317	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334		
454	42_NB	815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	N	50	70	0.0348	0.0344	0.0317	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334	65	0.0366	0.0362	0.0334				
455	42_SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	N	50	75	0.0332	0.0329	0.0303	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317				
456	42_SB	815490.6	830511.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	N	50	75	0.0332	0.0329	0.0303	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317				
457	42_SB	815426.2	830477.1	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	N	50	75	0.0332	0.0329	0.0303	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317				
458	42_SB	815386.5	830438.9	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	N	50	75	0.0332	0.0329	0.0303	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317	70	0.0348	0.0344	0.0317				
459	89	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	N	50	50	0.0393	0.0389	0.0358	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297	
460	89_EB	814821.1			830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	N	50	50	0.0393	0.0389	0.0358	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297		
461	89_EB	814838.8			830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	N	50	50	0.0393	0.0389	0.0358	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297		
462	89_EB	814894.8			829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	N	50	50	0.0393	0.0389	0.0358	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297	45	0.0324	0.0323	0.0297		
463	89_WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
464	89_WB	814894.4	829990.9	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
465	89_WB	814835.5	830030.6	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
466	89_WB	814821.5	830033.1	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	N	50	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000	0	0.0000	0.0000	0.0000
467	91	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	N	50	450	0.0449	0.0448	0.0412	415	0.0436	0.0435	0.0400	395	0.0446	0.0445	0.0410	370	0.0451	0.0450	0.0414	
468	91_NB	815644.5			830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	N	50	450	0.0449	0.0448	0.0412	415	0.0436	0.0435	0.0400	395	0.0446	0.0445	0.0410	370	0.0451	0.0450	0.0414		
469	91_SB	815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	N	50	570	0.0345	0.0344	0.0317	525	0.0358	0.0357	0.0328	495	0.0337	0.0336	0.0310	470	0.0343	0.0342	0.0315				
470	91_SB	815656.9	830445.0	8.0	815645.1	830376.0	8.0	Fill	70	8.0	5.3	8.3	N	50	570	0.0345	0.0344	0.0317	525	0.0358	0.0357	0.0328	495	0.0337	0.0336	0.0310	470	0.0343	0.0342	0.0315				
471	93	93_NB	Hing Kwai Street	NB	814689.5	830100.5	0.0	814700.0	830125.3	0.0	At Grade	27	0.0	8.8	14.8	N	50	295	0.0187	0.0186	0.0171	270	0.0200	0.0199	0.0183	260	0.0184	0.0183	0.0168	245	0.0185	0.0184	0.0170	
472	93_SB	814715.2	830121.8	0.0	814700.9	830096.7	0.0	At Grade	29	0.0	7.6	13.6	N	50	545	0.0300	0.0300	0.0276	500	0.0305	0.0304	0.0280	470	0.0301	0.0301	0.0277	455	0.0307	0.0306	0.0282				
473	94_NB	814795.8	830022.4	0.0	814781.9	830046.9	0.0	At Grade	28	0.0	7.2	13.2	N	50	210	0.0762	0.0762	0.0701	200	0.0729	0.0729	0.0671	175	0.0783	0.0782	0.0720	175	0.0783	0.0782	0.0720				
474	94_NB	814781.9	830046.9	0.0	814752.8	830071.5	0.0	At Grade	38	0.0	7.9	13.9	N	50	210	0.0762	0.0762	0.0701	200	0.0729	0.0729	0.0671	175	0.0783	0.0782	0.0720	175	0.0783	0.0782	0.0720				
475	94_NB	814752.8	830071.5	0.0	814694.2	830091.3	0.0	At Grade	62	0.0	10.0	16.0	N	50	210	0.0762	0.0762	0.0701	200	0.0729	0.0729	0.0671	175	0.0783	0.0782	0.0720	175	0.0783	0.0782	0.0720				
476	94_SB	814697.8	830104.1	0.0	814755.1	830082.5	0.0	At Grade	61	0.0	7.5	13.5	N	50	340	0.0678	0.0678	0.0624	315	0.0660	0.0659	0.0606	300	0.0685	0.0684	0.0630	275	0.0682	0.0682	0.0609				
477	94_SB	814755.1	830082.5	0.0	814785.9	830058.0	0.0	At Grade	39	0.0	8.0	14.0	N	50	340	0.0678	0.0678	0.0624	315	0.0660	0.0659	0.0606	300	0.0685	0.0684	0.0630	275	0.0682	0.0682	0.0609				
478	94_SB	814785.9	830058.0	0.0	814802.3	830030.1	0.0	At Grade	32	0.0	7.5	13.5	N	50	340	0.0678	0.0678	0.0624	315	0.0660	0.0659	0.0606	300	0.0685										

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 13				Hour 14				Hour 15				Hour 16			
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	N	50	1370	0.0280	0.0279	0.0257	0.0232	1245	0.0243	0.0242	0.0223	1290	0.0241	0.0240	0.0220	1375	0.0279	0.0278	0.0256
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	N	50	845	0.0253	0.0252	0.0232	0.0232	875	0.0252	0.0251	0.0231	935	0.0299	0.0298	0.0274	965	0.0291	0.0290	0.0267
3	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816145.5	830696.2	0.0	816128.1	830649.5	0.0	At Grade	50	0.0	9.2	15.2	N	50	845	0.0253	0.0252	0.0232	0.0232	875	0.0252	0.0251	0.0231	935	0.0299	0.0298	0.0274	965	0.0291	0.0290	0.0267
4	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816128.1	830649.5	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	N	50	845	0.0253	0.0252	0.0232	0.0232	875	0.0252	0.0251	0.0231	935	0.0299	0.0298	0.0274	965	0.0291	0.0290	0.0267
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	N	50	1100	0.0274	0.0273	0.0252	0.0252	1135	0.0273	0.0272	0.0251	1225	0.0280	0.0279	0.0257	1265	0.0273	0.0272	0.0251
6	1b	Tsing Lun Road	EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	N	50	1100	0.0274	0.0273	0.0252	0.0252	1135	0.0273	0.0272	0.0251	1225	0.0280	0.0279	0.0257	1265	0.0273	0.0272	0.0251
7	1b	Tsing Lun Road	EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	N	50	1100	0.0274	0.0273	0.0252	0.0252	1135	0.0273	0.0272	0.0251	1225	0.0280	0.0279	0.0257	1265	0.0273	0.0272	0.0251
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	N	50	1030	0.0254	0.0253	0.0233	0.0233	1070	0.0253	0.0252	0.0232	1145	0.0260	0.0259	0.0239	1185	0.0255	0.0254	0.0234
9	1b	Tsing Lun Road	WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	N	50	1030	0.0254	0.0253	0.0233	0.0233	1070	0.0253	0.0252	0.0232	1145	0.0260	0.0259	0.0239	1185	0.0255	0.0254	0.0234
10	1b	Tsing Lun Road	WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	N	50	1030	0.0254	0.0253	0.0233	0.0233	1070	0.0253	0.0252	0.0232	1145	0.0260	0.0259	0.0239	1185	0.0255	0.0254	0.0234
11	1c	Tsing Lun Road	EB	815785.2	830739.3	8.0	815823.0	830741.6	8.0	Fill	38	8.0	12.9	15.9	N	50	1165	0.0273	0.0272	0.0250	0.0250	1200	0.0266	0.0265	0.0244	1295	0.0273	0.0272	0.0250	1335	0.0271	0.0270	0.0249
12	1c	Tsing Lun Road	EB	815823.0	830741.6	8.0	815870.6	830721.4	8.0	Fill	52	8.0	10.5	10.5	N	50	1165	0.0273	0.0272	0.0250	0.0250	1200	0.0266	0.0265	0.0244	1295	0.0273	0.0272	0.0250	1335	0.0271	0.0270	0.0249
13	1c	Tsing Lun Road	WB	815870.6	830721.4	8.0	815837.0	830724.7	8.0	Fill	49	8.0	8.4	8.4	N	50	1030	0.0254	0.0251	0.0231	0.0231	1070	0.0250	0.0249	0.0230	1145	0.0258	0.0257	0.0237	1185	0.0253	0.0252	0.0232
14	1c	Tsing Lun Road	WB	815837.0	830724.7	8.0	815817.6	830723.9	8.0	Fill	19	8.0	8.4	8.4	N	50	1030	0.0254	0.0251	0.0231	0.0231	1070	0.0250	0.0249	0.0230	1145	0.0258	0.0257	0.0237	1185	0.0253	0.0252	0.0232
15	1c	Tsing Lun Road	WB	815817.6	830723.9	8.0	815794.0	830726.9	8.0	At Grade	24	8.0	8.4	14.4	N	50	1030	0.0254	0.0251	0.0231	0.0231	1070	0.0250	0.0249	0.0230	1145	0.0258	0.0257	0.0237	1185	0.0253	0.0252	0.0232
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	N	50	765	0.0295	0.0294	0.0271	0.0271	785	0.0296	0.0295	0.0271	845	0.0303	0.0303	0.0278	870	0.0296	0.0295	0.0272
17	1d	Tsing Lun Road	NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	N	50	765	0.0295	0.0294	0.0271	0.0271	785	0.0296	0.0295	0.0271	845	0.0303	0.0303	0.0278	870	0.0296	0.0295	0.0272
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	N	50	710	0.0293	0.0292	0.0268	0.0268	730	0.0285	0.0285	0.0262	785	0.0296	0.0295	0.0272	810	0.0289	0.0288	0.0265
19	1d	Tsing Lun Road	SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	N	50	710	0.0293	0.0292	0.0268	0.0268	730	0.0285	0.0285	0.0262	785	0.0296	0.0295	0.0272	810	0.0289	0.0288	0.0265
20	1d	Tsing Lun Road	SB	815724.7	830648.0	0.0	815708.1	830595.1	0.0	Fill	55	8.0	6.5	9.5	N	50	710	0.0293	0.0292	0.0268	0.0268	730	0.0285	0.0285	0.0262	785	0.0296	0.0295	0.0272	810	0.0289	0.0288	0.0265
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	N	50	680	0.0294	0.0293	0.0270	0.0270	700	0.0287	0.0287	0.0264	750	0.0279	0.0278	0.0256	765	0.0274	0.0273	0.0251
22	1e	Tsing Lun Road	NB	815667.2	830496.8	5.7	815675.0	830535.2	5.7	Fill	39	5.7	6.3	9.3	N	50	680	0.0294	0.0293	0.0270	0.0270	700	0.0287	0.0287	0.0264	750	0.0279	0.0278	0.0256	765	0.0274	0.0273	0.0251
23	1e	Tsing Lun Road	NB	815675.0	830535.2	5.7	815673.5	830548.7	5.1	Fill	12	5.1	6.3	9.3	N	50	680	0.0294	0.0293	0.0270	0.0270	700	0.0287	0.0287	0.0264	750	0.0279	0.0278	0.0256	765	0.0274	0.0273	0.0251
24	1e	Tsing Lun Road	NB	815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	N	50	680	0.0294	0.0293	0.0270	0.0270	700	0.0287	0.0287	0.0264	750	0.0279	0.0278	0.0256	765	0.0274	0.0273	0.0251
25	1e	Tsing Lun Road	NB	815677.5	830560.8	5.1	815700.7	830598.3	0.0	At Grade	18	0.0	6.3	12.3	N	50	680	0.0294	0.0293	0.0270	0.0270	700	0.0287	0.0287	0.0264	750	0.0279	0.0278	0.0256	765	0.0274	0.0273	0.0251
26	1e	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	665	0.0279	0.0278	0.0256	0.0256	690	0.0271	0.0271	0.0248	735	0.0265	0.0264	0.0243	750	0.0260	0.0259	0.0239
27	1e	Tsing Lun Road	SB	815702.8	830579.1	0.0	815673.5	830548.7	5.1	Fill	13	5.1	6.2	9.2	N	50	665	0.0279	0.0278	0.0256	0.0256	690	0.0271	0.0271	0.0248	735	0.0265	0.0264	0.0243	750	0.0260	0.0259	0.0239
28	1e	Tsing Lun Road	SB	815673.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	12	5.1	6.2	9.2	N	50	665	0.0279	0.0278	0.0256	0.0256	690	0.0271	0.0271	0.0248	735	0.0265	0.0264	0.0243	750	0.0260	0.0259	0.0239
29	1e	Tsing Lun Road	SB	815677.5	830560.8	5.1	815667.2	830496.8	5.7	Fill	39	5.7	6.2	9.2	N	50	665	0.0279	0.0278	0.0256	0.0256	690	0.0271	0.0271	0.0248	735	0.0265	0.0264	0.0243	750	0.0260	0.0259	0.0239
30	1e	Tsing Lun Road	SB	815667.2	830496.8	5.7	815662.6	830481.9	0.0	At Grade	34	0.0	6.2	12.2	N	50	665	0.0279	0.0278	0.0256	0.0256	690	0.0271	0.0271	0.0248	735	0.0265	0.0264	0.0243	750	0.0260	0.0259	0.0239
31	1f	Tsing Lun Road	NB	815631.9	830282.5	0.0	815627.7	830301.3	0.0	At Grade	39	0.0	3.9	9.9	N	50	345	0.0441	0.0440	0.0405	0.0405	355	0.0429	0.0429	0.0394	380	0.0461	0.0461	0.0424	395	0.0446	0.0445	0.0410
32	1f	Tsing Lun Road	NB	815627.7	830301.3	0.0	815631.9	830328.2	0.0	At Grade	27	0.0	3.8	9.8	N	50	345	0.0441	0.0440	0.0405	0.0405	355	0.0429	0.0429									

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16			
																	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
113	5d_NB			814809.0	830473.3	0.0	814796.2	830515.6	0.0	At Grade	44	0.0	4.6	10.6	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0201	0.0201	245	0.0213	0.0210	0.0192	250	0.0208	0.0191	
114	5d_NB			814796.2	830515.6	0.0	814755.0	830639.0	0.0	At Grade	130	0.0	3.7	9.7	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
115	5d_NB			814755.0	830639.0	0.0	814739.7	830705.2	0.0	At Grade	68	0.0	3.8	9.8	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
116	5d_NB			814739.7	830705.2	0.0	814742.1	830740.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
117	5d_NB			814742.1	830740.3	0.0	814750.4	830766.3	0.0	At Grade	27	0.0	4.0	10.0	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
118	5d_NB			814750.4	830766.3	0.0	814770.6	830797.5	0.0	At Grade	37	0.0	4.0	10.0	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
