

Appendix 3.8
Sensitivity Test of Composite
Vehicular Emission Factors in
Operation Phase and Composite
Emission Factors for CALINE4

Sensitivity Test on Open Road Emission in g/hour

Year		Hourly Emission (g/hr)											
Year		Year 2029				Year 2036				Year 2044			
Start Hour	End Hour	Residual NOx	NO2	PM10/RSP	PM2.5/FSP	Residual NOx	NO2	PM10/RSP	PM2.5/FSP	Residual NOx	NO2	PM10/RSP	PM2.5/FSP
0000	0100	1722.6	199.6	81.3	74.6	766.1	140.9	32.8	30.2	787.8	148.5	33.0	30.4
0100	0200	906.1	135.5	38.7	35.3	550.2	80.8	24.2	22.2	552.6	80.4	24.1	22.2
0200	0300	725.4	108.0	30.9	28.3	435.1	63.6	19.3	17.8	436.0	63.2	19.2	17.7
0300	0400	544.8	79.2	23.2	21.3	328.4	46.3	14.5	13.4	329.0	46.0	14.5	13.4
0400	0500	479.0	68.4	20.1	18.4	289.3	40.2	12.5	11.6	294.6	40.2	12.6	11.7
0500	0600	737.2	82.9	34.5	31.7	329.3	57.1	14.1	13.1	336.8	60.1	14.2	13.1
0600	0700	1311.4	150.4	62.3	57.1	594.7	106.1	25.7	23.6	615.1	112.4	26.1	24.0
0700	0800	3572.2	423.0	166.4	152.8	1619.9	303.7	68.0	62.8	1686.4	323.3	69.3	64.0
0800	0900	6601.8	781.9	303.4	278.5	3051.9	573.9	126.6	116.5	3184.1	614.5	128.7	118.7
0900	1000	5851.4	694.6	269.4	247.6	2673.1	507.0	110.6	102.1	2748.3	534.4	111.0	102.6
1000	1100	5873.8	696.6	270.3	248.4	2680.3	508.6	110.9	102.4	2764.8	537.6	111.6	103.2
1100	1200	5647.9	671.9	260.4	239.3	2597.6	491.9	107.6	99.3	2682.2	520.4	108.5	100.2
1200	1300	4718.2	558.2	218.6	200.6	2141.0	402.5	89.3	82.1	2212.7	426.7	90.1	83.2
1300	1400	4380.5	506.6	204.8	188.2	1963.5	364.6	83.1	76.5	2025.3	386.7	84.0	77.3
1400	1500	4921.9	571.2	229.6	210.9	2205.0	412.1	93.0	85.6	2278.0	437.4	93.8	86.5
1500	1600	5289.6	615.0	246.1	226.0	2382.4	446.7	100.2	92.4	2467.4	475.0	101.3	93.6
1600	1700	5483.5	634.9	255.0	234.4	2452.4	459.3	103.0	95.0	2536.6	488.1	104.0	96.1
1700	1800	5967.5	692.3	276.9	254.5	2703.4	509.7	113.1	104.4	2796.7	541.9	114.0	105.3
1800	1900	6107.2	708.8	282.8	259.6	2771.7	521.1	115.1	106.3	2890.3	557.7	117.4	108.3
1900	2000	5382.4	624.8	250.4	230.0	2408.2	451.5	101.2	93.3	2487.8	478.5	102.1	94.3
2000	2100	4046.9	464.5	189.7	174.6	1811.4	335.0	76.7	70.8	1863.5	354.6	77.3	71.4
2100	2200	3135.2	364.4	147.7	135.5	1394.0	258.2	59.8	55.0	1441.4	274.9	60.3	55.6
2200	2300	3086.4	358.1	145.4	133.4	1363.4	253.3	58.5	53.8	1404.0	268.1	59.0	54.3
2300	0000	2547.3	289.3	120.6	110.8	1138.1	208.1	48.8	44.9	1172.5	220.4	49.2	45.3
TOTAL in g/day		89040.1	10480.1	4128.3	3791.8	40650.5	7542.0	1708.6	1575.2	41993.9	7991.1	1725.4	1592.3

Sensitivity Test on Open Road Emission in g/day

Year	Residual NOx	NO2	PM10/RSP	PM2.5/FSP	
2029	89040.1	10480.1	4128.3	3791.8	Selected
2036	40650.5	7542.0	1708.6	1575.2	
2044	41993.9	7991.1	1725.4	1592.3	

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Fan Kam Road	01/02	RR	0.10886	50	48	N	0000-0100	300	0.014456295	0.013211741	0.014510111
Fan Kam Road	01/02	RR	0.10886	50	49	N	0100-0200	200	0.012518725	0.011538417	0.012683787
Fan Kam Road	01/02	RR	0.10886	50	49	N	0200-0300	200	0.010746145	0.009909174	0.010914635
Fan Kam Road	01/02	RR	0.10886	50	49	N	0300-0400	150	0.012046535	0.011103079	0.012212335
Fan Kam Road	01/02	RR	0.10886	50	49	N	0400-0500	100	0.01129156	0.010414395	0.011453613
Fan Kam Road	01/02	RR	0.10886	50	49	N	0500-0600	100	0.013740619	0.012665473	0.013898415
Fan Kam Road	01/02	RR	0.10886	50	49	N	0600-0700	200	0.014769497	0.013608122	0.014929635
Fan Kam Road	01/02	RR	0.10886	50	46	N	0700-0800	550	0.016137298	0.014772379	0.016296904
Fan Kam Road	01/02	RR	0.10886	50	41	N	0800-0900	850	0.01660347	0.015222324	0.016777201
Fan Kam Road	01/02	RR	0.10886	50	41	N	0900-1000	900	0.016222406	0.01487119	0.016396158
Fan Kam Road	01/02	RR	0.10886	50	41	N	1000-1100	900	0.017026666	0.015611729	0.017199372
Fan Kam Road	01/02	RR	0.10886	50	41	N	1100-1200	850	0.016517182	0.015142693	0.016690504
Fan Kam Road	01/02	RR	0.10886	50	44	N	1200-1300	750	0.015656221	0.01433756	0.015815816
Fan Kam Road	01/02	RR	0.10886	50	44	N	1300-1400	700	0.017333023	0.015881554	0.017489801
Fan Kam Road	01/02	RR	0.10886	50	43	N	1400-1500	750	0.017686147	0.016202108	0.017842289
Fan Kam Road	01/02	RR	0.10886	50	42	N	1500-1600	850	0.017892499	0.016408674	0.017945146
Fan Kam Road	01/02	RR	0.10886	50	42	N	1600-1700	850	0.017850349	0.016369094	0.017903578
Fan Kam Road	01/02	RR	0.10886	50	40	N	1700-1800	900	0.017910532	0.016417143	0.018068443
Fan Kam Road	01/02	RR	0.10886	50	38	N	1800-1900	1050	0.019401345	0.017815353	0.019575959
Fan Kam Road	01/02	RR	0.10886	50	42	N	1900-2000	850	0.018043404	0.016546652	0.018096751
Fan Kam Road	01/02	RR	0.10886	50	45	N	2000-2100	650	0.017364167	0.016000634	0.017525613
Fan Kam Road	01/02	RR	0.10886	50	47	N	2100-2200	550	0.016238083	0.014968056	0.016400623
Fan Kam Road	01/02	RR	0.10886	50	47	N	2200-2300	500	0.016554565	0.015259558	0.016716256
Fan Kam Road	01/02	RR	0.10886	50	47	N	2300-0000	400	0.016122811	0.01486197	0.016284662
Fan Kam Road	03/04	RR	0.13435	50	49	N	0000-0100	200	0.014594119	0.013452064	0.014750153
Fan Kam Road	03/04	RR	0.13435	50	49	N	0100-0200	150	0.011436138	0.01054645	0.011601579
Fan Kam Road	03/04	RR	0.13435	50	49	N	0200-0300	150	0.011319739	0.010437309	0.011487331
Fan Kam Road	03/04	RR	0.13435	50	49	N	0300-0400	100	0.011723588	0.010814542	0.011885158
Fan Kam Road	03/04	RR	0.13435	50	50	N	0400-0500	100	0.012468908	0.011376919	0.012509511
Fan Kam Road	03/04	RR	0.13435	50	50	N	0500-0600	100	0.012843853	0.011723186	0.01288407
Fan Kam Road	03/04	RR	0.13435	50	49	N	0600-0700	150	0.014143366	0.013037264	0.014302986
Fan Kam Road	03/04	RR	0.13435	50	48	N	0700-0800	450	0.015369296	0.01405186	0.015423012
Fan Kam Road	03/04	RR	0.13435	50	43	N	0800-0900	700	0.01626918	0.014899093	0.016428299
Fan Kam Road	03/04	RR	0.13435	50	45	N	0900-1000	650	0.016389882	0.01510712	0.016551747
Fan Kam Road	03/04	RR	0.13435	50	45	N	1000-1100	650	0.016298593	0.015022233	0.016461196
Fan Kam Road	03/04	RR	0.13435	50	45	N	1100-1200	650	0.015907776	0.014663325	0.016070221
Fan Kam Road	03/04	RR	0.13435	50	46	N	1200-1300	550	0.015638882	0.014315724	0.015797682
Fan Kam Road	03/04	RR	0.13435	50	47	N	1300-1400	500	0.01584629	0.014608991	0.016009481
Fan Kam Road	03/04	RR	0.13435	50	46	N	1400-1500	600	0.015492298	0.014179663	0.01565278
Fan Kam Road	03/04	RR	0.13435	50	46	N	1500-1600	600	0.015331768	0.014031852	0.015492473
Fan Kam Road	03/04	RR	0.13435	50	45	N	1600-1700	600	0.015285663	0.0140898	0.015450008
Fan Kam Road	03/04	RR	0.13435	50	45	N	1700-1800	700	0.015783929	0.014547231	0.015948314
Fan Kam Road	03/04	RR	0.13435	50	45	N	1800-1900	700	0.016493322	0.015200656	0.016656091
Fan Kam Road	03/04	RR	0.13435	50	45	N	1900-2000	600	0.015369719	0.014160242	0.015529428
Fan Kam Road	03/04	RR	0.13435	50	47	N	2000-2100	500	0.015855402	0.014616178	0.016019648
Fan Kam Road	03/04	RR	0.13435	50	48	N	2100-2200	400	0.014692206	0.013429113	0.014746296
Fan Kam Road	03/04	RR	0.13435	50	48	N	2200-2300	400	0.01471557	0.013449807	0.014770264
Fan Kam Road	03/04	RR	0.13435	50	48	N	2300-0000	350	0.015897431	0.014539405	0.015950631
Fan Kam Road	05/06	RR	0.28702	50	48	N	0000-0100	300	0.011024916	0.010051488	0.011083142
Fan Kam Road	05/06	RR	0.28702	50	49	N	0100-0200	200	0.008094083	0.007474606	0.008269453
Fan Kam Road	05/06	RR	0.28702	50	49	N	0200-0300	200	0.007086014	0.006547874	0.007262599
Fan Kam Road	05/06	RR	0.28702	50	49	N	0300-0400	100	0.007337595	0.00677426	0.00751768
Fan Kam Road	05/06	RR	0.28702	50	49	N	0400-0500	100	0.006848515	0.006327852	0.007024135
Fan Kam Road	05/06	RR	0.28702	50	49	N	0500-0600	100	0.007211149	0.006660616	0.007385191
Fan Kam Road	05/06	RR	0.28702	50	49	N	0600-0700	200	0.009985577	0.009213446	0.010155339
Fan Kam Road	05/06	RR	0.28702	50	47	N	0700-0800	550	0.011332323	0.010456053	0.011505131
Fan Kam Road	05/06	RR	0.28702	50	40	N	0800-0900	1000	0.012598299	0.011528439	0.012769179
Fan Kam Road	05/06	RR	0.28702	50	43	N	0900-1000	850	0.011859631	0.010839234	0.012030322
Fan Kam Road	05/06	RR	0.28702	50	42	N	1000-1100	850	0.012456858	0.011402533	0.012514306
Fan Kam Road	05/06	RR	0.28702	50	43	N	1100-1200	850	0.012099432	0.011059814	0.012269998

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Fan Kam Road	05/06	RR	0.28702	50	45	N	1200-1300	750	0.011329691	0.010449183	0.011503268
Fan Kam Road	05/06	RR	0.28702	50	45	N	1300-1400	650	0.013401863	0.012355413	0.013571337
Fan Kam Road	05/06	RR	0.28702	50	44	N	1400-1500	750	0.013713722	0.01254538	0.013879797
Fan Kam Road	05/06	RR	0.28702	50	43	N	1500-1600	750	0.014097788	0.012898974	0.014264
Fan Kam Road	05/06	RR	0.28702	50	43	N	1600-1700	850	0.013975479	0.012786586	0.014141749
Fan Kam Road	05/06	RR	0.28702	50	42	N	1700-1800	850	0.014078377	0.012895299	0.014134904
Fan Kam Road	05/06	RR	0.28702	50	42	N	1800-1900	850	0.014300657	0.013100018	0.014356977
Fan Kam Road	05/06	RR	0.28702	50	43	N	1900-2000	800	0.013841936	0.012663566	0.0140088
Fan Kam Road	05/06	RR	0.28702	50	46	N	2000-2100	650	0.013105047	0.011980287	0.013271759
Fan Kam Road	05/06	RR	0.28702	50	47	N	2100-2200	500	0.0130002	0.011989227	0.013170083
Fan Kam Road	05/06	RR	0.28702	50	47	N	2200-2300	500	0.01312626	0.012107425	0.01329459
Fan Kam Road	05/06	RR	0.28702	50	48	N	2300-0000	400	0.013019907	0.011888828	0.013075719
Fan Kam Road	07/08	RR	1.94868	50	47	N	0000-0100	400	0.012893203	0.011890703	0.013065757
Fan Kam Road	07/08	RR	1.94868	50	48	N	0100-0200	300	0.010569858	0.009631256	0.010628502
Fan Kam Road	07/08	RR	1.94868	50	48	N	0200-0300	250	0.010507137	0.009571908	0.010566978
Fan Kam Road	07/08	RR	1.94868	50	49	N	0300-0400	200	0.008484783	0.007829442	0.008660089
Fan Kam Road	07/08	RR	1.94868	50	49	N	0400-0500	200	0.008454922	0.007804465	0.008627355
Fan Kam Road	07/08	RR	1.94868	50	49	N	0500-0600	200	0.010890672	0.010043554	0.01106115
Fan Kam Road	07/08	RR	1.94868	50	48	N	0600-0700	300	0.012841905	0.011723274	0.012899681
Fan Kam Road	07/08	RR	1.94868	50	42	N	0700-0800	850	0.014096733	0.012911108	0.014154438
Fan Kam Road	07/08	RR	1.94868	50	33	N	0800-0900	1400	0.016687867	0.01523463	0.01687427
Fan Kam Road	07/08	RR	1.94868	50	35	N	0900-1000	1250	0.016010698	0.01470341	0.016199562
Fan Kam Road	07/08	RR	1.94868	50	35	N	1000-1100	1300	0.01601669	0.014709348	0.016205362
Fan Kam Road	07/08	RR	1.94868	50	35	N	1100-1200	1250	0.016244727	0.014919524	0.016432951
Fan Kam Road	07/08	RR	1.94868	50	39	N	1200-1300	1050	0.014324377	0.013124774	0.014494438
Fan Kam Road	07/08	RR	1.94868	50	40	N	1300-1400	1000	0.013982874	0.012802629	0.014152177
Fan Kam Road	07/08	RR	1.94868	50	38	N	1400-1500	1100	0.014760018	0.013541551	0.014945551
Fan Kam Road	07/08	RR	1.94868	50	37	N	1500-1600	1150	0.015015187	0.013768923	0.015198401
Fan Kam Road	07/08	RR	1.94868	50	36	N	1600-1700	1200	0.015575907	0.014312854	0.015761593
Fan Kam Road	07/08	RR	1.94868	50	35	N	1700-1800	1300	0.015743247	0.01445903	0.015931596
Fan Kam Road	07/08	RR	1.94868	50	34	N	1800-1900	1400	0.01609443	0.014796667	0.016280126
Fan Kam Road	07/08	RR	1.94868	50	37	N	1900-2000	1200	0.015191531	0.013930964	0.015374981
Fan Kam Road	07/08	RR	1.94868	50	41	N	2000-2100	950	0.013600633	0.012457535	0.013783709
Fan Kam Road	07/08	RR	1.94868	50	44	N	2100-2200	750	0.013630577	0.012467592	0.013797926
Fan Kam Road	07/08	RR	1.94868	50	45	N	2200-2300	750	0.013521861	0.012466122	0.013692688
Fan Kam Road	07/08	RR	1.94868	50	46	N	2300-0000	600	0.012222638	0.011168493	0.012391627
Fan Kam Road	09/10	RR	0.27529	50	49	N	0000-0100	500	0.019761561	0.018196523	0.019908527
Fan Kam Road	09/10	RR	0.27529	50	49	N	0100-0200	400	0.017329392	0.015959366	0.017480976
Fan Kam Road	09/10	RR	0.27529	50	49	N	0200-0300	300	0.018175923	0.016739052	0.018326984
Fan Kam Road	09/10	RR	0.27529	50	50	N	0300-0400	200	0.015168647	0.013860612	0.015208067
Fan Kam Road	09/10	RR	0.27529	50	50	N	0400-0500	200	0.01568251	0.014336761	0.015719855
Fan Kam Road	09/10	RR	0.27529	50	49	N	0500-0600	200	0.018281263	0.016730161	0.018317859
Fan Kam Road	09/10	RR	0.27529	50	49	N	0600-0700	400	0.019876895	0.018302747	0.020024343
Fan Kam Road	09/10	RR	0.27529	50	48	N	0700-0800	950	0.020132471	0.018436421	0.020182096
Fan Kam Road	09/10	RR	0.27529	50	47	N	0800-0900	1550	0.020282186	0.018690442	0.020436079
Fan Kam Road	09/10	RR	0.27529	50	47	N	0900-1000	1450	0.020415105	0.018812834	0.020568654
Fan Kam Road	09/10	RR	0.27529	50	47	N	1000-1100	1450	0.02041588	0.018813822	0.020569323
Fan Kam Road	09/10	RR	0.27529	50	47	N	1100-1200	1450	0.020442649	0.018837648	0.020596744
Fan Kam Road	09/10	RR	0.27529	50	47	N	1200-1300	1250	0.020119861	0.018541053	0.020273558
Fan Kam Road	09/10	RR	0.27529	50	48	N	1300-1400	1200	0.014531692	0.013279285	0.014587504
Fan Kam Road	09/10	RR	0.27529	50	47	N	1400-1500	1300	0.0145034	0.013373262	0.014670941
Fan Kam Road	09/10	RR	0.27529	50	47	N	1500-1600	1400	0.014476009	0.013348366	0.014643429
Fan Kam Road	09/10	RR	0.27529	50	47	N	1600-1700	1450	0.014739171	0.013590389	0.014906201
Fan Kam Road	09/10	RR	0.27529	50	47	N	1700-1800	1550	0.014809472	0.013654848	0.014976609
Fan Kam Road	09/10	RR	0.27529	50	47	N	1800-1900	1650	0.014566958	0.013431592	0.014734551
Fan Kam Road	09/10	RR	0.27529	50	47	N	1900-2000	1400	0.014759431	0.013609015	0.01492673
Fan Kam Road	09/10	RR	0.27529	50	48	N	2000-2100	1100	0.014673886	0.013410503	0.01472928
Fan Kam Road	09/10	RR	0.27529	50	48	N	2100-2200	900	0.01469496	0.013429581	0.014750676
Fan Kam Road	09/10	RR	0.27529	50	48	N	2200-2300	900	0.014682689	0.013418759	0.01473789
Fan Kam Road	09/10	RR	0.27529	50	49	N	2300-0000	700	0.01414166	0.013033546	0.01430599

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Fan Kam Road	11	RR	0.0882	50	49	N	0000-0100	350	0.020458995	0.01884022	0.020613637
Fan Kam Road	11	RR	0.0882	50	49	N	0100-0200	300	0.014162002	0.013048448	0.014322373
Fan Kam Road	11	RR	0.0882	50	49	N	0200-0300	200	0.014263069	0.013140728	0.014424019
Fan Kam Road	11	RR	0.0882	50	50	N	0300-0400	200	0.014114719	0.012889059	0.014155613
Fan Kam Road	11	RR	0.0882	50	50	N	0400-0500	150	0.014864931	0.013580546	0.014904618
Fan Kam Road	11	RR	0.0882	50	50	N	0500-0600	150	0.021219442	0.019431187	0.021257825
Fan Kam Road	11	RR	0.0882	50	49	N	0600-0700	300	0.02076329	0.019120568	0.020916982
Fan Kam Road	11	RR	0.0882	50	48	N	0700-0800	750	0.020962929	0.01919838	0.021015265
Fan Kam Road	11	RR	0.0882	50	46	N	0800-0900	1300	0.021575815	0.019778918	0.021730006
Fan Kam Road	11	RR	0.0882	50	47	N	0900-1000	1150	0.02107679	0.019421064	0.021235922
Fan Kam Road	11	RR	0.0882	50	47	N	1000-1100	1150	0.021016085	0.01936559	0.021175201
Fan Kam Road	11	RR	0.0882	50	47	N	1100-1200	1100	0.021294614	0.019621154	0.021453988
Fan Kam Road	11	RR	0.0882	50	47	N	1200-1300	950	0.021177857	0.019513714	0.021337423
Fan Kam Road	11	RR	0.0882	50	48	N	1300-1400	900	0.018030028	0.016498399	0.018085454
Fan Kam Road	11	RR	0.0882	50	47	N	1400-1500	1000	0.018086645	0.016669698	0.018253389
Fan Kam Road	11	RR	0.0882	50	47	N	1500-1600	1050	0.018250315	0.016820252	0.018416866
Fan Kam Road	11	RR	0.0882	50	47	N	1600-1700	1100	0.018444853	0.016999179	0.018611371
Fan Kam Road	11	RR	0.0882	50	47	N	1700-1800	1200	0.018200618	0.01677408	0.018367411
Fan Kam Road	11	RR	0.0882	50	47	N	1800-1900	1200	0.018192861	0.016767192	0.01835967
Fan Kam Road	11	RR	0.0882	50	47	N	1900-2000	1050	0.018052205	0.016637382	0.018219319
Fan Kam Road	11	RR	0.0882	50	48	N	2000-2100	850	0.018233771	0.016685775	0.018289132
Fan Kam Road	11	RR	0.0882	50	48	N	2100-2200	650	0.017970997	0.016444502	0.018026101
Fan Kam Road	11	RR	0.0882	50	48	N	2200-2300	650	0.018220478	0.016674075	0.018275582
Fan Kam Road	11	RR	0.0882	50	49	N	2300-0000	550	0.017766546	0.016366835	0.017930764
Fan Kam Road	12	RR	0.09121	50	49	N	0000-0100	350	0.019622184	0.018071501	0.019779369
Fan Kam Road	12	RR	0.09121	50	49	N	0100-0200	300	0.012827566	0.01182274	0.012991381
Fan Kam Road	12	RR	0.09121	50	49	N	0200-0300	200	0.012915839	0.011904366	0.013079847
Fan Kam Road	12	RR	0.09121	50	50	N	0300-0400	150	0.013661898	0.012474202	0.013701874
Fan Kam Road	12	RR	0.09121	50	50	N	0400-0500	150	0.013493126	0.012315119	0.01353513
Fan Kam Road	12	RR	0.09121	50	50	N	0500-0600	150	0.020286248	0.018569722	0.020326755
Fan Kam Road	12	RR	0.09121	50	49	N	0600-0700	300	0.020236181	0.018635528	0.020393575
Fan Kam Road	12	RR	0.09121	50	48	N	0700-0800	700	0.020501465	0.018773529	0.020554703
Fan Kam Road	12	RR	0.09121	50	47	N	0800-0900	1150	0.020717327	0.019090312	0.020878422
Fan Kam Road	12	RR	0.09121	50	47	N	0900-1000	1100	0.020802831	0.019168848	0.020963878
Fan Kam Road	12	RR	0.09121	50	47	N	1000-1100	1100	0.020741837	0.01911302	0.020902788
Fan Kam Road	12	RR	0.09121	50	47	N	1100-1200	1050	0.020732133	0.019103477	0.020893389
Fan Kam Road	12	RR	0.09121	50	48	N	1200-1300	900	0.020603659	0.018867917	0.02065651
Fan Kam Road	12	RR	0.09121	50	48	N	1300-1400	850	0.018705985	0.017120169	0.018761282
Fan Kam Road	12	RR	0.09121	50	47	N	1400-1500	950	0.018714176	0.017247002	0.018879906
Fan Kam Road	12	RR	0.09121	50	47	N	1500-1600	1000	0.01878745	0.017314095	0.018953051
Fan Kam Road	12	RR	0.09121	50	47	N	1600-1700	1050	0.018820184	0.017344077	0.018985737
Fan Kam Road	12	RR	0.09121	50	47	N	1700-1800	1100	0.018806086	0.017331058	0.018971784
Fan Kam Road	12	RR	0.09121	50	47	N	1800-1900	1200	0.018760381	0.017289311	0.018925934
Fan Kam Road	12	RR	0.09121	50	47	N	1900-2000	1000	0.0186321	0.017171491	0.018797444
Fan Kam Road	12	RR	0.09121	50	48	N	2000-2100	800	0.018471809	0.016904903	0.018526849
Fan Kam Road	12	RR	0.09121	50	48	N	2100-2200	650	0.018633339	0.01705351	0.018688314
Fan Kam Road	12	RR	0.09121	50	48	N	2200-2300	600	0.018855187	0.0172578	0.018909969
Fan Kam Road	12	RR	0.09121	50	49	N	2300-0000	500	0.018437546	0.016983488	0.01859943
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	0000-0100	450	0.030294266	0.027789982	0.03048251
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	0100-0200	350	0.019596752	0.017942569	0.019792772
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	0200-0300	250	0.01849966	0.016932935	0.018696618
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	0300-0400	200	0.018975566	0.017375363	0.019168896
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	0400-0500	150	0.017092365	0.01564292	0.017287825
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	0500-0600	200	0.028943497	0.02654938	0.029130929
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	0600-0700	350	0.030439829	0.027925392	0.030627046
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	28	N	0700-0800	850	0.031638169	0.029045562	0.031925562
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	26	N	0800-0900	1350	0.033061597	0.030380884	0.03325077
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	0900-1000	1300	0.032991354	0.030292214	0.03318375
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	1000-1100	1300	0.03289165	0.030200009	0.033084341
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	1100-1200	1200	0.032839354	0.030151456	0.033032348

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	1200-1300	1050	0.033177398	0.030462224	0.033370127
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	28	N	1300-1400	1050	0.025538358	0.023427526	0.025848161
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	28	N	1400-1500	1150	0.025503854	0.023394366	0.025814505
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	1500-1600	1250	0.026260555	0.024094065	0.02646284
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	1600-1700	1250	0.026445691	0.024263893	0.026647711
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	1700-1800	1350	0.026465322	0.024282029	0.026667517
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	26	N	1800-1900	1450	0.026926065	0.024733482	0.027126086
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	27	N	1900-2000	1250	0.026530779	0.024342368	0.026732701
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	28	N	2000-2100	1000	0.025280138	0.023188845	0.02559107
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	29	N	2100-2200	800	0.024559976	0.022515706	0.0247607
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	29	N	2200-2300	750	0.024532181	0.022490026	0.024733102
Castle Peak Road - Kwu Tu	13/14	LD	0.42005	50	30	N	2300-0000	600	0.023908688	0.02190912	0.024109177
Po Kin Road	15/16	LD	0.1415	50	30	Y	0000-0100	300	0.033199962	0.029777442	0.034104616
Po Kin Road	15/16	LD	0.1415	50	30	Y	0100-0200	200	0.03226931	0.028931513	0.033172951
Po Kin Road	15/16	LD	0.1415	50	30	Y	0200-0300	200	0.030153177	0.026946507	0.031090755
Po Kin Road	15/16	LD	0.1415	50	30	Y	0300-0400	100	0.030983332	0.027668554	0.03194928
Po Kin Road	15/16	LD	0.1415	50	30	Y	0400-0500	100	0.029944198	0.026697855	0.030919592
Po Kin Road	15/16	LD	0.1415	50	30	Y	0500-0600	100	0.029956926	0.026726035	0.030914694
Po Kin Road	15/16	LD	0.1415	50	30	Y	0600-0700	200	0.030074234	0.02687747	0.031002523
Po Kin Road	15/16	LD	0.1415	50	29	Y	0700-0800	500	0.032668732	0.02930102	0.033574279
Po Kin Road	15/16	LD	0.1415	50	28	Y	0800-0900	900	0.033244406	0.029844213	0.034245154
Po Kin Road	15/16	LD	0.1415	50	28	Y	0900-1000	800	0.033468457	0.030051799	0.034466367
Po Kin Road	15/16	LD	0.1415	50	28	Y	1000-1100	800	0.033541403	0.030123044	0.034536641
Po Kin Road	15/16	LD	0.1415	50	28	Y	1100-1200	750	0.033497713	0.030079967	0.034495888
Po Kin Road	15/16	LD	0.1415	50	29	Y	1200-1300	650	0.032746202	0.029382602	0.033644784
Po Kin Road	15/16	LD	0.1415	50	29	Y	1300-1400	700	0.03399414	0.030542137	0.034879595
Po Kin Road	15/16	LD	0.1415	50	28	Y	1400-1500	750	0.035248763	0.031710376	0.036226351
Po Kin Road	15/16	LD	0.1415	50	28	Y	1500-1600	800	0.035433009	0.031874552	0.036412908
Po Kin Road	15/16	LD	0.1415	50	28	Y	1600-1700	800	0.035216624	0.031675427	0.036196675
Po Kin Road	15/16	LD	0.1415	50	28	Y	1700-1800	900	0.035035224	0.031507973	0.036017585
Po Kin Road	15/16	LD	0.1415	50	28	Y	1800-1900	950	0.034989712	0.0314654	0.035971807
Po Kin Road	15/16	LD	0.1415	50	28	Y	1900-2000	800	0.035244217	0.031700985	0.036224371
Po Kin Road	15/16	LD	0.1415	50	29	Y	2000-2100	600	0.033565606	0.030138817	0.034459133
Po Kin Road	15/16	LD	0.1415	50	30	Y	2100-2200	500	0.033645298	0.030202761	0.034537291
Po Kin Road	15/16	LD	0.1415	50	30	Y	2200-2300	500	0.033679939	0.030224868	0.034578145
Po Kin Road	15/16	LD	0.1415	50	30	Y	2300-0000	400	0.034076595	0.030610873	0.034958604
Po Kin Road	17/18	LD	0.1249	50	30	Y	0000-0100	200	0.030663376	0.027401492	0.031613426
Po Kin Road	17/18	LD	0.1249	50	30	Y	0100-0200	200	0.026151469	0.023248235	0.027120308
Po Kin Road	17/18	LD	0.1249	50	30	Y	0200-0300	150	0.026404487	0.023458177	0.027390481
Po Kin Road	17/18	LD	0.1249	50	30	Y	0300-0400	100	0.02674359	0.023750994	0.027736571
Po Kin Road	17/18	LD	0.1249	50	30	Y	0400-0500	100	0.025411365	0.022517714	0.026419227
Po Kin Road	17/18	LD	0.1249	50	30	Y	0500-0600	100	0.0253864	0.022579194	0.026328852
Po Kin Road	17/18	LD	0.1249	50	30	Y	0600-0700	200	0.026599424	0.023637011	0.027579692
Po Kin Road	17/18	LD	0.1249	50	28	Y	0700-0800	400	0.029492584	0.026366851	0.030536843
Po Kin Road	17/18	LD	0.1249	50	25	Y	0800-0900	700	0.031656447	0.028371091	0.032725648
Po Kin Road	17/18	LD	0.1249	50	25	Y	0900-1000	700	0.031771704	0.02849105	0.032829141
Po Kin Road	17/18	LD	0.1249	50	25	Y	1000-1100	700	0.031883382	0.028571366	0.032956809
Po Kin Road	17/18	LD	0.1249	50	26	Y	1100-1200	650	0.031303447	0.028031177	0.032258265
Po Kin Road	17/18	LD	0.1249	50	26	Y	1200-1300	500	0.031187298	0.027934338	0.032135485
Po Kin Road	17/18	LD	0.1249	50	27	Y	1300-1400	600	0.030999155	0.02774956	0.031944384
Po Kin Road	17/18	LD	0.1249	50	26	Y	1400-1500	700	0.033045531	0.029645616	0.033983804
Po Kin Road	17/18	LD	0.1249	50	26	Y	1500-1600	700	0.033010027	0.029616539	0.033945529
Po Kin Road	17/18	LD	0.1249	50	26	Y	1600-1700	700	0.032718468	0.029358143	0.033648477
Po Kin Road	17/18	LD	0.1249	50	25	Y	1700-1800	800	0.033430209	0.030007044	0.034484274
Po Kin Road	17/18	LD	0.1249	50	25	Y	1800-1900	800	0.033183841	0.029781222	0.034238569
Po Kin Road	17/18	LD	0.1249	50	26	Y	1900-2000	700	0.032977927	0.02958499	0.033915107
Po Kin Road	17/18	LD	0.1249	50	27	Y	2000-2100	600	0.031363329	0.028064616	0.032321681
Po Kin Road	17/18	LD	0.1249	50	28	Y	2100-2200	400	0.031298109	0.02803496	0.032328066
Po Kin Road	17/18	LD	0.1249	50	28	Y	2200-2300	400	0.031065753	0.027809009	0.032103061
Po Kin Road	17/18	LD	0.1249	50	29	Y	2300-0000	400	0.03110289	0.027822915	0.032045537

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Po Kin Road	19/20	LD	0.2318	50	30	N	0000-0100	200	0.029245933	0.026826026	0.02943285
Po Kin Road	19/20	LD	0.2318	50	30	N	0100-0200	150	0.01462744	0.013366428	0.014831344
Po Kin Road	19/20	LD	0.2318	50	30	N	0200-0300	100	0.016520512	0.015115554	0.016714293
Po Kin Road	19/20	LD	0.2318	50	30	N	0300-0400	100	0.013145806	0.011996774	0.013354827
Po Kin Road	19/20	LD	0.2318	50	30	N	0400-0500	100	0.012402297	0.011325823	0.012604616
Po Kin Road	19/20	LD	0.2318	50	30	N	0500-0600	100	0.020947905	0.019193004	0.021140126
Po Kin Road	19/20	LD	0.2318	50	30	N	0600-0700	200	0.023234365	0.021295146	0.023424654
Po Kin Road	19/20	LD	0.2318	50	29	N	0700-0800	400	0.028293563	0.025961109	0.028479885
Po Kin Road	19/20	LD	0.2318	50	26	N	0800-0900	600	0.030847797	0.028340542	0.03103552
Po Kin Road	19/20	LD	0.2318	50	27	N	0900-1000	550	0.030425356	0.027929021	0.030615884
Po Kin Road	19/20	LD	0.2318	50	27	N	1000-1100	550	0.03031248	0.027825744	0.030502886
Po Kin Road	19/20	LD	0.2318	50	27	N	1100-1200	550	0.030144649	0.027672654	0.030334314
Po Kin Road	19/20	LD	0.2318	50	28	N	1200-1300	450	0.028924801	0.026547764	0.029214125
Po Kin Road	19/20	LD	0.2318	50	28	N	1300-1400	450	0.031526024	0.028943072	0.03181395
Po Kin Road	19/20	LD	0.2318	50	28	N	1400-1500	500	0.031493808	0.028913169	0.031780496
Po Kin Road	19/20	LD	0.2318	50	27	N	1500-1600	550	0.031622152	0.029031899	0.031810945
Po Kin Road	19/20	LD	0.2318	50	27	N	1600-1700	550	0.031605957	0.029015347	0.031795289
Po Kin Road	19/20	LD	0.2318	50	27	N	1700-1800	600	0.031742162	0.02914176	0.031930793
Po Kin Road	19/20	LD	0.2318	50	27	N	1800-1900	600	0.031593217	0.029004957	0.031781961
Po Kin Road	19/20	LD	0.2318	50	27	N	1900-2000	550	0.031382509	0.028813199	0.031570023
Po Kin Road	19/20	LD	0.2318	50	28	N	2000-2100	400	0.030682594	0.028169378	0.030968896
Po Kin Road	19/20	LD	0.2318	50	29	N	2100-2200	350	0.030631454	0.028112695	0.030817241
Po Kin Road	19/20	LD	0.2318	50	29	N	2200-2300	300	0.031287345	0.028718728	0.031470698
Po Kin Road	19/20	LD	0.2318	50	30	N	2300-0000	300	0.028174705	0.025843337	0.028361051
Po Kin Road	21	LD	0.184	50	29	N	0000-0100	100	0.082549643	0.07589412	0.082699875
Po Kin Road	21	LD	0.184	50	30	N	0100-0200	100	0.017199639	0.015748091	0.017390169
Po Kin Road	21	LD	0.184	50	30	N	0200-0300	50	0.019604642	0.017953182	0.019798263
Po Kin Road	21	LD	0.184	50	30	N	0300-0400	50	0.01770972	0.016205563	0.017905674
Po Kin Road	21	LD	0.184	50	30	N	0400-0500	50	0.018494694	0.016936913	0.018685224
Po Kin Road	21	LD	0.184	50	30	N	0500-0600	50	0.080767294	0.074254311	0.080915064
Po Kin Road	21	LD	0.184	50	30	N	0600-0700	100	0.081384156	0.074820044	0.081531588
Po Kin Road	21	LD	0.184	50	26	N	0700-0800	250	0.089368337	0.082204616	0.089516911
Po Kin Road	21	LD	0.184	50	24	N	0800-0900	350	0.093369375	0.085879633	0.09360574
Po Kin Road	21	LD	0.184	50	23	N	0900-1000	400	0.095671172	0.08793079	0.095838447
Po Kin Road	21	LD	0.184	50	23	N	1000-1100	400	0.095488044	0.087762727	0.095655255
Po Kin Road	21	LD	0.184	50	24	N	1100-1200	350	0.093221251	0.085745076	0.093457471
Po Kin Road	21	LD	0.184	50	25	N	1200-1300	300	0.091426607	0.084092585	0.091660976
Po Kin Road	21	LD	0.184	50	26	N	1300-1400	300	0.050810547	0.046715845	0.050990697
Po Kin Road	21	LD	0.184	50	26	N	1400-1500	350	0.050886524	0.046787412	0.051065998
Po Kin Road	21	LD	0.184	50	25	N	1500-1600	350	0.051815888	0.047640944	0.052109142
Po Kin Road	21	LD	0.184	50	25	N	1600-1700	350	0.051957542	0.047771381	0.052251296
Po Kin Road	21	LD	0.184	50	24	N	1700-1800	400	0.054612928	0.05022444	0.054903945
Po Kin Road	21	LD	0.184	50	22	N	1800-1900	500	0.056531105	0.051921622	0.056838168
Po Kin Road	21	LD	0.184	50	25	N	1900-2000	350	0.051084006	0.046969638	0.051376762
Po Kin Road	21	LD	0.184	50	27	N	2000-2100	300	0.050107746	0.046034641	0.050288749
Po Kin Road	21	LD	0.184	50	28	N	2100-2200	200	0.048286934	0.044362404	0.04856651
Po Kin Road	21	LD	0.184	50	28	N	2200-2300	200	0.049168839	0.045177634	0.049447481
Po Kin Road	21	LD	0.184	50	29	N	2300-0000	200	0.048014489	0.044107758	0.048193399
Po Kin Road	22	LD	0.18362	50	29	N	0000-0100	150	0.045527344	0.041813992	0.045709908
Po Kin Road	22	LD	0.18362	50	30	N	0100-0200	100	0.012358153	0.011279892	0.012562539
Po Kin Road	22	LD	0.18362	50	30	N	0200-0300	100	0.013807817	0.012610787	0.014013218
Po Kin Road	22	LD	0.18362	50	30	N	0300-0400	50	0.01377798	0.012595708	0.013975881
Po Kin Road	22	LD	0.18362	50	30	N	0400-0500	50	0.010832816	0.009883883	0.011038265
Po Kin Road	22	LD	0.18362	50	30	N	0500-0600	50	0.040591341	0.037275738	0.040773567
Po Kin Road	22	LD	0.18362	50	30	N	0600-0700	100	0.041923878	0.038489264	0.04211061
Po Kin Road	22	LD	0.18362	50	27	N	0700-0800	300	0.046733451	0.042930796	0.046916916
Po Kin Road	22	LD	0.18362	50	22	N	0800-0900	450	0.053286909	0.048937351	0.053595661
Po Kin Road	22	LD	0.18362	50	24	N	0900-1000	450	0.050595104	0.046528742	0.050887763
Po Kin Road	22	LD	0.18362	50	24	N	1000-1100	450	0.050526642	0.046466203	0.050819334
Po Kin Road	22	LD	0.18362	50	24	N	1100-1200	400	0.050663147	0.046591684	0.050956031

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Po Kin Road	22	LD	0.18362	50	25	N	1200-1300	350	0.048562148	0.044649897	0.048855129
Po Kin Road	22	LD	0.18362	50	25	N	1300-1400	350	0.0610986	0.056179849	0.061377564
Po Kin Road	22	LD	0.18362	50	24	N	1400-1500	350	0.062377417	0.057366016	0.062654337
Po Kin Road	22	LD	0.18362	50	24	N	1500-1600	400	0.061438284	0.056501058	0.061717425
Po Kin Road	22	LD	0.18362	50	24	N	1600-1700	400	0.061949766	0.056970568	0.062226992
Po Kin Road	22	LD	0.18362	50	23	N	1700-1800	450	0.063328089	0.058161774	0.0635257
Po Kin Road	22	LD	0.18362	50	24	N	1800-1900	400	0.061815853	0.056848661	0.06209414
Po Kin Road	22	LD	0.18362	50	24	N	1900-2000	400	0.061362677	0.056432854	0.061639485
Po Kin Road	22	LD	0.18362	50	26	N	2000-2100	300	0.058172893	0.053491891	0.058346606
Po Kin Road	22	LD	0.18362	50	27	N	2100-2200	250	0.057085089	0.052450742	0.05726157
Po Kin Road	22	LD	0.18362	50	27	N	2200-2300	250	0.056542113	0.051955724	0.056716276
Po Kin Road	22	LD	0.18362	50	28	N	2300-0000	200	0.05550967	0.051013582	0.055776564
Pak Wo Road	23	DD	0.07982	50	40	N	0000-0100	200	0.044185698	0.040599597	0.044328206
Pak Wo Road	23	DD	0.07982	50	40	N	0100-0200	150	0.025219402	0.023141208	0.025375203
Pak Wo Road	23	DD	0.07982	50	40	N	0200-0300	100	0.025543186	0.023436909	0.025700049
Pak Wo Road	23	DD	0.07982	50	40	N	0300-0400	100	0.025712779	0.02359456	0.02586866
Pak Wo Road	23	DD	0.07982	50	40	N	0400-0500	100	0.027214747	0.024985001	0.027369405
Pak Wo Road	23	DD	0.07982	50	40	N	0500-0600	100	0.042769797	0.039300535	0.042913093
Pak Wo Road	23	DD	0.07982	50	40	N	0600-0700	150	0.044376856	0.040776979	0.044519026
Pak Wo Road	23	DD	0.07982	50	38	N	0700-0800	400	0.044661485	0.041056474	0.044820118
Pak Wo Road	23	DD	0.07982	50	35	N	0800-0900	700	0.047020703	0.043235461	0.04718381
Pak Wo Road	23	DD	0.07982	50	36	N	0900-1000	650	0.046414028	0.04268558	0.046572259
Pak Wo Road	23	DD	0.07982	50	36	N	1000-1100	650	0.046273645	0.042555368	0.04643289
Pak Wo Road	23	DD	0.07982	50	36	N	1100-1200	650	0.046570231	0.04282886	0.046729122
Pak Wo Road	23	DD	0.07982	50	37	N	1200-1300	550	0.045505151	0.04182199	0.045659519
Pak Wo Road	23	DD	0.07982	50	37	N	1300-1400	500	0.04469821	0.041078731	0.044856328
Pak Wo Road	23	DD	0.07982	50	37	N	1400-1500	550	0.044807323	0.041179637	0.044965087
Pak Wo Road	23	DD	0.07982	50	37	N	1500-1600	600	0.044995826	0.041351998	0.045154588
Pak Wo Road	23	DD	0.07982	50	37	N	1600-1700	600	0.044816062	0.041187571	0.044974325
Pak Wo Road	23	DD	0.07982	50	36	N	1700-1800	650	0.045425987	0.041774949	0.045588354
Pak Wo Road	23	DD	0.07982	50	36	N	1800-1900	650	0.045425987	0.041774949	0.045588354
Pak Wo Road	23	DD	0.07982	50	37	N	1900-2000	600	0.044966681	0.041326554	0.045124396
Pak Wo Road	23	DD	0.07982	50	38	N	2000-2100	500	0.043674667	0.040144973	0.043837662
Pak Wo Road	23	DD	0.07982	50	39	N	2100-2200	400	0.043761202	0.040212276	0.043907523
Pak Wo Road	23	DD	0.07982	50	39	N	2200-2300	350	0.043536312	0.040006699	0.043682376
Pak Wo Road	23	DD	0.07982	50	39	N	2300-0000	300	0.042822262	0.039349475	0.042968326
Pak Wo Road	24	DD	0.06463	50	40	N	0000-0100	150	0.056508494	0.051939212	0.056645948
Pak Wo Road	24	DD	0.06463	50	40	N	0100-0200	100	0.025950752	0.023816827	0.026105974
Pak Wo Road	24	DD	0.06463	50	40	N	0200-0300	100	0.025550702	0.023447965	0.025709673
Pak Wo Road	24	DD	0.06463	50	40	N	0300-0400	50	0.027280167	0.02503539	0.0274388
Pak Wo Road	24	DD	0.06463	50	40	N	0400-0500	50	0.03144832	0.028870473	0.031606422
Pak Wo Road	24	DD	0.06463	50	40	N	0500-0600	50	0.055088634	0.050641791	0.055223593
Pak Wo Road	24	DD	0.06463	50	40	N	0600-0700	100	0.052948174	0.048663231	0.05309015
Pak Wo Road	24	DD	0.06463	50	39	N	0700-0800	300	0.05587549	0.051363067	0.056012365
Pak Wo Road	24	DD	0.06463	50	37	N	0800-0900	500	0.057848289	0.05318	0.05799659
Pak Wo Road	24	DD	0.06463	50	37	N	0900-1000	500	0.057608834	0.052960357	0.05775617
Pak Wo Road	24	DD	0.06463	50	37	N	1000-1100	500	0.058008483	0.053328317	0.058155528
Pak Wo Road	24	DD	0.06463	50	38	N	1100-1200	450	0.056918426	0.052332874	0.057069141
Pak Wo Road	24	DD	0.06463	50	38	N	1200-1300	400	0.057208156	0.052597804	0.057359563
Pak Wo Road	24	DD	0.06463	50	39	N	1300-1400	400	0.044151966	0.040574314	0.044299334
Pak Wo Road	24	DD	0.06463	50	38	N	1400-1500	400	0.04553465	0.041857219	0.045696341
Pak Wo Road	24	DD	0.06463	50	38	N	1500-1600	450	0.045645872	0.041958785	0.045807869
Pak Wo Road	24	DD	0.06463	50	38	N	1600-1700	450	0.045637922	0.041952058	0.045799243
Pak Wo Road	24	DD	0.06463	50	38	N	1700-1800	500	0.045431073	0.041761399	0.045593005
Pak Wo Road	24	DD	0.06463	50	37	N	1800-1900	550	0.045836032	0.042128586	0.04599518
Pak Wo Road	24	DD	0.06463	50	38	N	1900-2000	450	0.045672796	0.041985113	0.045833007
Pak Wo Road	24	DD	0.06463	50	39	N	2000-2100	350	0.044275403	0.040688175	0.044422288
Pak Wo Road	24	DD	0.06463	50	39	N	2100-2200	300	0.044576077	0.040966077	0.04472161
Pak Wo Road	24	DD	0.06463	50	39	N	2200-2300	300	0.045056836	0.041407375	0.045202224