119	5d_NB			814770.6	830797.5	0.0	814822.6	830841.4	0.0	At Grade	68	0.0	3.8	9.8	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
120	5d_NB			814822.6	830841.4	0.0	814950.6	830933.5	0.0	At Grade	158	0.0	3.7	9.7	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
121	5d_NB			814950.6	830933.5	0.0	814984.8	830954.4	0.0	At Grade	40	0.0	3.7	9.7	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
122	5d_NB			814984.8	830954.4	0.0	815028.6	830972.4	0.0	At Grade	47	0.0	3.7	9.7	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
123	5d_NB			815028.6	830972.4	0.0	815071.6	830985.7	0.0	At Grade	45	0.0	3.7	9.7	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
124	5d_NB			815071.6	830985.7	0.0	815190.2	831014.2	0.0	At Grade	122	0.0	5.4	11.4	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
125	5d_NB			815190.2	831014.2	0.0	815283.8	831037.7	0.0	At Grade	97	0.0	7.7	13.7	N	50	225	0.0225	0.0222	0.0203	230	0.0222	0.0219	0.0201	245	0.0213	0.0210	0.0192	250	0.0211	0.0208	
126	5d_SB			815283.8	831037.7	0.0	815286.2	830981.4	0.0	At Grade	220	0.0	5.6	11.6	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
127	5d_SB			815286.2	830981.4	0.0	815029.3	830969.3	0.0	At Grade	45	0.0	3.7	9.7	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
128	5d_SB			815029.3	830969.3	0.0	814987.7	830950.8	0.0	At Grade	46	0.0	3.7	9.7	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
129	5d_SB			814987.7	830950.8	0.0	814952.6	830930.2	0.0	At Grade	41	0.0	3.7	9.7	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
130	5d_SB			814952.6	830930.2	0.0	814823.9	830837.7	0.0	At Grade	159	0.0	3.5	9.5	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
131	5d_SB			814823.9	830837.7	0.0	814772.6	830793.3	0.0	At Grade	68	0.0	3.8	9.8	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
132	5d_SB			814772.6	830793.3	0.0	814754.7	830763.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
133	5d_SB			814754.7	830763.3	0.0	814745.4	830736.2	0.0	At Grade	29	0.0	4.0	10.0	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
134	5d_SB			814745.4	830736.2	0.0	814743.2	830705.7	0.0	At Grade	31	0.0	4.0	10.0	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
135	5d_SB			814743.2	830705.7	0.0	814758.6	830640.7	0.0	At Grade	67	0.0	3.8	9.8	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
136	5d_SB			814758.6	830640.7	0.0	814774.6	830591.5	0.0	At Grade	52	0.0	3.7	9.7	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
137	5d_SB			814774.6	830591.5	0.0	814815.9	830476.6	0.0	At Grade	122	0.0	7.2	13.2	N	50	70	0.0279	0.0277	0.0255	70	0.0279	0.0277	0.0255	80	0.0251	0.0249	0.0229	80	0.0251	0.0249	
138	5e_NB			814806.2	830307.2	6.4	814807.6	830322.8	6.4	Fill	16	6.4	8.0	11.0	N	50	205	0.0207	0.0206	0.0190	210	0.0203	0.0202	0.0186	225	0.0192	0.0191	0.0175	225	0.0192	0.0191	
139	5e_NB			814807.6	830322.8	6.4	814813.4	830383.7	6.4	At Grade	61	0.0	8.0	14.0	N	50	205	0.0207	0.0206	0.0190	210	0.0203	0.0202	0.0186	225	0.0192	0.0191	0.0175	225	0.0192	0.0191	
140	5e_NB			814813.4	830383.7	6.4	814809.0	830473.3	6.4	At Grade	90	0.0	8.0	14.0	N	50	205	0.0207	0.0206	0.0190	210	0.0203	0.0202	0.0186	225	0.0192	0.0191	0.0175	225	0.0192	0.0191	
141	5f_NB			814815.9	830476.6	0.0	814824.5	830405.3	0.0	At Grade	72	0.0	8.1	14.1	N	50	140	0.0167	0.0166	0.0153	145	0.0163	0.0162	0.0149	150	0.0159	0.0158	0.0145	150	0.0159	0.0158	
142	5f_NB			814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	14.1	N	50	140	0.0167	0.0166	0.0153	145	0.0163	0.0162	0.0149	150	0.0159	0.0158	0.0145	150	0.0159	0.0158	
143	5f_NB			814759.8	830215.9	0.0	814773.3	830235.4	0.0	At Grade	24	0.0	10.5	10.5	N	50	250	0.0205	0.0204	0.0187	255	0.0201	0.0201	0.0184	275	0.0198	0.0198	0.0182	285	0.0192	0.0191	
144	5f_NB			814773.3	830235.4	7.3	814796.5	830282.9	7.3	Fill	53	7.3	4.5	7.5	N	50	250	0.0205	0.0204	0.0187	255	0.0201	0.0201	0.0184	275	0.0198	0.0198	0.0182	285	0.0192	0.0191	
145	5f_NB			814796.5	830282.9	7.3	814801.1	830294.5	7.3	At Grade	13	0.0	4.1	10.1	N	50	250	0.0205	0.0204	0.0187	255	0.0201	0.0201	0.0184	275	0.0198	0.0198	0.0182	285	0.0192	0.0191	
146	5f_NB			814801.1	830294.5	7.3	814806.2	830307.2	7.3	Fill	14	6.4	4.1	7.1	N	50	250	0.0205	0.0204	0.0187	255	0.0201	0.0201	0.0184	275	0.0198	0.0198	0.0182	285	0.0192	0.0191	
147	5f_SB			814820.0	830304.6	0.0	814812.5	830283.6	0.0	At Grade	22	0.0	4.2	10.2	N	50	230	0.0255	0.0254	0.0234	235	0.0250	0.0250	0.0229	250	0.0245	0.0244	0.0224				

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 13				Hour 14				Hour 15				Hour 16							
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	
226	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	15.2	N	70	3620	0.0203	0.0202	0.0186	0.0186	0.0203	0.0202	0.0185	0.0185	0.0203	0.0202	0.0185	0.0185	0.0203	0.0202	0.0185	0.0185	0.0203	0.0202	0.0185	0.0185
227	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	N	70	3620	0.0203	0.0202	0.0186	0.0186	0.0203	0.0202	0.0185	0.0185	0.0203	0.0202	0.0185	0.0185	0.0203	0.0202	0.0185	0.0185	0.0203	0.0202	0.0185	0.0185
228	9a_SB	Tuen Mun Road	NB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	N	70	3715	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204
229	9a_SB	Tuen Mun Road	NB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	N	70	3715	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204
230	9a_SB	Tuen Mun Road	NB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	N	70	3715	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204
231	9a_SB	Tuen Mun Road	NB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	N	70	3715	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204
232	9a_SB	Tuen Mun Road	NB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	N	70	3715	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204
233	9a_SB	Tuen Mun Road	NB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	N	70	3715	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204	0.0223	0.0222	0.0204	0.0204
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816182.2	830903.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
237	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816149.9	830830.8	2.0	816150.0	830792.0	4.0	Bridge	38	3.0	9.4	15.4	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
238	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816150.0	830792.0	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
239	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
240	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
241	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
242	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
243	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	N	70	775	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236	0.0258	0.0257	0.0236	0.0236
244	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	N	50	640	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152
245	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	N	50	640	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152
246	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	N	50	640	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152
247	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	N	50	640	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152
248	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	N	50	640	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152	0.0167	0.0166	0.0152	0.0152
249	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816072.0	830611.0	0.0	At Grade	115	0.0	8.9	14.9	N	50	465	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165
250	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816072.0	830611.0	0.0	816072.8	830662.9	0.0	At Grade	52	0.0	10.2	16.2	N	50	465	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165	0.0180	0.0179	0.0165	0.0165
251	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	N	70	855	0.0272	0.0272	0.0250	0.0250	0.0272	0.0272	0.0250	0.0250	0.0272	0.0272	0.0250	0.0250	0.0272	0.0272	0.0250	0.0250	0.0272	0.0272	0.0250	0.0250
252	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	N	70	855	0.0272	0.0272	0.0250	0.0250	0.0272	0.0272	0.0250	0.0250	0.0272	0.0272	0.0250	0.0250	0.0272	0.0272						

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16			
																	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
329	28_NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
330	28_NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830260.7	0.0	At Grade	15	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
331	28_NB	Tuen Fu Road	NB	816022.9	830260.7	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
332	28_NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
333	28_NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
334	28_NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
335	28_NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
336	28_NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
337	28_NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
338	28_SB	Tuen Fu Road	SB	816234.3	830294.9	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
339	28_SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
340	28_SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
341	28_SB	Tuen Fu Road	SB	816113.0	830248.8	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	9.4	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
342	28_SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
343	28_SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
344	28_SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
345	28_SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
346	29_EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	N	50	265	0.0431	0.0428	0.0394	275	0.0419	0.0416	0.0383	295	0.0401	0.0398	0.0367	300	0.0396	0.0393	0.0363
347	29_EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	N	50	265	0.0431	0.0428	0.0394	275	0.0419	0.0416	0.0383	295	0.0401	0.0398	0.0367	300	0.0396	0.0393	0.0363
348	29_WB	Tuen Kwai Road	WB	816339.7	830295.1	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	N	50	250	0.0446	0.0443	0.0408	260	0.0431	0.0429	0.0395	270	0.0421	0.0419	0.0386	280	0.0409	0.0406	0.0375
349	29_WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	N	50	250	0.0446	0.0443	0.0408	260	0.0431	0.0429	0.0395	270	0.0421	0.0419	0.0386	280	0.0409	0.0406	0.0375
350	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
351	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
352	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
353	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
354	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
355	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
356	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
357	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
358	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
359	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815856.2	831283.8	0.0	815905.6	831261.5	0.0	At Grade	54	0.0	4.2	10.2	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
360	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815905.6	831261.5	0.0	815927.4	831238.3	0.0	At Grade	32	0.0	3.7	9.7	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
361	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815927.4	831238.3	0.0	815951.3	831196.5	0.0	At Grade	48	0.0	3.1	9.1	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
362	34_WB	Access Road to Chung Shan San Hing Tsuen	WB	815948.1	831194.3	0.0	815925.																									