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Pak Wo Road	24	DD	0.06463	50	40	N	2300-0000	250	0.043700545	0.040155161	0.043847929
Pak Wo Road	25/26	DD	0.11311	50	39	N	0000-0100	250	0.075521329	0.069439547	0.075645029
Pak Wo Road	25/26	DD	0.11311	50	40	N	0100-0200	200	0.029068422	0.026683607	0.029221889
Pak Wo Road	25/26	DD	0.11311	50	40	N	0200-0300	100	0.03180495	0.029206858	0.031954764
Pak Wo Road	25/26	DD	0.11311	50	40	N	0300-0400	100	0.034035678	0.03125985	0.034182965
Pak Wo Road	25/26	DD	0.11311	50	40	N	0400-0500	100	0.039196708	0.03601534	0.039341026
Pak Wo Road	25/26	DD	0.11311	50	40	N	0500-0600	100	0.072533649	0.066694249	0.072657907
Pak Wo Road	25/26	DD	0.11311	50	40	N	0600-0700	200	0.072932581	0.067059522	0.073056107
Pak Wo Road	25/26	DD	0.11311	50	37	N	0700-0800	500	0.076125294	0.069995223	0.076259675
Pak Wo Road	25/26	DD	0.11311	50	33	N	0800-0900	800	0.081166709	0.074603748	0.081305797
Pak Wo Road	25/26	DD	0.11311	50	33	N	0900-1000	800	0.08085996	0.074321252	0.080999289
Pak Wo Road	25/26	DD	0.11311	50	33	N	1000-1100	800	0.081428727	0.074845206	0.081567541
Pak Wo Road	25/26	DD	0.11311	50	34	N	1100-1200	750	0.080336168	0.073909609	0.080474895
Pak Wo Road	25/26	DD	0.11311	50	35	N	1200-1300	650	0.079266515	0.072906649	0.079408109
Pak Wo Road	25/26	DD	0.11311	50	36	N	1300-1400	650	0.061773675	0.056813375	0.061926103
Pak Wo Road	25/26	DD	0.11311	50	35	N	1400-1500	700	0.063042527	0.057977575	0.063197684
Pak Wo Road	25/26	DD	0.11311	50	34	N	1500-1600	750	0.064139198	0.059004744	0.064290664
Pak Wo Road	25/26	DD	0.11311	50	34	N	1600-1700	750	0.063977662	0.05885729	0.064128553
Pak Wo Road	25/26	DD	0.11311	50	34	N	1700-1800	850	0.064352009	0.059200243	0.064503218
Pak Wo Road	25/26	DD	0.11311	50	33	N	1800-1900	900	0.0649724	0.059691579	0.06512412
Pak Wo Road	25/26	DD	0.11311	50	34	N	1900-2000	750	0.064037006	0.058910498	0.064188402
Pak Wo Road	25/26	DD	0.11311	50	36	N	2000-2100	600	0.061630738	0.056683486	0.061781807
Pak Wo Road	25/26	DD	0.11311	50	37	N	2100-2200	450	0.060918266	0.05600359	0.061065585
Pak Wo Road	25/26	DD	0.11311	50	37	N	2200-2300	450	0.060666863	0.055770813	0.060815009
Pak Wo Road	25/26	DD	0.11311	50	38	N	2300-0000	400	0.060871385	0.05596979	0.061021746
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0000-0100	300	0.047651744	0.043111194	0.048516734
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0100-0200	200	0.031916571	0.02856586	0.032853627
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0200-0300	200	0.029643336	0.026439254	0.030611755
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0300-0400	100	0.029611818	0.026433147	0.030566108
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0400-0500	100	0.030093061	0.026883794	0.03103558
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0500-0600	100	0.043825181	0.039555355	0.044720084
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0600-0700	200	0.044610785	0.040292223	0.045498464
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	0700-0800	550	0.047230382	0.042745432	0.048087987
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	0800-0900	950	0.049130066	0.044486763	0.050002846
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	0900-1000	850	0.048158074	0.043595317	0.049119193
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1000-1100	850	0.048059703	0.043495952	0.049026972
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1100-1200	800	0.048217505	0.043656162	0.049173072
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1200-1300	700	0.048546085	0.04395281	0.049505188
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	1300-1400	700	0.06250233	0.056809732	0.063329786
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1400-1500	750	0.062325325	0.056654071	0.063244843
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1500-1600	800	0.063629458	0.057857024	0.064545227
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1600-1700	800	0.063736234	0.05795959	0.06464632
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1700-1800	900	0.063346855	0.057596105	0.064262192
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	1800-1900	900	0.062436098	0.056743895	0.063275727
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1900-2000	800	0.06324606	0.057504164	0.064161065
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2000-2100	600	0.062161764	0.056506943	0.062982298
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2100-2200	500	0.062479159	0.056780721	0.063311056
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2200-2300	500	0.062102978	0.056462685	0.062915279
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	2300-0000	400	0.061763387	0.056105645	0.062603768
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0000-0100	300	0.040612197	0.036632028	0.04148561
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0100-0200	200	0.03190675	0.028576612	0.032827966
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0200-0300	200	0.02931063	0.026134925	0.030278557
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0300-0400	100	0.029141496	0.026053551	0.030057952
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0400-0500	100	0.029590987	0.026475964	0.030494619
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0500-0600	100	0.034916024	0.031396211	0.035795932
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0600-0700	200	0.037248258	0.033516421	0.038143377
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	0700-0800	600	0.039578185	0.035673765	0.040466268
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	0800-0900	1000	0.040656844	0.036674156	0.04155252
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	0900-1000	900	0.040500167	0.036528415	0.0414868

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1000-1100	900	0.040863717	0.036858541	0.04185175
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1100-1200	850	0.040467533	0.036500789	0.041452205
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1200-1300	750	0.040333193	0.036377132	0.041318671
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	1300-1400	700	0.041561291	0.037507076	0.042440302
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1400-1500	800	0.043312966	0.039128643	0.044283866
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1500-1600	850	0.042997415	0.038830734	0.043975501
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1600-1700	850	0.04294968	0.038788784	0.043926508
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1700-1800	900	0.042770771	0.038637102	0.043739319
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	1800-1900	950	0.043403257	0.039213006	0.0442856
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1900-2000	850	0.042716958	0.038583307	0.043687383
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2000-2100	650	0.041149472	0.037132214	0.042026879
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2100-2200	500	0.0420114	0.037926097	0.042885255
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2200-2300	500	0.041580117	0.03750539	0.042464929
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2300-0000	400	0.041330728	0.037296552	0.042200469
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0000-0100	200	0.044062601	0.039873927	0.044872576
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0100-0200	100	0.033836893	0.030364909	0.034738804
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0200-0300	100	0.034585286	0.03109697	0.035449099
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0300-0400	100	0.032749159	0.029446279	0.03359237
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0400-0500	100	0.03551152	0.031853979	0.036446676
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0500-0600	100	0.040874135	0.03681054	0.041777138
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0600-0700	100	0.043228783	0.039091133	0.044048545
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0700-0800	400	0.045919681	0.041558335	0.046736056
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0800-0900	550	0.045941403	0.04158196	0.046756613
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	0900-1000	550	0.046381284	0.041998535	0.04719766
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1000-1100	550	0.046215555	0.041850116	0.047028266
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1100-1200	550	0.046923768	0.042496655	0.047739475
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1200-1300	450	0.047112263	0.042662017	0.047924302
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1300-1400	450	0.039094544	0.03518052	0.040020831
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1400-1500	500	0.040822244	0.036773019	0.041743527
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1500-1600	500	0.040700166	0.036667651	0.041614902
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1600-1700	500	0.040843532	0.036798247	0.04176685
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1700-1800	550	0.040437705	0.036445901	0.041349386
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1800-1900	650	0.04079302	0.036760129	0.041712103
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1900-2000	500	0.041238934	0.0371668	0.042159662
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2000-2100	400	0.040550311	0.036542872	0.041456593
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2100-2200	300	0.039080929	0.035173939	0.040003039
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2200-2300	300	0.039294751	0.035390526	0.040200884
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2300-0000	250	0.039445496	0.035497757	0.040380007
Ching Shing Road	33/34	LD	0.19971	50	29	Y	0000-0100	350	0.040641554	0.036667906	0.041515379
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0100-0200	300	0.03406014	0.030610563	0.034935356
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0200-0300	200	0.032499168	0.029142876	0.033400681
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0300-0400	200	0.031043096	0.027798257	0.031951001
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0400-0500	150	0.03069129	0.027500601	0.031580664
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0500-0600	150	0.036862784	0.033174528	0.037749547
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0600-0700	250	0.039060253	0.035183781	0.03995166
Ching Shing Road	33/34	LD	0.19971	50	27	Y	0700-0800	750	0.041216991	0.037196602	0.042108637
Ching Shing Road	33/34	LD	0.19971	50	22	Y	0800-0900	1150	0.045947831	0.041525511	0.046952997
Ching Shing Road	33/34	LD	0.19971	50	23	Y	0900-1000	1100	0.045118999	0.040749575	0.046018809
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1000-1100	1100	0.045298245	0.040909102	0.046202037
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1100-1200	1100	0.04512062	0.04074215	0.04602581
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1200-1300	900	0.043102351	0.038962052	0.044086038
Ching Shing Road	33/34	LD	0.19971	50	26	Y	1300-1400	850	0.037871035	0.034096968	0.038805668
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1400-1500	950	0.039061224	0.035190179	0.040113608
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1500-1600	1000	0.040043114	0.036105288	0.041098476
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1600-1700	1050	0.040137032	0.036202099	0.041184148
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1700-1800	1100	0.040903997	0.036814717	0.041865163
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1800-1900	1200	0.040652649	0.036581158	0.041615788
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1900-2000	1000	0.039946509	0.036029176	0.040993686
Ching Shing Road	33/34	LD	0.19971	50	26	Y	2000-2100	800	0.037804442	0.034041207	0.038735238

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2100-2200	650	0.037278034	0.033543327	0.038206505
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2200-2300	650	0.037651543	0.03387377	0.038588101
Ching Shing Road	33/34	LD	0.19971	50	28	Y	2300-0000	550	0.036425854	0.03273355	0.037469831
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0000-0100	100	0.030643392	0.027327094	0.031633223
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0100-0200	100	0.031387408	0.02817151	0.032252755
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0200-0300	100	0.027878104	0.024694557	0.028939303
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0300-0400	100	0.02783693	0.024939094	0.028686961
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0400-0500	100	0.03085925	0.027587182	0.031797311
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0500-0600	100	0.031246823	0.027966322	0.03214666
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0600-0700	100	0.031914988	0.028655492	0.032766826
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0700-0800	200	0.03440236	0.030911122	0.035273833
Ping Kong Road	35a/36a	LD	0.08788	50	29	Y	0800-0900	350	0.034025282	0.030556395	0.034915667
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0900-1000	250	0.034056818	0.030561277	0.034954107
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1000-1100	250	0.033970688	0.030485002	0.03486643
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1100-1200	250	0.034212874	0.030724122	0.035093904
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1200-1300	250	0.03473249	0.031197432	0.035617872
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1300-1400	200	0.04393545	0.03978973	0.044683902
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1400-1500	250	0.043479871	0.039351936	0.04423895
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1500-1600	250	0.042457655	0.038397307	0.043232703
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1600-1700	250	0.042994455	0.038883139	0.043772676
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1700-1800	250	0.044507818	0.04029301	0.045270189
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1800-1900	200	0.043337474	0.039220801	0.04409863
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1900-2000	250	0.043499287	0.039364655	0.044266127
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2000-2100	200	0.043853759	0.039687088	0.044618255
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2100-2200	150	0.045138154	0.0408591	0.045908537
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2200-2300	150	0.04538356	0.041079093	0.046156426
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2300-0000	100	0.046208462	0.041798629	0.047027282
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0000-0100	100	0.036047975	0.032276734	0.037030047
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0100-0200	100	0.037059258	0.033494452	0.037813612
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0200-0300	100	0.031560321	0.028202762	0.032513858
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0300-0400	100	0.033141131	0.029768523	0.033988901
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0400-0500	100	0.035886769	0.03217966	0.036821391
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0500-0600	100	0.035443493	0.031845778	0.03630163
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0600-0700	100	0.034900919	0.031468028	0.035698471
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0700-0800	100	0.035069637	0.031627009	0.035851632
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0800-0900	250	0.038201241	0.034470472	0.039006227
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0900-1000	200	0.04052899	0.036627775	0.041318802
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1000-1100	200	0.04052899	0.036627775	0.041318802
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1100-1200	150	0.038748253	0.034959913	0.039562877
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1200-1300	150	0.040391232	0.03648137	0.041194634
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1300-1400	150	0.051601395	0.04694377	0.05220898
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1400-1500	150	0.051424361	0.046752127	0.052054607
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1500-1600	150	0.05198633	0.04725869	0.052623322
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1600-1700	150	0.052691753	0.047926731	0.053311397
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1700-1800	200	0.052664163	0.047915539	0.053273188
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1800-1900	100	0.052359862	0.047650409	0.052958998
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1900-2000	150	0.051716117	0.047014552	0.052351787
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2000-2100	150	0.052248749	0.047501403	0.052881787
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2100-2200	100	0.052859495	0.048112642	0.053456348
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2200-2300	100	0.051212412	0.046580725	0.051826472
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2300-0000	100	0.054351733	0.04938791	0.055036145
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0000-0100	100	0.018897292	0.016506731	0.019954419
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0100-0200	100	0.019910412	0.017310424	0.021062467
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0200-0300	100	0.021535635	0.018499111	0.022887319
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0300-0400	100	0.021030614	0.018129834	0.022320221
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0400-0500	100	0.015293429	0.013589771	0.016040211
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0500-0600	100	0.017331425	0.015462868	0.01804599
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0600-0700	100	0.021290805	0.018576771	0.022407679
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0700-0800	100	0.0207077	0.018211188	0.021688764

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0800-0900	200	0.02344748	0.020710968	0.024449655
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0900-1000	150	0.024535922	0.021789443	0.025472605
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1000-1100	150	0.024535922	0.021789443	0.025472605
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1100-1200	150	0.025043242	0.022225937	0.026001517
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1200-1300	100	0.025290135	0.022397256	0.026285697
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1300-1400	100	0.022768416	0.020111603	0.023716391
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1400-1500	100	0.022259959	0.019726163	0.023148607
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1500-1600	100	0.022038905	0.019557867	0.022905624
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1600-1700	100	0.022278833	0.019732476	0.023181679
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1700-1800	150	0.021760542	0.019320032	0.022616237
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1800-1900	100	0.022131112	0.019614368	0.023018331
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1900-2000	100	0.021912586	0.019454634	0.022772247
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2000-2100	100	0.021632651	0.019258041	0.022447824
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2100-2200	100	0.022201781	0.019706055	0.023060961
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2200-2300	100	0.022434287	0.019913272	0.023302277
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2300-0000	100	0.021635115	0.018877567	0.022768335
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0000-0100	100	0.018771707	0.01638543	0.019826336
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0100-0200	100	0.020002856	0.017378046	0.021166263
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0200-0300	100	0.021278037	0.01831082	0.022598025
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0300-0400	100	0.022862476	0.019469674	0.024377085
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0400-0500	100	0.015574572	0.013681183	0.016409653
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0500-0600	100	0.018267936	0.016157816	0.019067214
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0600-0700	100	0.021856549	0.019078593	0.022972726
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0700-0800	100	0.020825983	0.018347952	0.021787599
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0800-0900	150	0.024243809	0.021471432	0.025217684
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0900-1000	100	0.025247155	0.022487098	0.026139022
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1000-1100	100	0.025247155	0.022487098	0.026139022
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1100-1200	100	0.025554029	0.022746489	0.026458223
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1200-1300	100	0.026894502	0.023930802	0.027840628
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1300-1400	100	0.023114432	0.020413443	0.024074176
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1400-1500	100	0.022494479	0.019912037	0.023405639
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1500-1600	100	0.022242598	0.01972455	0.023125132
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1600-1700	100	0.022169053	0.01966468	0.023047374
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1700-1800	100	0.02182348	0.019400091	0.022659946
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1800-1900	100	0.022143636	0.019667895	0.02299889
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1900-2000	100	0.022242598	0.01972455	0.023125132
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2000-2100	100	0.021826613	0.01952392	0.022577735
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2100-2200	100	0.022070253	0.01972745	0.022820204
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2200-2300	100	0.022398631	0.020020676	0.023160457
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2300-0000	100	0.021249785	0.018729611	0.022235094
Po Ping Road	37/38	LD	0.09988	50	30	Y	0000-0100	200	0.072259424	0.065741217	0.073129741
Po Ping Road	37/38	LD	0.09988	50	30	Y	0100-0200	150	0.022138194	0.01952276	0.023147607
Po Ping Road	37/38	LD	0.09988	50	30	Y	0200-0300	100	0.022572164	0.019884606	0.023613892
Po Ping Road	37/38	LD	0.09988	50	30	Y	0300-0400	100	0.023989107	0.021089986	0.025095367
Po Ping Road	37/38	LD	0.09988	50	30	Y	0400-0500	100	0.024382869	0.021490744	0.025470681
Po Ping Road	37/38	LD	0.09988	50	30	Y	0500-0600	100	0.07362807	0.06694345	0.074545464
Po Ping Road	37/38	LD	0.09988	50	30	Y	0600-0700	200	0.071668383	0.065257732	0.072492421
Po Ping Road	37/38	LD	0.09988	50	30	Y	0700-0800	400	0.073378713	0.066808715	0.074219758
Po Ping Road	37/38	LD	0.09988	50	28	Y	0800-0900	800	0.071863406	0.065402144	0.072826978
Po Ping Road	37/38	LD	0.09988	50	29	Y	0900-1000	650	0.073188547	0.066621535	0.074043361
Po Ping Road	37/38	LD	0.09988	50	29	Y	1000-1100	650	0.073002784	0.066453813	0.073855846
Po Ping Road	37/38	LD	0.09988	50	29	Y	1100-1200	650	0.073128359	0.066577189	0.073975416
Po Ping Road	37/38	LD	0.09988	50	29	Y	1200-1300	550	0.072769297	0.066233775	0.073623555
Po Ping Road	37/38	LD	0.09988	50	29	Y	1300-1400	500	0.0762347	0.069448088	0.077060601
Po Ping Road	37/38	LD	0.09988	50	29	Y	1400-1500	550	0.076261853	0.06949123	0.077074908
Po Ping Road	37/38	LD	0.09988	50	29	Y	1500-1600	600	0.076139795	0.069365997	0.076961392
Po Ping Road	37/38	LD	0.09988	50	29	Y	1600-1700	600	0.07590985	0.069159817	0.076728516
Po Ping Road	37/38	LD	0.09988	50	29	Y	1700-1800	650	0.076584571	0.069794492	0.077392581
Po Ping Road	37/38	LD	0.09988	50	29	Y	1800-1900	600	0.074644905	0.067991191	0.075468884

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Po Ping Road	37/38	LD	0.09988	50	29	Y	1900-2000	600	0.075802716	0.069066301	0.076617631
Po Ping Road	37/38	LD	0.09988	50	30	Y	2000-2100	450	0.075705992	0.068974371	0.076518495
Po Ping Road	37/38	LD	0.09988	50	30	Y	2100-2200	350	0.075916277	0.069153104	0.07673831
Po Ping Road	37/38	LD	0.09988	50	30	Y	2200-2300	350	0.076143859	0.069401261	0.076939192
Po Ping Road	37/38	LD	0.09988	50	30	Y	2300-0000	300	0.075422849	0.068722656	0.076228754
Po Ping Road	39/40	LD	0.04557	50	30	Y	0000-0100	200	0.057300598	0.051960598	0.058201706
Po Ping Road	39/40	LD	0.04557	50	30	Y	0100-0200	100	0.022717412	0.02002797	0.023747334
Po Ping Road	39/40	LD	0.04557	50	30	Y	0200-0300	100	0.022848267	0.020144127	0.023884032
Po Ping Road	39/40	LD	0.04557	50	30	Y	0300-0400	100	0.023476611	0.020762771	0.024478748
Po Ping Road	39/40	LD	0.04557	50	30	Y	0400-0500	100	0.024905317	0.021987628	0.025979642
Po Ping Road	39/40	LD	0.04557	50	30	Y	0500-0600	100	0.05873998	0.053239004	0.059682232
Po Ping Road	39/40	LD	0.04557	50	30	Y	0600-0700	100	0.057673411	0.052254008	0.058609184
Po Ping Road	39/40	LD	0.04557	50	29	Y	0700-0800	400	0.060559353	0.054952358	0.06146536
Po Ping Road	39/40	LD	0.04557	50	26	Y	0800-0900	650	0.05517017	0.05000556	0.056109387
Po Ping Road	39/40	LD	0.04557	50	27	Y	0900-1000	550	0.065528414	0.059530977	0.06642718
Po Ping Road	39/40	LD	0.04557	50	27	Y	1000-1100	600	0.062410506	0.056660423	0.063316647
Po Ping Road	39/40	LD	0.04557	50	27	Y	1100-1200	500	0.062488771	0.056707197	0.063411338
Po Ping Road	39/40	LD	0.04557	50	28	Y	1200-1300	500	0.061404934	0.055730293	0.0624167
Po Ping Road	39/40	LD	0.04557	50	28	Y	1300-1400	400	0.050484666	0.045693903	0.051496634
Po Ping Road	39/40	LD	0.04557	50	28	Y	1400-1500	500	0.050725431	0.045913971	0.051736987
Po Ping Road	39/40	LD	0.04557	50	28	Y	1500-1600	500	0.050582109	0.045767683	0.051603526
Po Ping Road	39/40	LD	0.04557	50	28	Y	1600-1700	500	0.050510948	0.045710908	0.051525997
Po Ping Road	39/40	LD	0.04557	50	27	Y	1700-1800	600	0.052229773	0.047300131	0.053137756
Po Ping Road	39/40	LD	0.04557	50	27	Y	1800-1900	550	0.057400447	0.05205639	0.058301495
Po Ping Road	39/40	LD	0.04557	50	28	Y	1900-2000	500	0.0504479	0.04565765	0.051460467
Po Ping Road	39/40	LD	0.04557	50	28	Y	2000-2100	400	0.05079304	0.045977085	0.051803056
Po Ping Road	39/40	LD	0.04557	50	29	Y	2100-2200	300	0.04964434	0.044893601	0.050566863
Po Ping Road	39/40	LD	0.04557	50	29	Y	2200-2300	300	0.049827165	0.04507898	0.050738258
Po Ping Road	39/40	LD	0.04557	50	30	Y	2300-0000	300	0.049286652	0.044567012	0.05020098
Po Ping Road	41/42	LD	0.20141	50	30	Y	0000-0100	100	0.024559101	0.021696228	0.025600194
Po Ping Road	41/42	LD	0.20141	50	30	Y	0100-0200	100	0.025276226	0.02235956	0.026314391
Po Ping Road	41/42	LD	0.20141	50	30	Y	0200-0300	100	0.02429391	0.021524106	0.025282796
Po Ping Road	41/42	LD	0.20141	50	30	Y	0300-0400	100	0.025910981	0.022812049	0.027044296
Po Ping Road	41/42	LD	0.20141	50	30	Y	0400-0500	100	0.025918257	0.022991428	0.026924812
Po Ping Road	41/42	LD	0.20141	50	30	Y	0500-0600	100	0.02397208	0.021131415	0.025038804
Po Ping Road	41/42	LD	0.20141	50	30	Y	0600-0700	100	0.025852244	0.022859481	0.026914138
Po Ping Road	41/42	LD	0.20141	50	30	Y	0700-0800	250	0.028380128	0.025237848	0.029391922
Po Ping Road	41/42	LD	0.20141	50	28	Y	0800-0900	450	0.027913842	0.024823527	0.029047929
Po Ping Road	41/42	LD	0.20141	50	29	Y	0900-1000	450	0.028349246	0.025227488	0.0293552
Po Ping Road	41/42	LD	0.20141	50	29	Y	1000-1100	450	0.028316705	0.025199909	0.029321306
Po Ping Road	41/42	LD	0.20141	50	29	Y	1100-1200	400	0.028308136	0.025163668	0.029333897
Po Ping Road	41/42	LD	0.20141	50	29	Y	1200-1300	350	0.028809641	0.025620866	0.029834286
Po Ping Road	41/42	LD	0.20141	50	30	Y	1300-1400	350	0.031156461	0.027865901	0.032097538
Po Ping Road	41/42	LD	0.20141	50	29	Y	1400-1500	350	0.032182993	0.028820552	0.033122165
Po Ping Road	41/42	LD	0.20141	50	29	Y	1500-1600	350	0.031906003	0.02858207	0.032833906
Po Ping Road	41/42	LD	0.20141	50	29	Y	1600-1700	350	0.031648618	0.02831989	0.032596394
Po Ping Road	41/42	LD	0.20141	50	29	Y	1700-1800	450	0.031756616	0.028430471	0.032698038
Po Ping Road	41/42	LD	0.20141	50	29	Y	1800-1900	400	0.029926031	0.026733102	0.030881627
Po Ping Road	41/42	LD	0.20141	50	29	Y	1900-2000	350	0.031967878	0.028599481	0.032924942
Po Ping Road	41/42	LD	0.20141	50	30	Y	2000-2100	300	0.028726863	0.025586549	0.029709377
Po Ping Road	41/42	LD	0.20141	50	30	Y	2100-2200	250	0.030232711	0.026985112	0.031198546
Po Ping Road	41/42	LD	0.20141	50	30	Y	2200-2300	250	0.03020937	0.026997785	0.031151825
Po Ping Road	41/42	LD	0.20141	50	30	Y	2300-0000	200	0.029432173	0.026309926	0.030354211
Po Shek Wu Road	43	PD	0.03781	50	50	N	0000-0100	550	0.03510961	0.032221046	0.035143502
Po Shek Wu Road	43	PD	0.03781	50	50	N	0100-0200	450	0.019572713	0.017916714	0.019609503
Po Shek Wu Road	43	PD	0.03781	50	50	N	0200-0300	350	0.019481125	0.017834251	0.019517046
Po Shek Wu Road	43	PD	0.03781	50	50	N	0300-0400	250	0.01964317	0.017981474	0.019680442
Po Shek Wu Road	43	PD	0.03781	50	50	N	0400-0500	200	0.01992627	0.018242461	0.019962915
Po Shek Wu Road	43	PD	0.03781	50	50	N	0500-0600	250	0.035079129	0.032192448	0.035113311

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Po Shek Wu Road	43	PD	0.03781	50	50	N	0600-0700	450	0.035265909	0.032365147	0.035299561
Po Shek Wu Road	43	PD	0.03781	50	46	N	0700-0800	1200	0.036837981	0.033828089	0.036970945
Po Shek Wu Road	43	PD	0.03781	50	40	N	0800-0900	1900	0.040146406	0.036882254	0.040279579
Po Shek Wu Road	43	PD	0.03781	50	40	N	0900-1000	1850	0.040216267	0.036946434	0.040349392
Po Shek Wu Road	43	PD	0.03781	50	40	N	1000-1100	1850	0.040119288	0.036857555	0.040252284
Po Shek Wu Road	43	PD	0.03781	50	41	N	1100-1200	1800	0.039576634	0.036374602	0.039720831
Po Shek Wu Road	43	PD	0.03781	50	43	N	1200-1300	1550	0.038376063	0.035244263	0.038509365
Po Shek Wu Road	43	PD	0.03781	50	44	N	1300-1400	1450	0.038376948	0.035254644	0.038507868
Po Shek Wu Road	43	PD	0.03781	50	42	N	1400-1500	1600	0.0394662	0.036272554	0.039510361
Po Shek Wu Road	43	PD	0.03781	50	42	N	1500-1600	1700	0.039529802	0.036331118	0.039573962
Po Shek Wu Road	43	PD	0.03781	50	41	N	1600-1700	1750	0.040154082	0.036906635	0.04029601
Po Shek Wu Road	43	PD	0.03781	50	40	N	1700-1800	1850	0.040615481	0.037313912	0.040746401
Po Shek Wu Road	43	PD	0.03781	50	38	N	1800-1900	2100	0.042039606	0.038649378	0.042189935
Po Shek Wu Road	43	PD	0.03781	50	41	N	1900-2000	1700	0.040052533	0.036813293	0.040194509
Po Shek Wu Road	43	PD	0.03781	50	44	N	2000-2100	1350	0.038401314	0.035276949	0.038532169
Po Shek Wu Road	43	PD	0.03781	50	47	N	2100-2200	1050	0.036922713	0.033999162	0.037062195
Po Shek Wu Road	43	PD	0.03781	50	47	N	2200-2300	1050	0.036825895	0.033910729	0.036965215
Po Shek Wu Road	43	PD	0.03781	50	48	N	2300-0000	850	0.036401768	0.033408533	0.036445864
Po Shek Wu Road	44	PD	0.04411	50	50	N	0000-0100	450	0.026865568	0.024630286	0.026902454
Po Shek Wu Road	44	PD	0.04411	50	50	N	0100-0200	350	0.016301255	0.014902928	0.016340844
Po Shek Wu Road	44	PD	0.04411	50	50	N	0200-0300	300	0.016022629	0.014648088	0.016061253
Po Shek Wu Road	44	PD	0.04411	50	50	N	0300-0400	200	0.016111947	0.014729811	0.01615091
Po Shek Wu Road	44	PD	0.04411	50	50	N	0400-0500	200	0.016051002	0.014672888	0.016090591
Po Shek Wu Road	44	PD	0.04411	50	50	N	0500-0600	200	0.026823081	0.024589875	0.026860788
Po Shek Wu Road	44	PD	0.04411	50	50	N	0600-0700	350	0.027206057	0.024943609	0.027242605
Po Shek Wu Road	44	PD	0.04411	50	48	N	0700-0800	950	0.027347518	0.025074304	0.027397408
Po Shek Wu Road	44	PD	0.04411	50	44	N	0800-0900	1450	0.028820358	0.026453399	0.028966486
Po Shek Wu Road	44	PD	0.04411	50	44	N	0900-1000	1450	0.028957071	0.02657896	0.029103313
Po Shek Wu Road	44	PD	0.04411	50	44	N	1000-1100	1450	0.028862555	0.026492393	0.029008506
Po Shek Wu Road	44	PD	0.04411	50	44	N	1100-1200	1450	0.028956524	0.026578735	0.029102476
Po Shek Wu Road	44	PD	0.04411	50	46	N	1200-1300	1200	0.028072045	0.025758146	0.02821827
Po Shek Wu Road	44	PD	0.04411	50	47	N	1300-1400	1150	0.021628698	0.019928925	0.021788941
Po Shek Wu Road	44	PD	0.04411	50	46	N	1400-1500	1300	0.02197894	0.020149228	0.022134579
Po Shek Wu Road	44	PD	0.04411	50	46	N	1500-1600	1350	0.021899036	0.020076212	0.022054257
Po Shek Wu Road	44	PD	0.04411	50	45	N	1600-1700	1400	0.022214403	0.020463179	0.022374661
Po Shek Wu Road	44	PD	0.04411	50	44	N	1700-1800	1500	0.022557708	0.020686878	0.022713074
Po Shek Wu Road	44	PD	0.04411	50	43	N	1800-1900	1750	0.022912568	0.021012303	0.023067935
Po Shek Wu Road	44	PD	0.04411	50	45	N	1900-2000	1350	0.022383271	0.020618497	0.022543272
Po Shek Wu Road	44	PD	0.04411	50	48	N	2000-2100	1100	0.021298783	0.019507518	0.021351183
Po Shek Wu Road	44	PD	0.04411	50	49	N	2100-2200	850	0.020830431	0.019182206	0.020986071
Po Shek Wu Road	44	PD	0.04411	50	49	N	2200-2300	850	0.020908967	0.019254304	0.021064478
Po Shek Wu Road	44	PD	0.04411	50	50	N	2300-0000	700	0.02069581	0.018948947	0.020735013
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0000-0100	250	0.018443597	0.016863575	0.018500053
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0100-0200	200	0.016246328	0.014840759	0.016303379
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0200-0300	150	0.017202342	0.015712074	0.017246406
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0300-0400	150	0.017099731	0.015616157	0.017145726
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0400-0500	100	0.016084025	0.014684105	0.016128894
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0500-0600	100	0.018270512	0.016696429	0.018314962
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0600-0700	200	0.019075554	0.017442875	0.019134295
Fanling Highway Slip Road	45	EX	0.23927	100	95	N	0700-0800	500	0.018401304	0.016816583	0.018452336
Fanling Highway Slip Road	45	EX	0.23927	100	89	N	0800-0900	850	0.018291128	0.016704283	0.01832906
Fanling Highway Slip Road	45	EX	0.23927	100	91	N	0900-1000	800	0.018336656	0.016839339	0.018381702
Fanling Highway Slip Road	45	EX	0.23927	100	91	N	1000-1100	800	0.018404088	0.016900655	0.018449504
Fanling Highway Slip Road	45	EX	0.23927	100	91	N	1100-1200	800	0.018367153	0.016867003	0.018412505
Fanling Highway Slip Road	45	EX	0.23927	100	94	N	1200-1300	650	0.018308412	0.016821169	0.018444466
Fanling Highway Slip Road	45	EX	0.23927	100	95	N	1300-1400	650	0.018578589	0.01697845	0.018630088
Fanling Highway Slip Road	45	EX	0.23927	100	93	N	1400-1500	700	0.018231727	0.016748604	0.018382909
Fanling Highway Slip Road	45	EX	0.23927	100	92	N	1500-1600	750	0.018502081	0.01699324	0.01864013
Fanling Highway Slip Road	45	EX	0.23927	100	92	N	1600-1700	750	0.018588229	0.017072372	0.018726407

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Fanling Highway Slip Road	45	EX	0.23927	100	90	N	1700-1800	800	0.018283516	0.016692422	0.018322188
Fanling Highway Slip Road	45	EX	0.23927	100	90	N	1800-1900	850	0.018312436	0.016719475	0.018350915
Fanling Highway Slip Road	45	EX	0.23927	100	92	N	1900-2000	750	0.018280233	0.016789063	0.018418604
Fanling Highway Slip Road	45	EX	0.23927	100	95	N	2000-2100	600	0.018304856	0.016726121	0.018356757
Fanling Highway Slip Road	45	EX	0.23927	100	96	N	2100-2200	450	0.018528426	0.017025604	0.018566487
Fanling Highway Slip Road	45	EX	0.23927	100	96	N	2200-2300	450	0.01849331	0.016992468	0.01853195
Fanling Highway Slip Road	45	EX	0.23927	100	97	N	2300-0000	350	0.018188082	0.016701177	0.018327065
Fanling Highway Slip Road	46	EX	0.21539	100	97	N	0000-0100	350	0.015625845	0.014344775	0.015764168
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0100-0200	300	0.015889456	0.014511889	0.015947505
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0200-0300	200	0.016631251	0.015194412	0.016687819
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0300-0400	200	0.016540966	0.015111322	0.01659916
Fanling Highway Slip Road	46	EX	0.21539	100	99	N	0400-0500	150	0.016396608	0.014969603	0.016440495
Fanling Highway Slip Road	46	EX	0.21539	100	99	N	0500-0600	150	0.016467918	0.015034894	0.016512143
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0600-0700	300	0.015818355	0.014446212	0.015876661
Fanling Highway Slip Road	46	EX	0.21539	100	93	N	0700-0800	700	0.015750344	0.014466554	0.015901091
Fanling Highway Slip Road	46	EX	0.21539	100	82	N	0800-0900	1200	0.015578064	0.014300373	0.015616205
Fanling Highway Slip Road	46	EX	0.21539	100	84	N	0900-1000	1100	0.015738499	0.014454758	0.01577693
Fanling Highway Slip Road	46	EX	0.21539	100	84	N	1000-1100	1100	0.015660382	0.014383126	0.01569862
Fanling Highway Slip Road	46	EX	0.21539	100	85	N	1100-1200	1050	0.015700486	0.014411836	0.015838922
Fanling Highway Slip Road	46	EX	0.21539	100	88	N	1200-1300	900	0.015715598	0.014427544	0.015860182
Fanling Highway Slip Road	46	EX	0.21539	100	90	N	1300-1400	850	0.013163983	0.011978251	0.013204394
Fanling Highway Slip Road	46	EX	0.21539	100	88	N	1400-1500	950	0.012875991	0.011814613	0.01302698
Fanling Highway Slip Road	46	EX	0.21539	100	87	N	1500-1600	1000	0.012879886	0.011825057	0.01303155
Fanling Highway Slip Road	46	EX	0.21539	100	86	N	1600-1700	1050	0.012725823	0.011669804	0.012872193
Fanling Highway Slip Road	46	EX	0.21539	100	85	N	1700-1800	1100	0.012974242	0.011903288	0.013120129
Fanling Highway Slip Road	46	EX	0.21539	100	83	N	1800-1900	1200	0.012868636	0.011814838	0.012908902
Fanling Highway Slip Road	46	EX	0.21539	100	87	N	1900-2000	1000	0.012877665	0.011823223	0.013029008
Fanling Highway Slip Road	46	EX	0.21539	100	92	N	2000-2100	800	0.012907229	0.011847733	0.01305318
Fanling Highway Slip Road	46	EX	0.21539	100	95	N	2100-2200	650	0.013331967	0.012146653	0.013386041
Fanling Highway Slip Road	46	EX	0.21539	100	95	N	2200-2300	600	0.013434128	0.012240815	0.013488009
Fanling Highway Slip Road	46	EX	0.21539	100	96	N	2300-0000	500	0.013248796	0.012170069	0.01328911
Fanling Highway Slip Road	47	EX	0.2288	100	98	N	0000-0100	150	0.032683733	0.029965792	0.032737662
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0100-0200	150	0.015413605	0.014062738	0.015458586
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0200-0300	100	0.013582767	0.012378237	0.013627378
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0300-0400	100	0.01244517	0.011325919	0.012492839
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0400-0500	50	0.013652709	0.012431941	0.013701472
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0500-0600	50	0.030075421	0.027547624	0.030120756
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0600-0700	150	0.03023341	0.027698918	0.030277715
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	0700-0800	350	0.030965002	0.02845531	0.031098593
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	0800-0900	550	0.031336132	0.028717907	0.031385926
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	0900-1000	550	0.031587979	0.02894925	0.031638222
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1000-1100	550	0.031451667	0.028824107	0.031501654
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1100-1200	550	0.031612151	0.028972296	0.031661445
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1200-1300	450	0.031565271	0.029019289	0.031602221
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1300-1400	450	0.020484294	0.018829775	0.02052575
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1400-1500	500	0.020182155	0.01855181	0.020223821
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1500-1600	500	0.020208597	0.018576272	0.020249716
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1600-1700	550	0.020115641	0.018490268	0.020157275
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1700-1800	550	0.020607344	0.018838128	0.02066203
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1800-1900	650	0.02022144	0.018482221	0.020276737
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1900-2000	500	0.020001217	0.018385081	0.020042706
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	2000-2100	400	0.020006656	0.018378467	0.020156197
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	2100-2200	300	0.019690243	0.01808819	0.019840524
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	2200-2300	300	0.019885151	0.018266248	0.020035303
Fanling Highway Slip Road	47	EX	0.2288	100	98	N	2300-0000	250	0.020209192	0.018479872	0.020266131
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0000-0100	400	0.034307046	0.031463882	0.034359897
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0100-0200	300	0.017845485	0.016313872	0.017902487
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0200-0300	250	0.017967167	0.016416854	0.018011955
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0300-0400	200	0.018279203	0.016702577	0.018325053

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0400-0500	150	0.019044961	0.017408499	0.019089749
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0500-0600	150	0.034982938	0.032076334	0.03502536
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0600-0700	300	0.034179119	0.031345483	0.034232421
Fanling Highway Slip Road	48	EX	0.17473	100	95	N	0700-0800	850	0.034004521	0.031179817	0.034049969
Fanling Highway Slip Road	48	EX	0.17473	100	88	N	0800-0900	1300	0.033841286	0.031103293	0.033971916
Fanling Highway Slip Road	48	EX	0.17473	100	89	N	0900-1000	1300	0.034000144	0.03116522	0.034034407
Fanling Highway Slip Road	48	EX	0.17473	100	89	N	1000-1100	1300	0.03390199	0.031075065	0.033936108
Fanling Highway Slip Road	48	EX	0.17473	100	89	N	1100-1200	1250	0.034089495	0.031247248	0.034123854
Fanling Highway Slip Road	48	EX	0.17473	100	92	N	1200-1300	1050	0.033949932	0.031204231	0.034073659
Fanling Highway Slip Road	48	EX	0.17473	100	93	N	1300-1400	1000	0.034942898	0.032122249	0.035072997
Fanling Highway Slip Road	48	EX	0.17473	100	91	N	1400-1500	1100	0.035097153	0.032257337	0.035138771
Fanling Highway Slip Road	48	EX	0.17473	100	90	N	1500-1600	1200	0.035123852	0.032197856	0.035157053
Fanling Highway Slip Road	48	EX	0.17473	100	89	N	1600-1700	1200	0.034990518	0.032079472	0.035023478
Fanling Highway Slip Road	48	EX	0.17473	100	88	N	1700-1800	1300	0.034845597	0.032027539	0.03497296
Fanling Highway Slip Road	48	EX	0.17473	100	85	N	1800-1900	1500	0.034898415	0.032074306	0.035017732
Fanling Highway Slip Road	48	EX	0.17473	100	90	N	1900-2000	1200	0.035015399	0.032098414	0.035048455
Fanling Highway Slip Road	48	EX	0.17473	100	94	N	2000-2100	950	0.035058642	0.032230413	0.035177894
Fanling Highway Slip Road	48	EX	0.17473	100	95	N	2100-2200	750	0.035378257	0.032446658	0.035422434
Fanling Highway Slip Road	48	EX	0.17473	100	96	N	2200-2300	750	0.03500703	0.032181199	0.035040102
Fanling Highway Slip Road	48	EX	0.17473	100	96	N	2300-0000	600	0.035243089	0.032398589	0.035275774
Fanling Highway EB	49	EX	0.49094	100	97	N	0000-0100	1150	0.019516466	0.017923312	0.019653438
Fanling Highway EB	49	EX	0.49094	100	97	N	0100-0200	950	0.015774645	0.014480829	0.01591403
Fanling Highway EB	49	EX	0.49094	100	98	N	0200-0300	750	0.015842189	0.014468115	0.015900287
Fanling Highway EB	49	EX	0.49094	100	98	N	0300-0400	600	0.015589088	0.014234857	0.015647491
Fanling Highway EB	49	EX	0.49094	100	99	N	0400-0500	500	0.015887846	0.014499385	0.015933519
Fanling Highway EB	49	EX	0.49094	100	99	N	0500-0600	500	0.019633707	0.01794734	0.019688093
Fanling Highway EB	49	EX	0.49094	100	97	N	0600-0700	950	0.019766752	0.01815369	0.019903546
Fanling Highway EB	49	EX	0.49094	100	92	N	0700-0800	2450	0.019462199	0.017876561	0.019599058
Fanling Highway EB	49	EX	0.49094	100	79	N	0800-0900	4150	0.019322202	0.017740877	0.01934763
Fanling Highway EB	49	EX	0.49094	100	82	N	0900-1000	3750	0.019322202	0.017744949	0.019360054
Fanling Highway EB	49	EX	0.49094	100	82	N	1000-1100	3750	0.019291705	0.017716834	0.019329605
Fanling Highway EB	49	EX	0.49094	100	83	N	1100-1200	3650	0.019284383	0.017716061	0.019322283
Fanling Highway EB	49	EX	0.49094	100	87	N	1200-1300	3100	0.019350414	0.017776251	0.019494193
Fanling Highway EB	49	EX	0.49094	100	88	N	1300-1400	2950	0.019628284	0.018026616	0.019771547
Fanling Highway EB	49	EX	0.49094	100	86	N	1400-1500	3250	0.019643074	0.018032748	0.019780302
Fanling Highway EB	49	EX	0.49094	100	84	N	1500-1600	3450	0.019648771	0.018052044	0.019686864
Fanling Highway EB	49	EX	0.49094	100	84	N	1600-1700	3550	0.019649817	0.018053009	0.019687894
Fanling Highway EB	49	EX	0.49094	100	82	N	1700-1800	3850	0.01964655	0.018043402	0.019684498
Fanling Highway EB	49	EX	0.49094	100	81	N	1800-1900	3950	0.01959592	0.018002846	0.019633868
Fanling Highway EB	49	EX	0.49094	100	84	N	1900-2000	3500	0.019616487	0.018022384	0.019654532
Fanling Highway EB	49	EX	0.49094	100	89	N	2000-2100	2750	0.019802431	0.018093935	0.01984054
Fanling Highway EB	49	EX	0.49094	100	94	N	2100-2200	2150	0.019780013	0.018174869	0.019917032
Fanling Highway EB	49	EX	0.49094	100	94	N	2200-2300	2150	0.019861832	0.018250202	0.019998867
Fanling Highway EB	49	EX	0.49094	100	95	N	2300-0000	1750	0.020014462	0.018299995	0.020065349
Fanling Highway WB	50	EX	0.53938	100	97	N	0000-0100	1250	0.01856042	0.017044047	0.01869871
Fanling Highway WB	50	EX	0.53938	100	97	N	0100-0200	1050	0.015377137	0.014115299	0.015517424
Fanling Highway WB	50	EX	0.53938	100	98	N	0200-0300	800	0.015470045	0.014124424	0.01552885
Fanling Highway WB	50	EX	0.53938	100	98	N	0300-0400	650	0.015236834	0.013910461	0.015295012
Fanling Highway WB	50	EX	0.53938	100	99	N	0400-0500	550	0.015425578	0.014074067	0.015470946
Fanling Highway WB	50	EX	0.53938	100	99	N	0500-0600	550	0.018618388	0.017011877	0.018663273
Fanling Highway WB	50	EX	0.53938	100	97	N	0600-0700	1000	0.018626403	0.017104543	0.018764677
Fanling Highway WB	50	EX	0.53938	100	90	N	0700-0800	2600	0.018302989	0.01671064	0.018341404
Fanling Highway WB	50	EX	0.53938	100	75	N	0800-0900	4750	0.018155573	0.016674558	0.018193908
Fanling Highway WB	50	EX	0.53938	100	80	N	0900-1000	4050	0.018123547	0.016629673	0.018161994
Fanling Highway WB	50	EX	0.53938	100	80	N	1000-1100	4050	0.018111493	0.016618633	0.018149892
Fanling Highway WB	50	EX	0.53938	100	81	N	1100-1200	3950	0.018182755	0.016702738	0.018221138
Fanling Highway WB	50	EX	0.53938	100	85	N	1200-1300	3350	0.018218579	0.016727731	0.018357079
Fanling Highway WB	50	EX	0.53938	100	86	N	1300-1400	3150	0.021366842	0.019618064	0.021498309
Fanling Highway WB	50	EX	0.53938	100	83	N	1400-1500	3500	0.021323599	0.019591156	0.021360099

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Fanling Highway WB	50	EX	0.53938	100	82	N	1500-1600	3700	0.021317612	0.019578587	0.02135416
Fanling Highway WB	50	EX	0.53938	100	81	N	1600-1700	3850	0.021386572	0.019649302	0.021423072
Fanling Highway WB	50	EX	0.53938	100	79	N	1700-1800	4150	0.021345695	0.01960247	0.021370141
Fanling Highway WB	50	EX	0.53938	100	80	N	1800-1900	3950	0.021335959	0.019583463	0.021372539
Fanling Highway WB	50	EX	0.53938	100	81	N	1900-2000	3750	0.021302291	0.019571796	0.021338791
Fanling Highway WB	50	EX	0.53938	100	87	N	2000-2100	2950	0.021419998	0.019679171	0.021559368
Fanling Highway WB	50	EX	0.53938	100	92	N	2100-2200	2350	0.021457979	0.019711455	0.02158943
Fanling Highway WB	50	EX	0.53938	100	92	N	2200-2300	2300	0.021561637	0.019806824	0.021692992
Fanling Highway WB	50	EX	0.53938	100	95	N	2300-0000	1900	0.021738053	0.019889722	0.021786607
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0000-0100	600	0.02350912	0.0215402	0.023546875
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0100-0200	500	0.014966787	0.013675191	0.015006521
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0200-0300	350	0.015046803	0.013748063	0.015086924
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0300-0400	300	0.01500187	0.013707056	0.015041702
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0400-0500	250	0.015003158	0.013707056	0.015043858
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0500-0600	250	0.023358582	0.021401893	0.023396144
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0600-0700	500	0.023506545	0.02153703	0.02354459
Tai Tau Leng Roundabout	51	LD	0.02892	50	46	N	0700-0800	1300	0.024734459	0.022686472	0.024885206
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	0800-0900	2050	0.026638618	0.024462335	0.026802063
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	0900-1000	1950	0.026629155	0.024453757	0.026792504
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	1000-1100	2000	0.026701495	0.024520158	0.026864812
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	1100-1200	1900	0.026321674	0.02416916	0.026372401
Tai Tau Leng Roundabout	51	LD	0.02892	50	44	N	1200-1300	1650	0.025323462	0.023233954	0.025474226
Tai Tau Leng Roundabout	51	LD	0.02892	50	45	N	1300-1400	1550	0.021038938	0.019381571	0.021201192
Tai Tau Leng Roundabout	51	LD	0.02892	50	44	N	1400-1500	1700	0.021426549	0.019644071	0.021584634
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1500-1600	1800	0.021664715	0.019863521	0.021822705
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1600-1700	1850	0.021781232	0.019970655	0.021939253
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	1700-1800	2000	0.022194206	0.020368244	0.022247507
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1800-1900	2250	0.022783885	0.020901935	0.022942084
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1900-2000	1850	0.021661706	0.01986085	0.021819663
Tai Tau Leng Roundabout	51	LD	0.02892	50	46	N	2000-2100	1450	0.020854733	0.019114114	0.021012883
Tai Tau Leng Roundabout	51	LD	0.02892	50	48	N	2100-2200	1150	0.020448083	0.018724363	0.020501192
Tai Tau Leng Roundabout	51	LD	0.02892	50	48	N	2200-2300	1100	0.020398065	0.018678046	0.020451431
Tai Tau Leng Roundabout	51	LD	0.02892	50	49	N	2300-0000	950	0.019926044	0.018351076	0.020084227
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0000-0100	250	0.032265963	0.029602756	0.032300435
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0100-0200	200	0.020703631	0.018956527	0.020741338
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0200-0300	150	0.020396987	0.018673814	0.020434114
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0300-0400	100	0.018335031	0.016776784	0.018372834
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0400-0500	100	0.018396009	0.016835348	0.018431592
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0500-0600	100	0.030134339	0.027640886	0.030168473
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0600-0700	200	0.032172155	0.0295159	0.032207158
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0700-0800	500	0.032138069	0.029484196	0.03217312
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	0800-0900	750	0.03377321	0.03100818	0.033909441
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	0900-1000	750	0.033834237	0.031064186	0.033970419
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	1000-1100	750	0.033717849	0.030957325	0.033854112
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1100-1200	750	0.033376185	0.03073633	0.033520157
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1200-1300	650	0.032727217	0.03002463	0.032773824
Tai Tau Leng Roundabout	52	LD	0.02794	50	49	N	1300-1400	600	0.024745627	0.022781037	0.024893896
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1400-1500	650	0.024810452	0.022739484	0.024860277
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1500-1600	700	0.024647232	0.022589364	0.024697122
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1600-1700	700	0.025052175	0.023078991	0.025207123
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1700-1800	800	0.025048297	0.023075708	0.025203003
Tai Tau Leng Roundabout	52	LD	0.02794	50	45	N	1800-1900	900	0.025821136	0.023781325	0.025975907
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1900-2000	700	0.024866747	0.022791208	0.024916701
Tai Tau Leng Roundabout	52	LD	0.02794	50	49	N	2000-2100	550	0.024923911	0.022945158	0.025071906
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	2100-2200	450	0.024033042	0.022021459	0.024070701
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	2200-2300	450	0.024236479	0.022209768	0.024273462
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	2300-0000	350	0.024370232	0.022331692	0.024407987
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0000-0100	650	0.023182246	0.021238915	0.02322005
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0100-0200	550	0.015117035	0.013812517	0.015157059