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 13				Hour 14				Hour 15				Hour 16						
																		Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)			
445	41	41_NB	Slip road to Yuen Long Highway	NB	816186.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	N	80	805	0.0244	0.0243	0.0224	835	0.0242	0.0241	0.0222	885	0.0232	0.0232	0.0213	910	0.0232	0.0231	0.0213			
446	41_NB	816203.3			830724.6	7.3	816230.4	830710.4	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	N	80	805	0.0244	0.0243	0.0224	835	0.0242	0.0241	0.0222	885	0.0232	0.0232	0.0213	910	0.0232	0.0231	0.0213	
447	41_NB	816230.4			830710.4	7.3	816254.4	830710.4	7.3	816254.4	830710.4	7.3	Fill	24	7.3	6.7	9.7	N	80	805	0.0244	0.0243	0.0224	835	0.0242	0.0241	0.0222	885	0.0232	0.0232	0.0213	910	0.0232	0.0231	0.0213	
448	41_NB	816254.4			830710.4	7.3	816295.3	830709.7	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	N	80	805	0.0244	0.0243	0.0224	835	0.0242	0.0241	0.0222	885	0.0232	0.0232	0.0213	910	0.0232	0.0231	0.0213	
449	41_NB	816295.3			830709.7	7.3	816318.3	830705.1	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	N	80	805	0.0244	0.0243	0.0224	835	0.0242	0.0241	0.0222	885	0.0232	0.0232	0.0213	910	0.0232	0.0231	0.0213	
450	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	N	80	805	0.0244	0.0243	0.0224	835	0.0242	0.0241	0.0222	885	0.0232	0.0232	0.0213	910	0.0232	0.0231	0.0213			
451	42	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105			
452		42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105
453		42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105
454		42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105
455	42	42_SB	Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105			
456		42_SB			815490.6	830511.1	0.0	815426.2	830477.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105
457		42_SB			815426.2	830477.1	0.0	815386.5	830438.9	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105
458		42_SB			815386.5	830438.9	0.0	815357.2	830397.4	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105
459	89	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619			
460		89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619
461		89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619
462		89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619
463		89_WB	San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	N	50	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190			
464		89_WB			814894.4	829990.9	0.0	814835.5	830030.6	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	N	50	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190				
465		89_WB			814835.5	830030.6	0.0	814821.5	830033.1	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	N	50	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190				
466		89_WB			814821.5	830033.1	0.0	814803.0	830028.8	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	N	50	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190	45	0.0208	0.0207	0.0190				
467	91	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	N	50	345	0.0441	0.0440	0.0405	355	0.0429	0.0429	0.0394	380	0.0461	0.0461	0.0424	395	0.0446	0.0445	0.0410			
468		91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	N	50	345	0.0441	0.0440	0.0405	355	0.0429	0.0429	0.0394	380	0.0461	0.0461	0.0424	395	0.0446	0.0445	0.0410
469		91_SB			815660.9	830465.0	0.0	815656.9	830445.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	N	50	435	0.0311	0.0310	0.0285	445	0.0305	0.0304	0.0280	480	0.0345	0.0345	0.0317	500	0.0334	0.0333	0.0307
470	91_SB	815656.9	830445.0	8.0	815645.1	830376.0	8.0	815645.1	830376.0	8.0	Fill	70	8.0	5.3	8.3	N	50	435	0.0311	0.0310	0.0285	445	0.0305	0.0304	0.0280	480	0.0345	0.0345	0.0317	500	0.0334	0.0333	0.0307			
471	93	93_NB	Hing Kwai Street	NB	814689.5	830100.5	0.0	814700.0	830125.3	0.0	At Grade	27	0.0	8.8	14.8	N	50	230	0.0195	0.0194	0.0178	235	0.0192	0.0191	0.0175	255	0.0186	0.0186	0.0171	260	0.0184	0.0183	0.0168			
472		93_SB	Hing Kwai Street	SB	814715.2	830121.8	0.0	814700.9	830096.7	0.0	At Grade	29	0.0	7.6	13.6	N	50	420	0.0274	0.0274	0.0252	430	0.0305	0.0304	0.0280	465	0.0304	0.0303	0.0279	475	0.0299	0.0298	0.0274			
473	94	94_NB	Tsun Wen Road	NB	814795.8	830022.4	0.0	814781.9	830046.9	0.0	At Grade	28	0.0	7.2	13.2	N	50	165	0.0744	0.0744	0.0684	165	0.0744	0.0744	0.0684	175	0.0783	0.0782	0.0720	175	0.0783	0.0782	0.0720			
474		94_NB			814781.9	830046.9	0.0	814752.8	830071.5	0.0	814752.8	830071.5	0.0	At Grade	38	0.0	7.9	13.9	N	50	165	0.0744	0.0744	0.0684	165	0.0744	0.0744	0.0684	175	0.0783	0.0782	0.0720	175	0.0783	0.0782	0.0720
475		94_NB			814752.8	830071.5	0.0	814694.2	830091.3	0.0	814694.2	830091.3	0.0	At Grade	62	0.0	10.0	16.0	N	50	165	0.0744	0.0744	0.0684	165	0.0744	0.0744	0.0684	175	0.0783	0.0782	0.0720	175	0.0783	0.0782	0.0720
476		94_SB			814697.8	830104.1	0.0	814755.1	830082.5	0.0	814755.1	830082.5	0.0	At Grade	61	0.0	7.5	13.5	N	50	260	0.0689	0.0689	0.0634	270	0.0667	0.0666	0.0613	290	0.0705						

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Table with columns: Index, Road Label, Road Name, Direction, X1, Y1, Z1 (mPD), X2, Y2, Z2 (mPD), Highway Type, Segment Length (m), Mean MPD, Actual Road Width (m), Road Width + L/R Mixing Zone, W, Check Segment Width > Length, Speed limit (kph), Traffic Flows (VPH), Weighted TSP EF (g/veh/mile), Weighted RSP EF (g/veh/mile), Weighted FSP EF (g/veh/mile), Hour 17 Traffic Flows (VPH), Hour 17 Weighted TSP EF (g/veh/mile), Hour 17 Weighted RSP EF (g/veh/mile), Hour 17 Weighted FSP EF (g/veh/mile), Hour 18 Traffic Flows (VPH), Hour 18 Weighted TSP EF (g/veh/mile), Hour 18 Weighted RSP EF (g/veh/mile), Hour 18 Weighted FSP EF (g/veh/mile), Hour 19 Traffic Flows (VPH), Hour 19 Weighted TSP EF (g/veh/mile), Hour 19 Weighted RSP EF (g/veh/mile), Hour 19 Weighted FSP EF (g/veh/mile), Hour 20 Traffic Flows (VPH), Hour 20 Weighted TSP EF (g/veh/mile), Hour 20 Weighted RSP EF (g/veh/mile), Hour 20 Weighted FSP EF (g/veh/mile).

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20			
																	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
113	5d_NB	Road L7	NB	814809.0	830473.3	0.0	814796.2	830515.6	0.0	At Grade	44	0.0	4.6	10.6	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
114	5d_NB	Road L7	NB	814796.2	830515.6	0.0	814755.0	830639.0	0.0	At Grade	130	0.0	3.7	9.7	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
115	5d_NB	Road L7	NB	814755.0	830639.0	0.0	814739.7	830705.2	0.0	At Grade	68	0.0	3.8	9.8	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
116	5d_NB	Road L7	NB	814739.7	830705.2	0.0	814742.1	830740.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
117	5d_NB	Road L7	NB	814742.1	830740.3	0.0	814750.4	830766.3	0.0	At Grade	27	0.0	4.0	10.0	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
118	5d_NB	Road L7	NB	814750.4	830766.3	0.0	814770.6	830797.5	0.0	At Grade	37	0.0	4.0	10.0	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
119	5d_NB	Road L7	NB	814770.6	830797.5	0.0	814822.6	830841.4	0.0	At Grade	68	0.0	3.8	9.8	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
120	5d_NB	Road L7	NB	814822.6	830841.4	0.0	814950.6	830933.5	0.0	At Grade	158	0.0	3.7	9.7	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
121	5d_NB	Road L7	NB	814950.6	830933.5	0.0	814984.8	830954.4	0.0	At Grade	40	0.0	3.7	9.7	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
122	5d_NB	Road L7	NB	814984.8	830954.4	0.0	815028.6	830972.4	0.0	At Grade	47	0.0	3.7	9.7	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
123	5d_NB	Road L7	NB	815028.6	830972.4	0.0	815071.6	830985.7	0.0	At Grade	45	0.0	3.7	9.7	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
124	5d_NB	Road L7	NB	815071.6	830985.7	0.0	815190.2	831014.2	0.0	At Grade	122	0.0	5.4	11.4	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
125	5d_NB	Road L7	NB	815190.2	831014.2	0.0	815283.8	831037.7	0.0	At Grade	97	0.0	7.7	13.7	N	50	260	0.0228	0.0225	0.0206	285	0.0217	0.0214	0.0197	285	0.0217	0.0214	0.0197	245	0.0210	0.0210	0.0192
126	5d_SB	Road L7	SB	815286.7	831030.5	0.0	815072.2	830981.4	0.0	At Grade	220	0.0	5.6	11.6	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
127	5d_SB	Road L7	SB	815072.2	830981.4	0.0	815029.3	830969.3	0.0	At Grade	45	0.0	3.7	9.7	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
128	5d_SB	Road L7	SB	815029.3	830969.3	0.0	814987.7	830950.8	0.0	At Grade	46	0.0	3.7	9.7	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
129	5d_SB	Road L7	SB	814987.7	830950.8	0.0	814952.6	830930.2	0.0	At Grade	41	0.0	3.7	9.7	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
130	5d_SB	Road L7	SB	814952.6	830930.2	0.0	814823.9	830837.7	0.0	At Grade	159	0.0	3.5	9.5	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
131	5d_SB	Road L7	SB	814823.9	830837.7	0.0	814772.6	830793.3	0.0	At Grade	68	0.0	3.8	9.8	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
132	5d_SB	Road L7	SB	814772.6	830793.3	0.0	814754.7	830763.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
133	5d_SB	Road L7	SB	814754.7	830763.3	0.0	814745.4	830736.2	0.0	At Grade	29	0.0	4.0	10.0	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
134	5d_SB	Road L7	SB	814745.4	830736.2	0.0	814743.2	830705.7	0.0	At Grade	31	0.0	4.0	10.0	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
135	5d_SB	Road L7	SB	814743.2	830705.7	0.0	814758.6	830640.7	0.0	At Grade	67	0.0	3.8	9.8	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
136	5d_SB	Road L7	SB	814758.6	830640.7	0.0	814774.6	830591.5	0.0	At Grade	52	0.0	3.7	9.7	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
137	5d_SB	Road L7	SB	814774.6	830591.5	0.0	814815.9	830476.6	0.0	At Grade	122	0.0	7.2	13.2	N	50	80	0.0251	0.0249	0.0229	85	0.0243	0.0241	0.0222	85	0.0243	0.0241	0.0222	80	0.0251	0.0249	0.0229
138	5e_NB	Hing Kwai Street	NB	814806.2	830307.2	6.4	814807.6	830322.8	6.4	Fill	16	6.4	8.0	11.0	N	50	240	0.0206	0.0205	0.0189	260	0.0194	0.0193	0.0178	260	0.0194	0.0193	0.0178	225	0.0192	0.0191	0.0175
139	5e_NB	Hing Kwai Street	NB	814807.6	830322.8	6.4	814813.4	830383.7	6.4	At Grade	61	0.0	8.0	14.0	N	50	240	0.0206	0.0205	0.0189	260	0.0194	0.0193	0.0178	260	0.0194	0.0193	0.0178	225	0.0192	0.0191	0.0175
140	5e_NB	Hing Kwai Street	NB	814813.4	830383.7	6.4	814809.0	830473.3	6.4	At Grade	90	0.0	8.0	14.0	N	50	240	0.0206	0.0205	0.0189	260	0.0194	0.0193	0.0178	260	0.0194	0.0193	0.0178	225	0.0192	0.0191	0.0175
141	5f_NB	Hing Kwai Street	SB	814815.9	830476.6	0.0	814824.5	830405.3	0.0	At Grade	72	0.0	8.1	14.1	N	50	160	0.0154	0.0153	0.0141	175	0.0143	0.0142	0.0131	175	0.0143	0.0142	0.0131	150	0.0159	0.0158	0.0145
142	5f_NB	Hing Kwai Street	SB	814824.5	830405.3	0.0	814820.0	830304.6	0.0	At Grade	101	0.0	8.1	14.1	N	50	160	0.0154	0.0153	0.0141	175	0.0143	0.0142	0.0131	175	0.0143	0.0142	0.0131	150	0.0159	0.0158	0.0145
143	5f_NB	Hing Kwai Street	SB	814820.0	830304.6	0.0	814773.3	830235.4	0.0	At Grade	24	0.0	4.5	10.5	N	50	290	0.0190	0.0189	0.0173	320	0.0194	0.0193	0.0178	320	0.0194	0.0193	0.0178	275	0.0198	0.0198	0.0182
144	5f_NB	Hing Kwai Street	SB	814773.3	830235.4	7.3	814796.5	830282.9	7.3	Fill	53	7.3	4.5	7.5	N	50	290	0.0190	0.0189	0.0173	320	0.0194	0.0193	0.0178	320	0.0194	0.0193	0.0178	275	0.0198	0.0198	0.0182
145	5f_NB	Hing Kwai Street	SB	814796.5	830282.9	7.3	814801.1	830294.5	7.3	At Grade	13	0.0	4.1	10.1	N	50	290	0.0190	0.0189	0.0173	320	0.0194	0.0193	0.0178	320	0.0194	0.0193	0.0178	275	0.0198	0.0198	0.0182
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Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 17				Hour 18				Hour 19				Hour 20			
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)
226	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	15.2	N	70	4375	0.0221	0.0221	0.0203	4765	0.0224	0.0223	0.0205	4810	0.0223	0.0222	0.0204	4060	0.0205	0.0204	0.0187	
227	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	N	70	4375	0.0221	0.0221	0.0203	4765	0.0224	0.0223	0.0205	4810	0.0223	0.0222	0.0204	4060	0.0205	0.0204	0.0187	
228	9a_SB	Tuen Mun Road	NB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	N	70	4490	0.0242	0.0241	0.0221	4890	0.0276	0.0276	0.0254	4935	0.0276	0.0276	0.0254	4160	0.0223	0.0223	0.0204	
229	9a_SB	Tuen Mun Road	NB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	N	70	4490	0.0242	0.0241	0.0221	4890	0.0276	0.0276	0.0254	4935	0.0276	0.0276	0.0254	4160	0.0223	0.0223	0.0204	
230	9a_SB	Tuen Mun Road	NB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	N	70	4490	0.0242	0.0241	0.0221	4890	0.0276	0.0276	0.0254	4935	0.0276	0.0276	0.0254	4160	0.0223	0.0223	0.0204	
231	9a_SB	Tuen Mun Road	NB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	N	70	4490	0.0242	0.0241	0.0221	4890	0.0276	0.0276	0.0254	4935	0.0276	0.0276	0.0254	4160	0.0223	0.0223	0.0204	
232	9a_SB	Tuen Mun Road	NB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	N	70	4490	0.0242	0.0241	0.0221	4890	0.0276	0.0276	0.0254	4935	0.0276	0.0276	0.0254	4160	0.0223	0.0223	0.0204	
233	9a_SB	Tuen Mun Road	NB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	N	70	4490	0.0242	0.0241	0.0221	4890	0.0276	0.0276	0.0254	4935	0.0276	0.0276	0.0254	4160	0.0223	0.0223	0.0204	
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816182.2	830903.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816160.0	830865.3	1.2	816149.9	830830.8	2.0	Bridge	36	1.6	9.0	15.0	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
237	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816149.9	830830.8	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
238	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
239	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
240	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
241	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
242	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
243	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	NB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	N	70	935	0.0249	0.0248	0.0228	1015	0.0248	0.0248	0.0228	1020	0.0247	0.0247	0.0228	865	0.0254	0.0253	0.0233	
244	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	N	50	780	0.0166	0.0165	0.0152	840	0.0189	0.0188	0.0173	845	0.0188	0.0187	0.0172	705	0.0163	0.0162	0.0149	
245	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	N	50	780	0.0166	0.0165	0.0152	840	0.0189	0.0188	0.0173	845	0.0188	0.0187	0.0172	705	0.0163	0.0162	0.0149	
246	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	N	50	780	0.0166	0.0165	0.0152	840	0.0189	0.0188	0.0173	845	0.0188	0.0187	0.0172	705	0.0163	0.0162	0.0149	
247	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	N	50	780	0.0166	0.0165	0.0152	840	0.0189	0.0188	0.0173	845	0.0188	0.0187	0.0172	705	0.0163	0.0162	0.0149	
248	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	NB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	N	50	780	0.0166	0.0165	0.0152	840	0.0189	0.0188	0.0173	845	0.0188	0.0187	0.0172	705	0.0163	0.0162	0.0149	
249	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816072.0	830611.0	0.0	At Grade	115	0.0	8.9	14.9	N	50	555	0.0178	0.0177	0.0163	600	0.0177	0.0177	0.0162	605	0.0176	0.0175	0.0161	520	0.0183	0.0182	0.0168	
250	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816072.0	830611.0	0.0	816072.8	830662.9	0.0	At Grade	52	0.0	10.2	16.2	N	50	555	0.0178	0.0177	0.0163	600	0.0177	0.0177	0.0162	605	0.0176	0.0175	0.0161	520	0.0183	0.0182	0.0168	
251	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	N	70	1035	0.0267	0.0267	0.0245	1120	0.0267	0.0267	0.0245	1125	0.0266	0.0266	0.0244	960	0.0268	0.0268	0.0247	
252	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	N	70	1035	0.0267	0.0267	0.0245	1120	0.0267	0.0267	0.0245	1125	0.0266	0.0266	0.0244	960	0.0268	0.0268	0.0247	
253	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	N	70	1035	0.0267	0.0267	0.0245	1120	0.0267	0.0267	0.0245	1125	0.0266	0.0266	0.0244	960	0.0268	0.0268	0.0247	
254	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816051.4	830655.2	6.5	816058.1	830675.4	6.5	Bridge	21	6.5	6.9	12.9	N	70	1035	0.0267	0.0267	0.0245	1120	0.0267	0.0267	0.0245	1125	0.0266	0.0266	0.0244	960	0.0268	0.0268	0.0247	
255	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816058.1	830675.4	6.5	816090.2	830749.8	3.2	Fill	81	4.9	4.4	10.4	N	70	1035	0.0267	0.0267	0.0245	1120	0.0267	0.0267	0.0245	1125	0.0266	0.0266	0.0244	960	0.0268	0.0268	0.0247	
256	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816090.2	830749.8	3.2	816130.2	830831.4	0.0	Fill	91	1.6	4.1	10.1	N	70	1035	0.0267	0.0267	0.0245	1120	0.0267	0.0267	0.0245	1125	0.0266	0.0266	0.0244	960	0.0268	0.0268	0.0247	
257	9f_SB	Castle Peak Road - Lam Tei	NB	816182.2	830903.9	0.0	816253.9	831045.3	0.0	At Grade	158	0.0	5.4	11.4	N	70	1540	0.0259	0.0258	0.0237	1670	0.0300	0.030										

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20			
																	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)
329	28_NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
330	28_NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
331	28_NB	Tuen Fu Road	NB	816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
332	28_NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
333	28_NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
334	28_NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
335	28_NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
336	28_NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
337	28_NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
338	28_SB	Tuen Fu Road	SB	816234.3	830298.6	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
339	28_SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
340	28_SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
341	28_SB	Tuen Fu Road	SB	816113.0	830248.8	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	4.3	9.4	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
342	28_SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
343	28_SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
344	28_SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
345	28_SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	N	50	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086	15	0.0097	0.0093	0.0086
346	29_EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	N	50	320	0.0423	0.0420	0.0387	340	0.0403	0.0400	0.0369	340	0.0403	0.0400	0.0369	295	0.0401	0.0398	0.0367
347	29_EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	N	50	320	0.0423	0.0420	0.0387	340	0.0403	0.0400	0.0369	340	0.0403	0.0400	0.0369	295	0.0401	0.0398	0.0367
348	29_WB	Tuen Kwai Road	WB	816339.7	830295.1	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	N	50	300	0.0448	0.0446	0.0411	320	0.0422	0.0420	0.0387	320	0.0422	0.0420	0.0387	275	0.0416	0.0413	0.0381
349	29_WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	N	50	300	0.0448	0.0446	0.0411	320	0.0422	0.0420	0.0387	320	0.0422	0.0420	0.0387	275	0.0416	0.0413	0.0381
350	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
351	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
352	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
353	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
354	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
355	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
356	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
357	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
358	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
359	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815856.2	831283.8	0.0	815905.6	831261.5	0.0	At Grade	54	0.0	4.2	10.2	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
360	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815905.6	831261.5	0.0	815927.4	831238.3	0.0	At Grade	32	0.0	3.7	9.7	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
361	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815927.4	831238.3	0.0	815951.3	831196.5	0.0	At Grade	48	0.0	3.1	9.1	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029
362	34_WB	Access Road to Chung Shan San Hing Tsuen	WB	815948.1	831194.3	0.0	815925.																									