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0200-0300	400	0.01528299	0.013965147	0.015322918
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0300-0400	300	0.014969458	0.01367841	0.01500842
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0400-0500	250	0.01514272	0.013836335	0.015182793
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0500-0600	250	0.022867362	0.020947817	0.022906131
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0600-0700	550	0.023262665	0.021313219	0.023300372
Tai Tau Leng Roundabout	53	LD	0.02937	50	46	N	0700-0800	1350	0.024362426	0.022344776	0.024512723
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	0800-0900	2250	0.027189963	0.024963983	0.02734026
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	0900-1000	2100	0.026703169	0.024509231	0.026853514
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	1000-1100	2100	0.026681668	0.024489372	0.026832142
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1100-1200	2050	0.026225725	0.024082368	0.02638888
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	1200-1300	1750	0.025467032	0.023363008	0.025617377
Tai Tau Leng Roundabout	53	LD	0.02937	50	44	N	1300-1400	1650	0.02046128	0.018754812	0.020621104
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	1400-1500	1800	0.020893936	0.019154171	0.021053535
Tai Tau Leng Roundabout	53	LD	0.02937	50	42	N	1500-1600	1900	0.021352132	0.019592604	0.021406013
Tai Tau Leng Roundabout	53	LD	0.02937	50	42	N	1600-1700	2000	0.021284379	0.019530468	0.021338196
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1700-1800	2150	0.021537786	0.019765351	0.021710855
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	1800-1900	2300	0.0219604	0.020144046	0.022120192
Tai Tau Leng Roundabout	53	LD	0.02937	50	42	N	1900-2000	1950	0.021322022	0.019565117	0.021375774
Tai Tau Leng Roundabout	53	LD	0.02937	50	45	N	2000-2100	1550	0.020136901	0.018551552	0.020300845
Tai Tau Leng Roundabout	53	LD	0.02937	50	47	N	2100-2200	1200	0.019746538	0.018197464	0.019910386
Tai Tau Leng Roundabout	53	LD	0.02937	50	47	N	2200-2300	1200	0.019785034	0.018232387	0.019948913
Tai Tau Leng Roundabout	53	LD	0.02937	50	49	N	2300-0000	1000	0.019041452	0.017537971	0.019201582
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0000-0100	450	0.020296419	0.018580906	0.020335574
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0100-0200	350	0.014936949	0.013646915	0.01497707
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0200-0300	300	0.015278822	0.013962701	0.015318219
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0300-0400	250	0.015451891	0.014120674	0.015492109
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0400-0500	200	0.015330193	0.014007505	0.015371279
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0500-0600	200	0.02058079	0.018844517	0.020618883
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0600-0700	350	0.019972217	0.018284546	0.020010358
Tai Tau Leng Roundabout	54	LD	0.0411	50	45	N	0700-0800	950	0.021278746	0.019602116	0.021436993
Tai Tau Leng Roundabout	54	LD	0.0411	50	37	N	0800-0900	1650	0.024672885	0.022653223	0.024838342
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	0900-1000	1450	0.023648457	0.021704531	0.023800991
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1000-1100	1450	0.023570484	0.02163248	0.023723179
Tai Tau Leng Roundabout	54	LD	0.0411	50	40	N	1100-1200	1400	0.023132518	0.021222999	0.023285148
Tai Tau Leng Roundabout	54	LD	0.0411	50	42	N	1200-1300	1200	0.022564001	0.020708958	0.022615822
Tai Tau Leng Roundabout	54	LD	0.0411	50	43	N	1300-1400	1150	0.021067375	0.019314107	0.02122427
Tai Tau Leng Roundabout	54	LD	0.0411	50	42	N	1400-1500	1250	0.021271488	0.019519347	0.021324339
Tai Tau Leng Roundabout	54	LD	0.0411	50	41	N	1500-1600	1350	0.021460522	0.019694717	0.021631064
Tai Tau Leng Roundabout	54	LD	0.0411	50	40	N	1600-1700	1400	0.021882749	0.020073798	0.02203958
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1700-1800	1500	0.022278519	0.020445364	0.022435495
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1800-1900	1500	0.022250758	0.02041963	0.022407878
Tai Tau Leng Roundabout	54	LD	0.0411	50	41	N	1900-2000	1350	0.021351714	0.019594906	0.021522176
Tai Tau Leng Roundabout	54	LD	0.0411	50	44	N	2000-2100	1100	0.020465368	0.018761765	0.020622279
Tai Tau Leng Roundabout	54	LD	0.0411	50	46	N	2100-2200	850	0.019659618	0.018015238	0.019816706
Tai Tau Leng Roundabout	54	LD	0.0411	50	47	N	2200-2300	850	0.019547833	0.018014771	0.019709523
Tai Tau Leng Roundabout	54	LD	0.0411	50	48	N	2300-0000	700	0.01966039	0.018000561	0.019712855
Tai Tau Leng Roundabout	55	LD	0.03223	50	49	N	0000-0100	900	0.026330735	0.024237461	0.026476461
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0100-0200	700	0.016532727	0.015117308	0.016571496
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0200-0300	550	0.016374608	0.014971792	0.016413329
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0300-0400	450	0.016536975	0.015120254	0.016576082
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0400-0500	350	0.015959607	0.014588671	0.015998955
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0500-0600	350	0.026268469	0.024080518	0.02630521
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0600-0700	700	0.026397184	0.02419903	0.026433926
Tai Tau Leng Roundabout	55	LD	0.03223	50	42	N	0700-0800	1850	0.029322425	0.026931986	0.029371735
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	0800-0900	3050	0.034254984	0.031412512	0.034419507
Tai Tau Leng Roundabout	55	LD	0.03223	50	35	N	0900-1000	2800	0.032859811	0.03020478	0.033030321
Tai Tau Leng Roundabout	55	LD	0.03223	50	35	N	1000-1100	2850	0.032888345	0.030231125	0.033058726
Tai Tau Leng Roundabout	55	LD	0.03223	50	35	N	1100-1200	2750	0.032849366	0.030195333	0.033019699
Tai Tau Leng Roundabout	55	LD	0.03223	50	38	N	1200-1300	2350	0.03115529	0.028631855	0.031319814

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Tai Tau Leng Roundabout	55	LD	0.03223	50	39	N	1300-1400	2200	0.031373775	0.028813808	0.031519067
Tai Tau Leng Roundabout	55	LD	0.03223	50	37	N	1400-1500	2450	0.03257433	0.029923402	0.032731691
Tai Tau Leng Roundabout	55	LD	0.03223	50	36	N	1500-1600	2600	0.033038738	0.030381502	0.03320244
Tai Tau Leng Roundabout	55	LD	0.03223	50	36	N	1600-1700	2700	0.033126673	0.030462178	0.033290488
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1700-1800	2900	0.034327291	0.031571805	0.03449109
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	1800-1900	3100	0.035104524	0.032194669	0.035268339
Tai Tau Leng Roundabout	55	LD	0.03223	50	36	N	1900-2000	2650	0.033079985	0.030419434	0.033243656
Tai Tau Leng Roundabout	55	LD	0.03223	50	40	N	2000-2100	2100	0.030838427	0.028315346	0.030983606
Tai Tau Leng Roundabout	55	LD	0.03223	50	43	N	2100-2200	1650	0.029570296	0.027140025	0.029715137
Tai Tau Leng Roundabout	55	LD	0.03223	50	44	N	2200-2300	1600	0.029077177	0.026690745	0.029222098
Tai Tau Leng Roundabout	55	LD	0.03223	50	46	N	2300-0000	1350	0.028318468	0.025986287	0.028463534
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0000-0100	300	0.012170793	0.011100289	0.012212121
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0100-0200	250	0.011992526	0.010936184	0.012033902
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0200-0300	200	0.012973807	0.011839107	0.013015135
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0300-0400	150	0.013014282	0.011876315	0.013055851
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0400-0500	100	0.013380488	0.012210592	0.013423313
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0500-0600	100	0.012452589	0.011354727	0.012496138
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0600-0700	250	0.012356785	0.011271829	0.012397871
Tai Tau Leng Roundabout	56	LD	0.02826	50	49	N	0700-0800	600	0.012421368	0.011450418	0.012587033
Tai Tau Leng Roundabout	56	LD	0.02826	50	45	N	0800-0900	1050	0.013204217	0.012173142	0.013373826
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	0900-1000	950	0.012932721	0.011824993	0.013098113
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	1000-1100	950	0.013048642	0.011931178	0.013214356
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	1100-1200	900	0.013082068	0.011962399	0.013247412
Tai Tau Leng Roundabout	56	LD	0.02826	50	48	N	1200-1300	800	0.012794687	0.011679557	0.012850885
Tai Tau Leng Roundabout	56	LD	0.02826	50	48	N	1300-1400	750	0.009616925	0.008754783	0.009675505
Tai Tau Leng Roundabout	56	LD	0.02826	50	48	N	1400-1500	800	0.009565892	0.008707779	0.009624473
Tai Tau Leng Roundabout	56	LD	0.02826	50	47	N	1500-1600	850	0.009614768	0.008876401	0.009791458
Tai Tau Leng Roundabout	56	LD	0.02826	50	47	N	1600-1700	900	0.009819445	0.00906434	0.009996118
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	1700-1800	950	0.009982568	0.009106779	0.010156779
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	1800-1900	950	0.009960133	0.009085841	0.010134586
Tai Tau Leng Roundabout	56	LD	0.02826	50	47	N	1900-2000	900	0.009918773	0.009155365	0.010095318
Tai Tau Leng Roundabout	56	LD	0.02826	50	49	N	2000-2100	700	0.009540867	0.008805156	0.00971532
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	2100-2200	550	0.009429307	0.008574054	0.009473049
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	2200-2300	550	0.009531678	0.008668554	0.009575227
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	2300-0000	450	0.009025797	0.008202601	0.00906978
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0000-0100	750	0.02008207	0.018383569	0.020121564
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0100-0200	650	0.014210314	0.012978217	0.014250677
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0200-0300	500	0.013866655	0.012661691	0.013907307
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0300-0400	400	0.014183181	0.012952902	0.01422364
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0400-0500	300	0.014038179	0.012818361	0.01407941
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0500-0600	300	0.019973858	0.01828498	0.020012724
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0600-0700	600	0.019866869	0.018185185	0.019906604
Tai Tau Leng Roundabout	57	LD	0.02888	50	44	N	0700-0800	1600	0.021617529	0.019822419	0.021772783
Tai Tau Leng Roundabout	57	LD	0.02888	50	37	N	0800-0900	2600	0.024467066	0.022464302	0.024635597
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	0900-1000	2450	0.023962134	0.022011432	0.024135573
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1000-1100	2500	0.02409291	0.022131763	0.0242663
Tai Tau Leng Roundabout	57	LD	0.02888	50	39	N	1100-1200	2400	0.02354797	0.021612734	0.023703368
Tai Tau Leng Roundabout	57	LD	0.02888	50	41	N	1200-1300	2050	0.022720654	0.020855231	0.022889265
Tai Tau Leng Roundabout	57	LD	0.02888	50	42	N	1300-1400	1950	0.018390521	0.01686578	0.018445561
Tai Tau Leng Roundabout	57	LD	0.02888	50	41	N	1400-1500	2150	0.018647614	0.01710451	0.018824336
Tai Tau Leng Roundabout	57	LD	0.02888	50	40	N	1500-1600	2250	0.019024281	0.017441427	0.019187259
Tai Tau Leng Roundabout	57	LD	0.02888	50	40	N	1600-1700	2350	0.019115643	0.017525724	0.019278444
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1700-1800	2550	0.019742949	0.018127377	0.019923389
Tai Tau Leng Roundabout	57	LD	0.02888	50	37	N	1800-1900	2750	0.020189993	0.018529247	0.020366731
Tai Tau Leng Roundabout	57	LD	0.02888	50	40	N	1900-2000	2300	0.019057449	0.017471988	0.019220428
Tai Tau Leng Roundabout	57	LD	0.02888	50	43	N	2000-2100	1800	0.018211626	0.016684987	0.018374524
Tai Tau Leng Roundabout	57	LD	0.02888	50	46	N	2100-2200	1450	0.017315495	0.015856384	0.017478458
Tai Tau Leng Roundabout	57	LD	0.02888	50	46	N	2200-2300	1400	0.017247404	0.015793716	0.017410302
Tai Tau Leng Roundabout	57	LD	0.02888	50	48	N	2300-0000	1150	0.016899898	0.015458007	0.016955131

Traffic Data and Composite Emission Factors

Construction (2029 Traffic x 2024)									Composite Emission Factor (g/mile-veh)		
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	TSP
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0000-0100	350	0.025751998	0.023603106	0.025790912
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0100-0200	300	0.012598363	0.011494385	0.012639257
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0200-0300	200	0.012862086	0.011736318	0.012903414
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0300-0400	200	0.013141887	0.011995036	0.013182105
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0400-0500	150	0.013273676	0.012113564	0.013316066
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0500-0600	150	0.025404348	0.023281832	0.025444324
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0600-0700	300	0.025220641	0.023114348	0.025259266
Tai Tau Leng Roundabout	58	LD	0.05305	50	47	N	0700-0800	800	0.026255997	0.024185704	0.026414067
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	0800-0900	1250	0.02843088	0.026110271	0.028482637
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	0900-1000	1200	0.028497974	0.026172246	0.028549537
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1000-1100	1200	0.028424008	0.026103656	0.028475958
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1100-1200	1150	0.028017215	0.025710027	0.028170843
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1200-1300	1000	0.027381749	0.025123968	0.027535232
Tai Tau Leng Roundabout	58	LD	0.05305	50	46	N	1300-1400	950	0.02106068	0.019300364	0.021228206
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1400-1500	1050	0.02174721	0.019935411	0.021909078
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1500-1600	1100	0.021605154	0.019804362	0.02176744
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1600-1700	1150	0.022069916	0.020236551	0.022231719
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1700-1800	1200	0.022222289	0.020393478	0.022277006
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1800-1900	1350	0.022674611	0.020809848	0.022850416
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1900-2000	1100	0.021601838	0.019801031	0.021764221
Tai Tau Leng Roundabout	58	LD	0.05305	50	46	N	2000-2100	900	0.021120773	0.019355822	0.021282963
Tai Tau Leng Roundabout	58	LD	0.05305	50	48	N	2100-2200	700	0.020457402	0.01873204	0.020512184
Tai Tau Leng Roundabout	58	LD	0.05305	50	48	N	2200-2300	700	0.020480946	0.018753911	0.020535986
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	2300-0000	550	0.01978476	0.018108419	0.019825992
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0000-0100	250	0.037183491	0.034129101	0.037217866
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0100-0200	200	0.018238164	0.016689106	0.018275147
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0200-0300	150	0.019028401	0.017417142	0.019065045
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0300-0400	150	0.017039155	0.015583584	0.017077489
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0400-0500	100	0.017091684	0.015632942	0.017128811
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0500-0600	100	0.035665509	0.032731772	0.035699981
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0600-0700	200	0.037536082	0.034455524	0.037569589
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0700-0800	550	0.036664316	0.033651238	0.036698933
Po Shek Wu Road Flyover	60	LD	0.31852	50	45	N	0800-0900	950	0.039016292	0.035919415	0.039159556
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	0900-1000	850	0.038804857	0.035636187	0.038940669
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1000-1100	850	0.038662381	0.035504559	0.038798661
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1100-1200	850	0.038195913	0.035170491	0.038339338
Po Shek Wu Road Flyover	60	LD	0.31852	50	48	N	1200-1300	700	0.037446651	0.034368587	0.037492549
Po Shek Wu Road Flyover	60	LD	0.31852	50	49	N	1300-1400	650	0.035870765	0.033010735	0.03601213
Po Shek Wu Road Flyover	60	LD	0.31852	50	48	N	1400-1500	750	0.036251922	0.033268407	0.036299494
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1500-1600	800	0.037172837	0.034229749	0.037319287
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1600-1700	800	0.037044041	0.034111237	0.037190733
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1700-1800	900	0.037288517	0.034238407	0.037429624
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1800-1900	900	0.037374858	0.034318086	0.037515788
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1900-2000	800	0.037041949	0.034109338	0.037188641
Po Shek Wu Road Flyover	60	LD	0.31852	50	49	N	2000-2100	650	0.036032971	0.033159664	0.036174319
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2100-2200	500	0.035792824	0.032849222	0.035827779
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2200-2300	500	0.035721579	0.032782643	0.035757113
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2300-0000	400	0.035231598	0.032330627	0.035267615

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	01/02	RR	0.10886	50	48	N	0000-0100	300	0.012497956	0.011451239	0.304705669	0.042465704
Fan Kam Road	01/02	RR	0.10886	50	49	N	0100-0200	200	0.010121985	0.009365827	0.261931937	0.038700378
Fan Kam Road	01/02	RR	0.10886	50	49	N	0200-0300	200	0.009059899	0.008388368	0.241785034	0.033333682
Fan Kam Road	01/02	RR	0.10886	50	49	N	0300-0400	150	0.010114024	0.009357397	0.261028328	0.038151495
Fan Kam Road	01/02	RR	0.10886	50	49	N	0400-0500	100	0.009447968	0.008749883	0.247014606	0.038755747
Fan Kam Road	01/02	RR	0.10886	50	49	N	0500-0600	100	0.012312592	0.011382214	0.298678539	0.042471168
Fan Kam Road	01/02	RR	0.10886	50	49	N	0600-0700	200	0.012836506	0.011859779	0.311576932	0.042724881
Fan Kam Road	01/02	RR	0.10886	50	46	N	0700-0800	550	0.013770662	0.012630666	0.329015563	0.046468023
Fan Kam Road	01/02	RR	0.10886	50	41	N	0800-0900	850	0.014139359	0.013102111	0.345265737	0.050139899
Fan Kam Road	01/02	RR	0.10886	50	41	N	0900-1000	900	0.013965047	0.012941635	0.343947927	0.050227816
Fan Kam Road	01/02	RR	0.10886	50	41	N	1000-1100	900	0.014581497	0.013508025	0.354232967	0.05147959
Fan Kam Road	01/02	RR	0.10886	50	41	N	1100-1200	850	0.014217293	0.013173352	0.347833169	0.05064982
Fan Kam Road	01/02	RR	0.10886	50	44	N	1200-1300	750	0.013439774	0.012319552	0.328623461	0.047342314
Fan Kam Road	01/02	RR	0.10886	50	44	N	1300-1400	700	0.014472723	0.013269798	0.346664512	0.045946158
Fan Kam Road	01/02	RR	0.10886	50	43	N	1400-1500	750	0.014864482	0.013642443	0.356299883	0.053928159
Fan Kam Road	01/02	RR	0.10886	50	42	N	1500-1600	850	0.015060835	0.013847451	0.361390379	0.055487235
Fan Kam Road	01/02	RR	0.10886	50	42	N	1600-1700	850	0.01502141	0.013811189	0.360563861	0.055138993
Fan Kam Road	01/02	RR	0.10886	50	40	N	1700-1800	900	0.015085984	0.01386766	0.366556438	0.056671476
Fan Kam Road	01/02	RR	0.10886	50	38	N	1800-1900	1050	0.016324574	0.015006556	0.391745045	0.05152298
Fan Kam Road	01/02	RR	0.10886	50	42	N	1900-2000	850	0.015186648	0.013963168	0.362097434	0.05574289
Fan Kam Road	01/02	RR	0.10886	50	45	N	2000-2100	650	0.014547465	0.01335697	0.344549805	0.045279342
Fan Kam Road	01/02	RR	0.10886	50	47	N	2100-2200	550	0.013762416	0.012701034	0.329028613	0.050010823
Fan Kam Road	01/02	RR	0.10886	50	47	N	2200-2300	500	0.014008712	0.012927482	0.333489028	0.051209809
Fan Kam Road	01/02	RR	0.10886	50	47	N	2300-0000	400	0.013489892	0.012449764	0.326641245	0.049531851
Fan Kam Road	03/04	RR	0.13435	50	49	N	0000-0100	200	0.01328363	0.012273742	0.317363578	0.044375601
Fan Kam Road	03/04	RR	0.13435	50	49	N	0100-0200	150	0.009649434	0.008932857	0.248251386	0.034980133
Fan Kam Road	03/04	RR	0.13435	50	49	N	0200-0300	150	0.009529296	0.008821694	0.247511169	0.036363509
Fan Kam Road	03/04	RR	0.13435	50	49	N	0300-0400	100	0.00987454	0.009143311	0.251554428	0.040605061
Fan Kam Road	03/04	RR	0.13435	50	50	N	0400-0500	100	0.010559381	0.009652049	0.256113322	0.041899118
Fan Kam Road	03/04	RR	0.13435	50	50	N	0500-0600	100	0.011127857	0.010174369	0.27292675	0.04479889
Fan Kam Road	03/04	RR	0.13435	50	49	N	0600-0700	150	0.012969634	0.011984254	0.30771992	0.039046537
Fan Kam Road	03/04	RR	0.13435	50	48	N	0700-0800	450	0.013166698	0.012065962	0.314847411	0.044616366
Fan Kam Road	03/04	RR	0.13435	50	43	N	0800-0900	700	0.014061744	0.012903716	0.337534626	0.048532695
Fan Kam Road	03/04	RR	0.13435	50	45	N	0900-1000	650	0.014249909	0.013083116	0.336755624	0.048484684
Fan Kam Road	03/04	RR	0.13435	50	45	N	1000-1100	650	0.014171773	0.013010946	0.335097054	0.048205622
Fan Kam Road	03/04	RR	0.13435	50	45	N	1100-1200	650	0.014033549	0.012883611	0.334457403	0.047780588
Fan Kam Road	03/04	RR	0.13435	50	46	N	1200-1300	550	0.013606036	0.012479134	0.325421756	0.046039862
Fan Kam Road	03/04	RR	0.13435	50	47	N	1300-1400	500	0.013641707	0.012592145	0.324614524	0.045561407
Fan Kam Road	03/04	RR	0.13435	50	46	N	1400-1500	600	0.013320257	0.012216043	0.319172836	0.04421906
Fan Kam Road	03/04	RR	0.13435	50	46	N	1500-1600	600	0.013205058	0.012109404	0.316622372	0.043638402
Fan Kam Road	03/04	RR	0.13435	50	45	N	1600-1700	600	0.013270806	0.012181515	0.321650824	0.044594675
Fan Kam Road	03/04	RR	0.13435	50	45	N	1700-1800	700	0.01378425	0.012653658	0.329030666	0.045935715
Fan Kam Road	03/04	RR	0.13435	50	45	N	1800-1900	700	0.014193722	0.013030754	0.336791748	0.047775879
Fan Kam Road	03/04	RR	0.13435	50	45	N	1900-2000	600	0.013338315	0.012243074	0.319144131	0.043966024
Fan Kam Road	03/04	RR	0.13435	50	47	N	2000-2100	500	0.013614619	0.012566868	0.323755553	0.044826864
Fan Kam Road	03/04	RR	0.13435	50	48	N	2100-2200	400	0.012627158	0.011569081	0.303057979	0.041044991
Fan Kam Road	03/04	RR	0.13435	50	48	N	2200-2300	400	0.01262193	0.011564185	0.303166674	0.04095765
Fan Kam Road	03/04	RR	0.13435	50	48	N	2300-0000	350	0.013624568	0.01248721	0.321474996	0.045315414
Fan Kam Road	05/06	RR	0.28702	50	48	N	0000-0100	300	0.009680574	0.00885482	0.247583927	0.028120599
Fan Kam Road	05/06	RR	0.28702	50	49	N	0100-0200	200	0.006935331	0.006436652	0.198709856	0.023678705
Fan Kam Road	05/06	RR	0.28702	50	49	N	0200-0300	200	0.006132413	0.005699097	0.189220641	0.021270925
Fan Kam Road	05/06	RR	0.28702	50	49	N	0300-0400	100	0.006308524	0.005860008	0.190990911	0.019657582
Fan Kam Road	05/06	RR	0.28702	50	49	N	0400-0500	100	0.005883094	0.005469677	0.191319772	0.019300307
Fan Kam Road	05/06	RR	0.28702	50	49	N	0500-0600	100	0.006377347	0.005922177	0.200257473	0.021540039
Fan Kam Road	05/06	RR	0.28702	50	49	N	0600-0700	200	0.009329335	0.008636746	0.246389207	0.02645731
Fan Kam Road	05/06	RR	0.28702	50	47	N	0700-0800	550	0.009887496	0.009142012	0.255726751	0.031032499
Fan Kam Road	05/06	RR	0.28702	50	40	N	0800-0900	1000	0.010878127	0.00995298	0.28012022	0.033942739
Fan Kam Road	05/06	RR	0.28702	50	43	N	0900-1000	850	0.010151766	0.00930475	0.264342129	0.031784155
Fan Kam Road	05/06	RR	0.28702	50	42	N	1000-1100	850	0.010663955	0.009801855	0.272908742	0.033443808
Fan Kam Road	05/06	RR	0.28702	50	43	N	1100-1200	850	0.010350703	0.009487776	0.267059561	0.032490175
Fan Kam Road	05/06	RR	0.28702	50	45	N	1200-1300	750	0.009812661	0.008997641	0.254184446	0.030397581
Fan Kam Road	05/06	RR	0.28702	50	45	N	1300-1400	650	0.011654313	0.010692862	0.289972788	0.037510133
Fan Kam Road	05/06	RR	0.28702	50	44	N	1400-1500	750	0.011676365	0.010697031	0.291587075	0.038364365
Fan Kam Road	05/06	RR	0.28702	50	43	N	1500-1600	750	0.012117553	0.01111365	0.299852328	0.038760595
Fan Kam Road	05/06	RR	0.28702	50	43	N	1600-1700	850	0.012029048	0.011032206	0.297659369	0.038364432
Fan Kam Road	05/06	RR	0.28702	50	42	N	1700-1800	850	0.012097162	0.011120518	0.300497911	0.039123542
Fan Kam Road	05/06	RR	0.28702	50	42	N	1800-1900	850	0.012275314	0.011284659	0.304201275	0.039994057
Fan Kam Road	05/06	RR	0.28702	50	43	N	1900-2000	800	0.011912469	0.010924927	0.295581759	0.037770684
Fan Kam Road	05/06	RR	0.28702	50	46	N	2000-2100	650	0.011206152	0.0102695	0.280501833	0.037005403
Fan Kam Road	05/06	RR	0.28702	50	47	N	2100-2200	500	0.011273583	0.010415071	0.282506797	0.036337764
Fan Kam Road	05/06	RR	0.28702	50	47	N	2200-2300	500	0.011386374	0.010520024	0.283920581	0.036701701
Fan Kam Road	05/06	RR	0.28702	50	48	N	2300-0000	400	0.011168292	0.010224919	0.276744387	0.035227623
Fan Kam Road	07/08	RR	1.94868	50	47	N	0000-0100	400	0.011152738	0.010304992	0.276577941	0.032661548
Fan Kam Road	07/08	RR	1.94868	50	48	N	0100-0200	300	0.00832615	0.007608447	0.222745585	0.028780913
Fan Kam Road	07/08	RR	1.94868	50	48	N	0200-0300	250	0.008043875	0.007348612	0.217799579	0.028117068
Fan Kam Road	07/08	RR	1.94868	50	49	N	0300-0400	200	0.007247745	0.006721538	0.209615688	0.025443101
Fan Kam Road	07/08	RR	1.94868	50	49	N	0400-0500	200	0.007210722	0.006689697	0.208815023	0.026658872
Fan Kam Road	07/08	RR	1.94868	50	49	N	0500-0600	200	0.01018969	0.009427489	0.260806442	0.028823118
Fan Kam Road	07/08	RR	1.94868	50	48	N	0600-0700	300	0.010987852	0.010058199	0.272022242	0.031899966
Fan Kam Road	07/08	RR	1.94868	50	42	N	0700-0800	850	0.012304895	0.011310001	0.302237963	0.036280879
Fan Kam Road	07/08	RR	1.94868	50	33	N	0800-0900	1400	0.01459123	0.013368555	0.354485834	0.044327256
Fan Kam Road	07/08	RR	1.94868	50	35	N	0900-1000	1250	0.013945951	0.012867627	0.34197364	0.042416935
Fan Kam Road	07/08	RR	1.94868	50	35	N	1000-1100	1300	0.01396048	0.012881133	0.3419209	

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	07/08	RR	1.94868	50	35	N	1700-1800	1300	0.013666718	0.012611463	0.335383926	0.041617869
Fan Kam Road	07/08	RR	1.94868	50	34	N	1800-1900	1400	0.013981757	0.012894316	0.342707639	0.043122064
Fan Kam Road	07/08	RR	1.94868	50	37	N	1900-2000	1200	0.013071969	0.012031021	0.321224555	0.040778958
Fan Kam Road	07/08	RR	1.94868	50	41	N	2000-2100	950	0.011805004	0.01096132	0.296443136	0.036109159
Fan Kam Road	07/08	RR	1.94868	50	44	N	2100-2200	750	0.011731938	0.010747903	0.291248975	0.035800335
Fan Kam Road	07/08	RR	1.94868	50	45	N	2200-2300	750	0.01172498	0.01075766	0.286885876	0.035260119
Fan Kam Road	07/08	RR	1.94868	50	46	N	2300-0000	600	0.010701027	0.009804196	0.269734793	0.031908882
Fan Kam Road	09/10	RR	0.27529	50	49	N	0000-0100	500	0.015606066	0.014408014	0.358711987	0.053660566
Fan Kam Road	09/10	RR	0.27529	50	49	N	0100-0200	400	0.012529516	0.011579962	0.303135625	0.049377555
Fan Kam Road	09/10	RR	0.27529	50	49	N	0200-0300	300	0.012639321	0.011682148	0.304059494	0.049785354
Fan Kam Road	09/10	RR	0.27529	50	50	N	0300-0400	200	0.011473593	0.010493687	0.283350914	0.04398062
Fan Kam Road	09/10	RR	0.27529	50	50	N	0400-0500	200	0.011884989	0.010873396	0.290380609	0.047355567
Fan Kam Road	09/10	RR	0.27529	50	50	N	0500-0600	200	0.014421581	0.0132082	0.338424637	0.049546817
Fan Kam Road	09/10	RR	0.27529	50	49	N	0600-0700	400	0.015251504	0.014082693	0.352996635	0.05071611
Fan Kam Road	09/10	RR	0.27529	50	48	N	0700-0800	900	0.016147761	0.014811438	0.36950414	0.055024707
Fan Kam Road	09/10	RR	0.27529	50	47	N	0800-0900	1500	0.016031971	0.01478823	0.369559295	0.054482458
Fan Kam Road	09/10	RR	0.27529	50	47	N	0900-1000	1400	0.016275651	0.015012171	0.374246173	0.05560654
Fan Kam Road	09/10	RR	0.27529	50	47	N	1000-1100	1450	0.016236293	0.014976388	0.372879814	0.055223763
Fan Kam Road	09/10	RR	0.27529	50	47	N	1100-1200	1350	0.016286737	0.015022181	0.373964079	0.052317887
Fan Kam Road	09/10	RR	0.27529	50	47	N	1200-1300	1150	0.016078183	0.014830587	0.371323238	0.055215759
Fan Kam Road	09/10	RR	0.27529	50	48	N	1300-1400	1150	0.011368663	0.010408711	0.277492399	0.03109903
Fan Kam Road	09/10	RR	0.27529	50	47	N	1400-1500	1300	0.011478429	0.010605456	0.282474006	0.032614016
Fan Kam Road	09/10	RR	0.27529	50	47	N	1500-1600	1350	0.011220072	0.010368032	0.277174229	0.031836432
Fan Kam Road	09/10	RR	0.27529	50	47	N	1600-1700	1400	0.011538787	0.010661075	0.28313358	0.03193958
Fan Kam Road	09/10	RR	0.27529	50	47	N	1700-1800	1500	0.011543213	0.010665082	0.282714386	0.032348104
Fan Kam Road	09/10	RR	0.27529	50	47	N	1800-1900	1650	0.011444515	0.01057424	0.281196811	0.032037429
Fan Kam Road	09/10	RR	0.27529	50	47	N	1900-2000	1350	0.011613158	0.010729568	0.283099299	0.032133262
Fan Kam Road	09/10	RR	0.27529	50	48	N	2000-2100	1100	0.01133321	0.010376117	0.276853686	0.031141627
Fan Kam Road	09/10	RR	0.27529	50	48	N	2100-2200	850	0.011412624	0.010449194	0.278164693	0.032198636
Fan Kam Road	09/10	RR	0.27529	50	48	N	2200-2300	800	0.011532165	0.010559308	0.279459705	0.032072979
Fan Kam Road	09/10	RR	0.27529	50	49	N	2300-0000	700	0.011111402	0.010274495	0.271731659	0.030621519
Fan Kam Road	11	RR	0.0882	50	49	N	0000-0100	350	0.018224839	0.016818095	0.393915301	0.046720415
Fan Kam Road	11	RR	0.0882	50	49	N	0100-0200	300	0.010560853	0.009768879	0.268618472	0.040591631
Fan Kam Road	11	RR	0.0882	50	49	N	0200-0300	200	0.010677048	0.009877622	0.268062669	0.041031609
Fan Kam Road	11	RR	0.0882	50	50	N	0300-0400	200	0.010660488	0.009744127	0.268600495	0.040911649
Fan Kam Road	11	RR	0.0882	50	50	N	0400-0500	150	0.010636235	0.0097229	0.26858752	0.039141547
Fan Kam Road	11	RR	0.0882	50	50	N	0500-0600	150	0.018074044	0.01656979	0.389688874	0.04572156
Fan Kam Road	11	RR	0.0882	50	49	N	0600-0700	300	0.018272669	0.016862031	0.350674593	0.047228388
Fan Kam Road	11	RR	0.0882	50	48	N	0700-0800	750	0.018320257	0.016809888	0.39817525	0.047979952
Fan Kam Road	11	RR	0.0882	50	47	N	0800-0900	1250	0.018646696	0.017196034	0.406450368	0.046781421
Fan Kam Road	11	RR	0.0882	50	47	N	0900-1000	1150	0.018601249	0.017154175	0.406136804	0.049034346
Fan Kam Road	11	RR	0.0882	50	47	N	1000-1100	1150	0.018555978	0.017111275	0.404990194	0.048893255
Fan Kam Road	11	RR	0.0882	50	47	N	1100-1200	1100	0.018526478	0.017085456	0.404864746	0.04884565
Fan Kam Road	11	RR	0.0882	50	47	N	1200-1300	950	0.018631681	0.017182564	0.406055737	0.048560121
Fan Kam Road	11	RR	0.0882	50	48	N	1300-1400	900	0.01590563	0.014585179	0.350674593	0.034058177
Fan Kam Road	11	RR	0.0882	50	47	N	1400-1500	1000	0.016059789	0.01481987	0.355620864	0.033884722
Fan Kam Road	11	RR	0.0882	50	47	N	1500-1600	1050	0.016195215	0.01494469	0.358055463	0.034633904
Fan Kam Road	11	RR	0.0882	50	47	N	1600-1700	1050	0.016287607	0.01502947	0.359565028	0.034799328
Fan Kam Road	11	RR	0.0882	50	47	N	1700-1800	1150	0.016163044	0.014914901	0.357524782	0.034906543
Fan Kam Road	11	RR	0.0882	50	47	N	1800-1900	1200	0.016144987	0.014898389	0.357213036	0.034451533
Fan Kam Road	11	RR	0.0882	50	47	N	1900-2000	1050	0.016029452	0.01479206	0.354932241	0.034270884
Fan Kam Road	11	RR	0.0882	50	48	N	2000-2100	850	0.016110483	0.014773665	0.353610664	0.033874374
Fan Kam Road	11	RR	0.0882	50	48	N	2100-2200	650	0.015845504	0.01452993	0.350026365	0.033954245
Fan Kam Road	11	RR	0.0882	50	48	N	2200-2300	650	0.016033331	0.014702468	0.352806105	0.03436524
Fan Kam Road	11	RR	0.0882	50	49	N	2300-0000	550	0.015801328	0.014588945	0.347546801	0.033149461
Fan Kam Road	12	RR	0.09121	50	49	N	0000-0100	350	0.017672448	0.0163098	0.382553767	0.042462364
Fan Kam Road	12	RR	0.09121	50	49	N	0100-0200	250	0.009359671	0.008664692	0.246420388	0.03630635
Fan Kam Road	12	RR	0.09121	50	49	N	0200-0300	200	0.009810239	0.009078326	0.254337926	0.03848302
Fan Kam Road	12	RR	0.09121	50	50	N	0300-0400	150	0.009025716	0.008240453	0.24047391	0.03268811
Fan Kam Road	12	RR	0.09121	50	50	N	0400-0500	150	0.009084168	0.008292853	0.238895352	0.03013152
Fan Kam Road	12	RR	0.09121	50	50	N	0500-0600	150	0.017061283	0.015636274	0.371761956	0.040241824
Fan Kam Road	12	RR	0.09121	50	49	N	0600-0700	250	0.017744498	0.016376073	0.381935183	0.042534061
Fan Kam Road	12	RR	0.09121	50	48	N	0700-0800	700	0.017978272	0.016494183	0.389994231	0.043525674
Fan Kam Road	12	RR	0.09121	50	47	N	0800-0900	1150	0.018192733	0.016779648	0.396128583	0.044064499
Fan Kam Road	12	RR	0.09121	50	47	N	0900-1000	1050	0.018191654	0.016778683	0.396232772	0.044228153
Fan Kam Road	12	RR	0.09121	50	47	N	1000-1100	1050	0.018138095	0.016729614	0.395080611	0.044108739
Fan Kam Road	12	RR	0.09121	50	47	N	1100-1200	1050	0.018157295	0.016746866	0.395658333	0.044196079
Fan Kam Road	12	RR	0.09121	50	48	N	1200-1300	900	0.017991758	0.01650672	0.390042543	0.042912015
Fan Kam Road	12	RR	0.09121	50	48	N	1300-1400	850	0.01661778	0.015240954	0.363825895	0.037002053
Fan Kam Road	12	RR	0.09121	50	48	N	1400-1500	950	0.016328018	0.014974302	0.359058245	0.036297692
Fan Kam Road	12	RR	0.09121	50	47	N	1500-1600	1000	0.016566796	0.015285437	0.366439341	0.036843372
Fan Kam Road	12	RR	0.09121	50	47	N	1600-1700	1000	0.016618859	0.015333476	0.366504519	0.0370307
Fan Kam Road	12	RR	0.09121	50	47	N	1700-1800	1100	0.016582954	0.015300275	0.366139359	0.037134052
Fan Kam Road	12	RR	0.09121	50	47	N	1800-1900	1200	0.016589907	0.01530697	0.366381919	0.037079093
Fan Kam Road	12	RR	0.09121	50	47	N	1900-2000	1000	0.016404542	0.01513646	0.363709314	0.036795719
Fan Kam Road	12	RR	0.09121	50	48	N	2000-2100	800	0.016394677	0.015035715	0.360050953	0.036633546
Fan Kam Road	12	RR	0.09121	50	48	N	2100-2200	600	0.016550639	0.015179075	0.362389604	0.037700026
Fan Kam Road	12	RR	0.09121	50	48	N	2200-2300	600	0.016545054	0.015174183	0.363108546	0.037533217
Fan Kam Road	12	RR	0.09121	50	49	N	2300-0000	500	0.01633386	0.015078668	0.358304396	0.036387203
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	30	N	0000-0100	450	0.027954025	0.025695167	0.628297715	0.074084535
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	30	N	0100-0200	350	0.015726296	0.014443347	0.391480883	0.062831287
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	30	N	0200-0300	250	0.015044563	0.013816093	0.38350786	0.061001949
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	30	N	0300-0400	200	0.015451392	0.014191847	0.393828911	0.062187756
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	30	N	0400-0500	150	0.014536545	0.013349905		

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	27	N	1000-1100	1300	0.03040326	0.027991459	0.692248307	0.082736863
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	27	N	1100-1200	1200	0.030482731	0.028064416	0.693722314	0.082609268
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	27	N	1200-1300	1050	0.030663319	0.028230251	0.698546254	0.083960047
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	28	N	1300-1400	1050	0.024099023	0.022171985	0.544494935	0.051855062
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	28	N	1400-1500	1150	0.024146491	0.022215214	0.544386813	0.052092211
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	27	N	1500-1600	1250	0.024725155	0.022768586	0.558353117	0.053285351
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	27	N	1600-1700	1250	0.024950078	0.022975214	0.562668452	0.054359808
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	27	N	1700-1800	1350	0.024865527	0.022897459	0.561536999	0.054266776
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	26	N	1800-1900	1450	0.0253854	0.023287534	0.574577413	0.055220754
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	27	N	1900-2000	1250	0.024983187	0.023005721	0.563432142	0.054908055
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	28	N	2000-2100	1000	0.023775287	0.021873772	0.53714802	0.051225326
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	29	N	2100-2200	800	0.023222247	0.021344786	0.523012783	0.049144518
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	29	N	2200-2300	750	0.023240425	0.021361308	0.523819435	0.0488197
Castle Peak Road - Kwu Tung	13/14	LD	0.42005	50	30	N	2300-0000	600	0.022592014	0.020757322	0.505697557	0.047063693
Po Kin Road	15/16	LD	0.1415	50	30	Y	0000-0100	250	0.025377551	0.023052564	0.626543432	0.100511365
Po Kin Road	15/16	LD	0.1415	50	30	Y	0100-0200	200	0.023615865	0.021441235	0.578492369	0.090598038
Po Kin Road	15/16	LD	0.1415	50	30	Y	0200-0300	200	0.023082374	0.02093645	0.560652483	0.084268794
Po Kin Road	15/16	LD	0.1415	50	30	Y	0300-0400	100	0.023212138	0.021034593	0.561163039	0.082298134
Po Kin Road	15/16	LD	0.1415	50	30	Y	0400-0500	100	0.022906186	0.020744233	0.554395762	0.085185303
Po Kin Road	15/16	LD	0.1415	50	30	Y	0500-0600	100	0.023221427	0.021039477	0.563745738	0.084705085
Po Kin Road	15/16	LD	0.1415	50	30	Y	0600-0700	200	0.023165765	0.021006664	0.560353486	0.086765685
Po Kin Road	15/16	LD	0.1415	50	30	Y	0700-0800	450	0.024287302	0.022049548	0.601412731	0.097283195
Po Kin Road	15/16	LD	0.1415	50	28	Y	0800-0900	800	0.025149554	0.022868312	0.618962201	0.09886537
Po Kin Road	15/16	LD	0.1415	50	28	Y	0900-1000	750	0.025237313	0.022949299	0.621987384	0.099443967
Po Kin Road	15/16	LD	0.1415	50	28	Y	1000-1100	750	0.025202698	0.022919077	0.621762687	0.099255465
Po Kin Road	15/16	LD	0.1415	50	28	Y	1100-1200	750	0.025245364	0.022957756	0.623226614	0.100072167
Po Kin Road	15/16	LD	0.1415	50	29	Y	1200-1300	650	0.024462545	0.022220071	0.604330358	0.095369412
Po Kin Road	15/16	LD	0.1415	50	29	Y	1300-1400	650	0.025698386	0.023360004	0.644732498	0.1035992
Po Kin Road	15/16	LD	0.1415	50	29	Y	1400-1500	700	0.026502702	0.024099747	0.664009086	0.106160804
Po Kin Road	15/16	LD	0.1415	50	29	Y	1500-1600	750	0.026275743	0.02389198	0.65693174	0.105352206
Po Kin Road	15/16	LD	0.1415	50	28	Y	1600-1700	800	0.026927678	0.024510826	0.675972848	0.109601546
Po Kin Road	15/16	LD	0.1415	50	28	Y	1700-1800	800	0.026684726	0.024287148	0.666973439	0.106424056
Po Kin Road	15/16	LD	0.1415	50	28	Y	1800-1900	850	0.026759409	0.024354995	0.670969387	0.107660712
Po Kin Road	15/16	LD	0.1415	50	28	Y	1900-2000	750	0.026699985	0.024299373	0.666626194	0.107847367
Po Kin Road	15/16	LD	0.1415	50	29	Y	2000-2100	600	0.025687975	0.023347833	0.644675494	0.102602561
Po Kin Road	15/16	LD	0.1415	50	30	Y	2100-2200	500	0.025519689	0.023191352	0.641282059	0.10335071
Po Kin Road	15/16	LD	0.1415	50	30	Y	2200-2300	450	0.025322512	0.02300805	0.627146199	0.098754545
Po Kin Road	15/16	LD	0.1415	50	30	Y	2300-0000	400	0.02572559	0.023382859	0.638668182	0.09862715
Po Kin Road	17/18	LD	0.1249	50	30	Y	0000-0100	200	0.025529992	0.023192209	0.633618033	0.101927851
Po Kin Road	17/18	LD	0.1249	50	30	Y	0100-0200	200	0.022887548	0.020761991	0.549904235	0.083114867
Po Kin Road	17/18	LD	0.1249	50	30	Y	0200-0300	150	0.023099598	0.020947712	0.549388905	0.083255104
Po Kin Road	17/18	LD	0.1249	50	30	Y	0300-0400	100	0.02330746	0.021132532	0.5712032605	0.087547498
Po Kin Road	17/18	LD	0.1249	50	30	Y	0400-0500	100	0.022320212	0.020220146	0.523211295	0.069881605
Po Kin Road	17/18	LD	0.1249	50	30	Y	0500-0600	100	0.022588893	0.020499943	0.531528406	0.07321151
Po Kin Road	17/18	LD	0.1249	50	30	Y	0600-0700	200	0.023390346	0.021213965	0.566501881	0.086721479
Po Kin Road	17/18	LD	0.1249	50	28	Y	0700-0800	400	0.025162574	0.022886466	0.623112248	0.100492034
Po Kin Road	17/18	LD	0.1249	50	25	Y	0800-0900	700	0.026867722	0.024388229	0.660027692	0.10719843
Po Kin Road	17/18	LD	0.1249	50	25	Y	0900-1000	700	0.026861624	0.024388444	0.663756908	0.108283889
Po Kin Road	17/18	LD	0.1249	50	25	Y	1000-1100	700	0.026950892	0.024461817	0.663630363	0.107876213
Po Kin Road	17/18	LD	0.1249	50	26	Y	1100-1200	650	0.026439044	0.023987444	0.650435454	0.106204458
Po Kin Road	17/18	LD	0.1249	50	26	Y	1200-1300	500	0.02645758	0.024008638	0.652923812	0.105875569
Po Kin Road	17/18	LD	0.1249	50	27	Y	1300-1400	600	0.026451583	0.024093898	0.668737429	0.111441237
Po Kin Road	17/18	LD	0.1249	50	26	Y	1400-1500	700	0.027703862	0.025157709	0.703649616	0.117999686
Po Kin Road	17/18	LD	0.1249	50	26	Y	1500-1600	700	0.027729492	0.025182817	0.706388918	0.119446941
Po Kin Road	17/18	LD	0.1249	50	26	Y	1600-1700	700	0.027517406	0.024991097	0.699100743	0.118686317
Po Kin Road	17/18	LD	0.1249	50	25	Y	1700-1800	800	0.028206318	0.025622638	0.714860428	0.120418938
Po Kin Road	17/18	LD	0.1249	50	25	Y	1800-1900	800	0.028045922	0.025475358	0.710035278	0.1190692
Po Kin Road	17/18	LD	0.1249	50	26	Y	1900-2000	700	0.027707724	0.025161877	0.705596561	0.120151714
Po Kin Road	17/18	LD	0.1249	50	27	Y	2000-2100	600	0.026713991	0.024327448	0.675969174	0.111863874
Po Kin Road	17/18	LD	0.1249	50	28	Y	2100-2200	400	0.02647272	0.024093562	0.677083607	0.114760434
Po Kin Road	17/18	LD	0.1249	50	28	Y	2200-2300	400	0.02624642	0.023880186	0.671660338	0.113531394
Po Kin Road	17/18	LD	0.1249	50	29	Y	2300-0000	400	0.02615966	0.02377742	0.666141771	0.107812743
Po Kin Road	19/20	LD	0.2318	50	30	N	0000-0100	200	0.026593283	0.024440174	0.603093955	0.069016524
Po Kin Road	19/20	LD	0.2318	50	30	N	0100-0200	150	0.012457691	0.011434824	0.327748871	0.050048737
Po Kin Road	19/20	LD	0.2318	50	30	N	0200-0300	100	0.014082339	0.012933308	0.35771219	0.060395454
Po Kin Road	19/20	LD	0.2318	50	30	N	0300-0400	100	0.011355322	0.010417445	0.317565833	0.046082004
Po Kin Road	19/20	LD	0.2318	50	30	N	0400-0500	100	0.01066736	0.009788754	0.299832938	0.030548592
Po Kin Road	19/20	LD	0.2318	50	30	N	0500-0600	100	0.020396255	0.018739403	0.493879792	0.0433654
Po Kin Road	19/20	LD	0.2318	50	30	N	0600-0700	200	0.022309394	0.020500363	0.5262458	0.062212837
Po Kin Road	19/20	LD	0.2318	50	29	N	0700-0800	400	0.025569612	0.023505032	0.586822031	0.073450235
Po Kin Road	19/20	LD	0.2318	50	26	N	0800-0900	600	0.028267464	0.025944318	0.651196323	0.077930158
Po Kin Road	19/20	LD	0.2318	50	27	N	0900-1000	550	0.027673378	0.025480779	0.633367834	0.077327017
Po Kin Road	19/20	LD	0.2318	50	27	N	1000-1100	550	0.027583075	0.025397908	0.630927806	0.077050795
Po Kin Road	19/20	LD	0.2318	50	27	N	1100-1200	550	0.027319233	0.025155434	0.627520922	0.077323104
Po Kin Road	19/20	LD	0.2318	50	28	N	1200-1300	450	0.026692547	0.024555845	0.611484875	0.073916812
Po Kin Road	19/20	LD	0.2318	50	28	N	1300-1400	450	0.029495411	0.027135993	0.662340277	0.073266273
Po Kin Road	19/20	LD	0.2318	50	28	N	1400-1500	500	0.029681912	0.027307067	0.6671179	0.072950654
Po Kin Road	19/20	LD	0.2318	50	27	N	1500-1600	550	0.029612183	0.027265347	0.6681633	0.074711415
Po Kin Road	19/20	LD	0.2318	50	27	N	1600-1700	550	0.02969853	0.027344235	0.670866088	0.075136554
Po Kin Road	19/20	LD	0.2318	50	27	N	1700-1800	600	0.030030858	0.027650332	0.67921624	0.074608182
Po Kin Road	19/20	LD	0.2318	50	27	N	1800-1900	600	0.029871605	0.027503938	0.675647178	0.074143468
Po Kin Road	19/20	LD	0.2318	50	27	N	1900-2000	550	0.029377861	0.027050142	0.665677785	0.075340478
Po Kin Road	19/20	LD	0.2318	50	28	N	2000-2100	400	0.02883			