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 17				Hour 18				Hour 19				Hour 20				
																		Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	
445	41	41_NB	Slip road to Yuen Long Highway	NB	816386.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	N	80	965	0.0229	0.0229	0.0210	1050	0.0234	0.0233	0.0215	1055	0.0233	0.0232	0.0214	895	0.0236	0.0235	0.0217	
446	41_NB	816203.3			830724.6	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	N	80	965	0.0229	0.0229	0.0210	1050	0.0234	0.0233	0.0215	1055	0.0233	0.0232	0.0214	895	0.0236	0.0235	0.0217		
447	41_NB	816230.4			830710.4	7.3	816254.4	830710.4	7.3	Fill	24	7.3	6.7	9.7	N	80	965	0.0229	0.0229	0.0210	1050	0.0234	0.0233	0.0215	1055	0.0233	0.0232	0.0214	895	0.0236	0.0235	0.0217		
448	41_NB	816254.4			830710.4	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	N	80	965	0.0229	0.0229	0.0210	1050	0.0234	0.0233	0.0215	1055	0.0233	0.0232	0.0214	895	0.0236	0.0235	0.0217		
449	41_NB	816295.3			830709.7	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	N	80	965	0.0229	0.0229	0.0210	1050	0.0234	0.0233	0.0215	1055	0.0233	0.0232	0.0214	895	0.0236	0.0235	0.0217		
450	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	N	80	965	0.0229	0.0229	0.0210	1050	0.0234	0.0233	0.0215	1055	0.0233	0.0232	0.0214	895	0.0236	0.0235	0.0217				
451	42	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
452		42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
453		42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
454		42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
455	42	42_SB	Road L54B	SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
456		42_SB			815490.6	830511.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
457		42_SB			815426.2	830477.1	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
458		42_SB			815386.5	830438.9	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	N	50	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	25	0.0118	0.0114	0.0105	
459	89	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	
460		89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	
461		89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	
462		89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	N	50	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	20	0.0674	0.0674	0.0619	
463		89	89_WB	San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	N	50	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	45	0.0208	0.0207	0.0190
464			89_WB			814894.4	829990.9	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	N	50	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	45	0.0208	0.0207	0.0190
465			89_WB			814835.5	830030.6	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	N	50	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	45	0.0208	0.0207	0.0190
466			89_WB			814821.5	830033.1	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	N	50	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	50	0.0208	0.0208	0.0191	45	0.0208	0.0207	0.0190
467	91	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	N	50	415	0.0436	0.0435	0.0400	450	0.0449	0.0448	0.0412	450	0.0449	0.0448	0.0412	380	0.0461	0.0461	0.0424	
468		91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	N	50	415	0.0436	0.0435	0.0400	450	0.0449	0.0448	0.0412	450	0.0449	0.0448	0.0412	380	0.0461	0.0461	0.0424	
469		91_SB			815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	N	50	525	0.0358	0.0357	0.0328	565	0.0347	0.0347	0.0319	570	0.0345	0.0344	0.0317	480	0.0345	0.0345	0.0317	
470	91_SB	815656.9	830445.0	8.0	815645.1	830376.0	8.0	Fill	70	8.0	5.3	8.3	N	50	525	0.0358	0.0357	0.0328	565	0.0347	0.0347	0.0319	570	0.0345	0.0344	0.0317	480	0.0345	0.0345	0.0317				
471	93	93_NB	Hing Kwai Street	NB	814689.5	830100.5	0.0	814700.0	830125.3	0.0	At Grade	27	0.0	8.8	14.8	N	50	270	0.0200	0.0199	0.0183	295	0.0187	0.0186	0.0171	295	0.0187	0.0186	0.0171	255	0.0186	0.0186	0.0171	
472		93_SB	814715.2	830121.8	0.0	814700.9	830096.7	0.0	At Grade	29	0.0	7.6	13.6	N	50	505	0.0303	0.0302	0.0278	540	0.0303	0.0302	0.0278	545	0.0300	0.0300	0.0276	465	0.0304	0.0303	0.0279			
473	94	94_NB	Tsun Wen Road	NB	814795.8	830022.4	0.0	814781.9	830046.9	0.0	At Grade	28	0.0	7.2	13.2	N	50	200	0.0729	0.0729	0.0671	210	0.0762	0.0762	0.0701	210	0.0762	0.0762	0.0701	175	0.0783	0.0782	0.0720	
474		94_NB			814781.9	830046.9	0.0	814752.8	830071.5	0.0	At Grade	38	0.0	7.9	13.9	N	50	200	0.0729	0.0729	0.0671	210	0.0762	0.0762	0.0701	210	0.0762	0.0762	0.0701	175	0.0783	0.0782	0.0720	
475		94_NB			814752.8	830071.5	0.0	814694.2	830091.3	0.0	At Grade	62	0.0	10.0	16.0	N	50	200	0.0729	0.0729	0.0671	210	0.0762	0.0762	0.0701	210	0.0762	0.0762	0.0701	175	0.0783	0.0782	0.0720	
476		94_SB			814697.8	830104.1	0.0	814755.1	830082.5	0.0	At Grade	61	0.0	7.5	13.5	N	50	315	0.0660	0.0659	0.0606	340	0.0678	0.0678	0.0624	340	0.0678	0.0678	0.0624	295	0.0694	0.0694	0.0638	
477		94_SB			814755.1	830082.5	0.0	814785.9	830058.0	0.0	At Grade	39	0.0	8.0	14.0	N	50	315	0.0660	0.0659	0.0606	340	0.0678	0.0678	0.0624	340	0.0678	0.0678	0.0624	295	0.0694	0.0694	0.0638	
478	94_SB	814785.9	830058.0	0.0	814802.3	830030.1	0.0	At Grade	32	0.0	7.5	13.5	N	50	315	0.0660	0.0659	0.0606	340	0.0678	0.0678	0.0624	340	0.0678	0.0678	0.0624	295	0.						

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 21				Hour 22				Hour 23				Hour 24			
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted SO <sub>2</sub> EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)
1	1a	Slip Road from Lam Tei Interchange to Castle Peak Road	NB	816072.8	830662.9	0.0	816159.9	830733.2	0.0	At Grade	112	0.0	10.8	16.8	N	50	1390	0.0277	0.0276	0.0254	0.0254	1095	0.0232	0.0232	0.0213	1005	0.0242	0.0241	0.0223	960	0.0243	0.0242	0.0223
2	1a	Slip road from Castle Peak Road to Lam Tei Interchange	SB	816166.8	830725.9	0.0	816145.5	830696.2	0.0	At Grade	37	0.0	9.2	15.2	N	50	755	0.0262	0.0261	0.0240	0.0240	680	0.0254	0.0253	0.0232	660	0.0261	0.0260	0.0239	480	0.0252	0.0251	0.0231
3	1a		SB	816145.5	830696.2	0.0	816128.1	830649.5	0.0	At Grade	50	0.0	9.2	15.2	N	50	755	0.0262	0.0261	0.0240	0.0240	680	0.0254	0.0253	0.0232	660	0.0261	0.0260	0.0239	480	0.0252	0.0251	0.0231
4	1a		SB	816128.1	830649.5	0.0	816087.6	830636.4	0.0	At Grade	43	0.0	9.2	15.2	N	50	755	0.0262	0.0261	0.0240	0.0240	680	0.0254	0.0253	0.0232	660	0.0261	0.0260	0.0239	480	0.0252	0.0251	0.0231
5	1b	Tsing Lun Road	EB	815870.6	830721.4	0.0	815963.4	830705.9	0.0	At Grade	94	0.0	7.4	13.4	N	50	980	0.0275	0.0274	0.0252	0.0252	885	0.0238	0.0237	0.0218	865	0.0243	0.0242	0.0223	630	0.0240	0.0239	0.0220
6	1b		EB	815963.4	830705.9	0.0	816038.7	830681.9	0.0	At Grade	79	0.0	7.1	13.1	N	50	980	0.0275	0.0274	0.0252	0.0252	885	0.0238	0.0237	0.0218	865	0.0243	0.0242	0.0223	630	0.0240	0.0239	0.0220
7	1b		EB	816038.7	830681.9	0.0	816107.9	830669.8	0.0	At Grade	70	0.0	7.0	13.0	N	50	980	0.0275	0.0274	0.0252	0.0252	885	0.0238	0.0237	0.0218	865	0.0243	0.0242	0.0223	630	0.0240	0.0239	0.0220
8	1b	Tsing Lun Road	WB	816087.6	830636.4	0.0	816035.0	830669.9	0.0	At Grade	62	0.0	7.8	13.8	N	50	920	0.0257	0.0256	0.0236	0.0236	835	0.0219	0.0218	0.0201	805	0.0226	0.0225	0.0207	590	0.0224	0.0223	0.0205
9	1b		WB	816035.0	830669.9	0.0	815980.9	830693.1	0.0	At Grade	59	0.0	7.2	13.2	N	50	920	0.0257	0.0256	0.0236	0.0236	835	0.0219	0.0218	0.0201	805	0.0226	0.0225	0.0207	590	0.0224	0.0223	0.0205
10	1b		WB	815980.9	830693.1	0.0	815883.6	830709.1	0.0	At Grade	99	0.0	9.0	15.0	N	50	920	0.0257	0.0256	0.0236	0.0236	835	0.0219	0.0218	0.0201	805	0.0226	0.0225	0.0207	590	0.0224	0.0223	0.0205
11	1c	Tsing Lun Road	EB	815785.2	830739.3	8.0	815823.0	830741.6	8.0	Fill	38	8.0	12.9	15.9	N	50	1040	0.0274	0.0273	0.0252	0.0252	935	0.0266	0.0265	0.0244	910	0.0272	0.0271	0.0250	660	0.0239	0.0238	0.0219
12	1c		EB	815823.0	830741.6	8.0	815870.6	830721.4	8.0	Fill	52	8.0	10.5	10.5	N	50	1040	0.0274	0.0273	0.0252	0.0252	935	0.0266	0.0265	0.0244	910	0.0272	0.0271	0.0250	660	0.0239	0.0238	0.0219
13	1c	Tsing Lun Road	WB	815883.6	830709.1	6.4	815837.0	830724.7	6.4	Fill	49	6.4	8.4	8.4	N	50	920	0.0254	0.0253	0.0233	0.0233	835	0.0216	0.0215	0.0198	805	0.0223	0.0222	0.0204	585	0.0222	0.0221	0.0203
14	1c		WB	815837.0	830724.7	6.4	815817.6	830723.9	6.4	Fill	19	6.4	8.4	8.4	N	50	920	0.0254	0.0253	0.0233	0.0233	835	0.0216	0.0215	0.0198	805	0.0223	0.0222	0.0204	585	0.0222	0.0221	0.0203
15	1c		WB	815817.6	830723.9	6.4	815794.0	830726.9	6.4	At Grade	24	0.0	8.4	14.4	N	50	920	0.0254	0.0253	0.0233	0.0233	835	0.0216	0.0215	0.0198	805	0.0223	0.0222	0.0204	585	0.0222	0.0221	0.0203
16	1d	Tsing Lun Road	NB	815700.7	830598.3	8.0	815731.9	830682.2	8.0	Fill	89	8.0	7.3	10.3	N	50	675	0.0286	0.0285	0.0262	0.0262	610	0.0297	0.0296	0.0272	595	0.0303	0.0302	0.0278	435	0.0283	0.0282	0.0259
17	1d		NB	815731.9	830682.2	8.0	815785.2	830739.3	8.0	Fill	78	8.0	7.3	10.3	N	50	675	0.0286	0.0285	0.0262	0.0262	610	0.0297	0.0296	0.0272	595	0.0303	0.0302	0.0278	435	0.0283	0.0282	0.0259
18	1d	Tsing Lun Road	SB	815794.0	830726.9	0.0	815737.3	830680.1	0.0	At Grade	74	0.0	7.8	13.8	N	50	635	0.0292	0.0291	0.0267	0.0267	570	0.0287	0.0286	0.0263	545	0.0288	0.0287	0.0264	400	0.0289	0.0288	0.0265
19	1d		SB	815737.3	830680.1	0.0	815724.7	830648.0	0.0	At Grade	34	0.0	6.6	12.6	N	50	635	0.0292	0.0291	0.0267	0.0267	570	0.0287	0.0286	0.0263	545	0.0288	0.0287	0.0264	400	0.0289	0.0288	0.0265
20	1d		SB	815724.7	830648.0	0.0	815708.1	830595.1	0.0	Fill	55	8.0	6.5	9.5	N	50	635	0.0292	0.0291	0.0267	0.0267	570	0.0287	0.0286	0.0263	545	0.0288	0.0287	0.0264	400	0.0289	0.0288	0.0265
21	1e	Tsing Lun Road	NB	815655.9	830463.7	0.0	815667.2	830496.8	0.0	At Grade	35	0.0	6.3	12.3	N	50	605	0.0278	0.0277	0.0255	0.0255	545	0.0287	0.0286	0.0263	535	0.0292	0.0291	0.0267	390	0.0295	0.0294	0.0270
22	1e		NB	815667.2	830496.8	5.7	815675.0	830535.2	5.7	Fill	39	5.7	6.3	9.3	N	50	605	0.0278	0.0277	0.0255	0.0255	545	0.0287	0.0286	0.0263	535	0.0292	0.0291	0.0267	390	0.0295	0.0294	0.0270
23	1e		NB	815675.0	830535.2	5.7	815677.5	830548.7	5.7	Fill	12	5.1	6.3	9.3	N	50	605	0.0278	0.0277	0.0255	0.0255	545	0.0287	0.0286	0.0263	535	0.0292	0.0291	0.0267	390	0.0295	0.0294	0.0270
24	1e		NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	N	50	605	0.0278	0.0277	0.0255	0.0255	545	0.0287	0.0286	0.0263	535	0.0292	0.0291	0.0267	390	0.0295	0.0294	0.0270
25	1e		NB	815677.5	830548.7	5.1	815677.5	830560.8	5.1	Fill	13	5.1	6.3	9.3	N	50	605	0.0278	0.0277	0.0255	0.0255	545	0.0287	0.0286	0.0263	535	0.0292	0.0291	0.0267	390	0.0295	0.0294	0.0270
26	1e	Tsing Lun Road	SB	815708.1	830595.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	590	0.0260	0.0259	0.0239	0.0239	535	0.0266	0.0265	0.0244	520	0.0272	0.0271	0.0250	380	0.0265	0.0264	0.0243
27	1e		SB	815702.8	830579.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	590	0.0260	0.0259	0.0239	0.0239	535	0.0266	0.0265	0.0244	520	0.0272	0.0271	0.0250	380	0.0265	0.0264	0.0243
28	1e		SB	815702.8	830579.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	590	0.0260	0.0259	0.0239	0.0239	535	0.0266	0.0265	0.0244	520	0.0272	0.0271	0.0250	380	0.0265	0.0264	0.0243
29	1e		SB	815702.8	830579.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	590	0.0260	0.0259	0.0239	0.0239	535	0.0266	0.0265	0.0244	520	0.0272	0.0271	0.0250	380	0.0265	0.0264	0.0243
30	1e		SB	815702.8	830579.1	0.0	815702.8	830579.1	0.0	At Grade	17	0.0	6.2	12.2	N	50	590	0.0260	0.0259	0.0239	0.0239	535	0.0266	0.0265	0.0244	520	0.0272	0.0271	0.0250	380	0.0265	0.0264	0.0243
31	1f	Tsing Lun Road	NB	815631.9	830282.5	0.0	815627.7	830301.3	0.0	At Grade	39	0.0	3.9	9.9	N	50	310	0.0462	0.0461	0.0425	0.0425	275	0.0429	0.0428	0.0394	265	0.0445	0.0444	0.0408	190	0.0444	0.0444	0.0408
32	1f		NB	815627.7	830301.3	0.0	815631.9	830328.2	0.0	At Grade	27	0.0	3.8	9.8	N	50	310	0.0462	0.0461	0.0425	0.0425	275	0.0429	0.0428	0.0394	265	0.0445	0.0444	0.0408	190	0.0444	0.0444	0.0408
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Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1		Y1		Z1 (mPD)		X2		Y2		Z2 (mPD)		Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 21				Hour 22				Hour 23				Hour 24			
				X1	Y1	Z1	X2	Y2	Z2	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)									Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Weighted PSP EF (g/veh/mile)			
113	5d_NB			814809.0	830473.3	0.0	814796.2	830515.6	0.0	At Grade	44	0.0	4.6	10.6	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
114	5d_NB			814796.2	830515.6	0.0	814755.0	830639.0	0.0	At Grade	130	0.0	3.7	9.7	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
115	5d_NB			814755.0	830639.0	0.0	814739.7	830705.2	0.0	At Grade	68	0.0	3.8	9.8	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
116	5d_NB			814739.7	830705.2	0.0	814742.1	830740.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
117	5d_NB			814742.1	830740.3	0.0	814750.4	830766.3	0.0	At Grade	27	0.0	4.0	10.0	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
118	5d_NB			814750.4	830766.3	0.0	814770.6	830797.5	0.0	At Grade	37	0.0	4.0	10.0	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
119	5d_NB			814770.6	830797.5	0.0	814822.6	830841.4	0.0	At Grade	68	0.0	3.8	9.8	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
120	5d_NB			814822.6	830841.4	0.0	814950.6	830933.5	0.0	At Grade	158	0.0	3.7	9.7	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
121	5d_NB			814950.6	830933.5	0.0	814984.8	830954.4	0.0	At Grade	40	0.0	3.7	9.7	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
122	5d_NB			814984.8	830954.4	0.0	815028.6	830972.4	0.0	At Grade	47	0.0	3.7	9.7	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
123	5d_NB			815028.6	830972.4	0.0	815071.6	830985.7	0.0	At Grade	45	0.0	3.7	9.7	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
124	5d_NB			815071.6	830985.7	0.0	815190.2	831014.2	0.0	At Grade	122	0.0	5.4	11.4	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
125	5d_NB			815190.2	831014.2	0.0	815283.8	831037.7	0.0	At Grade	97	0.0	7.7	13.7	N	50	190	0.0223	0.0220	0.0202	0.0202	170	0.0206	0.0203	0.0186	165	0.0209	0.0205	0.0188	130	0.0217	0.0214	0.0197						
126	5d_SB			815283.8	831037.7	0.0	815286.7	831030.5	0.0	At Grade	220	0.0	5.6	11.6	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
127	5d_SB			815286.7	831030.5	0.0	815022.3	830981.4	0.0	At Grade	45	0.0	3.7	9.7	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
128	5d_SB			815022.3	830981.4	0.0	815029.3	830969.3	0.0	At Grade	46	0.0	3.7	9.7	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
129	5d_SB			815029.3	830969.3	0.0	814987.7	830950.8	0.0	At Grade	41	0.0	3.7	9.7	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
130	5d_SB			814987.7	830950.8	0.0	814952.6	830930.2	0.0	At Grade	159	0.0	3.5	9.5	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
131	5d_SB			814952.6	830930.2	0.0	814823.9	830837.7	0.0	At Grade	68	0.0	3.8	9.8	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
132	5d_SB			814823.9	830837.7	0.0	814772.6	830793.3	0.0	At Grade	35	0.0	4.0	10.0	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
133	5d_SB			814772.6	830793.3	0.0	814754.7	830763.3	0.0	At Grade	29	0.0	4.0	10.0	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
134	5d_SB			814754.7	830763.3	0.0	814745.4	830736.2	0.0	At Grade	31	0.0	4.0	10.0	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
135	5d_SB			814745.4	830736.2	0.0	814743.2	830705.7	0.0	At Grade	67	0.0	3.8	9.8	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
136	5d_SB			814743.2	830705.7	0.0	814758.6	830640.7	0.0	At Grade	52	0.0	3.7	9.7	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
137	5d_SB			814758.6	830640.7	0.0	814774.6	830591.5	0.0	At Grade	122	0.0	7.2	13.2	N	50	55	0.0239	0.0237	0.0218	0.0218	55	0.0239	0.0237	0.0218	55	0.0239	0.0237	0.0218	30	0.0257	0.0255	0.0234						
138	5e_NB			814806.2	830307.2	6.4	814807.6	830322.8	6.4	Fill	16	6.4	8.0	11.0	N	50	170	0.0181	0.0180	0.0166	0.0166	160	0.0190	0.0189	0.0174	160	0.0190	0.0189	0.0174	110	0.0191	0.0190	0.0175						
139	5e_NB			814807.6	830322.8	6.4	814813.4	830383.7	6.4	At Grade	61	0.0	8.0	14.0	N	50	170	0.0181	0.0180	0.0166	0.0166	160	0.0190	0.0189	0.0174	160	0.0190	0.0189	0.0174	110	0.0191	0.0190	0.0175						
140	5e_NB			814813.4	830383.7	6.4	814809.0	830473.3	6.4	At Grade	90	0.0	8.0	14.0	N	50	170	0.0181	0.0180	0.0166	0.0166	160	0.0190	0.0189	0.0174	160	0.0190	0.0189	0.0174	110	0.0191	0.0190	0.0175						
141	5e_SB			814809.0	830473.3	6.4	814815.9	830405.3	6.4	At Grade	72	0.0	8.1	14.1	N	50	125	0.0138	0.0137	0.0126	0.0126	115	0.0142	0.0141	0.0130	110	0.0142	0.0141	0.0130	70	0.0144	0.0143	0.0134						
142	5e_SB			814815.9	830405.3	6.4	814820.0	830304.6	6.4	At Grade	101	0.0	8.1	14.1	N	50	125	0.0138	0.0137	0.0126	0.0126	115	0.0142	0.0141	0.0130	110	0.0142	0.0141	0.0130	70	0.0144	0.0143	0.0134						
143	5f_NB			814759.8	830215.9	0.0	814773.3	830235.4	0.0	At Grade	24	0.0	4.5	10.5	N	50	215	0.0188	0.0187	0.0172	0.0172	195	0.0201	0.0201	0.0184	190	0.0206	0.0205	0.0188	135	0.0215	0.0215	0.0197						
144	5f_NB			814773.3	830235.4	7.3	814796.5	830282.9	7.3	Fill	53	7.3	4.5	7.5	N	50	215	0.0188	0.0187	0.0172	0.0172	195	0.0201	0.0201	0.0184	190	0.0206	0.0205	0.0188	135	0.0215	0.0215	0.0197						
145	5f_NB			814796.5	830282.9	7.3																																	

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean MPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Traffic Flows (VPH)	Hour 21				Hour 22				Hour 23				Hour 24						
																		Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted NOx EF (g/veh/mile)	Weighted CO EF (g/veh/mile)
226	9a_NB	Tuen Mun Road	NB	815909.1	830180.4	0.0	815938.0	830279.8	0.0	At Grade	103	0.0	9.2	15.2	N	70	3240	0.0197	0.0196	0.0181	0.0181	2920	0.0196	0.0195	0.0180	0.0180	2820	0.0197	0.0196	0.0181	0.0181	2095	0.0196	0.0191	0.0191	0.0176
227	9a_SB	Tuen Mun Road	NB	815938.0	830279.8	0.0	815975.6	830416.8	0.0	At Grade	142	0.0	10.2	16.2	N	70	3240	0.0197	0.0196	0.0181	0.0181	2920	0.0196	0.0195	0.0180	0.0180	2820	0.0197	0.0196	0.0181	0.0181	2095	0.0196	0.0191	0.0191	0.0176