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Kin Road	21	LD	0.184	50	30	N	0300-0400	50	0.015051921	0.013824088	0.379979621	0.06624636
Po Kin Road	21	LD	0.184	50	30	N	0400-0500	50	0.015836573	0.014549677	0.391445666	0.066471524
Po Kin Road	21	LD	0.184	50	30	N	0500-0600	50	0.085816724	0.078939047	1.732374873	0.12575649
Po Kin Road	21	LD	0.184	50	30	N	0600-0700	100	0.085015995	0.078199248	1.726188426	0.121387378
Po Kin Road	21	LD	0.184	50	26	N	0700-0800	250	0.093071083	0.085591013	1.956594134	0.144563058
Po Kin Road	21	LD	0.184	50	24	N	0800-0900	350	0.097027865	0.08924791	2.085095199	0.154760458
Po Kin Road	21	LD	0.184	50	23	N	0900-1000	400	0.099530427	0.09156411	2.163006085	0.160991966
Po Kin Road	21	LD	0.184	50	23	N	1000-1100	400	0.099330868	0.091380612	2.158161397	0.160738591
Po Kin Road	21	LD	0.184	50	24	N	1100-1200	350	0.097169423	0.089378556	2.088390476	0.152380817
Po Kin Road	21	LD	0.184	50	25	N	1200-1300	300	0.094879986	0.087252436	2.019142914	0.151285546
Po Kin Road	21	LD	0.184	50	26	N	1300-1400	300	0.051793566	0.047595737	1.116609216	0.085209454
Po Kin Road	21	LD	0.184	50	26	N	1400-1500	350	0.051944877	0.047735187	1.116949963	0.08688314
Po Kin Road	21	LD	0.184	50	25	N	1500-1600	350	0.053012419	0.048718174	1.149102499	0.088371348
Po Kin Road	21	LD	0.184	50	25	N	1600-1700	350	0.053098068	0.048796919	1.1471818507	0.089069514
Po Kin Road	21	LD	0.184	50	24	N	1700-1800	400	0.054826455	0.050408838	1.199076799	0.093796157
Po Kin Road	21	LD	0.184	50	22	N	1800-1900	500	0.057061545	0.052491008	1.271388197	0.099469046
Po Kin Road	21	LD	0.184	50	25	N	1900-2000	350	0.052288633	0.048052727	1.134602423	0.086980457
Po Kin Road	21	LD	0.184	50	27	N	2000-2100	300	0.050960055	0.046902673	1.086275947	0.08952395
Po Kin Road	21	LD	0.184	50	28	N	2100-2200	200	0.048831553	0.044928861	1.039262792	0.079041321
Po Kin Road	21	LD	0.184	50	28	N	2200-2300	200	0.049703318	0.045732632	1.052886547	0.079824154
Po Kin Road	21	LD	0.184	50	29	N	2300-0000	200	0.048195218	0.044326661	1.012179367	0.0747904
Po Kin Road	22	LD	0.18362	50	29	N	0000-0100	150	0.045225254	0.041590712	0.955385006	0.079117282
Po Kin Road	22	LD	0.18362	50	30	N	0100-0200	100	0.010629717	0.009752625	0.293024527	0.038637131
Po Kin Road	22	LD	0.18362	50	30	N	0200-0300	100	0.011891539	0.010912785	0.300550061	0.045993201
Po Kin Road	22	LD	0.18362	50	30	N	0300-0400	50	0.011983288	0.011001604	0.308725223	0.043893924
Po Kin Road	22	LD	0.18362	50	30	N	0400-0500	50	0.009448346	0.008667283	0.257481715	0.024143475
Po Kin Road	22	LD	0.18362	50	30	N	0500-0600	50	0.042732412	0.039292552	0.898569594	0.05748543
Po Kin Road	22	LD	0.18362	50	30	N	0600-0700	100	0.04384904	0.040315725	0.913353994	0.07006255
Po Kin Road	22	LD	0.18362	50	27	N	0700-0800	300	0.047502411	0.043722127	1.018681986	0.08299931
Po Kin Road	22	LD	0.18362	50	22	N	0800-0900	450	0.053869411	0.049554373	1.202275756	0.09863885
Po Kin Road	22	LD	0.18362	50	24	N	0900-1000	450	0.051115276	0.046993698	1.120862696	0.091691103
Po Kin Road	22	LD	0.18362	50	24	N	1000-1100	450	0.051039984	0.046924432	1.118970204	0.091599564
Po Kin Road	22	LD	0.18362	50	24	N	1100-1200	400	0.051212159	0.047082614	1.123651207	0.091131808
Po Kin Road	22	LD	0.18362	50	25	N	1200-1300	350	0.049557785	0.045539897	1.079184034	0.087813871
Po Kin Road	22	LD	0.18362	50	25	N	1300-1400	350	0.062207567	0.057180717	1.343264687	0.07262037
Po Kin Road	22	LD	0.18362	50	24	N	1400-1500	350	0.063523672	0.058412541	1.384494632	0.113184536
Po Kin Road	22	LD	0.18362	50	24	N	1500-1600	400	0.062675966	0.05763188	1.368428132	0.110206284
Po Kin Road	22	LD	0.18362	50	24	N	1600-1700	400	0.063208418	0.058121909	1.381731259	0.111557328
Po Kin Road	22	LD	0.18362	50	23	N	1700-1800	450	0.064730584	0.059533433	1.42431772	0.112625579
Po Kin Road	22	LD	0.18362	50	24	N	1800-1900	400	0.063186579	0.058101985	1.378713353	0.109928978
Po Kin Road	22	LD	0.18362	50	24	N	1900-2000	400	0.062660613	0.057618539	1.371200919	0.109935093
Po Kin Road	22	LD	0.18362	50	26	N	2000-2100	300	0.059918146	0.055075212	1.284941223	0.101126993
Po Kin Road	22	LD	0.18362	50	27	N	2100-2200	250	0.058630172	0.05395741	1.250322657	0.098665903
Po Kin Road	22	LD	0.18362	50	27	N	2200-2300	250	0.057971999	0.053353278	1.238376126	0.098677909
Po Kin Road	22	LD	0.18362	50	28	N	2300-0000	200	0.057078266	0.052518624	1.204535838	0.091243464
Pak Wo Road	23	DD	0.07982	50	40	N	0000-0100	200	0.044383648	0.040823779	0.868722765	0.078413741
Pak Wo Road	23	DD	0.07982	50	40	N	0100-0200	150	0.022791498	0.02095654	0.497134553	0.060484764
Pak Wo Road	23	DD	0.07982	50	40	N	0200-0300	100	0.022955699	0.021107625	0.49930382	0.057835382
Pak Wo Road	23	DD	0.07982	50	40	N	0300-0400	100	0.024725591	0.022736426	0.531437527	0.060368457
Pak Wo Road	23	DD	0.07982	50	40	N	0400-0500	100	0.026776909	0.024624733	0.562983905	0.054945483
Pak Wo Road	23	DD	0.07982	50	40	N	0500-0600	100	0.044283611	0.040731885	0.871094487	0.069979105
Pak Wo Road	23	DD	0.07982	50	40	N	0600-0700	150	0.044468895	0.040903135	0.868472254	0.075346879
Pak Wo Road	23	DD	0.07982	50	38	N	0700-0800	400	0.044914329	0.041313373	0.892199199	0.079253513
Pak Wo Road	23	DD	0.07982	50	35	N	0800-0900	700	0.047312992	0.043557571	0.957533206	0.085786339
Pak Wo Road	23	DD	0.07982	50	36	N	0900-1000	650	0.046645693	0.042916344	0.939054831	0.084500087
Pak Wo Road	23	DD	0.07982	50	36	N	1000-1100	650	0.046495091	0.042777329	0.936107639	0.084217905
Pak Wo Road	23	DD	0.07982	50	36	N	1100-1200	650	0.046757414	0.043019053	0.938871607	0.084295266
Pak Wo Road	23	DD	0.07982	50	37	N	1200-1300	550	0.045951181	0.042270096	0.918608872	0.08105799
Pak Wo Road	23	DD	0.07982	50	37	N	1300-1400	500	0.045426535	0.041786005	0.90604696	0.076321803
Pak Wo Road	23	DD	0.07982	50	37	N	1400-1500	550	0.045258455	0.041631782	0.902341317	0.076806168
Pak Wo Road	23	DD	0.07982	50	37	N	1500-1600	600	0.045558758	0.041907221	0.907140751	0.076185798
Pak Wo Road	23	DD	0.07982	50	37	N	1600-1700	600	0.045404326	0.041765583	0.904964001	0.07567974
Pak Wo Road	23	DD	0.07982	50	36	N	1700-1800	650	0.046095281	0.042409707	0.923892445	0.07589194
Pak Wo Road	23	DD	0.07982	50	36	N	1800-1900	650	0.046095281	0.042409707	0.923892445	0.07589194
Pak Wo Road	23	DD	0.07982	50	37	N	1900-2000	600	0.045508965	0.041862079	0.907046315	0.076335209
Pak Wo Road	23	DD	0.07982	50	38	N	2000-2100	500	0.044392805	0.040833113	0.880753577	0.073742234
Pak Wo Road	23	DD	0.07982	50	39	N	2100-2200	400	0.04434858	0.04079613	0.873800084	0.073436427
Pak Wo Road	23	DD	0.07982	50	39	N	2200-2300	350	0.044058753	0.040530073	0.867612462	0.07182322
Pak Wo Road	23	DD	0.07982	50	39	N	2300-0000	300	0.04373571	0.040233182	0.86195639	0.071835612
Pak Wo Road	24	DD	0.06463	50	40	N	0000-0100	150	0.057732786	0.053104377	1.101011213	0.081880993
Pak Wo Road	24	DD	0.06463	50	40	N	0100-0200	100	0.023387003	0.021505567	0.503703751	0.059592174
Pak Wo Road	24	DD	0.06463	50	40	N	0200-0300	100	0.025115165	0.023093636	0.536279448	0.05142493
Pak Wo Road	24	DD	0.06463	50	40	N	0300-0400	50	0.027221877	0.025030771	0.579964801	0.053293443
Pak Wo Road	24	DD	0.06463	50	40	N	0400-0500	50	0.031710257	0.02916046	0.647136261	0.060646487
Pak Wo Road	24	DD	0.06463	50	40	N	0500-0600	50	0.05864192	0.053945903	1.114277357	0.078129563
Pak Wo Road	24	DD	0.06463	50	40	N	0600-0700	100	0.056031999	0.051539982	1.066537552	0.07504289
Pak Wo Road	24	DD	0.06463	50	39	N	0700-0800	300	0.058074434	0.053426133	1.116276822	0.082999776
Pak Wo Road	24	DD	0.06463	50	37	N	0800-0900	500	0.059795482	0.055000136	1.162958806	0.087062276
Pak Wo Road	24	DD	0.06463	50	37	N	0900-1000	500	0.059465084	0.054696678	1.159122742	0.087408172
Pak Wo Road	24	DD	0.06463	50	37	N	1000-1100	500	0.059916279	0.055111712	1.166761751	0.087673762
Pak Wo Road	24	DD	0.06463	50	38	N	1100-1200	450	0.058745353	0.054040613	1.13505835	0.085886151
Pak Wo Road	24	DD	0.06463	50	38	N	1200-1300	400	0.058799797	0.054089939	1.137061935	0.08626932
Pak Wo Road	24	DD	0.06463	50	39	N	1300-1400	400	0.045600778	0.041949965	0.893815238	0.067623943
Pak Wo Road	24	DD	0.06463	50	38	N	1400-1500	400	0.046297737	0.042588102	0.912274108	0.069653358
Pak Wo Road	24	DD	0.06463	50	38	N	1500-1600	450	0.046528292	0.042799973	0.914541303	0.069489414

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Pak Wo Road	24	DD	0.06463	50	39	N	2000-2100	350	0.045579583	0.041930605	0.893244033	0.067242367
Pak Wo Road	24	DD	0.06463	50	39	N	2100-2200	300	0.045547718	0.041901025	0.893633849	0.070278701
Pak Wo Road	24	DD	0.06463	50	39	N	2200-2300	300	0.046017083	0.042332378	0.903438713	0.071196365
Pak Wo Road	24	DD	0.06463	50	40	N	2300-0000	250	0.044679719	0.041095951	0.869540859	0.063294099
Pak Wo Road	25/26	DD	0.11311	50	39	N	0000-0100	250	0.079620592	0.07324748	1.491165477	0.105117654
Pak Wo Road	25/26	DD	0.11311	50	40	N	0100-0200	200	0.028297997	0.026022964	0.591140569	0.062724158
Pak Wo Road	25/26	DD	0.11311	50	40	N	0200-0300	100	0.031288914	0.028776326	0.640663799	0.065599517
Pak Wo Road	25/26	DD	0.11311	50	40	N	0300-0400	100	0.034135619	0.031394616	0.699953982	0.066801311
Pak Wo Road	25/26	DD	0.11311	50	40	N	0400-0500	100	0.039858357	0.036663986	0.782135841	0.073044254
Pak Wo Road	25/26	DD	0.11311	50	40	N	0500-0600	100	0.077254764	0.071070047	1.432804475	0.100956129
Pak Wo Road	25/26	DD	0.11311	50	40	N	0600-0700	200	0.077520161	0.071312785	1.440962216	0.100468047
Pak Wo Road	25/26	DD	0.11311	50	37	N	0700-0800	500	0.079968802	0.073553587	1.521520609	0.11032968
Pak Wo Road	25/26	DD	0.11311	50	33	N	0800-0900	800	0.085176511	0.078316698	1.670379562	0.120475275
Pak Wo Road	25/26	DD	0.11311	50	33	N	0900-1000	800	0.084839683	0.078006811	1.664719427	0.119564507
Pak Wo Road	25/26	DD	0.11311	50	33	N	1000-1100	800	0.085420157	0.078540992	1.67437117	0.120464782
Pak Wo Road	25/26	DD	0.11311	50	34	N	1100-1200	750	0.084321469	0.077604754	1.641345638	0.11801971
Pak Wo Road	25/26	DD	0.11311	50	35	N	1200-1300	650	0.083104249	0.076479722	1.603760435	0.116094757
Pak Wo Road	25/26	DD	0.11311	50	36	N	1300-1400	650	0.064276903	0.059132432	1.250266309	0.094220004
Pak Wo Road	25/26	DD	0.11311	50	35	N	1400-1500	700	0.06532514	0.060126178	1.279877994	0.096270126
Pak Wo Road	25/26	DD	0.11311	50	34	N	1500-1600	750	0.066133131	0.060871957	1.304959379	0.100216353
Pak Wo Road	25/26	DD	0.11311	50	34	N	1600-1700	750	0.066020928	0.060769183	1.303861818	0.099610603
Pak Wo Road	25/26	DD	0.11311	50	34	N	1700-1800	850	0.06644121	0.061155315	1.310927352	0.100520093
Pak Wo Road	25/26	DD	0.11311	50	33	N	1800-1900	900	0.06719671	0.061772699	1.33517266	0.101726974
Pak Wo Road	25/26	DD	0.11311	50	34	N	1900-2000	750	0.066034306	0.060780714	1.304841301	0.100159878
Pak Wo Road	25/26	DD	0.11311	50	36	N	2000-2100	600	0.064108258	0.05897804	1.248908824	0.094314623
Pak Wo Road	25/26	DD	0.11311	50	37	N	2100-2200	450	0.063208357	0.058139642	1.218901775	0.09154525
Pak Wo Road	25/26	DD	0.11311	50	37	N	2200-2300	450	0.062854858	0.057814008	1.213008967	0.091887296
Pak Wo Road	25/26	DD	0.11311	50	38	N	2300-0000	400	0.062941412	0.057900962	1.20246961	0.091025832
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0000-0100	300	0.043819238	0.040051249	1.036780528	0.140851502
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0100-0200	200	0.026807334	0.024374962	0.704344384	0.122287844
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0200-0300	200	0.025628392	0.023275099	0.663782001	0.10868648
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0300-0400	100	0.025611243	0.023269393	0.657588014	0.109134476
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0400-0500	100	0.025992781	0.023623259	0.681827224	0.117184395
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0500-0600	100	0.041576453	0.037973229	0.979819378	0.129486473
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0600-0700	200	0.042788507	0.039093821	0.988068642	0.116893522
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	0700-0800	550	0.043885145	0.040118895	1.042039361	0.139887752
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	0800-0900	950	0.045809288	0.041922452	1.085490959	0.141823839
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	0900-1000	850	0.04658734	0.040844675	1.061864931	0.142062679
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1000-1100	850	0.044552949	0.040743819	1.059167731	0.141445323
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1100-1200	800	0.044733213	0.040915544	1.063293747	0.140795606
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1200-1300	700	0.045199435	0.041342262	1.071665913	0.141341962
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	1300-1400	700	0.060956917	0.055830567	1.368635254	0.150740577
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1400-1500	700	0.06044683	0.05380304	1.3682075	0.153929351
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1500-1600	800	0.062030608	0.056838942	1.397607371	0.15514777
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1600-1700	800	0.062122279	0.056924612	1.405579852	0.1570255
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1700-1800	900	0.061839407	0.056662606	1.395793247	0.153550886
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	1800-1900	900	0.060641871	0.055572969	1.38167498	0.15561815
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1900-2000	800	0.061648549	0.056487169	1.391622336	0.153656381
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2000-2100	600	0.060504258	0.055418153	1.361030836	0.151933736
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2100-2200	500	0.060823948	0.055704978	1.370392223	0.155342186
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2200-2300	500	0.060487724	0.055406874	1.362854947	0.154331323
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	2300-0000	400	0.060556799	0.055452424	1.345160058	0.146197617
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0000-0100	300	0.035804588	0.032675904	0.8754992	0.124302257
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0100-0200	200	0.026803324	0.024379198	0.707839515	0.121105282
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0200-0300	200	0.025358505	0.023027576	0.651326031	0.105626271
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0300-0400	100	0.02523859	0.022946681	0.652375938	0.105133891
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0400-0500	100	0.025502498	0.023194814	0.674309509	0.113502959
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0500-0600	100	0.031785063	0.028981033	0.787327744	0.118667541
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0600-0700	200	0.034649549	0.031605196	0.833962591	0.11473556
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	0700-0800	600	0.035497672	0.032389622	0.875306647	0.12988979
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	0800-0900	1000	0.036320722	0.03318737	0.895530077	0.132199833
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	0900-1000	900	0.036141641	0.032999103	0.889405331	0.131760989
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1000-1100	900	0.036538661	0.033362453	0.899617351	0.132615297
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1100-1200	850	0.036049077	0.03291482	0.889456306	0.131754805
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1200-1300	750	0.035997802	0.032867916	0.887910656	0.131807848
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	1300-1400	700	0.037512869	0.034247112	0.918200813	0.132673534
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1400-1500	800	0.038925162	0.035564471	0.953753588	0.138118225
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1500-1600	850	0.038683222	0.035339078	0.945511606	0.136484707
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1600-1700	850	0.038701084	0.035356418	0.945465129	0.136362526
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1700-1800	900	0.038630032	0.03529639	0.943361716	0.135651982
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	1800-1900	950	0.039228019	0.035866518	0.959952086	0.138200625
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1900-2000	850	0.038443567	0.035122647	0.941480953	0.136708196
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2000-2100	650	0.037397523	0.034142732	0.912687199	0.130748517
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2100-2200	500	0.037973405	0.034672996	0.930455461	0.135412869
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2200-2300	500	0.037664653	0.034380265	0.917997923	0.132008493
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2300-0000	400	0.037320179	0.034071925	0.906388162	0.127891922
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0000-0100	200	0.040510305	0.037031955	1.00935099	0.144317647
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0100-0200	100	0.02897667	0.026384348	0.807331269	0.144780748
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0200-0300	100	0.029542515	0.026922447	0.845561252	0.158491021
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0300-0400	100	0.028088897	0.025600888	0.784202409	0.146759529
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0400-0500	100	0.030370035	0.027646048	0.849659948	0.159609976
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0500-0600	100	0.037514121	0.034226213	0.956726854	0

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1300-1400	450	0.036174455	0.03299169	0.806285224	0.096683433
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1400-1500	500	0.037352603	0.034076924	0.839819127	0.103658224
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1500-1600	500	0.03736209	0.034088251	0.843307262	0.105289191
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1600-1700	500	0.037334776	0.034066148	0.846595478	0.104719053
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1700-1800	550	0.037077452	0.033838246	0.833424387	0.100462965
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1800-1900	650	0.037704289	0.034409467	0.849639246	0.10267523
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1900-2000	500	0.037702959	0.034407013	0.852473364	0.106143101
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2000-2100	400	0.037576153	0.034290639	0.84412331	0.10365547
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2100-2200	300	0.036515385	0.033307774	0.810422488	0.094408847
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2200-2300	300	0.036738257	0.033520788	0.819824227	0.095876561
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2300-0000	250	0.036515623	0.033302909	0.805596583	0.091031487
Ching Shing Road	33/34	LD	0.19971	50	29	Y	0000-0100	350	0.035458729	0.032358706	0.912603199	0.148737248
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0100-0200	300	0.028141472	0.025631635	0.772158927	0.138477286
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0200-0300	200	0.027306697	0.024850977	0.737678201	0.129286471
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0300-0400	200	0.026715376	0.024305257	0.725813785	0.126113945
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0400-0500	150	0.026440889	0.024062538	0.718730479	0.124471744
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0500-0600	150	0.03262717	0.030336745	0.845230046	0.13136822
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0600-0700	250	0.03467951	0.031635299	0.877401024	0.134147363
Ching Shing Road	33/34	LD	0.19971	50	27	Y	0700-0800	750	0.036435401	0.033294285	0.9320666	0.146706703
Ching Shing Road	33/34	LD	0.19971	50	22	Y	0800-0900	1150	0.040368898	0.036889383	1.044952126	0.167516546
Ching Shing Road	33/34	LD	0.19971	50	23	Y	0900-1000	1100	0.039652966	0.036205899	1.022142863	0.163696537
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1000-1100	1100	0.039802129	0.036340941	1.025631016	0.164710689
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1100-1200	1100	0.03957036	0.036126295	1.023139865	0.164134579
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1200-1300	900	0.037976248	0.03463852	0.977503991	0.156793833
Ching Shing Road	33/34	LD	0.19971	50	26	Y	1300-1400	850	0.033857423	0.030823035	0.815262933	0.116303106
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1400-1500	950	0.03475569	0.031651188	0.837104858	0.121043995
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1500-1600	1000	0.03547138	0.032326717	0.856899653	0.124142335
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1600-1700	1050	0.03562064	0.032468256	0.86199498	0.12512583
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1700-1800	1100	0.03622062	0.033025426	0.87741737	0.127977768
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1800-1900	1200	0.036091805	0.032906083	0.872902181	0.12589509
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1900-2000	1000	0.035382391	0.03224975	0.855427773	0.123960006
Ching Shing Road	33/34	LD	0.19971	50	26	Y	2000-2100	800	0.033737681	0.030715043	0.812514244	0.115380608
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2100-2200	650	0.033021746	0.030144155	0.799193074	0.116087601
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2200-2300	650	0.033325551	0.030418354	0.808380658	0.117835296
Ching Shing Road	33/34	LD	0.19971	50	28	Y	2300-0000	550	0.032496749	0.029630477	0.77761258	0.109881095
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0000-0100	100	0.018067627	0.016240144	0.29561158	0.012922526
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0100-0200	100	0.016904906	0.01523352	0.300988453	0.012649633
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0200-0300	100	0.017477532	0.015726202	0.301385849	0.0128792
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0300-0400	100	0.016727444	0.015093585	0.288038793	0.012178213
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0400-0500	100	0.018001467	0.016186203	0.292552917	0.012802027
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0500-0600	100	0.0195522	0.017636066	0.347505305	0.025282591
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0600-0700	100	0.017920015	0.01616289	0.338696591	0.019783156
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0700-0800	150	0.018370954	0.016568656	0.329861824	0.020203839
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0800-0900	300	0.019988166	0.018057162	0.389625801	0.040596761
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0900-1000	250	0.020597958	0.018637698	0.416516708	0.050475941
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1000-1100	250	0.020597958	0.018637698	0.416516708	0.050475941
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1100-1200	200	0.020835788	0.018849811	0.421621311	0.052312704
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1200-1300	200	0.021209915	0.019197392	0.439850633	0.057720596
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1300-1400	150	0.02132347	0.019293789	0.434808819	0.04463881
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1400-1500	200	0.02117129	0.019163198	0.424860572	0.043623507
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1500-1600	200	0.022039794	0.019946377	0.450568762	0.049273577
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1600-1700	200	0.021852893	0.01978528	0.448240939	0.048890268
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1700-1800	250	0.021721679	0.019654779	0.443605085	0.047229081
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1800-1900	150	0.02164324	0.019590906	0.439382713	0.046940091
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	1900-2000	200	0.021901359	0.019822352	0.451090803	0.04894515
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2000-2100	150	0.021530513	0.019474342	0.435148914	0.045111494
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2100-2200	100	0.022123071	0.020026595	0.461317959	0.051154113
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2200-2300	100	0.022257902	0.020144143	0.46720148	0.051888052
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	2300-0000	100	0.021428819	0.01935978	0.432577693	0.045367822
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0000-0100	100	0.016000613	0.014469442	0.286197813	0.011845484
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0100-0200	100	0.017347206	0.015652695	0.262332406	0.011611404
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0200-0300	100	0.016782312	0.015141943	0.286873433	0.012162807
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0300-0400	100	0.018001467	0.016186203	0.292552917	0.012802027
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0400-0500	100	0.018543458	0.016628174	0.317582967	0.013788169
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0500-0600	100	0.019813769	0.017827136	0.361565042	0.024595231
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0600-0700	100	0.01908529	0.017243962	0.32693329	0.02383333
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0700-0800	100	0.018730828	0.016910201	0.348559343	0.023951285
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0800-0900	250	0.020774478	0.018801052	0.416207124	0.046266149
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0900-1000	150	0.021911942	0.019856383	0.45476047	0.059914941
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1000-1100	150	0.021712696	0.019677775	0.455561545	0.05943185
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1100-1200	150	0.021990201	0.019925243	0.45813858	0.060508066
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1200-1300	100	0.022288022	0.020205523	0.480691277	0.063900515
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1300-1400	100	0.0222717	0.020152453	0.4573741	0.052493232
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1400-1500	100	0.02224271	0.020115607	0.453955672	0.051868092
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1500-1600	150	0.022059812	0.019974009	0.447011529	0.051165805
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1600-1700	150	0.02224978	0.020127606	0.455489038	0.051192982
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1700-1800	150	0.02223378	0.020108017	0.455834056	0.05229513
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1800-1900	100	0.022262436	0.020155321	0.455574883	0.05276232
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	1900-2000	150	0.022000018	0.019921656	0.444518419	0.050832279
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2000-2100	100	0.022131427	0.020047708	0.447427984	0.05118329
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2100-2200	100	0.022481221	0.020320077	0.466922182	0.052459671
Ping Kong Road	35b/36b	LD	0.13047	50	30							

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0600-0700	100	0.020145958	0.018148543	0.372348813	0.027829507
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0700-0800	100	0.019587582	0.017704184	0.395570548	0.036062147
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0800-0900	200	0.020774863	0.018789486	0.418255364	0.047556494
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0900-1000	150	0.021394891	0.019390303	0.452095315	0.058960069
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1000-1100	150	0.021394891	0.019390303	0.452095315	0.058960069
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1100-1200	150	0.021788988	0.019740534	0.467199146	0.060741189
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1200-1300	100	0.022218923	0.020113067	0.46311549	0.061513142
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1300-1400	100	0.022206166	0.020108722	0.466811253	0.055173069
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1400-1500	100	0.021926168	0.019883709	0.461531387	0.054950761
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1500-1600	100	0.02176889	0.019753361	0.452853445	0.054153768
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1600-1700	100	0.021906527	0.019861805	0.449325136	0.053112632
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1700-1800	150	0.021534153	0.019544887	0.446163317	0.052466438
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1800-1900	100	0.021823004	0.019791712	0.455366245	0.053434807
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1900-2000	100	0.0216413	0.019641539	0.44747652	0.053413664
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2000-2100	100	0.021534779	0.019567558	0.445511456	0.054036335
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2100-2200	100	0.021914664	0.019886185	0.471950443	0.057465751
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2200-2300	100	0.022146009	0.020096508	0.465751845	0.057709823
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2300-0000	100	0.019213449	0.017292385	0.378635265	0.034536401
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0000-0100	100	0.017060985	0.015369151	0.299756894	0.01267036
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0100-0200	100	0.01808034	0.016250585	0.296172323	0.01294468
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0200-0300	100	0.019020609	0.017017206	0.339642419	0.014657217
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0300-0400	100	0.020188746	0.017969537	0.393674186	0.016785775
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0400-0500	100	0.01426001	0.012884277	0.373200566	0.013900029
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0500-0600	100	0.018089213	0.016395819	0.457290855	0.035881322
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0600-0700	100	0.020945604	0.018873812	0.402687404	0.033097318
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0700-0800	100	0.02042857	0.018499557	0.424275347	0.044880221
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0800-0900	150	0.021813741	0.019765687	0.466209323	0.060010167
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0900-1000	100	0.022636957	0.02055487	0.500617363	0.071764495
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1000-1100	100	0.022636957	0.02055487	0.500617363	0.071764495
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1100-1200	100	0.022873748	0.020763347	0.511626162	0.073465517
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1200-1300	100	0.023586394	0.021403222	0.517798999	0.078825278
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1300-1400	100	0.023498899	0.021306714	0.502237477	0.063937435
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1400-1500	100	0.023268504	0.021125382	0.503482247	0.064426978
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1500-1600	100	0.023069611	0.020958113	0.493436564	0.063408157
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1600-1700	100	0.02299098	0.020888943	0.48999006	0.062946359
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1700-1800	100	0.022909411	0.02083386	0.495246125	0.063885793
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1800-1900	100	0.022987432	0.020897434	0.502337028	0.066322787
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1900-2000	100	0.023096911	0.020958113	0.493436564	0.063408157
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2000-2100	100	0.022872119	0.020843664	0.486225846	0.067652514
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2100-2200	100	0.022985426	0.020939597	0.520068048	0.072656673
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2200-2300	100	0.02331099	0.021236076	0.512731303	0.073173451
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2300-0000	100	0.018900832	0.017089465	0.376235412	0.042389452
Po Ping Road	37/38	LD	0.09988	50	30	Y	0000-0100	200	0.075645947	0.06932398	1.496969177	0.097690986
Po Ping Road	37/38	LD	0.09988	50	30	Y	0100-0200	150	0.019667674	0.017785611	0.413815114	0.043383133
Po Ping Road	37/38	LD	0.09988	50	30	Y	0200-0300	100	0.020090753	0.018159164	0.411142633	0.038605611
Po Ping Road	37/38	LD	0.09988	50	30	Y	0300-0400	100	0.021204273	0.019143989	0.447112151	0.044643695
Po Ping Road	37/38	LD	0.09988	50	30	Y	0400-0500	100	0.021735513	0.019647471	0.441267636	0.048855193
Po Ping Road	37/38	LD	0.09988	50	30	Y	0500-0600	100	0.076989576	0.070536018	1.509883175	0.098076263
Po Ping Road	37/38	LD	0.09988	50	30	Y	0600-0700	200	0.075182696	0.068922264	1.494727558	0.096743628
Po Ping Road	37/38	LD	0.09988	50	30	Y	0700-0800	400	0.07557333	0.069271615	1.507857248	0.10734086
Po Ping Road	37/38	LD	0.09988	50	28	Y	0800-0900	800	0.073852675	0.067710474	1.496635098	0.107921891
Po Ping Road	37/38	LD	0.09988	50	29	Y	0900-1000	650	0.07557781	0.06927933	1.516849526	0.106657282
Po Ping Road	37/38	LD	0.09988	50	29	Y	1000-1100	650	0.07538227	0.069100727	1.512379878	0.106339883
Po Ping Road	37/38	LD	0.09988	50	29	Y	1100-1200	650	0.07547019	0.069184664	1.516431993	0.107587649
Po Ping Road	37/38	LD	0.09988	50	29	Y	1200-1300	550	0.074767857	0.068533004	1.512147371	0.111086077
Po Ping Road	37/38	LD	0.09988	50	29	Y	1300-1400	500	0.078060392	0.071571195	1.609638101	0.127701024
Po Ping Road	37/38	LD	0.09988	50	29	Y	1400-1500	550	0.07831467	0.071812287	1.610456057	0.123889855
Po Ping Road	37/38	LD	0.09988	50	29	Y	1500-1600	600	0.077687974	0.071230499	1.604447628	0.127926602
Po Ping Road	37/38	LD	0.09988	50	29	Y	1600-1700	600	0.077543002	0.071099388	1.598408227	0.126154746
Po Ping Road	37/38	LD	0.09988	50	29	Y	1700-1800	650	0.078371078	0.071866517	1.618263963	0.12874466
Po Ping Road	37/38	LD	0.09988	50	29	Y	1800-1900	600	0.076174891	0.069838804	1.571121969	0.124487717
Po Ping Road	37/38	LD	0.09988	50	29	Y	1900-2000	600	0.07737254	0.070944505	1.597258608	0.127016563
Po Ping Road	37/38	LD	0.09988	50	30	Y	2000-2100	450	0.077731641	0.071268229	1.586685496	0.12521257
Po Ping Road	37/38	LD	0.09988	50	30	Y	2100-2200	350	0.077704491	0.071236835	1.589929574	0.125106584
Po Ping Road	37/38	LD	0.09988	50	30	Y	2200-2300	350	0.077953427	0.071481721	1.59440964	0.126602443
Po Ping Road	37/38	LD	0.09988	50	30	Y	2300-0000	300	0.076729178	0.070349375	1.576348841	0.12652568
Po Ping Road	39/40	LD	0.04557	50	30	Y	0000-0100	200	0.05893186	0.05394084	1.18149109	0.082473588
Po Ping Road	39/40	LD	0.04557	50	30	Y	0100-0200	100	0.020151109	0.018219475	0.428675975	0.04797428
Po Ping Road	39/40	LD	0.04557	50	30	Y	0200-0300	100	0.020308202	0.018361513	0.422668732	0.040991222
Po Ping Road	39/40	LD	0.04557	50	30	Y	0300-0400	100	0.020802332	0.018832849	0.450890979	0.047467541
Po Ping Road	39/40	LD	0.04557	50	30	Y	0400-0500	100	0.022173719	0.020057266	0.458946315	0.053392953
Po Ping Road	39/40	LD	0.04557	50	30	Y	0500-0600	100	0.060232922	0.055118478	1.191533233	0.086135461
Po Ping Road	39/40	LD	0.04557	50	30	Y	0600-0700	100	0.059281099	0.054242348	1.185629857	0.082017681
Po Ping Road	39/40	LD	0.04557	50	29	Y	0700-0800	400	0.060572917	0.055454751	1.235518221	0.099233519
Po Ping Road	39/40	LD	0.04557	50	26	Y	0800-0900	650	0.054560437	0.049867636	1.137617269	0.09600472
Po Ping Road	39/40	LD	0.04557	50	27	Y	0900-1000	550	0.06648028	0.06092407	1.370177097	0.106245017
Po Ping Road	39/40	LD	0.04557	50	27	Y	1000-1100	600	0.063052887	0.057770527	1.298435354	0.101816981
Po Ping Road	39/40	LD	0.04557	50	27	Y	1100-1200	500	0.063016324	0.057726834	1.301122379	0.103004598
Po Ping Road	39/40	LD	0.04557	50	28	Y	1200-1300	500	0.061770869	0.056574128	1.271930931	0.102624895
Po Ping Road	39/40	LD	0.04557	50	28	Y	1300-1400	400	0.04873514	0.04458265	1.057917103	0.108616633
Po Ping Road	39/40	LD	0.04557	50	28	Y	1400-1500	500	0.049082879	0.044901914	1.068756378	0.110542259
Po Ping Road	39/40	LD	0.04557	50	28	Y	1500-1600	500	0.0490302	0.044847756	1.06	

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Ping Road	39/40	LD	0.04557	50	30	Y	2300-0000	300	0.047784791	0.043678569	1.026948022	0.103976478
Po Ping Road	41/42	LD	0.20141	50	30	Y	0000-0100	100	0.021661111	0.019598215	0.485717026	0.060865729
Po Ping Road	41/42	LD	0.20141	50	30	Y	0100-0200	100	0.022330436	0.020215058	0.504965549	0.068058464
Po Ping Road	41/42	LD	0.20141	50	30	Y	0200-0300	100	0.021491023	0.019470808	0.490603579	0.066853137
Po Ping Road	41/42	LD	0.20141	50	30	Y	0300-0400	100	0.022730839	0.020530479	0.498866864	0.05583929
Po Ping Road	41/42	LD	0.20141	50	30	Y	0400-0500	100	0.022734888	0.020604761	0.521937313	0.06336362
Po Ping Road	41/42	LD	0.20141	50	30	Y	0500-0600	100	0.021100434	0.019072959	0.446177186	0.05807014
Po Ping Road	41/42	LD	0.20141	50	30	Y	0600-0700	100	0.02280833	0.02064292	0.509832718	0.070387015
Po Ping Road	41/42	LD	0.20141	50	30	Y	0700-0800	250	0.023633492	0.021423165	0.552734089	0.083989501
Po Ping Road	41/42	LD	0.20141	50	28	Y	0800-0900	450	0.023464632	0.021291371	0.532886537	0.076921165
Po Ping Road	41/42	LD	0.20141	50	29	Y	0900-1000	450	0.023855546	0.021636924	0.563289208	0.085311639
Po Ping Road	41/42	LD	0.20141	50	29	Y	1000-1100	450	0.023830957	0.021615279	0.562016058	0.085100294
Po Ping Road	41/42	LD	0.20141	50	29	Y	1100-1200	400	0.023820801	0.021594854	0.556078777	0.08322022
Po Ping Road	41/42	LD	0.20141	50	29	Y	1200-1300	350	0.024032718	0.02178745	0.568672143	0.086215356
Po Ping Road	41/42	LD	0.20141	50	30	Y	1300-1400	350	0.025939946	0.023575752	0.671204209	0.114049672
Po Ping Road	41/42	LD	0.20141	50	29	Y	1400-1500	350	0.026316095	0.023923751	0.678278957	0.117938054
Po Ping Road	41/42	LD	0.20141	50	29	Y	1500-1600	350	0.026149641	0.023776926	0.675536622	0.116180092
Po Ping Road	41/42	LD	0.20141	50	29	Y	1600-1700	350	0.025993915	0.023623806	0.664368053	0.112918256
Po Ping Road	41/42	LD	0.20141	50	29	Y	1700-1800	450	0.026213786	0.023830931	0.670166944	0.115080081
Po Ping Road	41/42	LD	0.20141	50	29	Y	1800-1900	400	0.02500435	0.022713207	0.626052574	0.102081925
Po Ping Road	41/42	LD	0.20141	50	29	Y	1900-2000	350	0.026225803	0.023831427	0.671168367	0.114589263
Po Ping Road	41/42	LD	0.20141	50	30	Y	2000-2100	300	0.02450383	0.022235811	0.606710677	0.094757167
Po Ping Road	41/42	LD	0.20141	50	30	Y	2100-2200	250	0.025434234	0.023097826	0.647176569	0.106242783
Po Ping Road	41/42	LD	0.20141	50	30	Y	2200-2300	250	0.025414913	0.023094053	0.646524576	0.107399532
Po Ping Road	41/42	LD	0.20141	50	30	Y	2300-0000	200	0.024744288	0.022488721	0.630693159	0.107005334
Po Shek Wu Road	43	PD	0.03781	50	50	N	0000-0100	550	0.03359055	0.030854166	0.651817344	0.076358963
Po Shek Wu Road	43	PD	0.03781	50	50	N	0100-0200	450	0.01580379	0.014478978	0.365760069	0.064727961
Po Shek Wu Road	43	PD	0.03781	50	50	N	0200-0300	350	0.015887026	0.014556275	0.366241391	0.065846278
Po Shek Wu Road	43	PD	0.03781	50	50	N	0300-0400	250	0.01594641	0.014609915	0.366631738	0.066011976
Po Shek Wu Road	43	PD	0.03781	50	50	N	0400-0500	200	0.016086665	0.014739016	0.370359703	0.067656548
Po Shek Wu Road	43	PD	0.03781	50	50	N	0500-0600	250	0.033372629	0.030652805	0.648407723	0.076934497
Po Shek Wu Road	43	PD	0.03781	50	50	N	0600-0700	450	0.033572348	0.030837348	0.650528195	0.07646135
Po Shek Wu Road	43	PD	0.03781	50	46	N	0700-0800	1200	0.035195468	0.03235216	0.696858843	0.082649068
Po Shek Wu Road	43	PD	0.03781	50	40	N	0800-0900	1900	0.03821809	0.035152354	0.779085909	0.093554305
Po Shek Wu Road	43	PD	0.03781	50	40	N	0900-1000	1850	0.038266933	0.035197206	0.779885318	0.093694962
Po Shek Wu Road	43	PD	0.03781	50	40	N	1000-1100	1850	0.03816474	0.035103333	0.778420268	0.093737738
Po Shek Wu Road	43	PD	0.03781	50	41	N	1100-1200	1800	0.037686314	0.034738769	0.764464423	0.091579978
Po Shek Wu Road	43	PD	0.03781	50	43	N	1200-1300	1550	0.036548476	0.033601107	0.73330968	0.087599121
Po Shek Wu Road	43	PD	0.03781	50	44	N	1300-1400	1450	0.036422223	0.033464957	0.72874719	0.089356653
Po Shek Wu Road	43	PD	0.03781	50	42	N	1400-1500	1600	0.037474508	0.034462653	0.756570156	0.09293881
Po Shek Wu Road	43	PD	0.03781	50	42	N	1500-1600	1700	0.037474782	0.034462863	0.756569266	0.092874502
Po Shek Wu Road	43	PD	0.03781	50	41	N	1600-1700	1750	0.038075405	0.035094932	0.773632341	0.095245838
Po Shek Wu Road	43	PD	0.03781	50	40	N	1700-1800	1850	0.038513871	0.035424574	0.78723994	0.097225814
Po Shek Wu Road	43	PD	0.03781	50	38	N	1800-1900	2100	0.039845137	0.036644361	0.821694225	0.101979189
Po Shek Wu Road	43	PD	0.03781	50	41	N	1900-2000	1700	0.03797627	0.035003811	0.772019311	0.095036076
Po Shek Wu Road	43	PD	0.03781	50	44	N	2000-2100	1350	0.036408302	0.033452098	0.728905056	0.089596622
Po Shek Wu Road	43	PD	0.03781	50	47	N	2100-2200	1050	0.035035773	0.032263919	0.69141057	0.084154867
Po Shek Wu Road	43	PD	0.03781	50	47	N	2200-2300	1050	0.035092695	0.032316738	0.691934041	0.084110658
Po Shek Wu Road	43	PD	0.03781	50	48	N	2300-0000	850	0.034588118	0.031788471	0.679616621	0.082686131
Po Shek Wu Road	44	PD	0.04411	50	50	N	0000-0100	450	0.025177012	0.023108329	0.50924477	0.060199926
Po Shek Wu Road	44	PD	0.04411	50	50	N	0100-0200	350	0.013050653	0.01194439	0.311348341	0.051723141
Po Shek Wu Road	44	PD	0.04411	50	50	N	0200-0300	300	0.012998092	0.011896126	0.311343063	0.052131384
Po Shek Wu Road	44	PD	0.04411	50	50	N	0300-0400	200	0.012999026	0.011897204	0.311019375	0.051160869
Po Shek Wu Road	44	PD	0.04411	50	50	N	0400-0500	200	0.012818393	0.011730991	0.309510438	0.051218532
Po Shek Wu Road	44	PD	0.04411	50	50	N	0500-0600	200	0.025162576	0.023095197	0.510797015	0.059037449
Po Shek Wu Road	44	PD	0.04411	50	50	N	0600-0700	350	0.025381222	0.023296123	0.513771646	0.061717554
Po Shek Wu Road	44	PD	0.04411	50	48	N	0700-0800	950	0.02568756	0.023592822	0.524969139	0.062225592
Po Shek Wu Road	44	PD	0.04411	50	44	N	0800-0900	1450	0.027054264	0.024845455	0.56190389	0.067244186
Po Shek Wu Road	44	PD	0.04411	50	44	N	0900-1000	1450	0.027200295	0.024979723	0.563882305	0.067298356
Po Shek Wu Road	44	PD	0.04411	50	44	N	1000-1100	1450	0.027103332	0.024890678	0.562879104	0.067094404
Po Shek Wu Road	44	PD	0.04411	50	44	N	1100-1200	1450	0.0271171359	0.024953249	0.563822325	0.067430435
Po Shek Wu Road	44	PD	0.04411	50	46	N	1200-1300	1200	0.02633434	0.024194958	0.542127579	0.064768822
Po Shek Wu Road	44	PD	0.04411	50	47	N	1300-1400	1150	0.01991935	0.018366236	0.428193813	0.051207282
Po Shek Wu Road	44	PD	0.04411	50	46	N	1400-1500	1300	0.020282031	0.018623892	0.435639041	0.052091391
Po Shek Wu Road	44	PD	0.04411	50	46	N	1500-1600	1350	0.020228456	0.018574646	0.435007389	0.052003988
Po Shek Wu Road	44	PD	0.04411	50	45	N	1600-1700	1400	0.020525638	0.018857231	0.441531654	0.05271049
Po Shek Wu Road	44	PD	0.04411	50	44	N	1700-1800	1500	0.020812053	0.019101948	0.450321215	0.053864374
Po Shek Wu Road	44	PD	0.04411	50	43	N	1800-1900	1750	0.021120451	0.019400996	0.457631064	0.055098113
Po Shek Wu Road	44	PD	0.04411	50	45	N	1900-2000	1350	0.020693911	0.019012082	0.444421778	0.05307969
Po Shek Wu Road	44	PD	0.04411	50	48	N	2000-2100	1100	0.019713869	0.01809305	0.421407821	0.04963571
Po Shek Wu Road	44	PD	0.04411	50	49	N	2100-2200	850	0.0192577	0.017768687	0.411900669	0.049211969
Po Shek Wu Road	44	PD	0.04411	50	49	N	2200-2300	850	0.019340114	0.017844342	0.413746716	0.048874699
Po Shek Wu Road	44	PD	0.04411	50	50	N	2300-0000	700	0.019041871	0.017460256	0.404401448	0.048202428
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0000-0100	250	0.015071941	0.013907162	0.301934162	0.046760793
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0100-0200	200	0.012510702	0.011551163	0.261340616	0.043033569
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0200-0300	150	0.012686716	0.01170043	0.263839718	0.044045219
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0300-0400	100	0.012587388	0.011607764	0.263042899	0.04250572
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0400-0500	100	0.011874786	0.010952278	0.249705638	0.040081517
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0500-0600	100	0.01455782	0.013420223	0.293835492	0.042112911
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0600-0700	200	0.015537991	0.014335441	0.310417207	0.046224286
Fanling Highway Slip Road	45	EX	0.23927	100	96	N	0700-0800	500	0.014949213	0.01376385	0.302277998	0.045141182
Fanling Highway Slip Road	45	EX	0.23927	100	90	N	0800-0900	850	0.014777254	0.01359717	0.300764764	0.045087124
Fanling Highway Slip Road	45	EX	0.23927	100	91	N	0900-1000	800	0.014778863	0.013599424	0.300137651	0.04

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fanling Highway Slip Road	45	EX	0.23927	100	92	N	1600-1700	750	0.015591389	0.01426669	0.311784795	0.043329753
Fanling Highway Slip Road	45	EX	0.23927	100	91	N	1700-1800	800	0.015070444	0.01386754	0.305761069	0.042535493
Fanling Highway Slip Road	45	EX	0.23927	100	90	N	1800-1900	850	0.015200318	0.013986471	0.30783046	0.042713873
Fanling Highway Slip Road	45	EX	0.23927	100	93	N	1900-2000	750	0.015283876	0.01407381	0.307037697	0.043254129
Fanling Highway Slip Road	45	EX	0.23927	100	95	N	2000-2100	600	0.015298167	0.014099012	0.306822447	0.042411059
Fanling Highway Slip Road	45	EX	0.23927	100	96	N	2100-2200	450	0.015269214	0.014058151	0.307282913	0.043420246
Fanling Highway Slip Road	45	EX	0.23927	100	96	N	2200-2300	450	0.015345159	0.014128206	0.308041847	0.043604773
Fanling Highway Slip Road	45	EX	0.23927	100	97	N	2300-0000	350	0.015212807	0.013915402	0.306191086	0.042587604
Fanling Highway Slip Road	46	EX	0.21539	100	97	N	0000-0100	350	0.012328396	0.011261948	0.258237253	0.043010427
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0100-0200	300	0.012247655	0.011308683	0.257436347	0.041798784
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0200-0300	200	0.012622938	0.011654129	0.26228802	0.043974424
Fanling Highway Slip Road	46	EX	0.21539	100	99	N	0300-0400	150	0.01247137	0.011500807	0.258440707	0.042635224
Fanling Highway Slip Road	46	EX	0.21539	100	99	N	0400-0500	150	0.01220203	0.011253821	0.255509367	0.040075031
Fanling Highway Slip Road	46	EX	0.21539	100	99	N	0500-0600	150	0.012257633	0.011304644	0.257005622	0.040303413
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0600-0700	250	0.012321105	0.011376034	0.258910072	0.042510886
Fanling Highway Slip Road	46	EX	0.21539	100	93	N	0700-0800	700	0.012266935	0.011298239	0.258700503	0.04263862
Fanling Highway Slip Road	46	EX	0.21539	100	83	N	0800-0900	1150	0.011960773	0.011011325	0.258490355	0.042657707
Fanling Highway Slip Road	46	EX	0.21539	100	85	N	0900-1000	1100	0.012097745	0.011032552	0.258443861	0.042700837
Fanling Highway Slip Road	46	EX	0.21539	100	85	N	1000-1100	1100	0.012161652	0.011091486	0.258988222	0.042786808
Fanling Highway Slip Road	46	EX	0.21539	100	85	N	1100-1200	1050	0.012171227	0.011100305	0.258977133	0.042926982
Fanling Highway Slip Road	46	EX	0.21539	100	89	N	1200-1300	900	0.012126198	0.011169475	0.257765281	0.042269114
Fanling Highway Slip Road	46	EX	0.21539	100	91	N	1300-1400	850	0.009830356	0.009046155	0.223248876	0.03351306
Fanling Highway Slip Road	46	EX	0.21539	100	89	N	1400-1500	950	0.009780064	0.009011683	0.222181832	0.033554034
Fanling Highway Slip Road	46	EX	0.21539	100	88	N	1500-1600	1000	0.009854206	0.009081399	0.223210654	0.034089269
Fanling Highway Slip Road	46	EX	0.21539	100	87	N	1600-1700	1050	0.009745366	0.008980751	0.222193999	0.03355096
Fanling Highway Slip Road	46	EX	0.21539	100	85	N	1700-1800	1100	0.009884639	0.008989924	0.224273819	0.034294123
Fanling Highway Slip Road	46	EX	0.21539	100	83	N	1800-1900	1200	0.009679174	0.008911421	0.223263923	0.033499665
Fanling Highway Slip Road	46	EX	0.21539	100	87	N	1900-2000	1000	0.009743339	0.008979045	0.222080942	0.033700452
Fanling Highway Slip Road	46	EX	0.21539	100	92	N	2000-2100	800	0.009909407	0.009034181	0.222222484	0.033658368
Fanling Highway Slip Road	46	EX	0.21539	100	95	N	2100-2200	650	0.010021997	0.009245939	0.224707215	0.034429163
Fanling Highway Slip Road	46	EX	0.21539	100	95	N	2200-2300	600	0.010067107	0.009287379	0.224233263	0.034032411
Fanling Highway Slip Road	46	EX	0.21539	100	96	N	2300-0000	500	0.009941127	0.009156749	0.223852573	0.034011506
Fanling Highway Slip Road	47	EX	0.2288	100	98	N	0000-0100	150	0.031674899	0.029179837	0.566962831	0.051754781
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0100-0200	150	0.012002439	0.011068843	0.253500391	0.041019362
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0200-0300	100	0.011315555	0.010437658	0.238865161	0.037121257
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0300-0400	100	0.010360136	0.009558506	0.233299165	0.036353777
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0400-0500	50	0.011347501	0.010463504	0.238514646	0.035074703
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0500-0600	50	0.029825699	0.027463584	0.536753142	0.047110158
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0600-0700	150	0.030083548	0.027701687	0.544533146	0.047854986
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	0700-0800	350	0.030440677	0.027930664	0.549313461	0.050709126
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	0800-0900	550	0.030653594	0.028226075	0.555021402	0.051123451
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	0900-1000	550	0.030908642	0.028460524	0.559010273	0.051529199
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1000-1100	550	0.030768935	0.028332067	0.55721785	0.051338074
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1100-1200	550	0.03093333	0.028483699	0.558998026	0.051749325
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1200-1300	450	0.030777771	0.028327255	0.556500662	0.051214396
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1300-1400	450	0.019749226	0.018181693	0.381521405	0.032066067
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1400-1500	500	0.019536583	0.017986109	0.378242286	0.031052727
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1500-1600	500	0.019528778	0.017979414	0.379333019	0.032777043
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1600-1700	500	0.019492535	0.017945795	0.379199459	0.032280656
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1700-1800	550	0.019743143	0.018190544	0.382068453	0.032628613
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1800-1900	650	0.019451224	0.017921864	0.377741329	0.032066791
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	1900-2000	500	0.019316312	0.017783718	0.376303525	0.032470318
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	2000-2100	400	0.019273504	0.017645781	0.373660499	0.031964887
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	2100-2200	300	0.019217579	0.017593751	0.371810381	0.031728668
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	2200-2300	300	0.019409896	0.017707714	0.375995143	0.032087213
Fanling Highway Slip Road	47	EX	0.2288	100	98	N	2300-0000	250	0.019611241	0.018081559	0.378075799	0.031610831
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0000-0100	400	0.032560393	0.02999608	0.581900311	0.060714321
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0100-0200	300	0.014123088	0.013034576	0.285798315	0.050471088
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0200-0300	250	0.014304944	0.013189121	0.28696678	0.049607852
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0300-0400	200	0.014347511	0.013227424	0.287770389	0.048706169
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0400-0500	150	0.014371152	0.013249343	0.288920958	0.049099396
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0500-0600	150	0.033078119	0.030459507	0.588367379	0.060889643
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0600-0700	300	0.03256102	0.029996434	0.584902204	0.060134185
Fanling Highway Slip Road	48	EX	0.17473	100	95	N	0700-0800	850	0.032457362	0.029884874	0.582441807	0.060741664
Fanling Highway Slip Road	48	EX	0.17473	100	88	N	0800-0900	1300	0.032371343	0.02979797	0.582750431	0.06057059
Fanling Highway Slip Road	48	EX	0.17473	100	89	N	0900-1000	1300	0.032396127	0.029818151	0.582891232	0.060594666
Fanling Highway Slip Road	48	EX	0.17473	100	89	N	1000-1100	1300	0.032283763	0.029714847	0.581265875	0.060419216
Fanling Highway Slip Road	48	EX	0.17473	100	89	N	1100-1200	1250	0.032444278	0.02986244	0.583647785	0.060540367
Fanling Highway Slip Road	48	EX	0.17473	100	92	N	1200-1300	1050	0.032481615	0.029816171	0.582998672	0.060393176
Fanling Highway Slip Road	48	EX	0.17473	100	93	N	1300-1400	1000	0.033149863	0.030511279	0.593251706	0.065375351
Fanling Highway Slip Road	48	EX	0.17473	100	91	N	1400-1500	1100	0.033029533	0.030391979	0.592373375	0.065221739
Fanling Highway Slip Road	48	EX	0.17473	100	90	N	1500-1600	1150	0.033186508	0.030535387	0.594825307	0.065359451
Fanling Highway Slip Road	48	EX	0.17473	100	90	N	1600-1700	1200	0.033032751	0.030394119	0.592328941	0.065242935
Fanling Highway Slip Road	48	EX	0.17473	100	88	N	1700-1800	1300	0.033075093	0.030445312	0.593239749	0.065260718
Fanling Highway Slip Road	48	EX	0.17473	100	85	N	1800-1900	1450	0.033033395	0.030310578	0.593740126	0.065349843
Fanling Highway Slip Road	48	EX	0.17473	100	90	N	1900-2000	1200	0.033048137	0.03040812	0.592713896	0.065015245
Fanling Highway Slip Road	48	EX	0.17473	100	94	N	2000-2100	950	0.033221366	0.030577745	0.594371954	0.065318026
Fanling Highway Slip Road	48	EX	0.17473	100	95	N	2100-2200	750	0.033291485	0.030651534	0.595229622	0.065569583
Fanling Highway Slip Road	48	EX	0.17473	100	96	N	2200-2300	700	0.033287301	0.030634603	0.595051741	0.065189376
Fanling Highway Slip Road	48	EX	0.17473	100	96	N	2300-0000	600	0.033074723	0.030493942	0.591622229	0.064891035
Fanling Highway EB	49	EX	0.49094	100	97	N	0000-0100	1150	0.016959814	0.015524988	0.332707764	0.045817493
Fanling Highway EB	49	EX	0.49094	100	97	N	0100-0200	950	0.012489926	0.011410764	0.260292868	0.042862512
Fanling Highway EB	49	EX	0.49094	100	98	N	0200-0300	750	0.012533104	0.011571376	0.26153768	

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fanling Highway EB	49	EX	0.49094	100	82	N	0900-1000	3750	0.016639925	0.015310108	0.33385719	0.04602233
Fanling Highway EB	49	EX	0.49094	100	82	N	1000-1100	3750	0.016625103	0.015296428	0.333969844	0.046081023
Fanling Highway EB	49	EX	0.49094	100	83	N	1100-1200	3650	0.016627324	0.015304781	0.333551398	0.045986844
Fanling Highway EB	49	EX	0.49094	100	87	N	1200-1300	3100	0.016742424	0.015418063	0.332604605	0.045806871
Fanling Highway EB	49	EX	0.49094	100	88	N	1300-1400	2950	0.017071181	0.01572115	0.337808419	0.045521534
Fanling Highway EB	49	EX	0.49094	100	86	N	1400-1500	3250	0.017045399	0.015690364	0.337871199	0.04551801
Fanling Highway EB	49	EX	0.49094	100	85	N	1500-1600	3400	0.017093197	0.015630496	0.338911769	0.045595693
Fanling Highway EB	49	EX	0.49094	100	84	N	1600-1700	3550	0.017024446	0.015658869	0.339426309	0.045777243
Fanling Highway EB	49	EX	0.49094	100	82	N	1700-1800	3800	0.016951043	0.015596346	0.339118811	0.045781475
Fanling Highway EB	49	EX	0.49094	100	81	N	1800-1900	3900	0.016977083	0.015620953	0.339789135	0.045761858
Fanling Highway EB	49	EX	0.49094	100	84	N	1900-2000	3500	0.017005841	0.015641778	0.339198007	0.045698466
Fanling Highway EB	49	EX	0.49094	100	89	N	2000-2100	2750	0.017170075	0.01580989	0.339266468	0.045668918
Fanling Highway EB	49	EX	0.49094	100	94	N	2100-2200	2150	0.017204467	0.015841304	0.338126828	0.045561671
Fanling Highway EB	49	EX	0.49094	100	94	N	2200-2300	2100	0.017300207	0.015929416	0.339519602	0.045464789
Fanling Highway EB	49	EX	0.49094	100	95	N	2300-0000	1750	0.01736722	0.016002303	0.340494736	0.045736768
Fanling Highway WB	50	EX	0.53938	100	97	N	0000-0100	1250	0.015960782	0.014605328	0.316325189	0.044976643
Fanling Highway WB	50	EX	0.53938	100	97	N	0100-0200	1050	0.01241633	0.011342882	0.259388401	0.042595988
Fanling Highway WB	50	EX	0.53938	100	98	N	0200-0300	800	0.012402055	0.011450666	0.259351579	0.042838162
Fanling Highway WB	50	EX	0.53938	100	98	N	0300-0400	650	0.01228599	0.011343864	0.257480218	0.042013148
Fanling Highway WB	50	EX	0.53938	100	99	N	0400-0500	550	0.012372122	0.011409599	0.258954393	0.042621899
Fanling Highway WB	50	EX	0.53938	100	99	N	0500-0600	550	0.015940745	0.014692796	0.316551994	0.045131622
Fanling Highway WB	50	EX	0.53938	100	97	N	0600-0700	1000	0.016051779	0.014689014	0.318060062	0.045024569
Fanling Highway WB	50	EX	0.53938	100	90	N	0700-0800	2600	0.015682027	0.014429684	0.315150239	0.044764434
Fanling Highway WB	50	EX	0.53938	100	75	N	0800-0900	4750	0.015539713	0.01430084	0.319107359	0.045064481
Fanling Highway WB	50	EX	0.53938	100	80	N	0900-1000	4050	0.015511533	0.014278905	0.316654075	0.044833363
Fanling Highway WB	50	EX	0.53938	100	80	N	1000-1100	4050	0.015492334	0.01426125	0.316213951	0.044875286
Fanling Highway WB	50	EX	0.53938	100	81	N	1100-1200	3950	0.015568182	0.014324594	0.317087165	0.044915182
Fanling Highway WB	50	EX	0.53938	100	85	N	1200-1300	3350	0.015680289	0.014329953	0.315749961	0.044906057
Fanling Highway WB	50	EX	0.53938	100	86	N	1300-1400	3150	0.018570526	0.017092022	0.360930717	0.052653036
Fanling Highway WB	50	EX	0.53938	100	83	N	1400-1500	3500	0.018442696	0.016975473	0.361732911	0.052855138
Fanling Highway WB	50	EX	0.53938	100	82	N	1500-1600	3700	0.018417027	0.01694422	0.361648839	0.052722673
Fanling Highway WB	50	EX	0.53938	100	81	N	1600-1700	3850	0.018472549	0.016996105	0.362882433	0.052831765
Fanling Highway WB	50	EX	0.53938	100	79	N	1700-1800	4150	0.018439252	0.016968199	0.36325123	0.052888145
Fanling Highway WB	50	EX	0.53938	100	80	N	1800-1900	3950	0.018431946	0.016966364	0.362715319	0.052830483
Fanling Highway WB	50	EX	0.53938	100	81	N	1900-2000	3750	0.018412891	0.016941226	0.361975262	0.052816787
Fanling Highway WB	50	EX	0.53938	100	87	N	2000-2100	2950	0.018599173	0.017126172	0.361160467	0.052555446
Fanling Highway WB	50	EX	0.53938	100	92	N	2100-2200	2350	0.018653407	0.017089206	0.360356423	0.052591495
Fanling Highway WB	50	EX	0.53938	100	92	N	2200-2300	2300	0.018748906	0.017177174	0.361802644	0.052716766
Fanling Highway WB	50	EX	0.53938	100	95	N	2300-0000	1900	0.018804927	0.017324225	0.362560387	0.052673443
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0000-0100	600	0.021581078	0.019798311	0.448002005	0.053053329
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0100-0200	500	0.011360263	0.010389168	0.281536145	0.044656287
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0200-0300	300	0.011625	0.01063226	0.285151359	0.045145897
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0300-0400	300	0.011325372	0.010356547	0.280096635	0.04446471
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0400-0500	250	0.011585893	0.010595679	0.285098718	0.044959036
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0500-0600	250	0.021198086	0.019445124	0.440390918	0.052505283
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0600-0700	500	0.021142226	0.019394108	0.4407012	0.051009429
Tai Tau Leng Roundabout	51	LD	0.02892	50	47	N	0700-0800	1250	0.022191518	0.020455744	0.466697432	0.055038068
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	0800-0900	2000	0.024149076	0.022302241	0.518621323	0.062026033
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	0900-1000	1950	0.023842721	0.021923144	0.508758523	0.060937424
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	1000-1100	1950	0.023924604	0.021998461	0.510248534	0.060875255
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	1100-1200	1900	0.023816634	0.021899132	0.508238109	0.060847736
Tai Tau Leng Roundabout	51	LD	0.02892	50	44	N	1200-1300	1600	0.023008115	0.021122366	0.488876124	0.058195279
Tai Tau Leng Roundabout	51	LD	0.02892	50	45	N	1300-1400	1550	0.019868243	0.017423386	0.41215324	0.046227199
Tai Tau Leng Roundabout	51	LD	0.02892	50	44	N	1400-1500	1700	0.019284142	0.017695671	0.420960439	0.047659129
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1500-1600	1800	0.019403217	0.017820363	0.424950647	0.048158959
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1600-1700	1850	0.019486211	0.017896678	0.426293725	0.048425885
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	1700-1800	2000	0.019838834	0.01823979	0.434773036	0.049343903
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1800-1900	2200	0.02041918	0.018774253	0.450854793	0.051543748
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1900-2000	1800	0.019468926	0.017880858	0.426050215	0.048504759
Tai Tau Leng Roundabout	51	LD	0.02892	50	46	N	2000-2100	1450	0.01869789	0.017165505	0.406031231	0.045661467
Tai Tau Leng Roundabout	51	LD	0.02892	50	48	N	2100-2200	1150	0.018320193	0.016809502	0.395039315	0.044647805
Tai Tau Leng Roundabout	51	LD	0.02892	50	48	N	2200-2300	1100	0.01830566	0.01679608	0.395033923	0.044998803
Tai Tau Leng Roundabout	51	LD	0.02892	50	49	N	2300-0000	900	0.017811833	0.016438854	0.384848981	0.043232967
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0000-0100	250	0.030128658	0.027666876	0.597603115	0.075949256
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0100-0200	200	0.016653122	0.015259558	0.378019552	0.070238483
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0200-0300	150	0.016220675	0.014862211	0.372646371	0.065149094
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0300-0400	100	0.015254795	0.013975173	0.357947878	0.061304129
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0400-0500	100	0.015300162	0.014017386	0.362548752	0.064564532
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0500-0600	100	0.028523514	0.026190979	0.579594058	0.073300904
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0600-0700	200	0.029705207	0.027276739	0.590438074	0.076345107
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0700-0800	500	0.030029635	0.027576206	0.59483934	0.074709724
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	0800-0900	750	0.03148754	0.028938564	0.633782407	0.080759983
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	0900-1000	750	0.031544172	0.028990626	0.635048559	0.080726755
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	1000-1100	750	0.031435139	0.028890332	0.632697645	0.080406705
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1100-1200	750	0.031129718	0.028672137	0.62401208	0.078991609
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1200-1300	650	0.030604798	0.028121275	0.610763992	0.077543907
Tai Tau Leng Roundabout	52	LD	0.02794	50	49	N	1300-1400	600	0.022517877	0.020768214	0.468452245	0.056833727
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1400-1500	650	0.022635391	0.020783937	0.472168349	0.059292909
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1500-1600	700	0.022493737	0.020653532	0.470796464	0.060220944
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1600-1700	700	0.02287557	0.021083597	0.480110542	0.061433376
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1700-1800	800	0.022920277	0.021124732	0.480942332	0.061853753
Tai Tau Leng Roundabout	52	LD	0.02794	50	45	N	1800-1900	900	0.023636371	0.021720543	0.497639549	0.06379166
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1900-2000	700	0.022752133	0.020891281	0.474776243	0.060235461
Tai Tau Leng Roundabout												

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0200-0300	400	0.012008651	0.010985125	0.294054894	0.047288481
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0300-0400	300	0.011726823	0.010725763	0.287796252	0.046250599
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0400-0500	250	0.011720048	0.0107191	0.286846626	0.046256168
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0500-0600	250	0.02066961	0.018958008	0.433499707	0.053187709
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0600-0700	500	0.021002776	0.019265473	0.438448328	0.053341449
Tai Tau Leng Roundabout	53	LD	0.02937	50	46	N	0700-0800	1350	0.021901788	0.020115078	0.465771738	0.056760871
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	0800-0900	2200	0.024044613	0.022110504	0.520944556	0.064720735
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	0900-1000	2050	0.023645351	0.021838541	0.510740849	0.063256634
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1000-1100	2100	0.023584631	0.021782712	0.509882666	0.063069371
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1100-1200	2000	0.023615723	0.02181131	0.510536542	0.06323428
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	1200-1300	1750	0.022933828	0.021069934	0.491879401	0.060549492
Tai Tau Leng Roundabout	53	LD	0.02937	50	44	N	1300-1400	1650	0.018491234	0.016966107	0.406603771	0.045568543
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	1400-1500	1800	0.018810673	0.017275036	0.413338152	0.046201498
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	1500-1600	1900	0.018859323	0.017319808	0.414227604	0.046392737
Tai Tau Leng Roundabout	53	LD	0.02937	50	42	N	1600-1700	1950	0.019158243	0.017613578	0.421671029	0.047111695
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1700-1800	2100	0.019463986	0.01799929	0.431103137	0.04837128
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	1800-1900	2250	0.019765174	0.018172423	0.438119442	0.049346881
Tai Tau Leng Roundabout	53	LD	0.02937	50	42	N	1900-2000	1950	0.019198718	0.017650818	0.422095139	0.0447391528
Tai Tau Leng Roundabout	53	LD	0.02937	50	45	N	2000-2100	1500	0.018312838	0.016820043	0.399914549	0.044496688
Tai Tau Leng Roundabout	53	LD	0.02937	50	47	N	2100-2200	1200	0.017862592	0.016476609	0.38938342	0.042325413
Tai Tau Leng Roundabout	53	LD	0.02937	50	48	N	2200-2300	1200	0.017583467	0.016130889	0.381717423	0.042639119
Tai Tau Leng Roundabout	53	LD	0.02937	50	49	N	2300-0000	1000	0.017206173	0.015881731	0.374527179	0.041276664
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0000-0100	450	0.017820153	0.016335308	0.387763133	0.050982055
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0100-0200	350	0.011767523	0.010763486	0.288481542	0.046411228
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0200-0300	300	0.01184482	0.010835021	0.289802894	0.046971618
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0300-0400	250	0.011792114	0.010785276	0.290186803	0.046622712
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0400-0500	200	0.011778386	0.010774349	0.289209368	0.046358651
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0500-0600	200	0.017713164	0.016237187	0.385911856	0.0514747684
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0600-0700	350	0.017677662	0.016204726	0.385752933	0.051079066
Tai Tau Leng Roundabout	54	LD	0.0411	50	45	N	0700-0800	950	0.018754989	0.017228156	0.415608501	0.05552125
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	0800-0900	1600	0.021164032	0.019459206	0.476924974	0.062672284
Tai Tau Leng Roundabout	54	LD	0.0411	50	40	N	0900-1000	1450	0.0203662	0.018726134	0.45787525	0.062524897
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1000-1100	1450	0.020654031	0.018995522	0.465546816	0.064667097
Tai Tau Leng Roundabout	54	LD	0.0411	50	40	N	1100-1200	1400	0.020263588	0.018631762	0.45617699	0.061828454
Tai Tau Leng Roundabout	54	LD	0.0411	50	42	N	1200-1300	1200	0.019711776	0.018124175	0.43960691	0.059389268
Tai Tau Leng Roundabout	54	LD	0.0411	50	43	N	1300-1400	1150	0.018734116	0.017204531	0.416227085	0.051369762
Tai Tau Leng Roundabout	54	LD	0.0411	50	42	N	1400-1500	1250	0.01895009	0.017423209	0.422104216	0.051467063
Tai Tau Leng Roundabout	54	LD	0.0411	50	41	N	1500-1600	1350	0.019005982	0.017576467	0.426447932	0.052661518
Tai Tau Leng Roundabout	54	LD	0.0411	50	41	N	1600-1700	1350	0.019230084	0.01778235	0.430894936	0.053304837
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1700-1800	1500	0.019854139	0.018260502	0.446248914	0.055676157
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1800-1900	1500	0.019827971	0.01823633	0.445711812	0.05521125
Tai Tau Leng Roundabout	54	LD	0.0411	50	41	N	1900-2000	1300	0.019152497	0.017711233	0.42932103	0.053048951
Tai Tau Leng Roundabout	54	LD	0.0411	50	44	N	2000-2100	1050	0.018290854	0.016782448	0.40678553	0.049872589
Tai Tau Leng Roundabout	54	LD	0.0411	50	47	N	2100-2200	850	0.017340086	0.015994691	0.384194927	0.046679473
Tai Tau Leng Roundabout	54	LD	0.0411	50	47	N	2200-2300	800	0.017340006	0.015994465	0.384518663	0.04615212
Tai Tau Leng Roundabout	54	LD	0.0411	50	48	N	2300-0000	700	0.017456361	0.016014791	0.382277454	0.046365056
Tai Tau Leng Roundabout	55	LD	0.03223	50	49	N	0000-0100	850	0.024294496	0.022401843	0.498214165	0.060429226
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0100-0200	700	0.012985765	0.011885263	0.310986947	0.051206429
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0200-0300	550	0.013059682	0.011953354	0.312305949	0.052512814
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0300-0400	450	0.013014346	0.011911012	0.31147379	0.051158213
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0400-0500	350	0.012760666	0.011677593	0.309534482	0.05158609
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0500-0600	350	0.024441622	0.022431536	0.497861397	0.060259923
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0600-0700	700	0.024189358	0.022199693	0.492981721	0.059640374
Tai Tau Leng Roundabout	55	LD	0.03223	50	42	N	0700-0800	1850	0.02692558	0.024758792	0.565313044	0.076252969
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	0800-0900	3000	0.031374612	0.028818555	0.684409827	0.086112586
Tai Tau Leng Roundabout	55	LD	0.03223	50	35	N	0900-1000	2800	0.030116218	0.027739345	0.652478543	0.081594513
Tai Tau Leng Roundabout	55	LD	0.03223	50	35	N	1000-1100	2800	0.030122251	0.027745123	0.652614143	0.08143551
Tai Tau Leng Roundabout	55	LD	0.03223	50	35	N	1100-1200	2750	0.030131265	0.027753202	0.652357037	0.081429572
Tai Tau Leng Roundabout	55	LD	0.03223	50	38	N	1200-1300	2350	0.028555508	0.026259763	0.610295206	0.075783928
Tai Tau Leng Roundabout	55	LD	0.03223	50	39	N	1300-1400	2200	0.028945838	0.026623796	0.613553693	0.077058855
Tai Tau Leng Roundabout	55	LD	0.03223	50	38	N	1400-1500	2450	0.029586196	0.027207892	0.628615496	0.077288408
Tai Tau Leng Roundabout	55	LD	0.03223	50	37	N	1500-1600	2550	0.03004671	0.027646035	0.641601292	0.079134921
Tai Tau Leng Roundabout	55	LD	0.03223	50	36	N	1600-1700	2650	0.030546234	0.028109559	0.655260761	0.08082132
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1700-1800	2850	0.031632445	0.029124588	0.68550204	0.085205028
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	1800-1900	3050	0.032322306	0.029690691	0.702428284	0.087618352
Tai Tau Leng Roundabout	55	LD	0.03223	50	36	N	1900-2000	2600	0.030563857	0.028125797	0.65656241	0.080840632
Tai Tau Leng Roundabout	55	LD	0.03223	50	40	N	2000-2100	2050	0.02851389	0.026222973	0.602032496	0.073544333
Tai Tau Leng Roundabout	55	LD	0.03223	50	44	N	2100-2200	1600	0.02694095	0.02474096	0.558886821	0.067718009
Tai Tau Leng Roundabout	55	LD	0.03223	50	44	N	2200-2300	1600	0.026953181	0.024752145	0.559609545	0.067749681
Tai Tau Leng Roundabout	55	LD	0.03223	50	46	N	2300-0000	1300	0.026112926	0.023991328	0.538011472	0.065142994
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0000-0100	300	0.008443745	0.007703962	0.227207797	0.031043361
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0100-0200	250	0.008785071	0.008017366	0.232511745	0.033173311
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0200-0300	200	0.008647311	0.007890807	0.231480702	0.032364761
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0300-0400	150	0.008843394	0.008071777	0.235295266	0.032699826
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0400-0500	100	0.008344626	0.007611827	0.22264653	0.027901342
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0500-0600	100	0.008391989	0.007655279	0.224390029	0.02815602
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0600-0700	250	0.008981105	0.008198304	0.23435623	0.034661025
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0700-0800	600	0.008719329	0.007957257	0.231150336	0.032388225
Tai Tau Leng Roundabout	56	LD	0.02826	50	45	N	0800-0900	1050	0.009465131	0.008677808	0.248823476	0.035078453
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	0900-1000	900	0.009203356	0.008425576	0.245097909	0.034735051
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	1000-1100	900	0.009313805	0.008527141	0.246015509	0.035028209
Tai Tau Leng Roundabout	56	LD	0.02826	50	47	N	1100-1200	900	0.009040731	0.008363037	0.24041858	0.033707372
Tai Tau Leng Roundabout	56	LD	0.02826	50	48	N	1200-1300	750	0.009008142	0.008236864	0.238258197	0.033298792
Tai Tau Leng Roundabout	56	LD	0.02826	50								

Traffic Data and Composite Emission Factors

Base (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Tai Tau Leng Roundabout	56	LD	0.02826	50	47	N	1900-2000	850	0.006444264	0.005978053	0.1896787	0.021117249
Tai Tau Leng Roundabout	56	LD	0.02826	50	49	N	2000-2100	650	0.006184773	0.005745358	0.184338221	0.019995938
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	2100-2200	550	0.006045147	0.005495781	0.180226476	0.019417765
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	2200-2300	500	0.006093218	0.005539716	0.181281272	0.019697968
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	2300-0000	450	0.005880253	0.005343746	0.176618729	0.018390392
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0000-0100	750	0.017777554	0.016296346	0.383974817	0.046643118
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0100-0200	650	0.010912495	0.009976565	0.272413916	0.042761284
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0200-0300	450	0.010946903	0.010008575	0.273001295	0.042369602
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0300-0400	400	0.011002216	0.010059108	0.272397018	0.041647183
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0400-0500	300	0.010783409	0.009857683	0.269208312	0.041399409
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0500-0600	300	0.017591675	0.016125933	0.380666215	0.046946415
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0600-0700	600	0.017692484	0.016218357	0.382239156	0.046506694
Tai Tau Leng Roundabout	57	LD	0.02888	50	45	N	0700-0800	1600	0.018967712	0.017423338	0.415621682	0.051564959
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	0800-0900	2550	0.021272792	0.01956045	0.474320879	0.059921864
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	0900-1000	2450	0.021350121	0.019631663	0.475720976	0.060230697
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1000-1100	2450	0.021322923	0.01960667	0.475235324	0.060198253
Tai Tau Leng Roundabout	57	LD	0.02888	50	39	N	1100-1200	2400	0.020890862	0.019213749	0.465335718	0.058641534
Tai Tau Leng Roundabout	57	LD	0.02888	50	41	N	1200-1300	2050	0.020121097	0.018600846	0.446734985	0.055804389
Tai Tau Leng Roundabout	57	LD	0.02888	50	43	N	1300-1400	1900	0.015849544	0.014549451	0.362299786	0.042719892
Tai Tau Leng Roundabout	57	LD	0.02888	50	41	N	1400-1500	2100	0.016274362	0.015068003	0.374514546	0.044106615
Tai Tau Leng Roundabout	57	LD	0.02888	50	40	N	1500-1600	2250	0.016582149	0.01524361	0.381911268	0.045277735
Tai Tau Leng Roundabout	57	LD	0.02888	50	40	N	1600-1700	2300	0.016626921	0.015284809	0.382544255	0.045378013
Tai Tau Leng Roundabout	57	LD	0.02888	50	39	N	1700-1800	2500	0.016894829	0.015537717	0.389061036	0.0461977
Tai Tau Leng Roundabout	57	LD	0.02888	50	37	N	1800-1900	2750	0.017628497	0.016222252	0.405868912	0.048678118
Tai Tau Leng Roundabout	57	LD	0.02888	50	40	N	1900-2000	2300	0.01662631	0.015284214	0.382224591	0.045553319
Tai Tau Leng Roundabout	57	LD	0.02888	50	43	N	2000-2100	1800	0.015914368	0.014609078	0.36324085	0.042751242
Tai Tau Leng Roundabout	57	LD	0.02888	50	46	N	2100-2200	1400	0.015116375	0.013868538	0.344449473	0.04037266
Tai Tau Leng Roundabout	57	LD	0.02888	50	46	N	2200-2300	1400	0.01505485	0.013811744	0.343182405	0.040312281
Tai Tau Leng Roundabout	57	LD	0.02888	50	48	N	2300-0000	1150	0.014743104	0.013516301	0.333777237	0.038564662
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0000-0100	350	0.024335663	0.022333655	0.487156717	0.047936323
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0100-0200	300	0.009411894	0.008595442	0.243903245	0.036067298
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0200-0300	200	0.009848654	0.008996764	0.250302753	0.037506567
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0300-0400	200	0.009419008	0.008602507	0.242443425	0.034271624
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0400-0500	150	0.009700562	0.008859986	0.247649669	0.035571652
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0500-0600	150	0.023711463	0.021758299	0.427515089	0.04703126
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0600-0700	300	0.024070829	0.022090403	0.482159108	0.04760829
Tai Tau Leng Roundabout	58	LD	0.05305	50	47	N	0700-0800	750	0.025005746	0.023046385	0.508722216	0.049298294
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	0800-0900	1200	0.027107581	0.024925343	0.55879483	0.054912958
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	0900-1000	1200	0.027105489	0.024923428	0.558803762	0.055301759
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1000-1100	1200	0.027040986	0.024864011	0.557427918	0.055174685
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1100-1200	1150	0.026597709	0.024441976	0.547312789	0.053819746
Tai Tau Leng Roundabout	58	LD	0.05305	50	45	N	1200-1300	1000	0.025867807	0.023772296	0.527576695	0.051127523
Tai Tau Leng Roundabout	58	LD	0.05305	50	46	N	1300-1400	950	0.01971683	0.018102915	0.418772713	0.03931563
Tai Tau Leng Roundabout	58	LD	0.05305	50	45	N	1400-1500	1050	0.020160864	0.01852017	0.427689959	0.040525084
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1500-1600	1100	0.020293023	0.018624166	0.433014458	0.041312874
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1600-1700	1100	0.020433567	0.018753589	0.435434718	0.041596553
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1700-1800	1200	0.020631356	0.018950364	0.441092448	0.042415355
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1800-1900	1350	0.021281289	0.019672026	0.458035879	0.043949575
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1900-2000	1100	0.020354661	0.01868104	0.4340399	0.041472811
Tai Tau Leng Roundabout	58	LD	0.05305	50	46	N	2000-2100	850	0.019929038	0.01829837	0.422171117	0.040169065
Tai Tau Leng Roundabout	58	LD	0.05305	50	48	N	2100-2200	700	0.019192779	0.017611293	0.404875802	0.038772155
Tai Tau Leng Roundabout	58	LD	0.05305	50	49	N	2200-2300	650	0.019090409	0.017614785	0.401811933	0.037508594
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	2300-0000	550	0.018585622	0.017040169	0.390447985	0.036372735
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0000-0100	250	0.036190493	0.033247631	0.689209422	0.073546409
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0100-0200	200	0.014684492	0.013449046	0.345224035	0.060681925
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0200-0300	150	0.015193736	0.013918154	0.349544657	0.060967873
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0300-0400	150	0.014202107	0.013005946	0.336107117	0.056339818
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0400-0500	100	0.014237512	0.013038664	0.34198251	0.059356968
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0500-0600	100	0.035218079	0.032353222	0.674956685	0.072738583
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0600-0700	200	0.036491199	0.033525774	0.692202174	0.072796809
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0700-0800	550	0.035661792	0.032761432	0.680554305	0.073845103
Po Shek Wu Road Flyover	60	LD	0.31852	50	45	N	0800-0900	950	0.03806731	0.035000351	0.74319271	0.08057958
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	0900-1000	850	0.037734852	0.034689313	0.733110346	0.079716747
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1000-1100	850	0.037585489	0.034551586	0.731023381	0.079464981
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1100-1200	850	0.037162956	0.034223424	0.718718305	0.077726101
Po Shek Wu Road Flyover	60	LD	0.31852	50	48	N	1200-1300	700	0.036536856	0.033580829	0.70438177	0.075882098
Po Shek Wu Road Flyover	60	LD	0.31852	50	49	N	1300-1400	650	0.035417429	0.03263373	0.677342216	0.067184125
Po Shek Wu Road Flyover	60	LD	0.31852	50	48	N	1400-1500	750	0.035842199	0.032940488	0.688597871	0.068880535
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1500-1600	800	0.036570476	0.033680786	0.705892252	0.071032083
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1600-1700	800	0.036459495	0.033578834	0.703957595	0.07061486
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1700-1800	900	0.036708155	0.033747359	0.71206687	0.071363398
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1800-1900	900	0.036825524	0.033851779	0.713906785	0.071477115
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1900-2000	800	0.036469586	0.033588281	0.703763411	0.070709747
Po Shek Wu Road Flyover	60	LD	0.31852	50	49	N	2000-2100	650	0.035586812	0.032789177	0.681811798	0.067608139
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2100-2200	500	0.035183398	0.032321663	0.669502103	0.06279031
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2200-2300	500	0.035072563	0.032219389	0.667973017	0.062715813
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2300-0000	400	0.034890562	0.032051228	0.664774671	0.065678359

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	01/02	RR	0.10886	50	48	N	0000-0100	300	0.01237188	0.011335197	0.299996069	0.04134103
Fan Kam Road	01/02	RR	0.10886	50	48	N	0100-0200	250	0.010412932	0.009531057	0.265145948	0.03850727
Fan Kam Road	01/02	RR	0.10886	50	49	N	0200-0300	200	0.009405924	0.008706969	0.245207908	0.033471128
Fan Kam Road	01/02	RR	0.10886	50	49	N	0300-0400	150	0.008962024	0.008299108	0.241807831	0.03357444
Fan Kam Road	01/02	RR	0.10886	50	49	N	0400-0500	100	0.008748466	0.008102476	0.242104304	0.0351162
Fan Kam Road	01/02	RR	0.10886	50	49	N	0500-0600	100	0.011484448	0.010616689	0.291354286	0.038758998
Fan Kam Road	01/02	RR	0.10886	50	48	N	0600-0700	250	0.01289672	0.011816682	0.311625538	0.042098311
Fan Kam Road	01/02	RR	0.10886	50	46	N	0700-0800	650	0.013151144	0.012060742	0.318188223	0.043868804
Fan Kam Road	01/02	RR	0.10886	50	40	N	0800-0900	950	0.013814937	0.012698272	0.339795638	0.04829504
Fan Kam Road	01/02	RR	0.10886	50	40	N	0900-1000	950	0.013767824	0.012654988	0.33979581	0.048264116
Fan Kam Road	01/02	RR	0.10886	50	40	N	1000-1100	950	0.013762409	0.012650097	0.339473555	0.048230211
Fan Kam Road	01/02	RR	0.10886	50	41	N	1100-1200	950	0.013653309	0.012656326	0.335517883	0.047362376
Fan Kam Road	01/02	RR	0.10886	50	43	N	1200-1300	750	0.013034154	0.011957465	0.321044293	0.044822787
Fan Kam Road	01/02	RR	0.10886	50	44	N	1300-1400	750	0.014222115	0.013039349	0.343041217	0.052258274
Fan Kam Road	01/02	RR	0.10886	50	42	N	1400-1500	850	0.014932139	0.013728946	0.356539509	0.053933569
Fan Kam Road	01/02	RR	0.10886	50	41	N	1500-1600	850	0.014866643	0.013768818	0.361251237	0.054995313
Fan Kam Road	01/02	RR	0.10886	50	41	N	1600-1700	850	0.014667212	0.013585939	0.356459353	0.053998131
Fan Kam Road	01/02	RR	0.10886	50	40	N	1700-1800	950	0.014845156	0.013646346	0.36185377	0.055472561
Fan Kam Road	01/02	RR	0.10886	50	37	N	1800-1900	1050	0.016221447	0.014930089	0.391867967	0.061215103
Fan Kam Road	01/02	RR	0.10886	50	41	N	1900-2000	850	0.014836963	0.013741825	0.35930689	0.054687854
Fan Kam Road	01/02	RR	0.10886	50	45	N	2000-2100	700	0.014223181	0.013058113	0.338614716	0.051008754
Fan Kam Road	01/02	RR	0.10886	50	46	N	2100-2200	550	0.013576433	0.012451307	0.327676339	0.049301494
Fan Kam Road	01/02	RR	0.10886	50	47	N	2200-2300	550	0.013488063	0.012449622	0.323493212	0.048924293
Fan Kam Road	01/02	RR	0.10886	50	47	N	2300-0000	450	0.013158674	0.012146068	0.318366953	0.047517655
Fan Kam Road	03/04	RR	0.13435	50	49	N	0000-0100	250	0.011960902	0.011055334	0.293848885	0.037725894
Fan Kam Road	03/04	RR	0.13435	50	49	N	0100-0200	150	0.009166705	0.008487047	0.242085759	0.032879306
Fan Kam Road	03/04	RR	0.13435	50	49	N	0200-0300	150	0.009048907	0.008379522	0.242308621	0.034160317
Fan Kam Road	03/04	RR	0.13435	50	49	N	0300-0400	100	0.009222748	0.008539606	0.242748557	0.037285242
Fan Kam Road	03/04	RR	0.13435	50	49	N	0400-0500	100	0.009898976	0.008972551	0.252204306	0.037186927
Fan Kam Road	03/04	RR	0.13435	50	49	N	0500-0600	100	0.010172792	0.009413415	0.266599461	0.039692257
Fan Kam Road	03/04	RR	0.13435	50	49	N	0600-0700	150	0.012105309	0.011187752	0.296500694	0.036280053
Fan Kam Road	03/04	RR	0.13435	50	47	N	0700-0800	450	0.0124885	0.01153046	0.305996951	0.042219169
Fan Kam Road	03/04	RR	0.13435	50	42	N	0800-0900	800	0.0134674	0.012381446	0.328349085	0.046010152
Fan Kam Road	03/04	RR	0.13435	50	44	N	0900-1000	700	0.013298053	0.012189686	0.322762699	0.045939148
Fan Kam Road	03/04	RR	0.13435	50	44	N	1000-1100	700	0.013250233	0.01214531	0.321809498	0.045751558
Fan Kam Road	03/04	RR	0.13435	50	45	N	1100-1200	700	0.012814372	0.01176104	0.314097712	0.043930594
Fan Kam Road	03/04	RR	0.13435	50	46	N	1200-1300	600	0.012978858	0.011901535	0.31553695	0.043572945
Fan Kam Road	03/04	RR	0.13435	50	46	N	1300-1400	600	0.013274651	0.012174129	0.320066779	0.044417382
Fan Kam Road	03/04	RR	0.13435	50	45	N	1400-1500	600	0.013024827	0.011954635	0.315253542	0.043058912
Fan Kam Road	03/04	RR	0.13435	50	45	N	1500-1600	650	0.012888482	0.011828865	0.31192801	0.04273071
Fan Kam Road	03/04	RR	0.13435	50	45	N	1600-1700	700	0.01293053	0.011868029	0.313861523	0.043512618
Fan Kam Road	03/04	RR	0.13435	50	44	N	1700-1800	750	0.013298618	0.012189912	0.322358305	0.044261128
Fan Kam Road	03/04	RR	0.13435	50	44	N	1800-1900	750	0.013977431	0.012814508	0.335874619	0.047738745
Fan Kam Road	03/04	RR	0.13435	50	45	N	1900-2000	700	0.013052044	0.011979469	0.316038813	0.043964567
Fan Kam Road	03/04	RR	0.13435	50	47	N	2000-2100	500	0.013075347	0.01207102	0.314371465	0.042963463
Fan Kam Road	03/04	RR	0.13435	50	48	N	2100-2200	400	0.012039953	0.011027597	0.296800435	0.040032639
Fan Kam Road	03/04	RR	0.13435	50	48	N	2200-2300	400	0.012070597	0.011056314	0.293551057	0.039050628
Fan Kam Road	03/04	RR	0.13435	50	48	N	2300-0000	350	0.012864176	0.011786302	0.310520858	0.042708789
Fan Kam Road	05/06	RR	0.28702	50	48	N	0000-0100	300	0.009726392	0.008896582	0.249561722	0.028004638
Fan Kam Road	05/06	RR	0.28702	50	49	N	0100-0200	200	0.006623481	0.006149014	0.195624953	0.022192709
Fan Kam Road	05/06	RR	0.28702	50	49	N	0200-0300	200	0.005991902	0.005569803	0.186035926	0.020485613
Fan Kam Road	05/06	RR	0.28702	50	49	N	0300-0400	100	0.00614705	0.005713356	0.186997106	0.01891075
Fan Kam Road	05/06	RR	0.28702	50	49	N	0400-0500	100	0.005768629	0.005363879	0.185611083	0.018539643
Fan Kam Road	05/06	RR	0.28702	50	49	N	0500-0600	100	0.00621688	0.005773151	0.190992011	0.020878342
Fan Kam Road	05/06	RR	0.28702	50	49	N	0600-0700	200	0.009538928	0.008828427	0.248300367	0.026753678
Fan Kam Road	05/06	RR	0.28702	50	46	N	0700-0800	600	0.009963948	0.009125656	0.258250353	0.030977611
Fan Kam Road	05/06	RR	0.28702	50	39	N	0800-0900	1050	0.010851078	0.009978349	0.280302694	0.033877143
Fan Kam Road	05/06	RR	0.28702	50	42	N	0900-1000	950	0.010105643	0.009287657	0.263393392	0.031697655
Fan Kam Road	05/06	RR	0.28702	50	42	N	1000-1100	950	0.010047397	0.009234208	0.263108941	0.031497101
Fan Kam Road	05/06	RR	0.28702	50	42	N	1100-1200	850	0.010209836	0.009383517	0.2646486	0.032074678
Fan Kam Road	05/06	RR	0.28702	50	44	N	1200-1300	750	0.009710511	0.008887519	0.255464008	0.030138976
Fan Kam Road	05/06	RR	0.28702	50	45	N	1300-1400	750	0.011254863	0.010325334	0.283381398	0.036197809
Fan Kam Road	05/06	RR	0.28702	50	43	N	1400-1500	750	0.011541874	0.010583608	0.290084008	0.037894074
Fan Kam Road	05/06	RR	0.28702	50	43	N	1500-1600	850	0.011722078	0.010749937	0.292682692	0.03798999
Fan Kam Road	05/06	RR	0.28702	50	42	N	1600-1700	850	0.01187201	0.010913248	0.296546179	0.037840801
Fan Kam Road	05/06	RR	0.28702	50	41	N	1700-1800	950	0.011844847	0.010996014	0.299199673	0.038600887
Fan Kam Road	05/06	RR	0.28702	50	42	N	1800-1900	900	0.011895958	0.010935442	0.297163292	0.038430144
Fan Kam Road	05/06	RR	0.28702	50	42	N	1900-2000	850	0.011960408	0.010994592	0.297150908	0.038052258
Fan Kam Road	05/06	RR	0.28702	50	45	N	2000-2100	650	0.01148568	0.010537682	0.286281255	0.036758958
Fan Kam Road	05/06	RR	0.28702	50	47	N	2100-2200	550	0.011149156	0.01030139	0.279300427	0.035948322
Fan Kam Road	05/06	RR	0.28702	50	47	N	2200-2300	500	0.010963881	0.010130539	0.276266766	0.035124359
Fan Kam Road	05/06	RR	0.28702	50	47	N	2300-0000	400	0.010855943	0.010031476	0.27383615	0.034190376
Fan Kam Road	07/08	RR	1.94868	50	47	N	0000-0100	400	0.010902082	0.010075395	0.269551803	0.031672727
Fan Kam Road	07/08	RR	1.94868	50	48	N	0100-0200	350	0.007952454	0.007263857	0.216853292	0.027056884
Fan Kam Road	07/08	RR	1.94868	50	48	N	0200-0300	300	0.00798398	0.007294344	0.217225326	0.027715857
Fan Kam Road	07/08	RR	1.94868	50	49	N	0300-0400	200	0.007123013	0.006608658	0.203697567	0.024661708
Fan Kam Road	07/08	RR	1.94868	50	49	N	0400-0500	200	0.006501677	0.006038138	0.196870979	0.024177803
Fan Kam Road	07/08	RR	1.94868	50	49	N	0500-0600	200	0.009940218	0.009199324	0.256133688	0.027987152
Fan Kam Road	07/08	RR	1.94868	50	48	N	0600-0700	300	0.010723614	0.009814938	0.266437642	0.030971487
Fan Kam Road	07/08	RR	1.94868	50	42	N	0700-0800	850	0.011630303	0.01068965	0.288851669	0.034208418
Fan Kam Road	07/08	RR	1.94868	50	32	N	0800-0900	1500	0.014490887	0.013269765	0.353570237	0.043791618
Fan Kam Road	07/08	RR	1.94868	50	34	N	0900-1000	1350	0.013915215	0.012833447	0.341462589	0.041993893
Fan Kam Road	07/08	RR	1.94868	50	34	N	1000-1100	1350	0.01388851	0.01280645	0.340619505	