228	9a_NB	Tuen Mun Road	NB	816026.0	830477.2	0.0	816002.4	830429.0	0.0	At Grade	54	0.0	17.3	23.3	N	70	3320	0.0212	0.0211	0.0195	0.0195	3010	0.0215	0.0215	0.0198	0.0198	2890	0.0216	0.0216	0.0198	0.0198	2145	0.0206	0.0206	0.0206	0.0190
229	9a_SB	Tuen Mun Road	NB	815990.9	830432.7	12.0	815975.8	830391.5	8.0	Fill	44	10.0	13.4	16.4	N	70	3320	0.0212	0.0211	0.0195	0.0195	3010	0.0215	0.0215	0.0198	0.0198	2890	0.0216	0.0216	0.0215	0.0198	2145	0.0206	0.0206	0.0206	0.0190
230	9a_NB	Tuen Mun Road	NB	815975.8	830391.5	8.0	815967.1	830363.8	7.0	Fill	29	7.5	12.5	15.5	N	70	3320	0.0212	0.0211	0.0195	0.0195	3010	0.0215	0.0215	0.0198	0.0198	2890	0.0216	0.0216	0.0215	0.0198	2145	0.0206	0.0206	0.0206	0.0190
231	9a_SB	Tuen Mun Road	NB	815967.1	830363.8	7.0	815959.3	830338.2	7.2	Fill	27	7.1	12.1	15.1	N	70	3320	0.0212	0.0211	0.0195	0.0195	3010	0.0215	0.0215	0.0198	0.0198	2890	0.0216	0.0216	0.0215	0.0198	2145	0.0206	0.0206	0.0206	0.0190
232	9a_NB	Tuen Mun Road	NB	815959.3	830338.2	7.2	815932.7	830247.0	10.0	Fill	95	8.6	12.0	15.0	N	70	3320	0.0212	0.0211	0.0195	0.0195	3010	0.0215	0.0215	0.0198	0.0198	2890	0.0216	0.0216	0.0215	0.0198	2145	0.0206	0.0206	0.0206	0.0190
233	9a_SB	Tuen Mun Road	NB	815932.7	830247.0	10.0	815912.7	830179.1	7.8	Fill	71	8.9	11.6	14.6	N	70	3320	0.0212	0.0211	0.0195	0.0195	3010	0.0215	0.0215	0.0198	0.0198	2890	0.0216	0.0216	0.0215	0.0198	2145	0.0206	0.0206	0.0206	0.0190
234	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816182.2	83093.9	0.0	816171.1	830884.6	0.0	At Grade	22	0.0	7.2	13.2	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
235	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816171.1	830884.6	0.0	816160.0	830865.3	1.2	Fill	22	0.6	7.7	13.7	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
236	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816160.0	830865.3	1.2	816149.9	830832.9	2.0	Bridge	36	1.6	9.0	15.0	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
237	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816149.9	830832.9	2.0	816150.0	830792.9	4.0	Bridge	38	3.0	9.4	15.4	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
238	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816150.0	830792.9	4.0	816159.7	830750.6	4.0	Bridge	43	4.0	10.6	16.6	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
239	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816159.7	830750.6	4.0	816178.8	830657.9	2.0	Bridge	95	3.0	7.7	13.7	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
240	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816178.8	830657.9	2.0	816173.3	830621.3	0.0	Fill	37	1.0	8.0	14.0	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
241	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816173.3	830621.3	0.0	816151.2	830587.9	0.0	At Grade	40	0.0	6.7	12.7	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
242	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816151.2	830587.9	0.0	816079.9	830530.1	0.0	At Grade	92	0.0	7.7	13.7	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
243	9b_SB	Slip road from Castle Peak Road - Lam Tei to Tuen Mun Road	SB	816079.9	830530.1	0.0	816026.0	830477.2	0.0	At Grade	76	0.0	7.7	13.7	N	70	695	0.0252	0.0251	0.0231	0.0231	625	0.0254	0.0253	0.0233	0.0233	600	0.0260	0.0259	0.0238	0.0238	440	0.0235	0.0234	0.0234	0.0215
244	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816107.9	830669.8	0.0	816146.6	830661.8	0.0	At Grade	39	0.0	9.9	15.9	N	50	575	0.0159	0.0158	0.0145	0.0145	515	0.0165	0.0164	0.0150	0.0150	490	0.0160	0.0159	0.0146	0.0146	365	0.0165	0.0165	0.0164	0.0150
245	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816146.6	830661.8	0.0	816152.6	830614.4	0.0	At Grade	48	0.0	7.6	13.6	N	50	575	0.0159	0.0158	0.0145	0.0145	515	0.0165	0.0164	0.0150	0.0150	490	0.0160	0.0159	0.0146	0.0146	365	0.0165	0.0165	0.0164	0.0150
246	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816152.6	830614.4	0.0	816135.3	830585.0	0.0	At Grade	34	0.0	8.0	14.0	N	50	575	0.0159	0.0158	0.0145	0.0145	515	0.0165	0.0164	0.0150	0.0150	490	0.0160	0.0159	0.0146	0.0146	365	0.0165	0.0165	0.0164	0.0150
247	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816135.3	830585.0	0.0	816077.7	830534.0	0.0	At Grade	77	0.0	7.4	13.4	N	50	575	0.0159	0.0158	0.0145	0.0145	515	0.0165	0.0164	0.0150	0.0150	490	0.0160	0.0159	0.0146	0.0146	365	0.0165	0.0165	0.0164	0.0150
248	9c_SB	Slip road from Lam Tei Interchange to Tuen Mun Road	SB	816077.7	830534.0	0.0	816026.0	830477.2	0.0	At Grade	77	0.0	7.3	13.3	N	50	575	0.0159	0.0158	0.0145	0.0145	515	0.0165	0.0164	0.0150	0.0150	490	0.0160	0.0159	0.0146	0.0146	365	0.0165	0.0165	0.0164	0.0150
249	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816006.2	830516.9	0.0	816072.0	830611.0	0.0	At Grade	115	0.0	8.9	14.9	N	50	410	0.0185	0.0184	0.0169	0.0169	370	0.0179	0.0178	0.0164	0.0164	365	0.0181	0.0180	0.0165	0.0165	255	0.0147	0.0147	0.0146	0.0134
250	9d_NB	Slip road from Tuen Mun Road to Lam Tei Interchange	NB	816072.0	830611.0	0.0	816072.8	830662.9	0.0	At Grade	52	0.0	10.2	16.2	N	50	410	0.0185	0.0184	0.0169	0.0169	370	0.0179	0.0178	0.0164	0.0164	365	0.0181	0.0180	0.0165	0.0165	255	0.0147	0.0147	0.0146	0.0134
251	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	815975.6	830416.8	0.0	816006.2	830516.9	0.0	At Grade	105	0.0	7.3	13.3	N	70	765	0.0268	0.0268	0.0246	0.0246	690	0.0271	0.0271	0.0249	0.0249	660	0.0271	0.0271	0.0249	0.0249	480	0.0252	0.0252	0.0252	0.0232
252	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816006.2	830516.9	0.0	816030.5	830604.1	4.3	Fill	90	2.2	7.4	13.4	N	70	765	0.0268	0.0268	0.0246	0.0246	690	0.0271	0.0271	0.0249	0.0249	660	0.0271	0.0271	0.0249	0.0249	480	0.0252	0.0252	0.0252	0.0232
253	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB	816030.5	830604.1	4.3	816051.4	830655.2	6.5	Fill	55	5.4	6.7	12.7	N	70	765	0.0268	0.0268	0.0246	0.0246	690	0.0271	0.0271	0.0249	0.0249	660	0.0271	0.0271	0.0249	0.0249	480	0.0252	0.0252	0.0252	0.0232
254	9e_NB	Slip road from Tuen Mun Road to Castle Peak Road - Lam Tei	NB																																	

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 21				Hour 22				Hour 23				Hour 24							
																	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)				
329	28_NB	Tuen Fu Road	NB	815985.7	830170.6	0.0	816007.8	830259.5	0.0	At Grade	92	0.0	5.2	11.2	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
330	28_NB	Tuen Fu Road	NB	816007.8	830259.5	0.0	816022.9	830267.0	0.0	At Grade	15	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
331	28_NB	Tuen Fu Road	NB	816022.9	830267.0	0.0	816061.1	830251.2	0.0	At Grade	39	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
332	28_NB	Tuen Fu Road	NB	816061.1	830251.2	0.0	816080.0	830248.4	0.0	At Grade	19	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
333	28_NB	Tuen Fu Road	NB	816080.0	830248.4	0.0	816110.2	830253.8	0.0	At Grade	31	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
334	28_NB	Tuen Fu Road	NB	816110.2	830253.8	0.0	816134.5	830268.5	0.0	At Grade	28	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
335	28_NB	Tuen Fu Road	NB	816134.5	830268.5	0.0	816162.0	830289.9	0.0	At Grade	35	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
336	28_NB	Tuen Fu Road	NB	816162.0	830289.9	0.0	816182.0	830298.6	0.0	At Grade	22	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
337	28_NB	Tuen Fu Road	NB	816182.0	830298.6	0.0	816234.3	830300.9	0.0	At Grade	52	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
338	28_SB	Tuen Fu Road	SB	816234.3	830298.6	0.0	816182.5	830294.9	0.0	At Grade	52	0.0	6.8	12.8	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
339	28_SB	Tuen Fu Road	SB	816182.5	830294.9	0.0	816163.8	830285.7	0.0	At Grade	21	0.0	4.5	10.5	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
340	28_SB	Tuen Fu Road	SB	816163.8	830285.7	0.0	816113.0	830248.8	0.0	At Grade	63	0.0	4.3	10.3	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
341	28_SB	Tuen Fu Road	SB	816113.0	830248.8	0.0	816077.3	830244.6	0.0	At Grade	36	0.0	3.4	9.4	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
342	28_SB	Tuen Fu Road	SB	816077.3	830244.6	0.0	816023.8	830256.3	0.0	At Grade	55	0.0	3.4	9.4	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
343	28_SB	Tuen Fu Road	SB	816023.8	830256.3	0.0	816011.7	830252.9	0.0	At Grade	13	0.0	4.8	10.8	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
344	28_SB	Tuen Fu Road	SB	816011.7	830252.9	0.0	816000.9	830221.9	0.0	At Grade	33	0.0	3.7	9.7	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
345	28_SB	Tuen Fu Road	SB	816000.9	830221.9	0.0	815992.2	830168.0	0.0	At Grade	55	0.0	3.3	9.3	N	50	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	10	0.0017	0.0016	0.0014	5	0.0034	0.0032	0.0029
346	29_EB	Tuen Kwai Road	EB	816234.3	830300.9	0.0	816290.9	830300.5	0.0	At Grade	57	0.0	4.5	10.5	N	50	235	0.0399	0.0396	0.0365	220	0.0420	0.0418	0.0385	215	0.0428	0.0425	0.0392	130	0.0331	0.0327	0.0302	0.0029	0.0000	0.0000	0.0000