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	07/08	RR	1.94868	50	34	N	1700-1800	1350	0.013826929	0.012751526	0.33929465	0.042511398
Fan Kam Road	07/08	RR	1.94868	50	33	N	1800-1900	1400	0.014123586	0.01293811	0.345187732	0.043300367
Fan Kam Road	07/08	RR	1.94868	50	36	N	1900-2000	1250	0.013303633	0.012250453	0.326823459	0.040822702
Fan Kam Road	07/08	RR	1.94868	50	41	N	2000-2100	950	0.011549036	0.010725818	0.291306166	0.035107246
Fan Kam Road	07/08	RR	1.94868	50	44	N	2100-2200	750	0.011664324	0.010684788	0.28864954	0.03538471
Fan Kam Road	07/08	RR	1.94868	50	44	N	2200-2300	750	0.011592801	0.010619002	0.288589426	0.035263517
Fan Kam Road	07/08	RR	1.94868	50	46	N	2300-0000	600	0.010618693	0.009727446	0.267449597	0.031552452
Fan Kam Road	09/10	RR	0.27529	50	49	N	0000-0100	650	0.02161427	0.019935566	0.447826931	0.046683832
Fan Kam Road	09/10	RR	0.27529	50	49	N	0100-0200	500	0.009840656	0.009106658	0.253692836	0.037677962
Fan Kam Road	09/10	RR	0.27529	50	49	N	0200-0300	400	0.00987384	0.009137485	0.254197148	0.037772752
Fan Kam Road	09/10	RR	0.27529	50	49	N	0300-0400	300	0.009876673	0.00914043	0.25278865	0.036388056
Fan Kam Road	09/10	RR	0.27529	50	50	N	0400-0500	250	0.009786591	0.008939645	0.250022943	0.03432771
Fan Kam Road	09/10	RR	0.27529	50	49	N	0500-0600	300	0.02218677	0.020462487	0.457173954	0.044766277
Fan Kam Road	09/10	RR	0.27529	50	49	N	0600-0700	500	0.021922613	0.020218969	0.452215783	0.046526956
Fan Kam Road	09/10	RR	0.27529	50	47	N	0700-0800	1300	0.022316356	0.020572024	0.464931108	0.048463613
Fan Kam Road	09/10	RR	0.27529	50	44	N	0800-0900	2300	0.023092374	0.02119992	0.486117635	0.0513006
Fan Kam Road	09/10	RR	0.27529	50	46	N	0900-1000	2000	0.022630897	0.020785395	0.472246699	0.049199936
Fan Kam Road	09/10	RR	0.27529	50	46	N	1000-1100	2000	0.022571213	0.020730548	0.471203553	0.049079757
Fan Kam Road	09/10	RR	0.27529	50	46	N	1100-1200	1950	0.022448384	0.020617503	0.469759078	0.049350155
Fan Kam Road	09/10	RR	0.27529	50	46	N	1200-1300	1650	0.022574198	0.020733353	0.471576968	0.04936989
Fan Kam Road	09/10	RR	0.27529	50	47	N	1300-1400	1600	0.020380775	0.018795309	0.426128417	0.035704772
Fan Kam Road	09/10	RR	0.27529	50	46	N	1400-1500	1750	0.02046315	0.01878965	0.428664336	0.036027712
Fan Kam Road	09/10	RR	0.27529	50	46	N	1500-1600	1850	0.02054514	0.018865185	0.42968023	0.036244603
Fan Kam Road	09/10	RR	0.27529	50	46	N	1600-1700	1900	0.020814983	0.019113506	0.434283731	0.036715
Fan Kam Road	09/10	RR	0.27529	50	46	N	1700-1800	2050	0.020687176	0.018995937	0.432089342	0.036415707
Fan Kam Road	09/10	RR	0.27529	50	45	N	1800-1900	2050	0.021132137	0.019413357	0.441364965	0.037075523
Fan Kam Road	09/10	RR	0.27529	50	46	N	1900-2000	1850	0.02069327	0.019001455	0.432048655	0.036577421
Fan Kam Road	09/10	RR	0.27529	50	47	N	2000-2100	1500	0.020298586	0.018719848	0.423788355	0.035421552
Fan Kam Road	09/10	RR	0.27529	50	48	N	2100-2200	1100	0.020178334	0.018517722	0.418639827	0.035382314
Fan Kam Road	09/10	RR	0.27529	50	48	N	2200-2300	1100	0.02020018	0.018537723	0.419160768	0.035551208
Fan Kam Road	09/10	RR	0.27529	50	48	N	2300-0000	950	0.020255312	0.018588463	0.420069337	0.034716267
Fan Kam Road	11	RR	0.0882	50	49	N	0000-0100	450	0.019701042	0.018175931	0.414244727	0.041524584
Fan Kam Road	11	RR	0.0882	50	49	N	0100-0200	350	0.008944637	0.008282779	0.237004566	0.02621757
Fan Kam Road	11	RR	0.0882	50	49	N	0200-0300	300	0.008630558	0.007993547	0.23201043	0.032204454
Fan Kam Road	11	RR	0.0882	50	49	N	0300-0400	200	0.009268148	0.008579654	0.244069748	0.035811831
Fan Kam Road	11	RR	0.0882	50	50	N	0400-0500	200	0.009022948	0.008237653	0.236359557	0.031716131
Fan Kam Road	11	RR	0.0882	50	50	N	0500-0600	200	0.018662999	0.017111479	0.394995573	0.0386759
Fan Kam Road	11	RR	0.0882	50	49	N	0600-0700	350	0.01938825	0.017888599	0.407902125	0.041340974
Fan Kam Road	11	RR	0.0882	50	47	N	0700-0800	950	0.019969368	0.018414484	0.42353209	0.042235431
Fan Kam Road	11	RR	0.0882	50	45	N	0800-0900	1700	0.02065071	0.018971011	0.438021481	0.044365237
Fan Kam Road	11	RR	0.0882	50	46	N	0900-1000	1450	0.020224497	0.018570269	0.429389266	0.043387351
Fan Kam Road	11	RR	0.0882	50	46	N	1000-1100	1450	0.020332339	0.018669678	0.431114676	0.043363484
Fan Kam Road	11	RR	0.0882	50	46	N	1100-1200	1400	0.020343718	0.018680042	0.431124187	0.043728162
Fan Kam Road	11	RR	0.0882	50	47	N	1200-1300	1200	0.019950329	0.01839728	0.422359233	0.042549446
Fan Kam Road	11	RR	0.0882	50	47	N	1300-1400	1150	0.020445814	0.018855316	0.425770945	0.0351693
Fan Kam Road	11	RR	0.0882	50	47	N	1400-1500	1250	0.020529194	0.018932291	0.4270052	0.035480161
Fan Kam Road	11	RR	0.0882	50	47	N	1500-1600	1350	0.020541506	0.018943476	0.427108825	0.036089378
Fan Kam Road	11	RR	0.0882	50	46	N	1600-1700	1400	0.020774104	0.019076086	0.433654977	0.036394252
Fan Kam Road	11	RR	0.0882	50	46	N	1700-1800	1500	0.020846123	0.019142246	0.434242822	0.035802287
Fan Kam Road	11	RR	0.0882	50	46	N	1800-1900	1400	0.020877424	0.019171182	0.434604377	0.036343156
Fan Kam Road	11	RR	0.0882	50	46	N	1900-2000	1350	0.020826279	0.01912406	0.433395808	0.036484054
Fan Kam Road	11	RR	0.0882	50	47	N	2000-2100	1050	0.020627558	0.019022784	0.42850065	0.035947418
Fan Kam Road	11	RR	0.0882	50	48	N	2100-2200	850	0.020388666	0.018711585	0.421949478	0.035209453
Fan Kam Road	11	RR	0.0882	50	48	N	2200-2300	850	0.020334625	0.018661663	0.420440653	0.035257203
Fan Kam Road	11	RR	0.0882	50	48	N	2300-0000	700	0.0205688	0.018877106	0.423713818	0.034657996
Fan Kam Road	12	RR	0.09121	50	49	N	0000-0100	400	0.025028454	0.023076255	0.499145815	0.044318678
Fan Kam Road	12	RR	0.09121	50	49	N	0100-0200	350	0.008154562	0.007556208	0.223757911	0.029341431
Fan Kam Road	12	RR	0.09121	50	49	N	0200-0300	250	0.008755427	0.00810868	0.234100055	0.033402418
Fan Kam Road	12	RR	0.09121	50	50	N	0300-0400	200	0.007983199	0.007279385	0.218608525	0.027744109
Fan Kam Road	12	RR	0.09121	50	50	N	0400-0500	150	0.0082541	0.00752872	0.224713701	0.029885357
Fan Kam Road	12	RR	0.09121	50	50	N	0500-0600	200	0.023728329	0.021774344	0.477535753	0.042351883
Fan Kam Road	12	RR	0.09121	50	49	N	0600-0700	350	0.024715903	0.022789663	0.493225762	0.043248352
Fan Kam Road	12	RR	0.09121	50	48	N	0700-0800	850	0.024919581	0.022883069	0.500531122	0.045082489
Fan Kam Road	12	RR	0.09121	50	46	N	0800-0900	1400	0.025527254	0.023451441	0.516531333	0.04579707
Fan Kam Road	12	RR	0.09121	50	46	N	0900-1000	1350	0.025652654	0.023566735	0.51845062	0.046034175
Fan Kam Road	12	RR	0.09121	50	46	N	1000-1100	1350	0.025543846	0.023466762	0.517019254	0.045805262
Fan Kam Road	12	RR	0.09121	50	46	N	1100-1200	1300	0.025588972	0.023508251	0.517879223	0.046112888
Fan Kam Road	12	RR	0.09121	50	47	N	1200-1300	1100	0.025264963	0.023286274	0.510010094	0.045080767
Fan Kam Road	12	RR	0.09121	50	47	N	1300-1400	1050	0.02388355	0.022017467	0.484160312	0.040262536
Fan Kam Road	12	RR	0.09121	50	47	N	1400-1500	1150	0.02381459	0.021954204	0.482461488	0.040139968
Fan Kam Road	12	RR	0.09121	50	47	N	1500-1600	1200	0.023797724	0.021938561	0.482385961	0.039730921
Fan Kam Road	12	RR	0.09121	50	47	N	1600-1700	1250	0.02373512	0.021881333	0.4806152	0.039397996
Fan Kam Road	12	RR	0.09121	50	46	N	1700-1800	1350	0.024151152	0.022184598	0.490588482	0.040588991
Fan Kam Road	12	RR	0.09121	50	46	N	1800-1900	1450	0.024101616	0.022139118	0.489576816	0.040552604
Fan Kam Road	12	RR	0.09121	50	47	N	1900-2000	1250	0.02379988	0.021940525	0.482048192	0.039614534
Fan Kam Road	12	RR	0.09121	50	47	N	2000-2100	1000	0.023844636	0.021981901	0.482877053	0.039908529
Fan Kam Road	12	RR	0.09121	50	48	N	2100-2200	750	0.023409743	0.021492853	0.471992625	0.03950365
Fan Kam Road	12	RR	0.09121	50	48	N	2200-2300	750	0.023522236	0.021596576	0.474543194	0.039466989
Fan Kam Road	12	RR	0.09121	50	48	N	2300-0000	650	0.023524151	0.021598024	0.474077433	0.039681869
Castle Peak Road - Kwu	113/14	LD	0.42005	50	30	N	0000-0100	450	0.027954025	0.025695167	0.628297715	0.074084535
Castle Peak Road - Kwu	113/14	LD	0.42005	50	30	N	0100-0200	350	0.015726296	0.014443347	0.391480883	0.062831287
Castle Peak Road - Kwu	113/14	LD	0.42005	50	30	N	0200-0300	250	0.015044563	0.013816093	0.38350786	0.061001949
Castle Peak Road - Kwu	113/14	LD	0.42005	50	30	N	0300-0400	200	0.015451392	0.014191847	0.393828911	0.062187756
Castle Peak Road - Kwu	113/14	LD	0.42005	50	30	N	0400-0500	150	0.014536545	0.01334990		

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Castle Peak Road - Kwu	13/14	LD	0.42005	50	27	N	1000-1100	1300	0.03040326	0.027991459	0.692248307	0.082736863
Castle Peak Road - Kwu	13/14	LD	0.42005	50	27	N	1100-1200	1200	0.030482731	0.028064416	0.693722314	0.082609268
Castle Peak Road - Kwu	13/14	LD	0.42005	50	27	N	1200-1300	1050	0.030663319	0.028230251	0.698546254	0.083960047
Castle Peak Road - Kwu	13/14	LD	0.42005	50	28	N	1300-1400	1000	0.024085727	0.022159752	0.544249448	0.051869938
Castle Peak Road - Kwu	13/14	LD	0.42005	50	28	N	1400-1500	1100	0.024142327	0.022211371	0.544289207	0.052124649
Castle Peak Road - Kwu	13/14	LD	0.42005	50	27	N	1500-1600	1200	0.024715874	0.02276005	0.558237969	0.053284799
Castle Peak Road - Kwu	13/14	LD	0.42005	50	27	N	1600-1700	1200	0.024948517	0.022973773	0.562980811	0.054384543
Castle Peak Road - Kwu	13/14	LD	0.42005	50	27	N	1700-1800	1300	0.024867148	0.022898944	0.561595351	0.054333536
Castle Peak Road - Kwu	13/14	LD	0.42005	50	26	N	1800-1900	1400	0.02538222	0.023284617	0.574525565	0.055254839
Castle Peak Road - Kwu	13/14	LD	0.42005	50	27	N	1900-2000	1200	0.024969252	0.022992902	0.563206546	0.054920438
Castle Peak Road - Kwu	13/14	LD	0.42005	50	28	N	2000-2100	950	0.023770032	0.021868933	0.53703592	0.051270553
Castle Peak Road - Kwu	13/14	LD	0.42005	50	29	N	2100-2200	750	0.023210414	0.021333862	0.522721214	0.049118992
Castle Peak Road - Kwu	13/14	LD	0.42005	50	29	N	2200-2300	700	0.023213451	0.021336482	0.523253257	0.04873434
Castle Peak Road - Kwu	13/14	LD	0.42005	50	30	N	2300-0000	600	0.022592014	0.020757322	0.505697557	0.047063693
Po Kin Road	15/16	LD	0.1415	50	30	Y	0000-0100	450	0.038411962	0.035044688	0.802560571	0.077919023
Po Kin Road	15/16	LD	0.1415	50	30	Y	0100-0200	350	0.021685676	0.019626939	0.469136053	0.059344053
Po Kin Road	15/16	LD	0.1415	50	30	Y	0200-0300	300	0.022161981	0.020076227	0.492537316	0.0596503716
Po Kin Road	15/16	LD	0.1415	50	30	Y	0300-0400	200	0.020621234	0.018661262	0.450010528	0.05589554
Po Kin Road	15/16	LD	0.1415	50	30	Y	0400-0500	200	0.020542307	0.018572303	0.437101849	0.051070849
Po Kin Road	15/16	LD	0.1415	50	30	Y	0500-0600	200	0.037290645	0.03399883	0.763660358	0.067509637
Po Kin Road	15/16	LD	0.1415	50	30	Y	0600-0700	350	0.038033918	0.034689661	0.789216585	0.070683682
Po Kin Road	15/16	LD	0.1415	50	28	Y	0700-0800	900	0.038839644	0.035464578	0.817714137	0.080147013
Po Kin Road	15/16	LD	0.1415	50	24	Y	0800-0900	1650	0.04201764	0.038347591	0.899218844	0.088182238
Po Kin Road	15/16	LD	0.1415	50	25	Y	0900-1000	1400	0.0416905	0.038025773	0.888443058	0.087115647
Po Kin Road	15/16	LD	0.1415	50	25	Y	1000-1100	1400	0.041601801	0.037945632	0.885711312	0.086871931
Po Kin Road	15/16	LD	0.1415	50	26	Y	1100-1200	1350	0.040961965	0.037352442	0.867838944	0.085105289
Po Kin Road	15/16	LD	0.1415	50	26	Y	1200-1300	1150	0.040579093	0.036998967	0.861298281	0.084383583
Po Kin Road	15/16	LD	0.1415	50	27	Y	1300-1400	1100	0.044170127	0.040392828	0.952936776	0.097577418
Po Kin Road	15/16	LD	0.1415	50	26	Y	1400-1500	1200	0.044999412	0.041077097	0.974424407	0.098677566
Po Kin Road	15/16	LD	0.1415	50	26	Y	1500-1600	1300	0.044713786	0.040814115	0.969160344	0.098683935
Po Kin Road	15/16	LD	0.1415	50	25	Y	1600-1700	1300	0.045724267	0.041743297	0.994219349	0.100393029
Po Kin Road	15/16	LD	0.1415	50	25	Y	1700-1800	1450	0.045586685	0.041616833	0.991110276	0.10601092
Po Kin Road	15/16	LD	0.1415	50	25	Y	1800-1900	1350	0.046389861	0.04235984	1.01165997	0.102783125
Po Kin Road	15/16	LD	0.1415	50	26	Y	1900-2000	1300	0.045016595	0.041092094	0.975213633	0.099092664
Po Kin Road	15/16	LD	0.1415	50	27	Y	2000-2100	1000	0.044105423	0.040336307	0.949450457	0.095637081
Po Kin Road	15/16	LD	0.1415	50	28	Y	2100-2200	800	0.04307923	0.039372103	0.927491465	0.094811365
Po Kin Road	15/16	LD	0.1415	50	28	Y	2200-2300	800	0.043235844	0.0395161	0.929530767	0.094370181
Po Kin Road	15/16	LD	0.1415	50	29	Y	2300-0000	650	0.042451621	0.03877391	0.910073814	0.092389326
Po Kin Road	17/18	LD	0.1249	50	30	Y	0000-0100	300	0.037993943	0.034681114	0.865430612	0.10881825
Po Kin Road	17/18	LD	0.1249	50	30	Y	0100-0200	200	0.023008749	0.020847397	0.546721781	0.080892494
Po Kin Road	17/18	LD	0.1249	50	30	Y	0200-0300	200	0.022985783	0.020863513	0.556446794	0.083864806
Po Kin Road	17/18	LD	0.1249	50	30	Y	0300-0400	100	0.022001868	0.019938012	0.523008837	0.076268697
Po Kin Road	17/18	LD	0.1249	50	30	Y	0400-0500	100	0.022137241	0.020059939	0.514180221	0.06848958
Po Kin Road	17/18	LD	0.1249	50	30	Y	0500-0600	100	0.035386904	0.032263372	0.773293048	0.081743178
Po Kin Road	17/18	LD	0.1249	50	30	Y	0600-0700	200	0.036451849	0.033251018	0.80903565	0.095388769
Po Kin Road	17/18	LD	0.1249	50	27	Y	0700-0800	400	0.039794023	0.036373952	0.903664262	0.110439709
Po Kin Road	17/18	LD	0.1249	50	24	Y	0800-0900	750	0.042023571	0.038363967	0.963946139	0.118222774
Po Kin Road	17/18	LD	0.1249	50	24	Y	0900-1000	700	0.04203857	0.038378912	0.969130478	0.119802899
Po Kin Road	17/18	LD	0.1249	50	24	Y	1000-1100	700	0.041964048	0.038311626	0.966664626	0.119569689
Po Kin Road	17/18	LD	0.1249	50	25	Y	1100-1200	700	0.041297378	0.037677795	0.949545634	0.118506106
Po Kin Road	17/18	LD	0.1249	50	26	Y	1200-1300	600	0.04102553	0.037428662	0.940346581	0.117522337
Po Kin Road	17/18	LD	0.1249	50	26	Y	1300-1400	550	0.042801139	0.039065262	0.996514666	0.125145979
Po Kin Road	17/18	LD	0.1249	50	26	Y	1400-1500	600	0.043156838	0.039397339	1.004630079	0.126702415
Po Kin Road	17/18	LD	0.1249	50	25	Y	1500-1600	650	0.044325159	0.040475311	1.040288527	0.133125416
Po Kin Road	17/18	LD	0.1249	50	25	Y	1600-1700	700	0.044050799	0.040221048	1.027793046	0.130823727
Po Kin Road	17/18	LD	0.1249	50	24	Y	1700-1800	750	0.045236221	0.041327895	1.062033442	0.134792402
Po Kin Road	17/18	LD	0.1249	50	24	Y	1800-1900	800	0.044947431	0.041064	1.051701319	0.131756297
Po Kin Road	17/18	LD	0.1249	50	25	Y	1900-2000	700	0.044390062	0.040529238	1.036792612	0.132056203
Po Kin Road	17/18	LD	0.1249	50	26	Y	2000-2100	500	0.042613007	0.03889654	0.990930623	0.123089473
Po Kin Road	17/18	LD	0.1249	50	28	Y	2100-2200	400	0.041983951	0.038374354	0.969899736	0.122808916
Po Kin Road	17/18	LD	0.1249	50	28	Y	2200-2300	400	0.041205215	0.037660536	0.9543198	0.121260044
Po Kin Road	17/18	LD	0.1249	50	28	Y	2300-0000	400	0.042200109	0.038578311	0.971669894	0.119135481
Po Kin Road	19/20	LD	0.2318	50	30	N	0000-0100	250	0.040054297	0.036824971	0.859020377	0.078325356
Po Kin Road	19/20	LD	0.2318	50	30	N	0100-0200	200	0.011961795	0.010979878	0.317222447	0.046925341
Po Kin Road	19/20	LD	0.2318	50	30	N	0200-0300	150	0.013855567	0.012721891	0.348938261	0.058724051
Po Kin Road	19/20	LD	0.2318	50	30	N	0300-0400	100	0.01099495	0.010088463	0.31095307	0.043840655
Po Kin Road	19/20	LD	0.2318	50	30	N	0400-0500	100	0.010572907	0.009696201	0.297687207	0.030047394
Po Kin Road	19/20	LD	0.2318	50	30	N	0500-0600	100	0.036743496	0.033776719	0.802359888	0.057212638
Po Kin Road	19/20	LD	0.2318	50	30	N	0600-0700	200	0.04080515	0.037517486	0.87403434	0.076205536
Po Kin Road	19/20	LD	0.2318	50	28	N	0700-0800	400	0.042731077	0.039313168	0.923778045	0.087533282
Po Kin Road	19/20	LD	0.2318	50	25	N	0800-0900	650	0.046585943	0.042803446	1.025566043	0.093944312
Po Kin Road	19/20	LD	0.2318	50	26	N	0900-1000	600	0.045104678	0.041440212	0.984443713	0.091857552
Po Kin Road	19/20	LD	0.2318	50	26	N	1000-1100	600	0.045064867	0.04140313	0.983836286	0.09176309
Po Kin Road	19/20	LD	0.2318	50	26	N	1100-1200	600	0.045747368	0.042031595	0.998979078	0.092613551
Po Kin Road	19/20	LD	0.2318	50	27	N	1200-1300	500	0.044091648	0.040583822	0.9580349	0.088182904
Po Kin Road	19/20	LD	0.2318	50	27	N	1300-1400	450	0.047842149	0.044033671	1.027627948	0.088914977
Po Kin Road	19/20	LD	0.2318	50	27	N	1400-1500	500	0.046876631	0.043145608	1.008360571	0.086163589
Po Kin Road	19/20	LD	0.2318	50	27	N	1500-1600	550	0.047887568	0.04407505	1.030410542	0.087760514
Po Kin Road	19/20	LD	0.2318	50	26	N	1600-1700	550	0.04873563	0.044782556	1.055549148	0.091709875
Po Kin Road	19/20	LD	0.2318	50	26	N	1700-1800	600	0.048155084	0.04424789	1.043487396	0.088979847
Po Kin Road	19/20	LD	0.2318	50	26	N	1800-1900	600	0.048236602	0.044326331	1.045502614	0.088636441
Po Kin Road	19/20	LD	0.2318	50	26	N	1900-2000	550	0.048714525	0.044762693	1.055263787	0.092150003
Po Kin Road	19/20	LD	0.2318	50	28	N	2000-2100	400	0.04570291			

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Kin Road	21	LD	0.184	50	30	N	0300-0400	50	0.014688354	0.013491437	0.365913584	0.063593389
Po Kin Road	21	LD	0.184	50	30	N	0400-0500	50	0.015405445	0.01414211	0.382669816	0.063746116
Po Kin Road	21	LD	0.184	50	30	N	0500-0600	50	0.097902865	0.090051664	1.962446289	0.133635436
Po Kin Road	21	LD	0.184	50	30	N	0600-0700	100	0.095043495	0.087422624	1.912980252	0.127668922
Po Kin Road	21	LD	0.184	50	26	N	0700-0800	250	0.103215036	0.094925321	2.155625585	0.151103883
Po Kin Road	21	LD	0.184	50	24	N	0800-0900	350	0.107956855	0.099303381	2.306496194	0.16138286
Po Kin Road	21	LD	0.184	50	23	N	0900-1000	400	0.110289535	0.101464199	2.384641754	0.16490507
Po Kin Road	21	LD	0.184	50	22	N	1000-1100	400	0.113074376	0.104032615	2.478366779	0.173731807
Po Kin Road	21	LD	0.184	50	23	N	1100-1200	400	0.110332183	0.10150403	2.387830122	0.166076994
Po Kin Road	21	LD	0.184	50	24	N	1200-1300	350	0.107998055	0.099342037	2.309890719	0.1620621
Po Kin Road	21	LD	0.184	50	26	N	1300-1400	300	0.06139142	0.056429394	1.306511615	0.092809855
Po Kin Road	21	LD	0.184	50	25	N	1400-1500	350	0.062454408	0.057407731	1.340698025	0.09685758
Po Kin Road	21	LD	0.184	50	24	N	1500-1600	400	0.064050749	0.058897983	1.38677533	0.099025366
Po Kin Road	21	LD	0.184	50	24	N	1600-1700	400	0.064926344	0.059703444	1.402501807	0.100898659
Po Kin Road	21	LD	0.184	50	24	N	1700-1800	400	0.065096887	0.059861127	1.409094533	0.101762587
Po Kin Road	21	LD	0.184	50	21	N	1800-1900	550	0.069745155	0.064177726	1.555935232	0.113618061
Po Kin Road	21	LD	0.184	50	24	N	1900-2000	400	0.064369946	0.059190916	1.392149782	0.099045821
Po Kin Road	21	LD	0.184	50	26	N	2000-2100	300	0.061191298	0.056245607	1.299521639	0.093970224
Po Kin Road	21	LD	0.184	50	27	N	2100-2200	250	0.060849232	0.056000424	1.280007683	0.090204584
Po Kin Road	21	LD	0.184	50	27	N	2200-2300	250	0.060185989	0.055389581	1.269015429	0.090114622
Po Kin Road	21	LD	0.184	50	28	N	2300-0000	200	0.059274457	0.054540073	1.23278026	0.085058723
Po Kin Road	22	LD	0.18362	50	29	N	0000-0100	150	0.055174203	0.050746817	1.149588907	0.086695667
Po Kin Road	22	LD	0.18362	50	30	N	0100-0200	100	0.012097117	0.011103782	0.317839807	0.04376067
Po Kin Road	22	LD	0.18362	50	30	N	0200-0300	100	0.011599299	0.010645457	0.300403418	0.044591092
Po Kin Road	22	LD	0.18362	50	30	N	0300-0400	50	0.011820294	0.010844854	0.305571585	0.042839884
Po Kin Road	22	LD	0.18362	50	30	N	0400-0500	50	0.00910208	0.008341745	0.26214849	0.023153342
Po Kin Road	22	LD	0.18362	50	30	N	0500-0600	50	0.05078948	0.046700153	1.062041897	0.064044311
Po Kin Road	22	LD	0.18362	50	30	N	0600-0700	100	0.053245806	0.048964404	1.112085946	0.078822933
Po Kin Road	22	LD	0.18362	50	26	N	0700-0800	300	0.05871492	0.053966808	1.252546223	0.093884478
Po Kin Road	22	LD	0.18362	50	21	N	0800-0900	550	0.066909281	0.061569092	1.496893582	0.113229195
Po Kin Road	22	LD	0.18362	50	23	N	0900-1000	400	0.063644969	0.058534947	1.395244293	0.104899182
Po Kin Road	22	LD	0.18362	50	23	N	1000-1100	450	0.063433211	0.058340297	1.390053934	0.104482604
Po Kin Road	22	LD	0.18362	50	23	N	1100-1200	450	0.063244789	0.058166881	1.387591235	0.105247477
Po Kin Road	22	LD	0.18362	50	24	N	1200-1300	400	0.062261416	0.057251158	1.35291919	0.10068423
Po Kin Road	22	LD	0.18362	50	24	N	1300-1400	350	0.075517421	0.069450548	1.629663787	0.122249295
Po Kin Road	22	LD	0.18362	50	24	N	1400-1500	400	0.074578771	0.068586524	1.611023254	0.120539576
Po Kin Road	22	LD	0.18362	50	23	N	1500-1600	400	0.076898641	0.070733437	1.677865168	0.1258512
Po Kin Road	22	LD	0.18362	50	23	N	1600-1700	450	0.076509067	0.070375149	1.673906053	0.124718994
Po Kin Road	22	LD	0.18362	50	22	N	1700-1800	450	0.078451915	0.072174991	1.732132473	0.128334176
Po Kin Road	22	LD	0.18362	50	23	N	1800-1900	450	0.076598482	0.070456662	1.673163856	0.12449721
Po Kin Road	22	LD	0.18362	50	23	N	1900-2000	450	0.076580216	0.070439909	1.675213549	0.12545197
Po Kin Road	22	LD	0.18362	50	25	N	2000-2100	350	0.072993519	0.067108277	1.562584381	0.114239686
Po Kin Road	22	LD	0.18362	50	27	N	2100-2200	250	0.069442453	0.063904475	1.463553173	0.107185738
Po Kin Road	22	LD	0.18362	50	27	N	2200-2300	250	0.069278638	0.063753213	1.459404139	0.107737759
Po Kin Road	22	LD	0.18362	50	28	N	2300-0000	200	0.069114195	0.063592649	1.435722401	0.10264388
Pak Wo Road	23	DD	0.07982	50	40	N	0000-0100	200	0.041709883	0.038363043	0.822579895	0.074961505
Pak Wo Road	23	DD	0.07982	50	40	N	0100-0200	150	0.022177211	0.02039232	0.480268821	0.055419933
Pak Wo Road	23	DD	0.07982	50	40	N	0200-0300	100	0.022598328	0.020780429	0.485069704	0.056310319
Pak Wo Road	23	DD	0.07982	50	40	N	0300-0400	100	0.023855306	0.021936968	0.517764589	0.080201926
Pak Wo Road	23	DD	0.07982	50	40	N	0400-0500	100	0.025958719	0.023868583	0.547257427	0.053142551
Pak Wo Road	23	DD	0.07982	50	40	N	0500-0600	100	0.042439061	0.039032112	0.835831781	0.066972899
Pak Wo Road	23	DD	0.07982	50	40	N	0600-0700	150	0.041226002	0.037918092	0.813016111	0.069758963
Pak Wo Road	23	DD	0.07982	50	38	N	0700-0800	400	0.042975198	0.039528611	0.857578412	0.076207443
Pak Wo Road	23	DD	0.07982	50	35	N	0800-0900	700	0.045348127	0.041750358	0.920301854	0.082159425
Pak Wo Road	23	DD	0.07982	50	36	N	0900-1000	600	0.044578813	0.041014937	0.898461012	0.08022913
Pak Wo Road	23	DD	0.07982	50	36	N	1000-1100	600	0.044912719	0.041322209	0.904024466	0.080400831
Pak Wo Road	23	DD	0.07982	50	36	N	1100-1200	600	0.04489175	0.041303234	0.904674818	0.080884567
Pak Wo Road	23	DD	0.07982	50	37	N	1200-1300	500	0.043663885	0.040166313	0.875827584	0.077776329
Pak Wo Road	23	DD	0.07982	50	37	N	1300-1400	450	0.045182027	0.041561083	0.900719919	0.07536978
Pak Wo Road	23	DD	0.07982	50	37	N	1400-1500	550	0.04543463	0.041793762	0.904549933	0.076204096
Pak Wo Road	23	DD	0.07982	50	37	N	1500-1600	550	0.04561309	0.041957401	0.902829183	0.07605837
Pak Wo Road	23	DD	0.07982	50	36	N	1600-1700	600	0.046299507	0.042597163	0.927601645	0.078569526
Pak Wo Road	23	DD	0.07982	50	36	N	1700-1800	650	0.046187288	0.042494616	0.924554078	0.077361713
Pak Wo Road	23	DD	0.07982	50	36	N	1800-1900	600	0.046095281	0.042409707	0.923892445	0.077589194
Pak Wo Road	23	DD	0.07982	50	36	N	1900-2000	550	0.045992654	0.042315238	0.921258609	0.077657929
Pak Wo Road	23	DD	0.07982	50	38	N	2000-2100	450	0.044770164	0.041180313	0.886801652	0.073252817
Pak Wo Road	23	DD	0.07982	50	39	N	2100-2200	350	0.044362436	0.040808078	0.874088913	0.073706169
Pak Wo Road	23	DD	0.07982	50	39	N	2200-2300	350	0.044189625	0.040650179	0.872182548	0.074033155
Pak Wo Road	23	DD	0.07982	50	39	N	2300-0000	300	0.04361451	0.040121091	0.861677668	0.071012207
Pak Wo Road	24	DD	0.06463	50	40	N	0000-0100	150	0.057403369	0.052801514	1.094392802	0.081474118
Pak Wo Road	24	DD	0.06463	50	40	N	0100-0200	100	0.023201043	0.021334832	0.499137881	0.058977098
Pak Wo Road	24	DD	0.06463	50	40	N	0200-0300	100	0.024869128	0.022867732	0.530332021	0.050887216
Pak Wo Road	24	DD	0.06463	50	40	N	0300-0400	50	0.027221877	0.025030771	0.579964801	0.053293443
Pak Wo Road	24	DD	0.06463	50	40	N	0400-0500	50	0.031710257	0.02916046	0.647136261	0.060646487
Pak Wo Road	24	DD	0.06463	50	40	N	0500-0600	50	0.05377594	0.049463397	1.032441829	0.074071989
Pak Wo Road	24	DD	0.06463	50	40	N	0600-0700	100	0.056031999	0.051539982	1.066537552	0.07504289
Pak Wo Road	24	DD	0.06463	50	39	N	0700-0800	250	0.057736101	0.05311392	1.110437929	0.082590375
Pak Wo Road	24	DD	0.06463	50	37	N	0800-0900	450	0.059362247	0.054601115	1.15464706	0.086415062
Pak Wo Road	24	DD	0.06463	50	37	N	0900-1000	500	0.0593088	0.054552304	1.153578294	0.086871778
Pak Wo Road	24	DD	0.06463	50	37	N	1000-1100	450	0.059031317	0.054297142	1.150695927	0.086724828
Pak Wo Road	24	DD	0.06463	50	38	N	1100-1200	400	0.058419123	0.053739762	1.129093091	0.085428293
Pak Wo Road	24	DD	0.06463	50	38	N	1200-1300	350	0.058692727	0.053991544	1.134934012	0.086116947
Pak Wo Road	24	DD	0.06463	50	39	N	1300-1400	350	0.045479852	0.041838824	0.891282726	0.067388898
Pak Wo Road	24	DD	0.06463	50	38	N	1400-1500	350	0.046069999	0.042378823	0.907626258	0.069204818
Pak Wo Road	24	DD	0.06463	50	38	N	1500-1600	400	0.04642304	0.042703283	0.912463302	0.069350898

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Pak Wo Road	24	DD	0.06463	50	39	N	2000-2100	300	0.045352634	0.041722034	0.888573604	0.066972738
Pak Wo Road	24	DD	0.06463	50	39	N	2100-2200	250	0.045547718	0.041901025	0.893633849	0.070278701
Pak Wo Road	24	DD	0.06463	50	39	N	2200-2300	250	0.045866819	0.042194296	0.900384258	0.070896399
Pak Wo Road	24	DD	0.06463	50	40	N	2300-0000	250	0.044880597	0.041281154	0.873608717	0.06492142
Pak Wo Road	25/26	DD	0.11311	50	39	N	0000-0100	300	0.084429244	0.077671641	1.571584259	0.107387993
Pak Wo Road	25/26	DD	0.11311	50	40	N	0100-0200	200	0.027196256	0.02501071	0.573804973	0.06024749
Pak Wo Road	25/26	DD	0.11311	50	40	N	0200-0300	100	0.030036684	0.027625452	0.623683186	0.063015248
Pak Wo Road	25/26	DD	0.11311	50	40	N	0300-0400	100	0.033044773	0.030392365	0.675680761	0.064454501
Pak Wo Road	25/26	DD	0.11311	50	40	N	0400-0500	100	0.038340239	0.035264654	0.753229882	0.070088018
Pak Wo Road	25/26	DD	0.11311	50	40	N	0500-0600	100	0.083156478	0.076497809	1.532804316	0.103702764
Pak Wo Road	25/26	DD	0.11311	50	40	N	0600-0700	200	0.082887195	0.07624845	1.537092316	0.103230486
Pak Wo Road	25/26	DD	0.11311	50	36	N	0700-0800	550	0.089168531	0.082026011	1.698551935	0.117480342
Pak Wo Road	25/26	DD	0.11311	50	32	N	0800-0900	900	0.094228926	0.086662531	1.854605531	0.127902808
Pak Wo Road	25/26	DD	0.11311	50	32	N	0900-1000	850	0.094851797	0.08723616	1.855891382	0.128024649
Pak Wo Road	25/26	DD	0.11311	50	32	N	1000-1100	850	0.094620357	0.087023285	1.861428799	0.12820763
Pak Wo Road	25/26	DD	0.11311	50	33	N	1100-1200	850	0.093071414	0.085579945	1.816492056	0.125133825
Pak Wo Road	25/26	DD	0.11311	50	34	N	1200-1300	700	0.090871528	0.083631814	1.758979316	0.122227134
Pak Wo Road	25/26	DD	0.11311	50	35	N	1300-1400	650	0.073126975	0.067302691	1.420150712	0.101152526
Pak Wo Road	25/26	DD	0.11311	50	34	N	1400-1500	750	0.074302896	0.068389208	1.454377634	0.103655378
Pak Wo Road	25/26	DD	0.11311	50	34	N	1500-1600	750	0.074451444	0.068525829	1.456081677	0.105256511
Pak Wo Road	25/26	DD	0.11311	50	33	N	1600-1700	850	0.07558504	0.069490576	1.489902414	0.107857482
Pak Wo Road	25/26	DD	0.11311	50	33	N	1700-1800	850	0.075603949	0.069507868	1.490094347	0.107361382
Pak Wo Road	25/26	DD	0.11311	50	32	N	1800-1900	1000	0.076771601	0.070594763	1.525737944	0.10985247
Pak Wo Road	25/26	DD	0.11311	50	34	N	1900-2000	800	0.074731208	0.068783443	1.463384659	0.105635272
Pak Wo Road	25/26	DD	0.11311	50	35	N	2000-2100	650	0.073104677	0.06728223	1.420054381	0.101846893
Pak Wo Road	25/26	DD	0.11311	50	37	N	2100-2200	500	0.071455035	0.065722656	1.365336397	0.096829907
Pak Wo Road	25/26	DD	0.11311	50	37	N	2200-2300	500	0.071411212	0.065681714	1.364920865	0.097327782
Pak Wo Road	25/26	DD	0.11311	50	38	N	2300-0000	400	0.070270091	0.064643478	1.331886971	0.095059983
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0000-0100	300	0.043819238	0.040051249	1.036780528	0.140851502
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0100-0200	200	0.026807334	0.024374962	0.704344384	0.122287844
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0200-0300	200	0.025628392	0.023275099	0.663782001	0.10868648
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0300-0400	100	0.025611243	0.023269393	0.657588014	0.109134476
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0400-0500	100	0.025992781	0.023623259	0.681827224	0.117184395
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0500-0600	100	0.041576453	0.037973229	0.979819378	0.129486473
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0600-0700	200	0.042788507	0.039093821	0.988068642	0.116893522
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	0700-0800	550	0.043885145	0.040118895	1.042039361	0.139887752
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	0800-0900	950	0.045809288	0.041922452	1.085409059	0.141823839
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	0900-1000	850	0.044658734	0.040844675	1.061864931	0.142062679
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1000-1100	850	0.044552949	0.040743819	1.059167731	0.141445323
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1100-1200	800	0.044733213	0.040915544	1.063293747	0.140795606
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1200-1300	700	0.045199435	0.041342262	1.071665913	0.141341962
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	1300-1400	700	0.060956917	0.055830567	1.368635254	0.150740577
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1400-1500	750	0.06044683	0.055380304	1.3682075	0.153929351
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1500-1600	800	0.062030608	0.056838942	1.397607371	0.15514777
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1600-1700	800	0.062122279	0.056924612	1.055079852	0.15702055
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1700-1800	900	0.061839407	0.056662606	1.395793247	0.153550886
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	1800-1900	900	0.060641871	0.055572969	1.38167498	0.15618185
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1900-2000	800	0.061648549	0.056487169	1.391622336	0.153656381
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2000-2100	600	0.060504258	0.055418153	1.361030836	0.151933736
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2100-2200	500	0.060823948	0.055704978	1.370392223	0.155342186
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2200-2300	500	0.060487724	0.055406874	1.362854947	0.154331323
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	2300-0000	400	0.060556799	0.055452424	1.345160058	0.146197617
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0000-0100	300	0.035804588	0.032675904	0.8754992	0.124302257
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0100-0200	200	0.026803324	0.024379198	0.707835915	0.121105282
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0200-0300	200	0.025358505	0.023027576	0.651326031	0.10652671
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0300-0400	100	0.02523859	0.022946681	0.652375938	0.105133891
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0400-0500	100	0.025502498	0.023194814	0.674309509	0.113502959
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0500-0600	100	0.031785063	0.028981033	0.787327744	0.118667541
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0600-0700	200	0.034649549	0.031605196	0.833962591	0.11473556
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	0700-0800	600	0.035497672	0.032389622	0.875306647	0.12988979
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	0800-0900	1000	0.036320722	0.03318737	0.895530077	0.132199833
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	0900-1000	900	0.036141641	0.032999103	0.889405331	0.131760989
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1000-1100	900	0.036538661	0.033362453	0.899617351	0.132615297
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1100-1200	850	0.036049077	0.03291482	0.889456306	0.131754805
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1200-1300	750	0.035997802	0.032867916	0.887910656	0.131807848
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	1300-1400	700	0.037512869	0.034247112	0.918200813	0.132673534
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1400-1500	800	0.038925162	0.035564471	0.953753588	0.138118225
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1500-1600	850	0.038683222	0.035339078	0.945511606	0.136484707
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1600-1700	850	0.038701084	0.035356418	0.945465129	0.136362526
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1700-1800	900	0.038630032	0.03529639	0.943361716	0.135651982
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	1800-1900	950	0.039228019	0.035866518	0.959952086	0.138200625
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1900-2000	850	0.038443567	0.035122647	0.941480953	0.136708196
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2000-2100	650	0.037397523	0.034142732	0.912687199	0.130748517
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2100-2200	500	0.037973405	0.034672996	0.930455461	0.135412869
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2200-2300	500	0.037664653	0.034380265	0.917997923	0.132008493
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2300-0000	400	0.037320179	0.034071925	0.906388162	0.127891922
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0000-0100	200	0.040510305	0.037031955	1.00935099	0.144317647
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0100-0200	100	0.02897867	0.026384348	0.807331269	0.144780748
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0200-0300	100	0.029542515	0.026922447	0.845561252	0.158491021
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0300-0400	100	0.028088897	0.025600888	0.784202409	0.146759529
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0400-0500	100	0.030370035	0.027646048	0.849659948	0.159609976
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0500-0600	100	0.037514121	0.034226213	0.956726854</	

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1300-1400	450	0.036174455	0.03299169	0.806285224	0.096683433
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1400-1500	500	0.037352603	0.034076924	0.839819127	0.103658224
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1500-1600	500	0.03736209	0.034088251	0.843307262	0.105289191
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1600-1700	500	0.037334776	0.034066148	0.846595478	0.104719053
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1700-1800	550	0.037077452	0.033838246	0.833424387	0.100462965
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1800-1900	650	0.037704289	0.034409467	0.849639246	0.10267523
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1900-2000	500	0.037702959	0.034407013	0.852473364	0.106143101
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2000-2100	400	0.037576153	0.034290639	0.84412331	0.10365547
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2100-2200	300	0.036515385	0.033307774	0.810422488	0.094408847
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2200-2300	300	0.036738257	0.033520788	0.819824227	0.095876561
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2300-0000	250	0.036515623	0.033302909	0.805596583	0.091031487
Ching Shing Road	33/34	LD	0.19971	50	29	Y	0000-0100	350	0.035458729	0.032358706	0.912603199	0.148737248
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0100-0200	300	0.028141472	0.025631635	0.772158927	0.138477286
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0200-0300	200	0.027306697	0.024850977	0.737678201	0.129286471
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0300-0400	200	0.026715376	0.024305257	0.725813785	0.126113945
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0400-0500	150	0.026440889	0.024062538	0.718730479	0.124471744
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0500-0600	150	0.033262717	0.030336745	0.845230046	0.13136822
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0600-0700	250	0.03467951	0.031635289	0.877401024	0.134147363
Ching Shing Road	33/34	LD	0.19971	50	27	Y	0700-0800	750	0.036435401	0.033294285	0.9320666	0.146706703
Ching Shing Road	33/34	LD	0.19971	50	22	Y	0800-0900	1150	0.040368898	0.036889383	1.044952126	0.167516546
Ching Shing Road	33/34	LD	0.19971	50	23	Y	0900-1000	1100	0.039652966	0.036205899	1.022142863	0.163969537
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1000-1100	1100	0.039802129	0.036340941	1.025631016	0.164710689
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1100-1200	1100	0.03957036	0.036126295	1.023139865	0.164134579
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1200-1300	900	0.037976248	0.03463852	0.977503991	0.156793833
Ching Shing Road	33/34	LD	0.19971	50	26	Y	1300-1400	850	0.033857423	0.030823035	0.815262933	0.116303106
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1400-1500	950	0.03475569	0.031651188	0.837104858	0.121043995
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1500-1600	1000	0.03547138	0.032326717	0.856899653	0.124142335
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1600-1700	1050	0.03562064	0.032468256	0.86199498	0.12521583
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1700-1800	1100	0.03622062	0.033025426	0.87741737	0.127977768
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1800-1900	1200	0.036091805	0.032906083	0.872902181	0.12589509
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1900-2000	1000	0.035382391	0.03224975	0.855427773	0.123960006
Ching Shing Road	33/34	LD	0.19971	50	26	Y	2000-2100	800	0.033737681	0.030715043	0.812514244	0.115380608
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2100-2200	650	0.033021746	0.030144155	0.799193074	0.116087601
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2200-2300	650	0.033325551	0.030418354	0.808380658	0.117835296
Ching Shing Road	33/34	LD	0.19971	50	28	Y	2300-0000	550	0.032496749	0.029630477	0.77761258	0.109881095
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0000-0100	300	0.045944401	0.041963477	0.874447146	0.054777593
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0100-0200	200	0.018423534	0.016616238	0.336395153	0.024321223
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0200-0300	150	0.017344742	0.015637267	0.300797502	0.015928445
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0300-0400	100	0.017679085	0.015921537	0.302205909	0.015815031
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0400-0500	100	0.017532585	0.015775616	0.299414029	0.012838388
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0500-0600	100	0.044271642	0.040406053	0.826814224	0.041707167
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0600-0700	200	0.044442708	0.040585315	0.841055467	0.050650795
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	0700-0800	550	0.046227161	0.042274595	0.895392374	0.056527947
Ping Kong Road	35a/36a	LD	0.08788	50	22	Y	0800-0900	1150	0.050546134	0.046216159	1.017971334	0.064729622
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	0900-1000	800	0.049042044	0.044805999	0.970712756	0.061221936
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	1000-1100	900	0.049316179	0.045057015	0.977683125	0.061926013
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1100-1200	800	0.047995486	0.043820398	0.943785746	0.059694739
Ping Kong Road	35a/36a	LD	0.08788	50	26	Y	1200-1300	700	0.047159768	0.043045643	0.920560296	0.058216594
Ping Kong Road	35a/36a	LD	0.08788	50	26	Y	1300-1400	650	0.066479583	0.060848265	1.319697326	0.080604946
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1400-1500	700	0.068416921	0.06263483	1.367419771	0.08186689
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1500-1600	800	0.068097459	0.062343456	1.359527162	0.080937356
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	1600-1700	800	0.069577423	0.063724824	1.402103404	0.083376269
Ping Kong Road	35a/36a	LD	0.08788	50	23	Y	1700-1800	900	0.07087651	0.064933088	1.447191467	0.088904787
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1800-1900	650	0.067106376	0.061428156	1.341026805	0.081247536
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	1900-2000	800	0.069584237	0.063734239	1.401774065	0.083522857
Ping Kong Road	35a/36a	LD	0.08788	50	26	Y	2000-2100	600	0.067454475	0.061747938	1.337395141	0.081754439
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	2100-2200	500	0.065935769	0.060426094	1.297369676	0.079592673
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	2200-2300	450	0.065560985	0.060082731	1.290059771	0.079449101
Ping Kong Road	35a/36a	LD	0.08788	50	28	Y	2300-0000	400	0.064187758	0.058802498	1.247068201	0.073137227
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0000-0100	150	0.061500884	0.056299735	1.15803441	0.057831352
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0100-0200	100	0.017194289	0.015489231	0.294379218	0.012553262
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0200-0300	100	0.017501813	0.01574381	0.304764453	0.012993651
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0300-0400	100	0.017275519	0.015550705	0.302978149	0.012852162
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0400-0500	100	0.017654528	0.015879867	0.300230202	0.012909908
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0500-0600	100	0.063615899	0.058220547	1.207036349	0.062550024
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0600-0700	100	0.063291116	0.057934513	1.193596236	0.060022917
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	0700-0800	250	0.063403069	0.058050311	1.229993849	0.075819811
Ping Kong Road	35b/36b	LD	0.13047	50	25	Y	0800-0900	600	0.068140053	0.062374978	1.362250915	0.082169826
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	0900-1000	450	0.066320779	0.060769649	1.306149063	0.079086139
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1000-1100	450	0.066130982	0.060596604	1.301754887	0.078866246
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1100-1200	400	0.066973131	0.061377544	1.31913271	0.080509772
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1200-1300	350	0.064574785	0.059158927	1.263572617	0.078152588
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1300-1400	300	0.097841385	0.089808889	1.930084713	0.114338861
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1400-1500	350	0.099032418	0.090906309	1.952649197	0.114073621
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1500-1600	350	0.101256906	0.092950436	2.012866016	0.116602491
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1600-1700	400	0.099604668	0.091439938	1.981095355	0.114877115
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1700-1800	450	0.100694904	0.092434263	2.009268769	0.121296253
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1800-1900	300	0.098069068	0.090019517	1.934590504	0.11462723
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1900-2000	350	0.101147311	0.092852982	2.009406727	0.116397019
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	2000-2100	300	0.098267143	0.090203295	1.941563781	0.116068638
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	2100-2200	200	0.096503509	0.088562438	1.894217098	0.117305032
Ping Kong Road	35b/36b	LD										

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0600-0700	100	0.018483551	0.016657764	0.28503661	0.015701399
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0700-0800	250	0.020162672	0.018206941	0.349089544	0.034002431
Ping Kong Road	35d/36d	LD	0.05136	50	28	Y	0800-0900	550	0.020447451	0.018497604	0.342426152	0.032454302
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	0900-1000	400	0.020120779	0.018174149	0.350869102	0.034431707
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1000-1100	400	0.020082254	0.018140822	0.349279142	0.034199725
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1100-1200	400	0.020095388	0.018160396	0.34861094	0.034924956
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1200-1300	350	0.020168538	0.018207368	0.347754077	0.036505708
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1300-1400	300	0.02076618	0.018778659	0.353580259	0.041062045
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1400-1500	350	0.020906684	0.018922117	0.344380856	0.039133437
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1500-1600	350	0.021559859	0.019524341	0.372181512	0.047794865
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1600-1700	350	0.021567204	0.019524959	0.37074563	0.046820788
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1700-1800	450	0.021395842	0.019363373	0.36308175	0.044471543
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1800-1900	350	0.020662662	0.018683068	0.360448646	0.041471188
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1900-2000	350	0.021723981	0.019663188	0.373264201	0.04748862
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2000-2100	300	0.020848574	0.018859463	0.35851002	0.04263142
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2100-2200	250	0.021689419	0.019614193	0.37278839	0.048385357
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2200-2300	250	0.021568768	0.019513912	0.372487454	0.048645956
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2300-0000	200	0.019522563	0.017618781	0.3078744	0.029218228
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0000-0100	100	0.01706095	0.015369151	0.299756894	0.01267036
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0100-0200	100	0.01808034	0.016250585	0.296172323	0.01294466
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0200-0300	100	0.019020609	0.017017206	0.339642419	0.014657217
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0300-0400	100	0.020188746	0.017969537	0.393674186	0.016785775
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0400-0500	100	0.01426001	0.012884277	0.373200566	0.013900029
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0500-0600	100	0.018089213	0.016395819	0.457290855	0.035881322
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0600-0700	100	0.020945604	0.018873812	0.402687404	0.033097318
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0700-0800	100	0.02042857	0.018499557	0.424275347	0.044880221
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0800-0900	150	0.021813741	0.019765687	0.466209323	0.060010167
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0900-1000	100	0.022636957	0.02055487	0.500617363	0.071764495
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1000-1100	100	0.022636957	0.02055487	0.500617363	0.071764495
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1100-1200	100	0.022873748	0.020763347	0.511626162	0.073465517
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1200-1300	100	0.023586394	0.021403222	0.517798999	0.078825278
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1300-1400	100	0.02349899	0.021306714	0.502237477	0.063937435
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1400-1500	100	0.023268504	0.021125382	0.503482247	0.064426978
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1500-1600	100	0.023069611	0.020958113	0.493436564	0.063408157
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1600-1700	100	0.02299098	0.020888943	0.48999006	0.062946359
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1700-1800	100	0.022909411	0.02083386	0.495246125	0.063885793
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1800-1900	100	0.022987432	0.020897434	0.502337028	0.066322787
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1900-2000	100	0.023069611	0.020958113	0.493436564	0.063408157
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2000-2100	100	0.022872119	0.020843664	0.486225846	0.067652514
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2100-2200	100	0.022985426	0.020939597	0.520068048	0.072656673
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2200-2300	100	0.02331099	0.021236706	0.512731303	0.073173451
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2300-0000	100	0.018900832	0.017089465	0.376235412	0.042389452
Po Ping Road	37/38	LD	0.09988	50	30	Y	0000-0100	200	0.075645947	0.06932398	1.49696177	0.097690986
Po Ping Road	37/38	LD	0.09988	50	30	Y	0100-0200	150	0.019667674	0.017785611	0.413815114	0.043383133
Po Ping Road	37/38	LD	0.09988	50	30	Y	0200-0300	100	0.020090753	0.018159164	0.411142633	0.063408157
Po Ping Road	37/38	LD	0.09988	50	30	Y	0300-0400	100	0.021204273	0.019143989	0.447112151	0.044643695
Po Ping Road	37/38	LD	0.09988	50	30	Y	0400-0500	100	0.021735513	0.019647471	0.441267636	0.048855193
Po Ping Road	37/38	LD	0.09988	50	30	Y	0500-0600	100	0.076989576	0.070536018	1.509883175	0.098076263
Po Ping Road	37/38	LD	0.09988	50	30	Y	0600-0700	200	0.075182696	0.068922264	1.494727558	0.096743628
Po Ping Road	37/38	LD	0.09988	50	30	Y	0700-0800	400	0.07557333	0.069271615	1.507857248	0.10734086
Po Ping Road	37/38	LD	0.09988	50	28	Y	0800-0900	800	0.073852675	0.067710474	1.496635098	0.107921891
Po Ping Road	37/38	LD	0.09988	50	29	Y	0900-1000	650	0.07557781	0.06927933	1.516849526	0.106657282
Po Ping Road	37/38	LD	0.09988	50	29	Y	1000-1100	650	0.07538227	0.069100727	1.512379878	0.106339883
Po Ping Road	37/38	LD	0.09988	50	29	Y	1100-1200	650	0.07547019	0.069184664	1.516431993	0.107587649
Po Ping Road	37/38	LD	0.09988	50	29	Y	1200-1300	550	0.074767857	0.068533004	1.512147371	0.111086077
Po Ping Road	37/38	LD	0.09988	50	29	Y	1300-1400	500	0.078060392	0.071571195	1.609638101	0.127701024
Po Ping Road	37/38	LD	0.09988	50	29	Y	1400-1500	550	0.07831467	0.071812287	1.610456057	0.123898955
Po Ping Road	37/38	LD	0.09988	50	29	Y	1500-1600	600	0.077687974	0.071230499	1.604447628	0.127926602
Po Ping Road	37/38	LD	0.09988	50	29	Y	1600-1700	600	0.077543002	0.071099388	1.598408227	0.126154746
Po Ping Road	37/38	LD	0.09988	50	29	Y	1700-1800	650	0.078371078	0.071866517	1.618263963	0.12874466
Po Ping Road	37/38	LD	0.09988	50	29	Y	1800-1900	600	0.076174891	0.069838804	1.571121969	0.124487717
Po Ping Road	37/38	LD	0.09988	50	29	Y	1900-2000	600	0.07737254	0.070944505	1.597258608	0.127016563
Po Ping Road	37/38	LD	0.09988	50	30	Y	2000-2100	450	0.077731641	0.071268229	1.586685496	0.12521257
Po Ping Road	37/38	LD	0.09988	50	30	Y	2100-2200	350	0.077704491	0.071236835	1.589929574	0.125106584
Po Ping Road	37/38	LD	0.09988	50	30	Y	2200-2300	350	0.077953427	0.071481721	1.59440964	0.126602443
Po Ping Road	37/38	LD	0.09988	50	30	Y	2300-0000	300	0.076729178	0.070349375	1.576348841	0.12652568
Po Ping Road	39/40	LD	0.04557	50	30	Y	0000-0100	200	0.05893116	0.05394084	1.18149109	0.082473588
Po Ping Road	39/40	LD	0.04557	50	30	Y	0100-0200	100	0.020151109	0.018219475	0.428675975	0.04797428
Po Ping Road	39/40	LD	0.04557	50	30	Y	0200-0300	100	0.020308202	0.018361513	0.422668732	0.040991222
Po Ping Road	39/40	LD	0.04557	50	30	Y	0300-0400	100	0.020802332	0.018832849	0.450890979	0.047467541
Po Ping Road	39/40	LD	0.04557	50	30	Y	0400-0500	100	0.022173719	0.020057266	0.458946315	0.053392953
Po Ping Road	39/40	LD	0.04557	50	30	Y	0500-0600	100	0.060232922	0.055118478	1.191533233	0.086135461
Po Ping Road	39/40	LD	0.04557	50	30	Y	0600-0700	100	0.059281099	0.054242348	1.185629857	0.082017681
Po Ping Road	39/40	LD	0.04557	50	29	Y	0700-0800	400	0.060572917	0.055454571	1.235518221	0.099233519
Po Ping Road	39/40	LD	0.04557	50	26	Y	0800-0900	650	0.054560437	0.049867636	1.137617269	0.09600472
Po Ping Road	39/40	LD	0.04557	50	27	Y	0900-1000	550	0.06648028	0.06092407	1.370177097	0.106245017
Po Ping Road	39/40	LD	0.04557	50	27	Y	1000-1100	600	0.063052887	0.057770527	1.298435354	0.101816981
Po Ping Road	39/40	LD	0.04557	50	27	Y	1100-1200	500	0.063016324	0.057726834	1.301122379	0.103004598
Po Ping Road	39/40	LD	0.04557	50	28	Y	1200-1300	500	0.061770869	0.056574128	1.271930931	0.102624895
Po Ping Road	39/40	LD	0.04557	50	28	Y	1300-1400	400	0.04873514	0.04458265	1.057917103	0.108616633
Po Ping Road	39/40	LD	0.04557	50	28	Y	1400-1500	500	0.049082879	0.044901914	1.068756378	0.110542259
Po Ping Road	39/40	LD	0.04557	50	28	Y	1500-1600	500	0.0490302	0.044847756	1.064795203	

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Ping Road	39/40	LD	0.04557	50	30	Y	2300-0000	300	0.047784791	0.043679569	1.026948022	0.103976478
Po Ping Road	41/42	LD	0.20141	50	30	Y	0000-0100	100	0.021661111	0.019598215	0.485717026	0.060865729
Po Ping Road	41/42	LD	0.20141	50	30	Y	0100-0200	100	0.022330436	0.020215058	0.504965549	0.068058464
Po Ping Road	41/42	LD	0.20141	50	30	Y	0200-0300	100	0.021491023	0.019470808	0.490603579	0.066853137
Po Ping Road	41/42	LD	0.20141	50	30	Y	0300-0400	100	0.022730839	0.020530479	0.498866864	0.05583929
Po Ping Road	41/42	LD	0.20141	50	30	Y	0400-0500	100	0.022734888	0.020604761	0.521937313	0.06336362
Po Ping Road	41/42	LD	0.20141	50	30	Y	0500-0600	100	0.021100434	0.019072959	0.446177186	0.045087014
Po Ping Road	41/42	LD	0.20141	50	30	Y	0600-0700	100	0.02280833	0.02064292	0.509832718	0.070387015
Po Ping Road	41/42	LD	0.20141	50	30	Y	0700-0800	250	0.023633492	0.021423165	0.552734089	0.083989501
Po Ping Road	41/42	LD	0.20141	50	28	Y	0800-0900	450	0.023464632	0.021291371	0.532886537	0.0769221165
Po Ping Road	41/42	LD	0.20141	50	29	Y	0900-1000	450	0.023855546	0.021636924	0.563289208	0.085311639
Po Ping Road	41/42	LD	0.20141	50	29	Y	1000-1100	450	0.023830957	0.021615279	0.562016058	0.085100294
Po Ping Road	41/42	LD	0.20141	50	29	Y	1100-1200	400	0.023820801	0.021594854	0.556078777	0.08322022
Po Ping Road	41/42	LD	0.20141	50	29	Y	1200-1300	350	0.024032718	0.02178745	0.568672143	0.086215356
Po Ping Road	41/42	LD	0.20141	50	30	Y	1300-1400	350	0.025939946	0.023575752	0.671204209	0.114049672
Po Ping Road	41/42	LD	0.20141	50	29	Y	1400-1500	350	0.026316095	0.023923751	0.678278957	0.117938054
Po Ping Road	41/42	LD	0.20141	50	29	Y	1500-1600	350	0.026149641	0.023776926	0.675536622	0.116180092
Po Ping Road	41/42	LD	0.20141	50	29	Y	1600-1700	350	0.025993915	0.023623806	0.664368053	0.112918256
Po Ping Road	41/42	LD	0.20141	50	29	Y	1700-1800	450	0.026213786	0.023830931	0.670166944	0.115080081
Po Ping Road	41/42	LD	0.20141	50	29	Y	1800-1900	400	0.02500435	0.022713207	0.626052574	0.102081925
Po Ping Road	41/42	LD	0.20141	50	29	Y	1900-2000	350	0.026225803	0.023831427	0.671168367	0.114589263
Po Ping Road	41/42	LD	0.20141	50	30	Y	2000-2100	300	0.02450383	0.022235811	0.606710677	0.094757167
Po Ping Road	41/42	LD	0.20141	50	30	Y	2100-2200	250	0.025434234	0.023097826	0.647117659	0.106242783
Po Ping Road	41/42	LD	0.20141	50	30	Y	2200-2300	250	0.025414913	0.023094053	0.646524576	0.107399532
Po Ping Road	41/42	LD	0.20141	50	30	Y	2300-0000	200	0.024744288	0.022488721	0.630693159	0.107005334
Po Shek Wu Road	43	PD	0.03781	50	50	N	0000-0100	600	0.033226758	0.030519133	0.645902715	0.07549444
Po Shek Wu Road	43	PD	0.03781	50	50	N	0100-0200	450	0.015679565	0.014365471	0.362396492	0.064257083
Po Shek Wu Road	43	PD	0.03781	50	50	N	0200-0300	350	0.01570929	0.014392202	0.362584431	0.064965258
Po Shek Wu Road	43	PD	0.03781	50	50	N	0300-0400	300	0.015905195	0.014572739	0.364845591	0.065943723
Po Shek Wu Road	43	PD	0.03781	50	50	N	0400-0500	250	0.015728779	0.014410131	0.363675357	0.064475841
Po Shek Wu Road	43	PD	0.03781	50	50	N	0500-0600	250	0.032954859	0.030268622	0.642607985	0.075992258
Po Shek Wu Road	43	PD	0.03781	50	50	N	0600-0700	450	0.033004733	0.030314521	0.642539862	0.075004749
Po Shek Wu Road	43	PD	0.03781	50	46	N	0700-0800	1200	0.034600268	0.031804178	0.686405011	0.081590007
Po Shek Wu Road	43	PD	0.03781	50	40	N	0800-0900	1900	0.037698384	0.034674121	0.769704705	0.092357774
Po Shek Wu Road	43	PD	0.03781	50	40	N	0900-1000	1850	0.037692124	0.034668376	0.769697028	0.092457231
Po Shek Wu Road	43	PD	0.03781	50	40	N	1000-1100	1850	0.03776036	0.034731076	0.770698732	0.092540853
Po Shek Wu Road	43	PD	0.03781	50	41	N	1100-1200	1800	0.037158015	0.034253294	0.754864831	0.090532858
Po Shek Wu Road	43	PD	0.03781	50	43	N	1200-1300	1550	0.036210449	0.03328994	0.727184275	0.086764965
Po Shek Wu Road	43	PD	0.03781	50	43	N	1300-1400	1450	0.036838721	0.033868467	0.740573953	0.091090673
Po Shek Wu Road	43	PD	0.03781	50	42	N	1400-1500	1600	0.037285539	0.034288892	0.753086506	0.092649548
Po Shek Wu Road	43	PD	0.03781	50	41	N	1500-1600	1700	0.037802042	0.034843778	0.768766119	0.094773383
Po Shek Wu Road	43	PD	0.03781	50	41	N	1600-1700	1750	0.03769758	0.034747926	0.766450305	0.094455859
Po Shek Wu Road	43	PD	0.03781	50	40	N	1700-1800	1900	0.038444782	0.035361166	0.785276283	0.096847844
Po Shek Wu Road	43	PD	0.03781	50	38	N	1800-1900	2100	0.039584922	0.036405115	0.816907488	0.101376779
Po Shek Wu Road	43	PD	0.03781	50	41	N	1900-2000	1750	0.037879419	0.03491504	0.770049346	0.094627496
Po Shek Wu Road	43	PD	0.03781	50	44	N	2000-2100	1350	0.036310357	0.033362055	0.726945239	0.089118953
Po Shek Wu Road	43	PD	0.03781	50	47	N	2100-2200	1050	0.034750822	0.032002208	0.686955551	0.083922735
Po Shek Wu Road	43	PD	0.03781	50	47	N	2200-2300	1050	0.034770135	0.032020023	0.687463589	0.083843668
Po Shek Wu Road	43	PD	0.03781	50	48	N	2300-0000	850	0.034347167	0.031566655	0.674799452	0.08223706
Po Shek Wu Road	44	PD	0.04411	50	50	N	0000-0100	450	0.028029896	0.025734811	0.55513861	0.061248414
Po Shek Wu Road	44	PD	0.04411	50	50	N	0100-0200	350	0.012971683	0.011871841	0.308971903	0.051314577
Po Shek Wu Road	44	PD	0.04411	50	50	N	0200-0300	300	0.012928102	0.011831012	0.309854613	0.051781593
Po Shek Wu Road	44	PD	0.04411	50	50	N	0300-0400	200	0.012952419	0.011854364	0.309662071	0.050923861
Po Shek Wu Road	44	PD	0.04411	50	50	N	0400-0500	200	0.012700975	0.011623101	0.306099691	0.050592465
Po Shek Wu Road	44	PD	0.04411	50	50	N	0500-0600	200	0.027604418	0.025343306	0.549332161	0.060465291
Po Shek Wu Road	44	PD	0.04411	50	50	N	0600-0700	400	0.028406547	0.026081077	0.563040956	0.063274594
Po Shek Wu Road	44	PD	0.04411	50	48	N	0700-0800	1000	0.028620493	0.026292722	0.572160014	0.063818166
Po Shek Wu Road	44	PD	0.04411	50	44	N	0800-0900	1500	0.030048094	0.027600105	0.611312006	0.06884978
Po Shek Wu Road	44	PD	0.04411	50	44	N	0900-1000	1500	0.030107768	0.027654903	0.612273122	0.068867393
Po Shek Wu Road	44	PD	0.04411	50	44	N	1000-1100	1500	0.030078993	0.027628526	0.611752886	0.068862215
Po Shek Wu Road	44	PD	0.04411	50	44	N	1100-1200	1450	0.02998055	0.02753792	0.610100492	0.068717621
Po Shek Wu Road	44	PD	0.04411	50	46	N	1200-1300	1250	0.029136481	0.026774383	0.58823065	0.065976683
Po Shek Wu Road	44	PD	0.04411	50	47	N	1300-1400	1200	0.022503489	0.020742883	0.470429131	0.052989985
Po Shek Wu Road	44	PD	0.04411	50	46	N	1400-1500	1300	0.022794523	0.020936503	0.477836829	0.053571489
Po Shek Wu Road	44	PD	0.04411	50	45	N	1500-1600	1400	0.023140291	0.021262991	0.485561165	0.05464872
Po Shek Wu Road	44	PD	0.04411	50	45	N	1600-1700	1400	0.023186414	0.021305333	0.486100891	0.054298558
Po Shek Wu Road	44	PD	0.04411	50	44	N	1700-1800	1550	0.023300179	0.021390837	0.492129574	0.0554232
Po Shek Wu Road	44	PD	0.04411	50	42	N	1800-1900	1750	0.02416385	0.022218024	0.512164217	0.057950192
Po Shek Wu Road	44	PD	0.04411	50	45	N	1900-2000	1400	0.023245671	0.021359857	0.486704942	0.054623099
Po Shek Wu Road	44	PD	0.04411	50	47	N	2000-2100	1100	0.022435655	0.020680634	0.469316543	0.052165985
Po Shek Wu Road	44	PD	0.04411	50	49	N	2100-2200	850	0.02184773	0.020150934	0.453827138	0.050952781
Po Shek Wu Road	44	PD	0.04411	50	49	N	2200-2300	850	0.021931464	0.020227764	0.455776569	0.050582004
Po Shek Wu Road	44	PD	0.04411	50	50	N	2300-0000	700	0.021795893	0.019995584	0.448788025	0.049821444
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0000-0100	300	0.013072283	0.012066668	0.271465337	0.040144442
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0100-0200	250	0.010870555	0.010040601	0.23818568	0.036933238
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0200-0300	200	0.010945792	0.010110044	0.2390943	0.037277782
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0300-0400	150	0.011524706	0.010628478	0.24367541	0.037404132
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0400-0500	100	0.010223889	0.009433299	0.226009094	0.033742713
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0500-0600	100	0.012615664	0.01163324	0.262170233	0.035837371
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0600-0700	250	0.013374308	0.0123442	0.276960072	0.039474344
Fanling Highway Slip Road	45	EX	0.23927	100	95	N	0700-0800	600	0.012839491	0.011837353	0.270433828	0.03841097
Fanling Highway Slip Road	45	EX	0.23927	100	86	N	0800-0900	1050	0.012747887	0.011737525	0.269772291	0.038592391
Fanling Highway Slip Road	45	EX	0.23927	100	88	N	0900-1000	950	0.012679098	0.011680184	0.267979	

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fanling Highway Slip Roa45	EX	0.23927	100	89	N	1600-1700	900	0.01326093	0.012213955	0.278002557	0.036893052	
Fanling Highway Slip Roa45	EX	0.23927	100	88	N	1700-1800	950	0.013065121	0.012035399	0.274313956	0.036540558	
Fanling Highway Slip Roa45	EX	0.23927	100	87	N	1800-1900	1000	0.013132199	0.012096763	0.275655811	0.036566999	
Fanling Highway Slip Roa45	EX	0.23927	100	90	N	1900-2000	900	0.013047097	0.012005207	0.274147968	0.036986427	
Fanling Highway Slip Roa45	EX	0.23927	100	94	N	2000-2100	700	0.013193869	0.012151448	0.27434146	0.036251455	
Fanling Highway Slip Roa45	EX	0.23927	100	95	N	2100-2200	550	0.013145894	0.012119648	0.274516138	0.037076131	
Fanling Highway Slip Roa45	EX	0.23927	100	96	N	2200-2300	550	0.013138105	0.012097841	0.273343349	0.036350349	
Fanling Highway Slip Roa45	EX	0.23927	100	96	N	2300-0000	450	0.013233829	0.012186049	0.276032752	0.036797409	
Fanling Highway Slip Roa46	EX	0.21539	100	97	N	0000-0100	400	0.010835407	0.009884736	0.235038447	0.036263397	
Fanling Highway Slip Roa46	EX	0.21539	100	97	N	0100-0200	350	0.010594762	0.009663065	0.23252433	0.035927092	
Fanling Highway Slip Roa46	EX	0.21539	100	98	N	0200-0300	250	0.010809207	0.009984579	0.238072125	0.037711726	
Fanling Highway Slip Roa46	EX	0.21539	100	98	N	0300-0400	200	0.010799278	0.009975342	0.23553023	0.035965765	
Fanling Highway Slip Roa46	EX	0.21539	100	99	N	0400-0500	150	0.01098292	0.01013066	0.237633788	0.03625918	
Fanling Highway Slip Roa46	EX	0.21539	100	99	N	0500-0600	150	0.011008589	0.010154011	0.238641366	0.036395765	
Fanling Highway Slip Roa46	EX	0.21539	100	97	N	0600-0700	300	0.01092516	0.00996715	0.236196096	0.037143997	
Fanling Highway Slip Roa46	EX	0.21539	100	91	N	0700-0800	850	0.01044414	0.009610777	0.232722311	0.036196271	
Fanling Highway Slip Roa46	EX	0.21539	100	78	N	0800-0900	1400	0.010369084	0.009543329	0.235472101	0.036507747	
Fanling Highway Slip Roa46	EX	0.21539	100	81	N	0900-1000	1250	0.010355598	0.009529248	0.234338929	0.036394381	
Fanling Highway Slip Roa46	EX	0.21539	100	81	N	1000-1100	1250	0.010330299	0.009505783	0.234014502	0.036286072	
Fanling Highway Slip Roa46	EX	0.21539	100	82	N	1100-1200	1250	0.010346408	0.009519849	0.234097834	0.036566517	
Fanling Highway Slip Roa46	EX	0.21539	100	86	N	1200-1300	1050	0.01042974	0.009604485	0.232551673	0.036068843	
Fanling Highway Slip Roa46	EX	0.21539	100	88	N	1300-1400	1000	0.009186892	0.008467354	0.212896014	0.031095519	
Fanling Highway Slip Roa46	EX	0.21539	100	86	N	1400-1500	1100	0.009109563	0.008391112	0.212674584	0.030978086	
Fanling Highway Slip Roa46	EX	0.21539	100	84	N	1500-1600	1150	0.009054041	0.008323302	0.213721929	0.031437537	
Fanling Highway Slip Roa46	EX	0.21539	100	83	N	1600-1700	1200	0.009000626	0.008286786	0.213120421	0.031334217	
Fanling Highway Slip Roa46	EX	0.21539	100	81	N	1700-1800	1300	0.009049438	0.00832784	0.214242278	0.031506498	
Fanling Highway Slip Roa46	EX	0.21539	100	81	N	1800-1900	1350	0.009020293	0.008301077	0.213734933	0.031275154	
Fanling Highway Slip Roa46	EX	0.21539	100	84	N	1900-2000	1200	0.008966991	0.008243108	0.212257571	0.031149738	
Fanling Highway Slip Roa46	EX	0.21539	100	89	N	2000-2100	950	0.009178556	0.008458117	0.21288322	0.031126258	
Fanling Highway Slip Roa46	EX	0.21539	100	93	N	2100-2200	750	0.009305114	0.008572541	0.213382261	0.031262183	
Fanling Highway Slip Roa46	EX	0.21539	100	94	N	2200-2300	700	0.009283919	0.008553969	0.21379913	0.031420897	
Fanling Highway Slip Roa46	EX	0.21539	100	95	N	2300-0000	600	0.00925022	0.008535703	0.213250343	0.030714588	
Fanling Highway Slip Roa47	EX	0.2288	100	98	N	0000-0100	200	0.023542611	0.021698061	0.44036982	0.031581363	
Fanling Highway Slip Roa47	EX	0.2288	100	99	N	0100-0200	200	0.009505574	0.008769943	0.212648996	0.029327639	
Fanling Highway Slip Roa47	EX	0.2288	100	99	N	0200-0300	150	0.009476172	0.008743582	0.211813891	0.030408056	
Fanling Highway Slip Roa47	EX	0.2288	100	99	N	0300-0400	100	0.00829789	0.007659995	0.196300378	0.02506225	
Fanling Highway Slip Roa47	EX	0.2288	100	99	N	0400-0500	100	0.008185462	0.007554856	0.198101154	0.025974345	
Fanling Highway Slip Roa47	EX	0.2288	100	99	N	0500-0600	100	0.022587191	0.020804795	0.424895865	0.035885233	
Fanling Highway Slip Roa47	EX	0.2288	100	98	N	0600-0700	200	0.022378974	0.020627815	0.420787998	0.03752575	
Fanling Highway Slip Roa47	EX	0.2288	100	96	N	0700-0800	450	0.022745535	0.020937437	0.428981683	0.03917441	
Fanling Highway Slip Roa47	EX	0.2288	100	91	N	0800-0900	800	0.022696047	0.020883347	0.43020192	0.039087055	
Fanling Highway Slip Roa47	EX	0.2288	100	93	N	0900-1000	700	0.022803954	0.020992589	0.429368586	0.039335827	
Fanling Highway Slip Roa47	EX	0.2288	100	93	N	1000-1100	700	0.023062559	0.021230643	0.433767518	0.039424551	
Fanling Highway Slip Roa47	EX	0.2288	100	93	N	1100-1200	700	0.022741157	0.020934556	0.429102561	0.039338274	
Fanling Highway Slip Roa47	EX	0.2288	100	95	N	1200-1300	600	0.022702613	0.020912524	0.429567356	0.03936935	
Fanling Highway Slip Roa47	EX	0.2288	100	95	N	1300-1400	550	0.016627807	0.015324227	0.332511231	0.027469474	
Fanling Highway Slip Roa47	EX	0.2288	100	95	N	1400-1500	600	0.016878607	0.015555114	0.338233254	0.028178487	
Fanling Highway Slip Roa47	EX	0.2288	100	95	N	1500-1600	650	0.016938925	0.015610733	0.337552517	0.028460878	
Fanling Highway Slip Roa47	EX	0.2288	100	94	N	1600-1700	700	0.016945057	0.015602316	0.338340822	0.028357752	
Fanling Highway Slip Roa47	EX	0.2288	100	93	N	1700-1800	750	0.016907076	0.015566975	0.338064128	0.028581917	
Fanling Highway Slip Roa47	EX	0.2288	100	93	N	1800-1900	750	0.016784589	0.015454209	0.335696541	0.0281187	
Fanling Highway Slip Roa47	EX	0.2288	100	95	N	1900-2000	650	0.01670417	0.015394663	0.335024109	0.028149937	
Fanling Highway Slip Roa47	EX	0.2288	100	96	N	2000-2100	550	0.016780791	0.015450217	0.336625905	0.027844548	
Fanling Highway Slip Roa47	EX	0.2288	100	97	N	2100-2200	400	0.017340746	0.015865026	0.342125774	0.028665989	
Fanling Highway Slip Roa47	EX	0.2288	100	97	N	2200-2300	400	0.016884497	0.015445599	0.335170318	0.028524721	
Fanling Highway Slip Roa47	EX	0.2288	100	97	N	2300-0000	350	0.017079952	0.015624767	0.339616243	0.028605188	
Fanling Highway Slip Roa48	EX	0.17473	100	97	N	0000-0100	450	0.029332049	0.026913205	0.531237566	0.054642234	
Fanling Highway Slip Roa48	EX	0.17473	100	98	N	0100-0200	350	0.013039726	0.012037475	0.267557576	0.04485117	
Fanling Highway Slip Roa48	EX	0.17473	100	99	N	0200-0300	250	0.012951775	0.011943811	0.267030001	0.044389039	
Fanling Highway Slip Roa48	EX	0.17473	100	99	N	0300-0400	200	0.012591169	0.011611996	0.263366563	0.042756408	
Fanling Highway Slip Roa48	EX	0.17473	100	99	N	0400-0500	200	0.013109378	0.012088008	0.269054894	0.04425321	
Fanling Highway Slip Roa48	EX	0.17473	100	99	N	0500-0600	200	0.029937629	0.027569801	0.539239016	0.054864661	
Fanling Highway Slip Roa48	EX	0.17473	100	98	N	0600-0700	350	0.029448581	0.027132236	0.534488232	0.054492034	
Fanling Highway Slip Roa48	EX	0.17473	100	95	N	0700-0800	950	0.029310017	0.026989487	0.533067568	0.054798517	
Fanling Highway Slip Roa48	EX	0.17473	100	86	N	0800-0900	1500	0.029008989	0.026697295	0.530336269	0.054367551	
Fanling Highway Slip Roa48	EX	0.17473	100	87	N	0900-1000	1450	0.02899164	0.026687784	0.529983002	0.054351023	
Fanling Highway Slip Roa48	EX	0.17473	100	87	N	1000-1100	1450	0.028990401	0.026686545	0.529419571	0.054431141	
Fanling Highway Slip Roa48	EX	0.17473	100	88	N	1100-1200	1400	0.029075793	0.02676566	0.530993477	0.054553366	
Fanling Highway Slip Roa48	EX	0.17473	100	91	N	1200-1300	1200	0.028990063	0.026674523	0.529661874	0.054324308	
Fanling Highway Slip Roa48	EX	0.17473	100	91	N	1300-1400	1100	0.030257373	0.027840911	0.54857453	0.05965761	
Fanling Highway Slip Roa48	EX	0.17473	100	90	N	1400-1500	1250	0.030216753	0.027803011	0.547523967	0.059639762	
Fanling Highway Slip Roa48	EX	0.17473	100	89	N	1500-1600	1300	0.030106288	0.027711262	0.546295072	0.059584063	
Fanling Highway Slip Roa48	EX	0.17473	100	88	N	1600-1700	1350	0.030155856	0.02775951	0.547239724	0.059540192	
Fanling Highway Slip Roa48	EX	0.17473	100	86	N	1700-1800	1450	0.030193032	0.027785533	0.548647116	0.059771825	
Fanling Highway Slip Roa48	EX	0.17473	100	84	N	1800-1900	1650	0.030079492	0.027672042	0.548559306	0.059864603	
Fanling Highway Slip Roa48	EX	0.17473	100	88	N	1900-2000	1350	0.030242406	0.027839012	0.548221102	0.05954988	
Fanling Highway Slip Roa48	EX	0.17473	100	93	N	2000-2100	1050	0.03026851	0.02786003	0.547343334	0.059658688	
Fanling Highway Slip Roa48	EX	0.17473	100	95	N	2100-2200	850	0.030226136	0.027831963	0.546712037	0.059722176	
Fanling Highway Slip Roa48	EX	0.17473	100	95	N	2200-2300	800	0.030233507	0.027838626	0.546634901	0.059306982	
Fanling Highway Slip Roa48	EX	0.17473	100	96	N	2300-0000	650	0.030451878	0.028026227	0.549792047	0.059469188	
Fanling Highway EB	49	EX	0.49094	100	97	0000-0100	1150	0.016959814	0.015524988	0.332707764	0.045817493	
Fanling Highway EB	49	EX	0.49094	100	97	0100-0200	950	0.012489926	0.011410764	0.260292868	0.042862512	
Fanling Highway EB	49	EX	0.49094	100	98	0200-0300	750	0.012533104	0.011571376	0.26153768	0.043309137	
Fanling Highway EB	49	EX	0.49094	100	98	0300-0400	600	0.012362001	0.011414127	0.259774821	0.042945457	
Fanling Highway EB	49	EX	0.49094	100	99	0400-0500	500	0.012540298	0.011564456	0.261617777	0.043032137	
Fanling Highway EB	49	EX	0.49094	100</								

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fanling Highway EB	49	EX	0.49094	100	82	N	0900-1000	3750	0.016639925	0.015310108	0.33385719	0.04602233
Fanling Highway EB	49	EX	0.49094	100	82	N	1000-1100	3750	0.016625103	0.015296428	0.333969844	0.046081023
Fanling Highway EB	49	EX	0.49094	100	83	N	1100-1200	3650	0.016627324	0.015304781	0.333551398	0.045986844
Fanling Highway EB	49	EX	0.49094	100	87	N	1200-1300	3100	0.016742424	0.015418063	0.332604605	0.045806871
Fanling Highway EB	49	EX	0.49094	100	88	N	1300-1400	2950	0.017071181	0.01572115	0.337808419	0.045521534
Fanling Highway EB	49	EX	0.49094	100	86	N	1400-1500	3250	0.017045399	0.015690364	0.337871199	0.04551801
Fanling Highway EB	49	EX	0.49094	100	85	N	1500-1600	3400	0.017093197	0.015630496	0.338911769	0.045595693
Fanling Highway EB	49	EX	0.49094	100	84	N	1600-1700	3550	0.017024446	0.015658869	0.339426309	0.045777243
Fanling Highway EB	49	EX	0.49094	100	82	N	1700-1800	3800	0.016951043	0.015596346	0.339118811	0.045781475
Fanling Highway EB	49	EX	0.49094	100	81	N	1800-1900	3900	0.016977083	0.015620953	0.339789135	0.045761858
Fanling Highway EB	49	EX	0.49094	100	84	N	1900-2000	3500	0.017005841	0.015641778	0.339198007	0.045698466
Fanling Highway EB	49	EX	0.49094	100	89	N	2000-2100	2750	0.017170075	0.01580989	0.339266468	0.045668918
Fanling Highway EB	49	EX	0.49094	100	94	N	2100-2200	2150	0.017204467	0.015841304	0.338126828	0.045561671
Fanling Highway EB	49	EX	0.49094	100	94	N	2200-2300	2100	0.017300207	0.015929416	0.339519602	0.045464789
Fanling Highway EB	49	EX	0.49094	100	95	N	2300-0000	1750	0.01736722	0.016002303	0.340494736	0.045736768
Fanling Highway WB	50	EX	0.53938	100	97	N	0000-0100	1250	0.015960782	0.014605328	0.316325189	0.044976643
Fanling Highway WB	50	EX	0.53938	100	97	N	0100-0200	1050	0.01241633	0.011342882	0.259388401	0.042595988
Fanling Highway WB	50	EX	0.53938	100	98	N	0200-0300	800	0.012402055	0.01145066	0.259351579	0.042838162
Fanling Highway WB	50	EX	0.53938	100	98	N	0300-0400	650	0.01228599	0.011343864	0.257480218	0.042013148
Fanling Highway WB	50	EX	0.53938	100	99	N	0400-0500	550	0.012372122	0.011409959	0.258954393	0.042621899
Fanling Highway WB	50	EX	0.53938	100	99	N	0500-0600	550	0.015940745	0.014692796	0.316551994	0.045131622
Fanling Highway WB	50	EX	0.53938	100	97	N	0600-0700	1000	0.01605179	0.014689014	0.318060062	0.045024569
Fanling Highway WB	50	EX	0.53938	100	90	N	0700-0800	2600	0.015682027	0.014429684	0.315150239	0.044764434
Fanling Highway WB	50	EX	0.53938	100	75	N	0800-0900	4750	0.015539713	0.01430084	0.319107359	0.045064481
Fanling Highway WB	50	EX	0.53938	100	80	N	0900-1000	4050	0.015511533	0.014278905	0.316654075	0.044833363
Fanling Highway WB	50	EX	0.53938	100	80	N	1000-1100	4050	0.015492334	0.01426125	0.316213951	0.044875286
Fanling Highway WB	50	EX	0.53938	100	81	N	1100-1200	3950	0.015568182	0.014324594	0.317087165	0.044915182
Fanling Highway WB	50	EX	0.53938	100	85	N	1200-1300	3350	0.015680289	0.014329953	0.315749961	0.044906057
Fanling Highway WB	50	EX	0.53938	100	86	N	1300-1400	3150	0.018570526	0.017092202	0.360930717	0.052653036
Fanling Highway WB	50	EX	0.53938	100	83	N	1400-1500	3500	0.018442696	0.016975473	0.361732911	0.052855138
Fanling Highway WB	50	EX	0.53938	100	82	N	1500-1600	3700	0.018417027	0.01694422	0.361648839	0.052722673
Fanling Highway WB	50	EX	0.53938	100	81	N	1600-1700	3850	0.018472549	0.016996105	0.362882433	0.052837676
Fanling Highway WB	50	EX	0.53938	100	79	N	1700-1800	4150	0.018439252	0.016968199	0.36325123	0.052888145
Fanling Highway WB	50	EX	0.53938	100	80	N	1800-1900	3950	0.018431946	0.016966364	0.362715319	0.052830483
Fanling Highway WB	50	EX	0.53938	100	81	N	1900-2000	3750	0.018412891	0.016941226	0.361975262	0.052816787
Fanling Highway WB	50	EX	0.53938	100	87	N	2000-2100	2950	0.018599173	0.017126172	0.361160467	0.052555446
Fanling Highway WB	50	EX	0.53938	100	92	N	2100-2200	2350	0.018653407	0.017089206	0.360356423	0.052591495
Fanling Highway WB	50	EX	0.53938	100	92	N	2200-2300	2300	0.018748906	0.01717714	0.361802644	0.052917676
Fanling Highway WB	50	EX	0.53938	100	95	N	2300-0000	1900	0.018804927	0.01732425	0.362560387	0.052673443
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0000-0100	700	0.018454058	0.016919452	0.363752065	0.045068792
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0100-0200	600	0.01034216	0.009451661	0.261704022	0.03942035
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0200-0300	450	0.01052556	0.009620546	0.263118394	0.040280528
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0300-0400	350	0.010382667	0.009488628	0.262396281	0.039262844
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0400-0500	300	0.010382924	0.009488773	0.260507507	0.039381114
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0500-0600	300	0.018222377	0.016705554	0.390608582	0.044903771
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0600-0700	550	0.018627839	0.017079437	0.396231694	0.044922392
Tai Tau Leng Roundabout	51	LD	0.02892	50	45	N	0700-0800	1500	0.020071075	0.018438463	0.432631515	0.049866956
Tai Tau Leng Roundabout	51	LD	0.02892	50	39	N	0800-0900	2400	0.021971585	0.020208018	0.482462019	0.056888804
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	0900-1000	2300	0.021627813	0.019886455	0.473516899	0.054441836
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1000-1100	2300	0.021604445	0.01986497	0.473463774	0.055609643
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1100-1200	2200	0.021584184	0.019846253	0.473272262	0.05560751
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	1200-1300	1900	0.020955461	0.019266938	0.45550195	0.052960003
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1300-1400	1800	0.017499814	0.016068334	0.390002036	0.043347294
Tai Tau Leng Roundabout	51	LD	0.02892	50	42	N	1400-1500	2000	0.017751386	0.016319392	0.39631929	0.044190977
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	1500-1600	2100	0.018021659	0.016674252	0.404461654	0.04535236
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	1600-1700	2150	0.018026439	0.01667863	0.404534702	0.045198281
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1700-1800	2350	0.018290533	0.016815472	0.411091153	0.045959695
Tai Tau Leng Roundabout	51	LD	0.02892	50	38	N	1800-1900	2550	0.018996471	0.017467643	0.427418415	0.048331932
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	1900-2000	2100	0.018042967	0.01669387	0.404765096	0.045243504
Tai Tau Leng Roundabout	51	LD	0.02892	50	44	N	2000-2100	1700	0.017118785	0.01570319	0.381972713	0.042484493
Tai Tau Leng Roundabout	51	LD	0.02892	50	47	N	2100-2200	1300	0.016540307	0.015260492	0.366259078	0.046036644
Tai Tau Leng Roundabout	51	LD	0.02892	50	47	N	2200-2300	1300	0.016418334	0.015148401	0.364514887	0.04064799
Tai Tau Leng Roundabout	51	LD	0.02892	50	48	N	2300-0000	1100	0.0163786	0.015021585	0.361348004	0.03979512
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0000-0100	250	0.030128658	0.027666876	0.597603115	0.075949256
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0100-0200	200	0.016653122	0.015259558	0.378019552	0.070238483
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0200-0300	150	0.016220675	0.014862211	0.372646371	0.065149094
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0300-0400	100	0.015254795	0.013975173	0.357947878	0.061304129
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0400-0500	100	0.015300162	0.014017386	0.362548752	0.064564532
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0500-0600	100	0.028523514	0.026190979	0.575954058	0.073300904
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0600-0700	200	0.029705207	0.027276739	0.590438074	0.076345107
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0700-0800	500	0.030029635	0.027576206	0.59483934	0.074709724
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	0800-0900	750	0.03148754	0.028938564	0.633782407	0.080579983
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	0900-1000	750	0.031544172	0.028990626	0.635048559	0.080726755
Tai Tau Leng Roundabout	52	LD	0.02794	50	46	N	1000-1100	750	0.031435139	0.028890332	0.632697645	0.080406705
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1100-1200	750	0.031129718	0.028672137	0.62401208	0.078991609
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1200-1300	650	0.030604798	0.028121275	0.610763992	0.077543907
Tai Tau Leng Roundabout	52	LD	0.02794	50	49	N	1300-1400	600	0.022517877	0.020768214	0.468452245	0.059633727
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1400-1500	650	0.022635391	0.020783937	0.472168349	0.05992909
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1500-1600	700	0.022493737	0.020653532	0.470796464	0.060220944
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1600-1700	700	0.02287557	0.021083597	0.480110542	0.061433376
Tai Tau Leng Roundabout	52	LD	0.02794	50	47	N	1700-1800	800	0.022920277	0.021124732	0.480942332	0.061853753
Tai Tau Leng Roundabout	52	LD	0.02794	50	45	N	1800-1900	900	0.023636371	0.021720543	0.497639549	0.06379166
Tai Tau Leng Roundabout	52	LD	0.02794	50	48	N	1900-2000	700	0.022752133	0.020891281	0.474776243	0.060235461
Tai Tau Leng Roundabout	52	LD</										

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0200-0300	450	0.010345781	0.009455331	0.261584093	0.039571387
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0300-0400	400	0.010361842	0.009468881	0.264208322	0.039611749
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0400-0500	300	0.01003051	0.009164393	0.259115649	0.039008197
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0500-0600	300	0.017752963	0.016274008	0.384066582	0.045356206
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0600-0700	600	0.017621206	0.016152583	0.380535762	0.044380831
Tai Tau Leng Roundabout	53	LD	0.02937	50	45	N	0700-0800	1600	0.018964075	0.017419749	0.414095316	0.049187089
Tai Tau Leng Roundabout	53	LD	0.02937	50	37	N	0800-0900	2750	0.021610062	0.01988499	0.481984832	0.058633906
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	0900-1000	2450	0.020870874	0.01919529	0.463400096	0.055921501
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	1000-1100	2450	0.020788363	0.019119409	0.462048794	0.055744522
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	1100-1200	2400	0.020850564	0.019176541	0.462991934	0.056000247
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1200-1300	2050	0.020142598	0.018621462	0.445875482	0.053433295
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	1300-1400	1900	0.017438337	0.01601183	0.388052541	0.042847979
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1400-1500	2100	0.017885927	0.016549818	0.401246345	0.044404279
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	1500-1600	2250	0.018228734	0.016758469	0.409612665	0.045660308
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	1600-1700	2300	0.018170009	0.016704395	0.408385653	0.04521151
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	1700-1800	2500	0.018561272	0.017070972	0.417256727	0.046467555
Tai Tau Leng Roundabout	53	LD	0.02937	50	38	N	1800-1900	2550	0.01888747	0.017367413	0.424963602	0.047609529
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	1900-2000	2300	0.018190061	0.016722871	0.408844042	0.045389407
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	2000-2100	1800	0.017412249	0.015987722	0.38794214	0.04266939
Tai Tau Leng Roundabout	53	LD	0.02937	50	46	N	2100-2200	1400	0.016480745	0.015124277	0.366510619	0.040011639
Tai Tau Leng Roundabout	53	LD	0.02937	50	46	N	2200-2300	1400	0.016591178	0.015225875	0.368516344	0.040083448
Tai Tau Leng Roundabout	53	LD	0.02937	50	48	N	2300-0000	1150	0.016218389	0.014873992	0.357663057	0.039198792
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0000-0100	500	0.015308338	0.014023373	0.345610084	0.044439138
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0100-0200	450	0.010714996	0.009794661	0.268730482	0.041370569
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0200-0300	300	0.010509916	0.009680075	0.267365404	0.040587978
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0300-0400	250	0.010750305	0.009827186	0.27018277	0.041823294
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0400-0500	200	0.0104973	0.00959449	0.263578891	0.038629551
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0500-0600	200	0.015673594	0.014359468	0.350325301	0.043448764
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0600-0700	400	0.015865267	0.014535338	0.354451868	0.045183041
Tai Tau Leng Roundabout	54	LD	0.0411	50	44	N	0700-0800	1100	0.017123694	0.015707906	0.387864296	0.050367366
Tai Tau Leng Roundabout	54	LD	0.0411	50	35	N	0800-0900	1900	0.019956316	0.018395027	0.460314533	0.061745943
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	0900-1000	1650	0.018790894	0.017276726	0.430604111	0.057132533
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	1000-1100	1650	0.018899396	0.017376457	0.435202442	0.057061866
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	1100-1200	1600	0.018930247	0.017404782	0.433079331	0.057267911
Tai Tau Leng Roundabout	54	LD	0.0411	50	41	N	1200-1300	1400	0.017749358	0.016420475	0.406159077	0.053469618
Tai Tau Leng Roundabout	54	LD	0.0411	50	42	N	1300-1400	1300	0.017625037	0.016203857	0.397253241	0.047941762
Tai Tau Leng Roundabout	54	LD	0.0411	50	40	N	1400-1500	1450	0.01821161	0.016743229	0.412743531	0.050055507
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1500-1600	1500	0.018556283	0.017066369	0.421066913	0.051297405
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1600-1700	1550	0.018557989	0.017067785	0.421315235	0.051427601
Tai Tau Leng Roundabout	54	LD	0.0411	50	37	N	1700-1800	1700	0.019109045	0.017584417	0.435202442	0.053426519
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	1800-1900	1650	0.018878297	0.017358143	0.428763553	0.052484458
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1900-2000	1650	0.018483815	0.016999613	0.419738722	0.051250075
Tai Tau Leng Roundabout	54	LD	0.0411	50	43	N	2000-2100	1200	0.017284628	0.015870256	0.389711131	0.046903301
Tai Tau Leng Roundabout	54	LD	0.0411	50	45	N	2100-2200	950	0.016759161	0.015390495	0.376012105	0.04507639
Tai Tau Leng Roundabout	54	LD	0.0411	50	46	N	2200-2300	950	0.0166135	0.015246861	0.371577606	0.043949125
Tai Tau Leng Roundabout	54	LD	0.0411	50	47	N	2300-0000	800	0.016155512	0.014905454	0.362734937	0.043268919
Tai Tau Leng Roundabout	55	LD	0.03223	50	49	N	0000-0100	1000	0.021630678	0.01995144	0.452513957	0.053927846
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0100-0200	800	0.011729913	0.010729191	0.287688409	0.046163888
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0200-0300	600	0.011756982	0.010753942	0.288511508	0.045459832
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0300-0400	500	0.011729414	0.010728129	0.287645488	0.045857115
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0400-0500	400	0.011919606	0.010903306	0.291390239	0.046841164
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0500-0600	400	0.021543371	0.019762825	0.446330218	0.052784938
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0600-0700	800	0.021430009	0.019659231	0.444785908	0.052838256
Tai Tau Leng Roundabout	55	LD	0.03223	50	41	N	0700-0800	2050	0.024341425	0.022478786	0.521728983	0.063154778
Tai Tau Leng Roundabout	55	LD	0.03223	50	31	N	0800-0900	3450	0.029241523	0.026969242	0.651157432	0.081382498
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	0900-1000	3150	0.028165757	0.025864154	0.620245845	0.076749583
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	1000-1100	3150	0.028131365	0.025832433	0.619586786	0.076974956
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	1100-1200	3100	0.028144948	0.025844906	0.619533646	0.076776395
Tai Tau Leng Roundabout	55	LD	0.03223	50	37	N	1200-1300	2650	0.0260126	0.023934776	0.564919447	0.069206298
Tai Tau Leng Roundabout	55	LD	0.03223	50	38	N	1300-1400	2500	0.027270431	0.025077957	0.584229418	0.071164419
Tai Tau Leng Roundabout	55	LD	0.03223	50	36	N	1400-1500	2750	0.028256331	0.026003748	0.610910732	0.074187857
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1500-1600	2900	0.029353388	0.027029464	0.640219172	0.078726662
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1600-1700	3000	0.029292314	0.026973362	0.639259536	0.078762647
Tai Tau Leng Roundabout	55	LD	0.03223	50	32	N	1700-1800	3250	0.030518039	0.0280237	0.670792539	0.083209747
Tai Tau Leng Roundabout	55	LD	0.03223	50	31	N	1800-1900	3400	0.031116328	0.028693203	0.688440091	0.085501035
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1900-2000	2950	0.029252579	0.026936862	0.638377712	0.078635638
Tai Tau Leng Roundabout	55	LD	0.03223	50	39	N	2000-2100	2350	0.026812411	0.024661185	0.573247464	0.069559678
Tai Tau Leng Roundabout	55	LD	0.03223	50	42	N	2100-2200	1850	0.025714356	0.02364445	0.542150705	0.065117261
Tai Tau Leng Roundabout	55	LD	0.03223	50	43	N	2200-2300	1800	0.025185522	0.023142399	0.530102174	0.063848792
Tai Tau Leng Roundabout	55	LD	0.03223	50	45	N	2300-0000	1500	0.024628258	0.0226328	0.513656674	0.061306463
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0000-0100	400	0.007302398	0.006652481	0.203197882	0.024730081
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0100-0200	350	0.0076664	0.006987675	0.21120844	0.026947805
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0200-0300	250	0.007220708	0.006578081	0.203054811	0.025495389
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0300-0400	200	0.007531344	0.006863579	0.20950474	0.027706096
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0400-0500	150	0.007193864	0.006552911	0.199347558	0.023539649
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0500-0600	150	0.007244526	0.006599356	0.201423033	0.02383527
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0600-0700	300	0.007435652	0.006775322	0.207182392	0.026574309
Tai Tau Leng Roundabout	56	LD	0.02826	50	48	N	0700-0800	800	0.00763542	0.006972547	0.211659362	0.026625937
Tai Tau Leng Roundabout	56	LD	0.02826	50	41	N	0800-0900	1450	0.008574343	0.007993853	0.234687208	0.030174959
Tai Tau Leng Roundabout	56	LD	0.02826	50	43	N	0900-1000	1250	0.008315062	0.007614772	0.226901555	0.028863231
Tai Tau Leng Roundabout	56	LD	0.02826	50	43	N	1000-1100	1250	0.008298936	0.007600095	0.22668975	0.028807
Tai Tau Leng Roundabout	56	LD	0.02826	50	44	N	1100-1200	1200	0.008111156	0.00741523	0.224048011	0.028438605
Tai Tau Leng Roundabout	56	LD	0.02826	50	45	N	1200-1300	1050	0.008025959	0.007352884	0.221079963	0.028206827
Tai Tau Leng Roundabout	56	LD	0.02826									