347	29_EB	Tuen Kwai Road	EB	816290.9	830300.5	0.0	816339.7	830301.6	0.0	At Grade	49	0.0	5.5	11.5	N	50	235	0.0399	0.0396	0.0365	220	0.0420	0.0418	0.0385	215	0.0428	0.0425	0.0392	130	0.0331	0.0327	0.0302	0.0029	0.0000	0.0000	0.0000
348	29_WB	Tuen Kwai Road	WB	816339.7	830295.8	0.0	816291.8	830295.8	0.0	At Grade	41	0.0	5.3	11.3	N	50	215	0.0392	0.0390	0.0359	195	0.0373	0.0370	0.0341	185	0.0396	0.0393	0.0362	135	0.0382	0.0379	0.0349	0.0029	0.0000	0.0000	0.0000
349	29_WB	Tuen Kwai Road	WB	816291.8	830295.8	0.0	816234.3	830294.9	0.0	At Grade	58	0.0	6.5	12.5	N	50	215	0.0392	0.0390	0.0359	195	0.0373	0.0370	0.0341	185	0.0396	0.0393	0.0362	135	0.0382	0.0379	0.0349	0.0029	0.0000	0.0000	0.0000
350	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815583.2	831282.8	0.0	815628.0	831272.3	0.0	At Grade	46	0.0	2.7	8.7	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
351	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815628.0	831272.3	0.0	815673.7	831271.1	0.0	At Grade	46	0.0	2.3	8.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
352	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815673.7	831271.1	0.0	815708.1	831260.8	0.0	At Grade	36	0.0	3.8	9.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
353	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815708.1	831260.8	0.0	815732.6	831264.3	0.0	At Grade	25	0.0	4.3	10.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
354	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815732.6	831264.3	0.0	815752.7	831277.2	0.0	At Grade	24	0.0	2.8	8.8	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
355	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815752.7	831277.2	0.0	815787.0	831263.6	0.0	At Grade	37	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
356	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815787.0	831263.6	0.0	815808.6	831259.5	0.0	At Grade	22	0.0	2.9	8.9	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
357	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815808.6	831259.5	0.0	815824.2	831262.3	0.0	At Grade	16	0.0	4.0	10.0	N	50	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	5	0.0034	0.0032	0.0029	0	0.0000	0.0000	0.0000
358	34_EB	Access Road to Chung Shan San Hing Tsuen	EB	815824.2	831262.3	0.0	815856.2	831283.8	0.0	At Grade	39	0.0	3.3	9.3	N	50	5	0.0034	0.0032	0.0029	5	0.003														

Emission Inventory of Open Roads for Construction Period 2 (i.e. Phase 8)

Index	Road Label	Road Label	Road Name	Direction	X1	Y1	Z1 (mPD)	X2	Y2	Z2 (mPD)	Highway Type	Segment Length (m)	Mean mPD	Actual Road Width (m)	Road Width + L/R Mixing Zone, W	Check Segment Width > Length	Speed limit (kph)	Hour 21				Hour 22				Hour 23				Hour 24						
																		Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)	Traffic Flows (VPH)	Weighted TSP EF (g/veh/mile)	Weighted RSP EF (g/veh/mile)	Weighted FSP EF (g/veh/mile)			
445	41	41_NB	Slip road to Yuen Long Highway	NB	816386.0	830739.5	0.0	816203.3	830724.6	0.0	At Grade	23	0.0	7.5	13.5	N	80	715	0.0231	0.0230	0.0212	645	0.0243	0.0242	0.0223	625	0.0241	0.0240	0.0221	460	0.0241	0.0241	0.0222			
446	41_NB	816203.3			830724.6	7.3	816230.4	830710.4	7.3	816230.4	830710.4	7.3	Fill	31	7.3	7.2	10.2	N	80	715	0.0231	0.0230	0.0212	645	0.0243	0.0242	0.0223	625	0.0241	0.0240	0.0221	460	0.0241	0.0241	0.0222	
447	41_NB	816230.4			830710.4	7.3	816254.4	830710.4	7.3	816254.4	830710.4	7.3	Fill	24	7.3	6.7	9.7	N	80	715	0.0231	0.0230	0.0212	645	0.0243	0.0242	0.0223	625	0.0241	0.0240	0.0221	460	0.0241	0.0241	0.0222	
448	41_NB	816254.4			830710.4	7.3	816295.3	830709.7	7.3	816295.3	830709.7	7.3	Fill	41	7.3	5.9	8.9	N	80	715	0.0231	0.0230	0.0212	645	0.0243	0.0242	0.0223	625	0.0241	0.0240	0.0221	460	0.0241	0.0241	0.0222	
449	41_NB	816295.3			830709.7	7.3	816318.3	830705.1	7.3	816318.3	830705.1	7.3	Fill	23	7.3	5.6	8.6	N	80	715	0.0231	0.0230	0.0212	645	0.0243	0.0242	0.0223	625	0.0241	0.0240	0.0221	460	0.0241	0.0241	0.0222	
450	41_NB	816318.3	830705.1	5.0	816424.6	830689.4	5.0	816424.6	830689.4	5.0	Fill	107	5.0	6.4	9.4	N	80	715	0.0231	0.0230	0.0212	645	0.0243	0.0242	0.0223	625	0.0241	0.0240	0.0221	460	0.0241	0.0241	0.0222			
451	42	42_NB	Road L54B	NB	815354.8	830400.1	0.0	815384.9	830441.6	0.0	At Grade	51	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029			
452		42_NB			815384.9	830441.6	0.0	815420.4	830477.5	0.0	815420.4	830477.5	0.0	At Grade	51	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029
453		42_NB			815420.4	830477.5	0.0	815486.4	830513.2	0.0	815486.4	830513.2	0.0	At Grade	75	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029
454		42_NB			815486.4	830513.2	0.0	815496.4	830530.7	0.0	815496.4	830530.7	0.0	At Grade	20	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029
455	42_SB	815503.3	830526.7	0.0	815490.6	830511.1	0.0	815490.6	830511.1	0.0	At Grade	20	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029			
456	42_SB	815490.6	830511.1	0.0	815426.2	830477.1	0.0	815426.2	830477.1	0.0	At Grade	73	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029			
457	42_SB	815426.2	830477.1	0.0	815386.5	830438.9	0.0	815386.5	830438.9	0.0	At Grade	55	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029			
458	42_SB	815386.5	830438.9	0.0	815357.2	830397.4	0.0	815357.2	830397.4	0.0	At Grade	51	0.0	3.6	9.6	N	50	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	20	0.0046	0.0045	0.0041	5	0.0034	0.0032	0.0029			
459	89	89_EB	San Fuk Road	EB	814801.2	830032.0	0.0	814821.1	830035.6	0.0	At Grade	20	0.0	3.6	9.6	N	50	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	5	0.0034	0.0032	0.0029			
460		89_EB			814821.1	830035.6	0.0	814838.8	830031.5	0.0	814838.8	830031.5	0.0	At Grade	18	0.0	3.3	9.3	N	50	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	5	0.0034	0.0032	0.0029
461		89_EB			814838.8	830031.5	0.0	814894.8	829993.7	0.0	814894.8	829993.7	0.0	At Grade	68	0.0	2.8	8.8	N	50	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	5	0.0034	0.0032	0.0029
462		89_EB			814894.8	829993.7	0.0	814924.8	829992.7	0.0	814924.8	829992.7	0.0	At Grade	30	0.0	2.8	8.8	N	50	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	15	0.0888	0.0887	0.0816	5	0.0034	0.0032	0.0029
463		89_WB	San Fuk Road	WB	814918.1	829990.3	0.0	814894.4	829990.9	0.0	At Grade	24	0.0	2.8	8.8	N	50	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	15	0.0061	0.0060	0.0055			
464		89_WB			814894.4	829990.9	0.0	814835.5	830030.6	0.0	814835.5	830030.6	0.0	At Grade	71	0.0	2.8	8.8	N	50	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	15	0.0061	0.0060	0.0055
465		89_WB			814835.5	830030.6	0.0	814821.5	830033.1	0.0	814821.5	830033.1	0.0	At Grade	14	0.0	3.3	9.3	N	50	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	15	0.0061	0.0060	0.0055
466		89_WB			814821.5	830033.1	0.0	814803.0	830028.8	0.0	814803.0	830028.8	0.0	At Grade	19	0.0	3.6	9.6	N	50	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	35	0.0246	0.0246	0.0226	15	0.0061	0.0060	0.0055
467	91	91_NB	Tsing Lun Road	NB	815643.3	830372.6	8.0	815644.5	830421.0	8.0	Fill	48	8.0	5.2	8.2	N	50	310	0.0462	0.0461	0.0425	275	0.0397	0.0396	0.0364	265	0.0412	0.0411	0.0378	190	0.0412	0.0411	0.0378			
468		91_NB			815644.5	830421.0	8.0	815655.9	830463.7	8.0	815655.9	830463.7	8.0	Fill	44	8.0	6.5	9.5	N	50	310	0.0462	0.0461	0.0425	275	0.0397	0.0396	0.0364	265	0.0412	0.0411	0.0378	190	0.0412	0.0411	0.0378
469		91_SB	Tsing Lun Road	SB	815660.9	830465.0	0.0	815656.9	830445.0	0.0	At Grade	20	0.0	6.4	12.4	N	50	385	0.0295	0.0294	0.0271	345	0.0313	0.0312	0.0287	340	0.0317	0.0316	0.0291	235	0.0282	0.0281	0.0259			
470		91_SB			815656.9	830445.0	8.0	815645.1	830376.0	8.0	815645.1	830376.0	8.0	Fill	70	8.0	5.3	8.3	N	50	385	0.0295	0.0294	0.0271	345	0.0313	0.0312	0.0287	340	0.0317	0.0316	0.0291	235	0.0282	0.0281	0.0259
471	93	93_NB	Hing Kwai Street	NB	814689.5	830100.5	0.0	814700.0	830125.3	0.0	At Grade	27	0.0	8.8	14.8	N	50	195	0.0172	0.0171	0.0157	180	0.0184	0.0183	0.0168	175	0.0188	0.0187	0.0172	130	0.0178	0.0177	0.0163			
472		93_SB	Hing Kwai Street	SB	814715.2	830121.8	0.0	814700.9	830096.7	0.0	At Grade	29	0.0	7.6	13.6	N	50	365	0.0280	0.0279	0.0257	340	0.0281	0.0281	0.0258	330	0.0287	0.0287	0.0264	230	0.0224	0.0223	0.0205			
473	94	94_NB	Tsun Wen Road	NB	814795.8	830022.4	0.0	814781.9	830046.9	0.0	At Grade	28	0.0	7.2	13.2	N	50	145	0.0720	0.0719	0.0662	125	0.0780	0.0780	0.0718	125	0.0780	0.0780	0.0718	90	0.0649	0.0649	0.0597			
474		94_NB			814781.9	830046.9	0.0	814752.8	830071.5	0.0	814752.8	830071.5	0.0	At Grade	38	0.0	7.9	13.9	N	50	145	0.0720	0.0719	0.0662	125	0.0780	0.0780	0.0718	125	0.0780	0.0780	0.0718	90	0.0649	0.0649	0.0597
475		94_NB			814752.8	830071.5	0.0	814694.2	830091.3	0.0	814694.2	830091.3	0.0	At Grade	62	0.0	10.0	16.0	N	50	145	0.0720	0.0719	0.0662	125	0.0780	0.0780	0.0718	125	0.0780	0.0780	0.0718	90	0.0649	0.0649	0.0597
476		94_SB	Tsun Wen Road	SB	814697.8	830104.1	0.0	814755.1	830082.5	0.0	At Grade	61	0.0	7.5	13.5	N	50	230	0.0679																	