Traffic Data and Composite Emission Factors

Operation (2029 Traffic x 2029 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Tai Tau Leng Roundabout	56	LD	0.02826	50	44	N	1900-2000	1150	0.006195411	0.005652129	0.186829759	0.019087673
Tai Tau Leng Roundabout	56	LD	0.02826	50	47	N	2000-2100	900	0.005724453	0.005316822	0.17692217	0.017550218
Tai Tau Leng Roundabout	56	LD	0.02826	50	49	N	2100-2200	700	0.005438826	0.005059456	0.171015443	0.016857734
Tai Tau Leng Roundabout	56	LD	0.02826	50	49	N	2200-2300	700	0.005449754	0.005069401	0.171434855	0.016916877
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	2300-0000	600	0.005412642	0.004913343	0.168430354	0.015928402
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0000-0100	850	0.015651627	0.014339384	0.347395828	0.041622577
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0100-0200	700	0.009808308	0.008959942	0.25161115	0.037009038
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0200-0300	550	0.009748263	0.008904854	0.251547355	0.036993089
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0300-0400	450	0.009761202	0.008916522	0.250252751	0.036424315
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0400-0500	350	0.009472518	0.008650948	0.245802351	0.03569385
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0500-0600	350	0.015418288	0.014124536	0.343627356	0.040547937
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0600-0700	700	0.015853165	0.014524828	0.350242999	0.041674993
Tai Tau Leng Roundabout	57	LD	0.02888	50	43	N	0700-0800	1800	0.017297213	0.015881988	0.388815998	0.047056945
Tai Tau Leng Roundabout	57	LD	0.02888	50	35	N	0800-0900	3000	0.02003556	0.018468783	0.457285699	0.056811774
Tai Tau Leng Roundabout	57	LD	0.02888	50	36	N	0900-1000	2800	0.019638101	0.018077455	0.447270977	0.055278231
Tai Tau Leng Roundabout	57	LD	0.02888	50	36	N	1000-1100	2800	0.019560804	0.018006419	0.446101981	0.055347706
Tai Tau Leng Roundabout	57	LD	0.02888	50	37	N	1100-1200	2750	0.019318646	0.017777281	0.438760267	0.053981936
Tai Tau Leng Roundabout	57	LD	0.02888	50	40	N	1200-1300	2350	0.01823559	0.016765068	0.412741294	0.050223201
Tai Tau Leng Roundabout	57	LD	0.02888	50	41	N	1300-1400	2200	0.015100732	0.013990172	0.352237572	0.04072313
Tai Tau Leng Roundabout	57	LD	0.02888	50	39	N	1400-1500	2450	0.015714681	0.01445207	0.365921985	0.042825626
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1500-1600	2550	0.016104046	0.014806673	0.374529175	0.043807132
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1600-1700	2650	0.015996735	0.014708068	0.372249909	0.043600702
Tai Tau Leng Roundabout	57	LD	0.02888	50	36	N	1700-1800	2850	0.016675282	0.015352691	0.388559758	0.045777806
Tai Tau Leng Roundabout	57	LD	0.02888	50	35	N	1800-1900	3050	0.017006662	0.015683621	0.39703701	0.046965277
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1900-2000	2600	0.015971999	0.014685151	0.371821309	0.043497478
Tai Tau Leng Roundabout	57	LD	0.02888	50	42	N	2000-2100	2050	0.015036552	0.013822189	0.347956797	0.040298424
Tai Tau Leng Roundabout	57	LD	0.02888	50	45	N	2100-2200	1600	0.014342828	0.013166075	0.330822627	0.037815239
Tai Tau Leng Roundabout	57	LD	0.02888	50	45	N	2200-2300	1600	0.014252383	0.013083049	0.329316232	0.037857243
Tai Tau Leng Roundabout	57	LD	0.02888	50	47	N	2300-0000	1300	0.013684703	0.012634815	0.317746047	0.036147733
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0000-0100	400	0.021602643	0.019817559	0.440079559	0.041542673
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0100-0200	350	0.008899833	0.008123164	0.23314124	0.032812223
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0200-0300	250	0.009026296	0.008239761	0.235663387	0.033742729
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0300-0400	200	0.008603617	0.007851217	0.227289343	0.030471995
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0400-0500	150	0.008860147	0.008086648	0.233391106	0.031731999
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0500-0600	200	0.021107947	0.019361937	0.434259624	0.041687272
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0600-0700	350	0.021350507	0.019585668	0.437911949	0.042148526
Tai Tau Leng Roundabout	58	LD	0.05305	50	46	N	0700-0800	900	0.022765989	0.020910013	0.47217749	0.045285283
Tai Tau Leng Roundabout	58	LD	0.05305	50	40	N	0800-0900	1400	0.024788178	0.022793606	0.524135242	0.051038414
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	0900-1000	1350	0.024298874	0.022444072	0.512533835	0.04098924
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1000-1100	1350	0.024486266	0.022616111	0.51571105	0.050235094
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1100-1200	1300	0.024450007	0.022583168	0.515337232	0.05003325
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1200-1300	1150	0.023820448	0.02188563	0.497444368	0.047962764
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1300-1400	1050	0.018595214	0.017061831	0.403155108	0.0378589
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1400-1500	1200	0.018961114	0.017413327	0.410568599	0.038652677
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1500-1600	1250	0.01888422	0.017342532	0.409499448	0.038829303
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1600-1700	1300	0.019108739	0.017567519	0.415084933	0.039382611
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1700-1800	1400	0.019395975	0.017940033	0.424077529	0.040444665
Tai Tau Leng Roundabout	58	LD	0.05305	50	39	N	1800-1900	1550	0.020103925	0.018491073	0.440464401	0.042025878
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1900-2000	1250	0.019224065	0.017673526	0.417334635	0.039381903
Tai Tau Leng Roundabout	58	LD	0.05305	50	45	N	2000-2100	1000	0.018331539	0.016836329	0.395471118	0.037473527
Tai Tau Leng Roundabout	58	LD	0.05305	50	47	N	2100-2200	800	0.017937169	0.016547404	0.385875485	0.036168011
Tai Tau Leng Roundabout	58	LD	0.05305	50	48	N	2200-2300	750	0.017648919	0.016189936	0.377955887	0.035774381
Tai Tau Leng Roundabout	58	LD	0.05305	50	49	N	2300-0000	650	0.017469912	0.01612479	0.3740117355	0.0347276
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0000-0100	250	0.036190493	0.033247631	0.689209422	0.073546409
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0100-0200	200	0.014684492	0.013449046	0.345224035	0.060681925
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0200-0300	150	0.015193736	0.013918154	0.349544657	0.060967873
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0300-0400	150	0.014202107	0.013005946	0.336107117	0.056339818
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0400-0500	100	0.014237512	0.013038664	0.34198251	0.059356968
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0500-0600	100	0.035218079	0.032353222	0.674956685	0.072738583
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0600-0700	200	0.036491199	0.033525774	0.692202174	0.072796809
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	0700-0800	550	0.035661792	0.032761432	0.680554305	0.073845103
Po Shek Wu Road Flyove	60	LD	0.31852	50	45	N	0800-0900	950	0.03806731	0.035000351	0.74319271	0.08057958
Po Shek Wu Road Flyove	60	LD	0.31852	50	46	N	0900-1000	850	0.037734852	0.034689313	0.733110346	0.079716747
Po Shek Wu Road Flyove	60	LD	0.31852	50	46	N	1000-1100	850	0.037585489	0.034551586	0.731023381	0.079464981
Po Shek Wu Road Flyove	60	LD	0.31852	50	47	N	1100-1200	850	0.037162956	0.034223424	0.718718305	0.077726101
Po Shek Wu Road Flyove	60	LD	0.31852	50	48	N	1200-1300	700	0.036536856	0.033580829	0.70438177	0.075882098
Po Shek Wu Road Flyove	60	LD	0.31852	50	49	N	1300-1400	650	0.035417429	0.03263373	0.677342216	0.067184125
Po Shek Wu Road Flyove	60	LD	0.31852	50	48	N	1400-1500	750	0.035842199	0.032940488	0.688597871	0.068880535
Po Shek Wu Road Flyove	60	LD	0.31852	50	47	N	1500-1600	800	0.036570476	0.033680786	0.705892252	0.071032083
Po Shek Wu Road Flyove	60	LD	0.31852	50	47	N	1600-1700	800	0.036459495	0.033578834	0.703957595	0.07061486
Po Shek Wu Road Flyove	60	LD	0.31852	50	46	N	1700-1800	900	0.036708155	0.033743759	0.71206687	0.071363398
Po Shek Wu Road Flyove	60	LD	0.31852	50	46	N	1800-1900	900	0.036825524	0.033851779	0.713906785	0.071477115
Po Shek Wu Road Flyove	60	LD	0.31852	50	47	N	1900-2000	800	0.036469586	0.033588281	0.703763411	0.070709747
Po Shek Wu Road Flyove	60	LD	0.31852	50	49	N	2000-2100	650	0.035586812	0.032789177	0.681811798	0.067608139
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	2100-2200	500	0.035183398	0.032321663	0.669502103	0.06729031
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	2200-2300	500	0.035072563	0.032219389	0.667973017	0.067215813
Po Shek Wu Road Flyove	60	LD	0.31852	50	50	N	2300-0000	400	0.034890562	0.032051228	0.664774671	0.065678359

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	01/02	RR	0.10886	50	48	N	0000-0100	300	0.006753862	0.006171625	0.162825508	0.024134897
Fan Kam Road	01/02	RR	0.10886	50	48	N	0100-0200	250	0.006106714	0.005573499	0.153984612	0.020792773
Fan Kam Road	01/02	RR	0.10886	50	49	N	0200-0300	200	0.005492739	0.005125857	0.145735868	0.017868788
Fan Kam Road	01/02	RR	0.10886	50	49	N	0300-0400	150	0.005399875	0.005039677	0.147562693	0.017702484
Fan Kam Road	01/02	RR	0.10886	50	49	N	0400-0500	100	0.005147229	0.004807996	0.142418471	0.016287615
Fan Kam Road	01/02	RR	0.10886	50	49	N	0500-0600	100	0.005667619	0.005286413	0.146475313	0.017885107
Fan Kam Road	01/02	RR	0.10886	50	48	N	0600-0700	250	0.006830548	0.006241541	0.16493109	0.024702613
Fan Kam Road	01/02	RR	0.10886	50	46	N	0700-0800	650	0.007011969	0.006416476	0.169739162	0.025873216
Fan Kam Road	01/02	RR	0.10886	50	40	N	0800-0900	950	0.007699137	0.007100868	0.190211722	0.029912561
Fan Kam Road	01/02	RR	0.10886	50	40	N	0900-1000	950	0.007737819	0.007136483	0.190940247	0.029995974
Fan Kam Road	01/02	RR	0.10886	50	40	N	1000-1100	950	0.007718586	0.007118826	0.190228174	0.02984444
Fan Kam Road	01/02	RR	0.10886	50	41	N	1100-1200	950	0.007481456	0.006883249	0.185320049	0.028768844
Fan Kam Road	01/02	RR	0.10886	50	43	N	1200-1300	800	0.007262688	0.006672067	0.178118315	0.027326999
Fan Kam Road	01/02	RR	0.10886	50	44	N	1300-1400	750	0.007672824	0.007051237	0.18578303	0.030141914
Fan Kam Road	01/02	RR	0.10886	50	42	N	1400-1500	850	0.007800511	0.007264255	0.193579713	0.031445521
Fan Kam Road	01/02	RR	0.10886	50	41	N	1500-1600	850	0.007993978	0.007355844	0.197616847	0.032347166
Fan Kam Road	01/02	RR	0.10886	50	41	N	1600-1700	950	0.007951098	0.007316466	0.197299174	0.032188965
Fan Kam Road	01/02	RR	0.10886	50	40	N	1700-1800	950	0.008100648	0.007468908	0.201261301	0.032804274
Fan Kam Road	01/02	RR	0.10886	50	37	N	1800-1900	1150	0.008810301	0.008143593	0.219142666	0.037366438
Fan Kam Road	01/02	RR	0.10886	50	41	N	1900-2000	900	0.007988904	0.007351258	0.198170154	0.032380629
Fan Kam Road	01/02	RR	0.10886	50	44	N	2000-2100	700	0.007642091	0.007022646	0.185947315	0.030201464
Fan Kam Road	01/02	RR	0.10886	50	46	N	2100-2200	550	0.007268125	0.006652003	0.176567796	0.027605682
Fan Kam Road	01/02	RR	0.10886	50	46	N	2200-2300	550	0.007316445	0.00669663	0.177511443	0.0278923
Fan Kam Road	01/02	RR	0.10886	50	47	N	2300-0000	450	0.007112723	0.006622055	0.171962805	0.026482376
Fan Kam Road	03/04	RR	0.13435	50	49	N	0000-0100	250	0.006231599	0.005804289	0.157140681	0.022276926
Fan Kam Road	03/04	RR	0.13435	50	49	N	0100-0200	200	0.005466024	0.00510084	0.147735582	0.01826595
Fan Kam Road	03/04	RR	0.13435	50	49	N	0200-0300	150	0.005262083	0.004913998	0.144466986	0.017011919
Fan Kam Road	03/04	RR	0.13435	50	49	N	0300-0400	100	0.005423175	0.005062779	0.142534593	0.017902085
Fan Kam Road	03/04	RR	0.13435	50	49	N	0400-0500	100	0.005602794	0.005224518	0.149061175	0.018972412
Fan Kam Road	03/04	RR	0.13435	50	49	N	0500-0600	100	0.00587936	0.005480806	0.148566245	0.018437216
Fan Kam Road	03/04	RR	0.13435	50	49	N	0600-0700	200	0.006287184	0.005854962	0.15937184	0.02298305
Fan Kam Road	03/04	RR	0.13435	50	47	N	0700-0800	450	0.006698342	0.006243801	0.16275432	0.023984154
Fan Kam Road	03/04	RR	0.13435	50	42	N	0800-0900	850	0.00734557	0.006849556	0.180947057	0.028058021
Fan Kam Road	03/04	RR	0.13435	50	44	N	0900-1000	700	0.007194053	0.006611187	0.174399241	0.026907694
Fan Kam Road	03/04	RR	0.13435	50	44	N	1000-1100	700	0.007167308	0.006586583	0.173807685	0.026727194
Fan Kam Road	03/04	RR	0.13435	50	45	N	1100-1200	700	0.006889326	0.006415475	0.170360647	0.025373012
Fan Kam Road	03/04	RR	0.13435	50	46	N	1200-1300	600	0.00695916	0.006367855	0.169513651	0.025667398
Fan Kam Road	03/04	RR	0.13435	50	46	N	1300-1400	600	0.007131442	0.006526587	0.170138316	0.026602914
Fan Kam Road	03/04	RR	0.13435	50	45	N	1400-1500	600	0.006920553	0.006444171	0.169955728	0.02571381
Fan Kam Road	03/04	RR	0.13435	50	45	N	1500-1600	700	0.007032077	0.006546795	0.170619	0.026184636
Fan Kam Road	03/04	RR	0.13435	50	45	N	1600-1700	700	0.006947414	0.00646899	0.170165586	0.025653456
Fan Kam Road	03/04	RR	0.13435	50	44	N	1700-1800	750	0.007135657	0.006557507	0.173581301	0.026735575
Fan Kam Road	03/04	RR	0.13435	50	44	N	1800-1900	750	0.007378277	0.006780766	0.178391521	0.02828082
Fan Kam Road	03/04	RR	0.13435	50	45	N	1900-2000	700	0.006983072	0.006501216	0.171576753	0.025908229
Fan Kam Road	03/04	RR	0.13435	50	47	N	2000-2100	550	0.007015868	0.006534158	0.168275911	0.026368455
Fan Kam Road	03/04	RR	0.13435	50	47	N	2100-2200	450	0.00680924	0.006344799	0.166290722	0.024691961
Fan Kam Road	03/04	RR	0.13435	50	48	N	2200-2300	450	0.006626047	0.00605375	0.160330197	0.023646485
Fan Kam Road	03/04	RR	0.13435	50	48	N	2300-0000	350	0.006960831	0.006362093	0.163056007	0.025478389
Fan Kam Road	05/06	RR	0.28702	50	48	N	0000-0100	300	0.005741198	0.005239099	0.143236356	0.018572731
Fan Kam Road	05/06	RR	0.28702	50	49	N	0100-0200	250	0.004891801	0.004576704	0.134382265	0.014433756
Fan Kam Road	05/06	RR	0.28702	50	49	N	0200-0300	200	0.004578479	0.004288862	0.129928432	0.012703043
Fan Kam Road	05/06	RR	0.28702	50	49	N	0300-0400	150	0.004036476	0.003790466	0.126931027	0.010073415
Fan Kam Road	05/06	RR	0.28702	50	49	N	0400-0500	100	0.004146402	0.003890686	0.128693494	0.010450734
Fan Kam Road	05/06	RR	0.28702	50	49	N	0500-0600	100	0.004717309	0.004414938	0.13487426	0.012360591
Fan Kam Road	05/06	RR	0.28702	50	49	N	0600-0700	200	0.00561855	0.005243886	0.145061134	0.018579667
Fan Kam Road	05/06	RR	0.28702	50	46	N	0700-0800	600	0.005993865	0.005479865	0.151605862	0.019965184
Fan Kam Road	05/06	RR	0.28702	50	39	N	0800-0900	1100	0.006772747	0.006250901	0.170046964	0.022776587
Fan Kam Road	05/06	RR	0.28702	50	41	N	0900-1000	950	0.006420046	0.00590543	0.162726837	0.021322382
Fan Kam Road	05/06	RR	0.28702	50	41	N	1000-1100	950	0.006398436	0.005885612	0.162648513	0.021213148
Fan Kam Road	05/06	RR	0.28702	50	42	N	1100-1200	900	0.006289914	0.005886312	0.159697476	0.021067795
Fan Kam Road	05/06	RR	0.28702	50	44	N	1200-1300	750	0.005980099	0.005494136	0.154113363	0.019564677
Fan Kam Road	05/06	RR	0.28702	50	44	N	1300-1400	750	0.006502264	0.005947377	0.164640408	0.022893606
Fan Kam Road	05/06	RR	0.28702	50	43	N	1400-1500	800	0.006729436	0.006180799	0.167431537	0.023662864
Fan Kam Road	05/06	RR	0.28702	50	43	N	1500-1600	850	0.006683111	0.006138256	0.166721801	0.023551514
Fan Kam Road	05/06	RR	0.28702	50	42	N	1600-1700	850	0.006750678	0.00630596	0.170050891	0.024086065
Fan Kam Road	05/06	RR	0.28702	50	41	N	1700-1800	950	0.006877792	0.006326633	0.172970428	0.024450822
Fan Kam Road	05/06	RR	0.28702	50	41	N	1800-1900	950	0.006950793	0.006390406	0.174244825	0.025018415
Fan Kam Road	05/06	RR	0.28702	50	42	N	1900-2000	850	0.006756451	0.006311404	0.169478131	0.024253311
Fan Kam Road	05/06	RR	0.28702	50	45	N	2000-2100	650	0.006394485	0.005962529	0.160422861	0.022586923
Fan Kam Road	05/06	RR	0.28702	50	47	N	2100-2200	550	0.006168553	0.005757593	0.156501913	0.02171317
Fan Kam Road	05/06	RR	0.28702	50	47	N	2200-2300	550	0.006153597	0.005743728	0.155861201	0.021531895
Fan Kam Road	05/06	RR	0.28702	50	47	N	2300-0000	450	0.006104508	0.005698971	0.154328452	0.021081239
Fan Kam Road	07/08	RR	1.94868	50	47	N	0000-0100	400	0.005764308	0.005386579	0.150995526	0.019901405
Fan Kam Road	07/08	RR	1.94868	50	48	N	0100-0200	350	0.005209985	0.00474776	0.139733902	0.015611908
Fan Kam Road	07/08	RR	1.94868	50	48	N	0200-0300	300	0.0053247	0.004853894	0.138357235	0.016010028
Fan Kam Road	07/08	RR	1.94868	50	49	N	0300-0400	200	0.004925341	0.0046069	0.136571265	0.014861535
Fan Kam Road	07/08	RR	1.94868	50	49	N	0400-0500	200	0.00457617	0.004287284	0.130429494	0.013029016
Fan Kam Road	07/08	RR	1.94868	50	49	N	0500-0600	200	0.005178225	0.00483996	0.140967953	0.01756607
Fan Kam Road	07/08	RR	1.94868	50	48	N	0600-0700	350	0.005754547	0.005250738	0.148301463	0.019205658
Fan Kam Road	07/08	RR	1.94868	50	42	N	0700-0800	850	0.00628433	0.005880069	0.164036997	0.022371756
Fan Kam Road	07/08	RR	1.94868	50	32	N	0800-0900	1500	0.008277991	0.007588097	0.20529258	0.03095545
Fan Kam Road	07/08	RR	1.94868	50	34	N	0900-1000	1350	0.007805926	0.0072369	0.195675596	0.029107202
Fan Kam Road	07/08	RR	1.94868	50	34	N	1000-1100	1350	0.007827741	0.007257053	0.195842868	0.0

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	07/08	RR	1.94868	50	35	N	1100-1200	1350	0.007671952	0.007103876	0.191452525	0.028481283
Fan Kam Road	07/08	RR	1.94868	50	38	N	1200-1300	1150	0.006974819	0.006445029	0.177783315	0.025299777
Fan Kam Road	07/08	RR	1.94868	50	39	N	1300-1400	1050	0.006880545	0.006349666	0.176158853	0.02471346
Fan Kam Road	07/08	RR	1.94868	50	37	N	1400-1500	1150	0.007277745	0.006735481	0.184562779	0.026667039
Fan Kam Road	07/08	RR	1.94868	50	36	N	1500-1600	1250	0.007511949	0.00694552	0.188929349	0.027570307
Fan Kam Road	07/08	RR	1.94868	50	35	N	1600-1700	1250	0.007648192	0.007081449	0.193467185	0.028165982
Fan Kam Road	07/08	RR	1.94868	50	33	N	1700-1800	1350	0.008041165	0.007480023	0.202761513	0.030405077
Fan Kam Road	07/08	RR	1.94868	50	33	N	1800-1900	1400	0.008021133	0.007461556	0.202884624	0.030154848
Fan Kam Road	07/08	RR	1.94868	50	35	N	1900-2000	1250	0.007667719	0.00709953	0.193011215	0.0284348
Fan Kam Road	07/08	RR	1.94868	50	40	N	2000-2100	1000	0.006667174	0.006153528	0.172951034	0.023767661
Fan Kam Road	07/08	RR	1.94868	50	44	N	2100-2200	800	0.006266118	0.005757734	0.162257772	0.022440661
Fan Kam Road	07/08	RR	1.94868	50	44	N	2200-2300	750	0.006277699	0.00576824	0.162137501	0.022425466
Fan Kam Road	07/08	RR	1.94868	50	46	N	2300-0000	650	0.005982017	0.005468599	0.154894583	0.020440138
Fan Kam Road	09/10	RR	0.27529	50	49	N	0000-0100	650	0.006964796	0.006474631	0.178290997	0.032754504
Fan Kam Road	09/10	RR	0.27529	50	49	N	0100-0200	550	0.005918633	0.005515554	0.152015072	0.02012582
Fan Kam Road	09/10	RR	0.27529	50	49	N	0200-0300	400	0.00596896	0.00556215	0.150597088	0.020191892
Fan Kam Road	09/10	RR	0.27529	50	49	N	0300-0400	300	0.005906526	0.005505445	0.150799266	0.019865815
Fan Kam Road	09/10	RR	0.27529	50	50	N	0400-0500	250	0.005778353	0.00526251	0.148494947	0.019079761
Fan Kam Road	09/10	RR	0.27529	50	49	N	0500-0600	300	0.007023386	0.006529173	0.17949622	0.03322415
Fan Kam Road	09/10	RR	0.27529	50	49	N	0600-0700	500	0.006973968	0.006483033	0.178861012	0.033090792
Fan Kam Road	09/10	RR	0.27529	50	47	N	0700-0800	1300	0.00721973	0.006714879	0.185830237	0.034600197
Fan Kam Road	09/10	RR	0.27529	50	44	N	0800-0900	2300	0.007608694	0.006996159	0.196558153	0.036986327
Fan Kam Road	09/10	RR	0.27529	50	45	N	0900-1000	2050	0.007454941	0.006935838	0.193082478	0.036127703
Fan Kam Road	09/10	RR	0.27529	50	45	N	1000-1100	2050	0.007436384	0.0069189	0.192675443	0.035995673
Fan Kam Road	09/10	RR	0.27529	50	46	N	1100-1200	1950	0.00736331	0.006742617	0.188971473	0.035123735
Fan Kam Road	09/10	RR	0.27529	50	46	N	1200-1300	1650	0.0074021	0.006778362	0.189564988	0.035360271
Fan Kam Road	09/10	RR	0.27529	50	47	N	1300-1400	1600	0.006245293	0.005822751	0.169020699	0.029269522
Fan Kam Road	09/10	RR	0.27529	50	46	N	1400-1500	1750	0.006387529	0.005845276	0.171639201	0.029781093
Fan Kam Road	09/10	RR	0.27529	50	46	N	1500-1600	1850	0.006406635	0.005862899	0.170983092	0.029745495
Fan Kam Road	09/10	RR	0.27529	50	46	N	1600-1700	1950	0.006427932	0.005882544	0.171920833	0.030011264
Fan Kam Road	09/10	RR	0.27529	50	46	N	1700-1800	2050	0.006410914	0.005866866	0.171485591	0.029916845
Fan Kam Road	09/10	RR	0.27529	50	45	N	1800-1900	2100	0.006473137	0.006037899	0.174711653	0.030581182
Fan Kam Road	09/10	RR	0.27529	50	46	N	1900-2000	1850	0.006420347	0.005875506	0.171369917	0.029925507
Fan Kam Road	09/10	RR	0.27529	50	47	N	2000-2100	1500	0.006238347	0.005816535	0.168547183	0.029221759
Fan Kam Road	09/10	RR	0.27529	50	48	N	2100-2200	1150	0.006241656	0.00570156	0.165840278	0.028794383
Fan Kam Road	09/10	RR	0.27529	50	48	N	2200-2300	1100	0.006254265	0.005713061	0.166236817	0.028959641
Fan Kam Road	09/10	RR	0.27529	50	48	N	2300-0000	950	0.006180499	0.005644888	0.165681953	0.028580561
Fan Kam Road	11	RR	0.0882	50	49	N	0000-0100	500	0.006132679	0.005712721	0.163825023	0.027089074
Fan Kam Road	11	RR	0.0882	50	49	N	0100-0200	400	0.005287033	0.004937516	0.141802895	0.016517792
Fan Kam Road	11	RR	0.0882	50	49	N	0200-0300	300	0.005145813	0.004807867	0.140567894	0.015891966
Fan Kam Road	11	RR	0.0882	50	49	N	0300-0400	250	0.005453101	0.005090017	0.143236219	0.017489852
Fan Kam Road	11	RR	0.0882	50	49	N	0400-0500	200	0.005418307	0.005057283	0.143234625	0.017187166
Fan Kam Road	11	RR	0.0882	50	49	N	0500-0600	200	0.006337098	0.005899147	0.166131213	0.027413711
Fan Kam Road	11	RR	0.0882	50	49	N	0600-0700	400	0.006138424	0.005717919	0.16344031	0.026858052
Fan Kam Road	11	RR	0.0882	50	47	N	0700-0800	1100	0.006385072	0.005951161	0.169869961	0.028403344
Fan Kam Road	11	RR	0.0882	50	43	N	0800-0900	1950	0.006910555	0.006346223	0.182823249	0.031199918
Fan Kam Road	11	RR	0.0882	50	45	N	0900-1000	1650	0.006582104	0.006135865	0.176240436	0.029671974
Fan Kam Road	11	RR	0.0882	50	45	N	1000-1100	1650	0.006580189	0.006134111	0.17597071	0.029606908
Fan Kam Road	11	RR	0.0882	50	46	N	1100-1200	1600	0.006550593	0.005994211	0.173259835	0.029118167
Fan Kam Road	11	RR	0.0882	50	46	N	1200-1300	1400	0.006542659	0.005986872	0.173268171	0.029071882
Fan Kam Road	11	RR	0.0882	50	47	N	1300-1400	1300	0.005894947	0.005502041	0.162433053	0.026507811
Fan Kam Road	11	RR	0.0882	50	46	N	1400-1500	1450	0.006035201	0.005520549	0.16496872	0.027036754
Fan Kam Road	11	RR	0.0882	50	46	N	1500-1600	1550	0.00605234	0.005536401	0.165096373	0.027044736
Fan Kam Road	11	RR	0.0882	50	46	N	1600-1700	1600	0.006063397	0.005546524	0.165164641	0.027261354
Fan Kam Road	11	RR	0.0882	50	45	N	1700-1800	1700	0.006075225	0.005672793	0.168178685	0.027573551
Fan Kam Road	11	RR	0.0882	50	46	N	1800-1900	1650	0.006047754	0.005532152	0.165267301	0.027106567
Fan Kam Road	11	RR	0.0882	50	46	N	1900-2000	1550	0.00607059	0.005553186	0.165238977	0.027176284
Fan Kam Road	11	RR	0.0882	50	47	N	2000-2100	1200	0.005843174	0.005454534	0.162134295	0.026343931
Fan Kam Road	11	RR	0.0882	50	48	N	2100-2200	950	0.0058401	0.005330952	0.159827896	0.025944911
Fan Kam Road	11	RR	0.0882	50	48	N	2200-2300	950	0.005826871	0.005318721	0.160124063	0.026028194
Fan Kam Road	11	RR	0.0882	50	48	N	2300-0000	800	0.005820627	0.005313072	0.159199769	0.025771649
Fan Kam Road	12	RR	0.09121	50	49	N	0000-0100	450	0.006474938	0.006026333	0.173899533	0.032335954
Fan Kam Road	12	RR	0.09121	50	49	N	0100-0200	350	0.005137702	0.004800802	0.139145508	0.015726783
Fan Kam Road	12	RR	0.09121	50	49	N	0200-0300	300	0.00526476	0.00491801	0.138976832	0.01648884
Fan Kam Road	12	RR	0.09121	50	49	N	0300-0400	200	0.005125793	0.004789939	0.137455342	0.015478317
Fan Kam Road	12	RR	0.09121	50	50	N	0400-0500	200	0.005111244	0.004647287	0.137014801	0.01523155
Fan Kam Road	12	RR	0.09121	50	49	N	0500-0600	200	0.006462852	0.006015567	0.173297912	0.031556275
Fan Kam Road	12	RR	0.09121	50	49	N	0600-0700	350	0.006413204	0.005969685	0.172969863	0.031894237
Fan Kam Road	12	RR	0.09121	50	47	N	0700-0800	950	0.006646768	0.006188748	0.179414674	0.033223571
Fan Kam Road	12	RR	0.09121	50	46	N	0800-0900	1550	0.006833774	0.006256341	0.182737438	0.034136584
Fan Kam Road	12	RR	0.09121	50	46	N	0900-1000	1450	0.006853279	0.006274333	0.183219083	0.034255627
Fan Kam Road	12	RR	0.09121	50	46	N	1000-1100	1500	0.006848596	0.006270053	0.183150187	0.034193153
Fan Kam Road	12	RR	0.09121	50	46	N	1100-1200	1450	0.006857672	0.006278325	0.183109358	0.034271801
Fan Kam Road	12	RR	0.09121	50	47	N	1200-1300	1250	0.00666019	0.006200947	0.179744203	0.033403866
Fan Kam Road	12	RR	0.09121	50	47	N	1300-1400	1150	0.006299906	0.005871273	0.173255232	0.031113834
Fan Kam Road	12	RR	0.09121	50	47	N	1400-1500	1300	0.00633293	0.005901545	0.173453632	0.031189634
Fan Kam Road	12	RR	0.09121	50	46	N	1500-1600	1350	0.006448078	0.005901481	0.175901766	0.031595768
Fan Kam Road	12	RR	0.09121	50	46	N	1600-1700	1400	0.006431695	0.005886369	0.17565655	0.031521883
Fan Kam Road	12	RR	0.09121	50	46	N	1700-1800	1500	0.006450267	0.00590346	0.176277837	0.031623272
Fan Kam Road	12	RR	0.09121	50	46	N	1800-1900	1650	0.006454355	0.00590721	0.175924152	0.03162708
Fan Kam Road	12	RR	0.09121	50	46	N	1900-2000	1400	0.006459504	0.00591199	0.176198722	0.031703868
Fan Kam Road	12	RR	0.09121	50	47	N	2000-2100	1100	0.006320988	0.005890762	0.173138072	0.031201012
Fan Kam Road	12	RR	0.09121	50	48	N	2100-2200	850	0.006290588	0.005746066	0.170762937	0.030773297

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	12	RR	0.09121	50	48	N	2200-2300	850	0.006284537	0.00574053	0.170406162	0.030616112
Fan Kam Road	12	RR	0.09121	50	48	N	2300-0000	700	0.006308596	0.005762691	0.170513457	0.030488877
Castle Peak Road - Kw	13/14	LD	0.42005	50	30	N	0000-0100	550	0.009385405	0.008739091	0.256340533	0.047153554
Castle Peak Road - Kw	13/14	LD	0.42005	50	30	N	0100-0200	450	0.008807067	0.00820735	0.230981926	0.035268738
Castle Peak Road - Kw	13/14	LD	0.42005	50	30	N	0200-0300	350	0.008673196	0.008084758	0.230530674	0.034716863
Castle Peak Road - Kw	13/14	LD	0.42005	50	30	N	0300-0400	250	0.008468729	0.007896568	0.227600352	0.032678522
Castle Peak Road - Kw	13/14	LD	0.42005	50	30	N	0400-0500	200	0.008722025	0.008128845	0.23957971	0.035932684
Castle Peak Road - Kw	13/14	LD	0.42005	50	30	N	0500-0600	250	0.009234586	0.008600579	0.259916974	0.046203377
Castle Peak Road - Kw	13/14	LD	0.42005	50	30	N	0600-0700	450	0.009580936	0.00891916	0.257824069	0.048369075
Castle Peak Road - Kw	13/14	LD	0.42005	50	28	N	0700-0800	1050	0.010124184	0.009349193	0.2727266526	0.052355149
Castle Peak Road - Kw	13/14	LD	0.42005	50	25	N	0800-0900	1700	0.01092175	0.010118462	0.298689891	0.057119409
Castle Peak Road - Kw	13/14	LD	0.42005	50	25	N	0900-1000	1650	0.0109988	0.010189231	0.300899596	0.058110205
Castle Peak Road - Kw	13/14	LD	0.42005	50	25	N	1000-1100	1650	0.011005683	0.010195453	0.301788893	0.05826206
Castle Peak Road - Kw	13/14	LD	0.42005	50	25	N	1100-1200	1600	0.010954126	0.010148096	0.300710949	0.057687602
Castle Peak Road - Kw	13/14	LD	0.42005	50	26	N	1200-1300	1350	0.010645539	0.009846651	0.291190179	0.05552203
Castle Peak Road - Kw	13/14	LD	0.42005	50	27	N	1300-1400	1300	0.008963311	0.008278956	0.234864838	0.038740703
Castle Peak Road - Kw	13/14	LD	0.42005	50	26	N	1400-1500	1450	0.009252472	0.008568326	0.242279558	0.040095954
Castle Peak Road - Kw	13/14	LD	0.42005	50	26	N	1500-1600	1550	0.009265195	0.00858021	0.240902806	0.039986992
Castle Peak Road - Kw	13/14	LD	0.42005	50	26	N	1600-1700	1550	0.009336764	0.008646121	0.241581081	0.040734918
Castle Peak Road - Kw	13/14	LD	0.42005	50	25	N	1700-1800	1700	0.009648549	0.008950635	0.249672338	0.042215112
Castle Peak Road - Kw	13/14	LD	0.42005	50	25	N	1800-1900	1850	0.009614656	0.008919441	0.248602409	0.041829355
Castle Peak Road - Kw	13/14	LD	0.42005	50	26	N	1900-2000	1550	0.009275681	0.008589806	0.241402304	0.040246748
Castle Peak Road - Kw	13/14	LD	0.42005	50	27	N	2000-2100	1200	0.008991674	0.008304945	0.235956324	0.039024712
Castle Peak Road - Kw	13/14	LD	0.42005	50	28	N	2100-2200	900	0.008741125	0.008078249	0.227272152	0.037359367
Castle Peak Road - Kw	13/14	LD	0.42005	50	29	N	2200-2300	900	0.00843876	0.007776953	0.221226036	0.036031233
Castle Peak Road - Kw	13/14	LD	0.42005	50	29	N	2300-0000	800	0.00839972	0.007741357	0.221411402	0.035304665
Po Kin Road	15/16	LD	0.1415	50	30	Y	0000-0100	450	0.019048568	0.017607432	0.390776262	0.076824363
Po Kin Road	15/16	LD	0.1415	50	30	Y	0100-0200	350	0.018293598	0.016911159	0.344487447	0.053872856
Po Kin Road	15/16	LD	0.1415	50	30	Y	0200-0300	300	0.018435237	0.017043209	0.358053206	0.060690428
Po Kin Road	15/16	LD	0.1415	50	30	Y	0300-0400	200	0.017847877	0.016504761	0.340953564	0.050679869
Po Kin Road	15/16	LD	0.1415	50	30	Y	0400-0500	200	0.017732706	0.016395281	0.336666379	0.046369955
Po Kin Road	15/16	LD	0.1415	50	30	Y	0500-0600	200	0.018840995	0.017413707	0.375445745	0.068050638
Po Kin Road	15/16	LD	0.1415	50	30	Y	0600-0700	350	0.019100899	0.017654966	0.385727336	0.07567071
Po Kin Road	15/16	LD	0.1415	50	28	Y	0700-0800	900	0.019723112	0.018155213	0.405088753	0.080404654
Po Kin Road	15/16	LD	0.1415	50	24	Y	0800-0900	1650	0.021000917	0.019380943	0.437219306	0.088679815
Po Kin Road	15/16	LD	0.1415	50	25	Y	0900-1000	1400	0.020702785	0.019092064	0.431354608	0.087803361
Po Kin Road	15/16	LD	0.1415	50	25	Y	1000-1100	1400	0.020666565	0.01905922	0.42947254	0.087231182
Po Kin Road	15/16	LD	0.1415	50	26	Y	1100-1200	1350	0.020325148	0.018729925	0.421231989	0.085680613
Po Kin Road	15/16	LD	0.1415	50	26	Y	1200-1300	1150	0.020323439	0.018727624	0.421360454	0.085104219
Po Kin Road	15/16	LD	0.1415	50	27	Y	1300-1400	1100	0.020466902	0.018835126	0.448323249	0.098290835
Po Kin Road	15/16	LD	0.1415	50	26	Y	1400-1500	1200	0.020804224	0.019168807	0.45879468	0.099680351
Po Kin Road	15/16	LD	0.1415	50	26	Y	1500-1600	1300	0.02082698	0.019189979	0.457339301	0.100449754
Po Kin Road	15/16	LD	0.1415	50	25	Y	1600-1700	1300	0.021121875	0.019476688	0.464521542	0.101700669
Po Kin Road	15/16	LD	0.1415	50	25	Y	1700-1800	1450	0.021188159	0.019536516	0.464229307	0.101646961
Po Kin Road	15/16	LD	0.1415	50	25	Y	1800-1900	1350	0.021215491	0.019561985	0.469839526	0.103960385
Po Kin Road	15/16	LD	0.1415	50	26	Y	1900-2000	1300	0.020781385	0.019148734	0.455385052	0.099864786
Po Kin Road	15/16	LD	0.1415	50	27	Y	2000-2100	1000	0.020440255	0.018811288	0.445247598	0.096681939
Po Kin Road	15/16	LD	0.1415	50	28	Y	2100-2200	800	0.020235034	0.018625147	0.439308592	0.095556135
Po Kin Road	15/16	LD	0.1415	50	28	Y	2200-2300	800	0.020223323	0.018614222	0.440843033	0.095489758
Po Kin Road	15/16	LD	0.1415	50	29	Y	2300-0000	650	0.019794957	0.01819731	0.429281611	0.09201564
Po Kin Road	17/18	LD	0.1249	50	30	Y	0000-0100	300	0.020006942	0.018483794	0.449604875	0.102017992
Po Kin Road	17/18	LD	0.1249	50	30	Y	0100-0200	200	0.018813383	0.017386101	0.421267841	0.084302541
Po Kin Road	17/18	LD	0.1249	50	30	Y	0200-0300	200	0.018574427	0.017164295	0.400597564	0.075882689
Po Kin Road	17/18	LD	0.1249	50	30	Y	0300-0400	100	0.018346015	0.01696017	0.417136372	0.083706029
Po Kin Road	17/18	LD	0.1249	50	30	Y	0400-0500	100	0.018170583	0.016801307	0.393394406	0.076327969
Po Kin Road	17/18	LD	0.1249	50	30	Y	0500-0600	100	0.019018455	0.017578036	0.406926562	0.082293696
Po Kin Road	17/18	LD	0.1249	50	30	Y	0600-0700	200	0.019152717	0.017699662	0.425338425	0.090453425
Po Kin Road	17/18	LD	0.1249	50	27	Y	0700-0800	500	0.020651613	0.019003436	0.474551158	0.10654519
Po Kin Road	17/18	LD	0.1249	50	24	Y	0800-0900	750	0.021824989	0.020136209	0.502513047	0.115027987
Po Kin Road	17/18	LD	0.1249	50	24	Y	0900-1000	750	0.021925368	0.020227583	0.506665857	0.116638069
Po Kin Road	17/18	LD	0.1249	50	24	Y	1000-1100	750	0.021945689	0.02024672	0.50810972	0.11782147
Po Kin Road	17/18	LD	0.1249	50	24	Y	1100-1200	750	0.021892014	0.02019708	0.505391967	0.115757422
Po Kin Road	17/18	LD	0.1249	50	25	Y	1200-1300	600	0.021646099	0.019957802	0.500023913	0.115160065
Po Kin Road	17/18	LD	0.1249	50	26	Y	1300-1400	600	0.02097601	0.019325234	0.495789557	0.113801355
Po Kin Road	17/18	LD	0.1249	50	25	Y	1400-1500	650	0.021750581	0.02005429	0.518420179	0.122227214
Po Kin Road	17/18	LD	0.1249	50	25	Y	1500-1600	700	0.02162336	0.019936748	0.511498277	0.118339659
Po Kin Road	17/18	LD	0.1249	50	25	Y	1600-1700	700	0.021635935	0.019948301	0.513002404	0.119574915
Po Kin Road	17/18	LD	0.1249	50	24	Y	1700-1800	800	0.022024374	0.020317685	0.520752709	0.120580867
Po Kin Road	17/18	LD	0.1249	50	24	Y	1800-1900	850	0.021969668	0.020268219	0.522904356	0.121581678
Po Kin Road	17/18	LD	0.1249	50	25	Y	1900-2000	700	0.021663237	0.019973379	0.512913579	0.119413026
Po Kin Road	17/18	LD	0.1249	50	26	Y	2000-2100	500	0.020986797	0.019334351	0.492217388	0.111745333
Po Kin Road	17/18	LD	0.1249	50	28	Y	2100-2200	400	0.020565626	0.018929692	0.482149516	0.11134012
Po Kin Road	17/18	LD	0.1249	50	28	Y	2200-2300	400	0.020544511	0.018911121	0.482124805	0.111685658
Po Kin Road	17/18	LD	0.1249	50	28	Y	2300-0000	400	0.020589823	0.018954204	0.470789048	0.107287689
Po Kin Road	19/20	LD	0.2318	50	30	N	0000-0100	250	0.011041584	0.010259298	0.302378196	0.068193725
Po Kin Road	19/20	LD	0.2318	50	30	N	0100-0200	200	0.007877618	0.007353728	0.216778798	0.028509786
Po Kin Road	19/20	LD	0.2318	50	30	N	0200-0300	150	0.008616744	0.00803267	0.226160147	0.035650333
Po Kin Road	19/20	LD	0.2318	50	30	N	0300-0400	100	0.008166874	0.007618844	0.223690753	0.03145425
Po Kin Road	19/20	LD	0.2318	50	30	N	0400-0500	100	0.007185995	0.006719896	0.212261868	0.021703042
Po Kin Road	19/20	LD	0.2318	50	30	N	0500-0600	100	0.009838628	0.009155027	0.282671127	0.055158672
Po Kin Road	19/20	LD	0.2318	50	30	N	0600-0700	200	0.010795109	0.010033528	0.296723774	0.065937817
Po Kin Road	19/20	LD	0.2318	50	28	N	0700-0800	500	0.012165715	0.011227814	0.322805672	0.075434467
Po Kin Road	19/20	LD	0.2318	50	25	N	0800-090					

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Kin Road	19/20	LD	0.2318	50	26	N	0900-1000	600	0.012817344	0.011846479	0.347386534	0.082937815
Po Kin Road	19/20	LD	0.2318	50	26	N	1000-1100	600	0.012789682	0.011820545	0.346243514	0.082491287
Po Kin Road	19/20	LD	0.2318	50	26	N	1100-1200	600	0.012759544	0.011792982	0.345195738	0.082255184
Po Kin Road	19/20	LD	0.2318	50	27	N	1200-1300	500	0.012249242	0.011301377	0.331746152	0.078298921
Po Kin Road	19/20	LD	0.2318	50	27	N	1300-1400	500	0.012351065	0.011395507	0.329982227	0.079010499
Po Kin Road	19/20	LD	0.2318	50	27	N	1400-1500	500	0.012142214	0.011203268	0.325652468	0.0770292
Po Kin Road	19/20	LD	0.2318	50	26	N	1500-1600	600	0.012493419	0.011550034	0.338627934	0.080196754
Po Kin Road	19/20	LD	0.2318	50	26	N	1600-1700	600	0.012520674	0.011574912	0.340284556	0.080711533
Po Kin Road	19/20	LD	0.2318	50	26	N	1700-1800	600	0.012453116	0.011512653	0.338192868	0.080093777
Po Kin Road	19/20	LD	0.2318	50	25	N	1800-1900	650	0.012863107	0.011902104	0.350423885	0.083468655
Po Kin Road	19/20	LD	0.2318	50	26	N	1900-2000	600	0.012446819	0.011506544	0.336718665	0.079412298
Po Kin Road	19/20	LD	0.2318	50	27	N	2000-2100	450	0.01213199	0.01119425	0.329273914	0.077150884
Po Kin Road	19/20	LD	0.2318	50	28	N	2100-2200	350	0.011928442	0.011010028	0.319287028	0.074921111
Po Kin Road	19/20	LD	0.2318	50	28	N	2200-2300	350	0.011957141	0.011036293	0.318645656	0.074671557
Po Kin Road	19/20	LD	0.2318	50	29	N	2300-0000	300	0.011192505	0.010307237	0.308999544	0.070459824
Po Kin Road	21	LD	0.184	50	29	N	0000-0100	150	0.015066968	0.013867653	0.460917232	0.138560688
Po Kin Road	21	LD	0.184	50	30	N	0100-0200	100	0.008538439	0.007958834	0.236008592	0.034520348
Po Kin Road	21	LD	0.184	50	30	N	0200-0300	50	0.008706583	0.008109581	0.252796641	0.035740827
Po Kin Road	21	LD	0.184	50	30	N	0300-0400	50	0.009283292	0.008642757	0.236654856	0.040831681
Po Kin Road	21	LD	0.184	50	30	N	0400-0500	50	0.009090991	0.008466566	0.238792451	0.040076415
Po Kin Road	21	LD	0.184	50	30	N	0500-0600	50	0.014952624	0.013854585	0.446249156	0.138066668
Po Kin Road	21	LD	0.184	50	30	N	0600-0700	100	0.014522543	0.013458268	0.445185660	0.133446515
Po Kin Road	21	LD	0.184	50	26	N	0700-0800	300	0.016884416	0.015600369	0.515579148	0.158612213
Po Kin Road	21	LD	0.184	50	23	N	0800-0900	400	0.018241721	0.016786939	0.575666597	0.178584623
Po Kin Road	21	LD	0.184	50	22	N	0900-1000	450	0.018666781	0.017181276	0.59821753	0.185933901
Po Kin Road	21	LD	0.184	50	22	N	1000-1100	450	0.018783587	0.017288523	0.601011625	0.187798777
Po Kin Road	21	LD	0.184	50	22	N	1100-1200	400	0.018700593	0.017212272	0.600481974	0.186275774
Po Kin Road	21	LD	0.184	50	24	N	1200-1300	350	0.017728067	0.016361895	0.554880037	0.170819731
Po Kin Road	21	LD	0.184	50	25	N	1300-1400	350	0.012920618	0.011956106	0.374247379	0.096478258
Po Kin Road	21	LD	0.184	50	25	N	1400-1500	400	0.012949265	0.011982918	0.37397297	0.096989289
Po Kin Road	21	LD	0.184	50	24	N	1500-1600	400	0.013333013	0.01234053	0.385417546	0.100493313
Po Kin Road	21	LD	0.184	50	24	N	1600-1700	400	0.013354111	0.01236039	0.384537943	0.100762283
Po Kin Road	21	LD	0.184	50	23	N	1700-1800	450	0.014032852	0.012911477	0.404566503	0.106674289
Po Kin Road	21	LD	0.184	50	21	N	1800-1900	550	0.014947845	0.013793832	0.435414537	0.116618683
Po Kin Road	21	LD	0.184	50	24	N	1900-2000	400	0.01326579	0.012279053	0.38388846	0.099641423
Po Kin Road	21	LD	0.184	50	26	N	2000-2100	300	0.012648462	0.011698225	0.361607221	0.093495355
Po Kin Road	21	LD	0.184	50	27	N	2100-2200	250	0.012334608	0.011384371	0.351770749	0.090360513
Po Kin Road	21	LD	0.184	50	27	N	2200-2300	250	0.012171324	0.011234653	0.350945623	0.089669316
Po Kin Road	21	LD	0.184	50	28	N	2300-0000	200	0.0120171	0.011092902	0.33914411	0.086434342
Po Kin Road	22	LD	0.18362	50	29	N	0000-0100	150	0.012188013	0.01122379	0.33947969	0.087567336
Po Kin Road	22	LD	0.18362	50	30	N	0100-0200	100	0.007866763	0.007344837	0.216686985	0.028363368
Po Kin Road	22	LD	0.18362	50	30	N	0200-0300	100	0.007885786	0.00736476	0.20589746	0.028471307
Po Kin Road	22	LD	0.18362	50	30	N	0300-0400	50	0.007804401	0.007288783	0.208320472	0.028276496
Po Kin Road	22	LD	0.18362	50	30	N	0400-0500	50	0.006676782	0.006252945	0.197486593	0.01742464
Po Kin Road	22	LD	0.18362	50	30	N	0500-0600	50	0.010299866	0.009580409	0.313820712	0.071698206
Po Kin Road	22	LD	0.18362	50	30	N	0600-0700	100	0.01108529	0.010302843	0.32270318	0.078312594
Po Kin Road	22	LD	0.18362	50	26	N	0700-0800	300	0.012935955	0.011962351	0.368305101	0.095457837
Po Kin Road	22	LD	0.18362	50	21	N	0800-0900	550	0.015292437	0.01411068	0.445145194	0.119635543
Po Kin Road	22	LD	0.18362	50	23	N	0900-1000	400	0.014437602	0.01328544	0.412545566	0.110157987
Po Kin Road	22	LD	0.18362	50	23	N	1000-1100	450	0.014411579	0.01326159	0.411127943	0.109712505
Po Kin Road	22	LD	0.18362	50	23	N	1100-1200	450	0.014370203	0.013223255	0.412364788	0.109226193
Po Kin Road	22	LD	0.18362	50	24	N	1200-1300	400	0.013649716	0.012631419	0.393811305	0.103512314
Po Kin Road	22	LD	0.18362	50	24	N	1300-1400	350	0.014931526	0.013805017	0.434015599	0.121293296
Po Kin Road	22	LD	0.18362	50	24	N	1400-1500	400	0.014895364	0.013772074	0.433871756	0.120523869
Po Kin Road	22	LD	0.18362	50	23	N	1500-1600	450	0.015470028	0.014235887	0.451023645	0.127364192
Po Kin Road	22	LD	0.18362	50	23	N	1600-1700	450	0.015345803	0.014121527	0.448675709	0.126240371
Po Kin Road	22	LD	0.18362	50	22	N	1700-1800	500	0.015807283	0.014559413	0.469188729	0.131940442
Po Kin Road	22	LD	0.18362	50	22	N	1800-1900	500	0.015777687	0.014532231	0.467934423	0.131586258
Po Kin Road	22	LD	0.18362	50	23	N	1900-2000	450	0.015417081	0.014186834	0.450385041	0.126898126
Po Kin Road	22	LD	0.18362	50	25	N	2000-2100	350	0.01427089	0.013196621	0.418735634	0.115473377
Po Kin Road	22	LD	0.18362	50	26	N	2100-2200	250	0.013865963	0.012818892	0.405544292	0.111417396
Po Kin Road	22	LD	0.18362	50	26	N	2200-2300	250	0.013893048	0.012843338	0.404727453	0.111238018
Po Kin Road	22	LD	0.18362	50	27	N	2300-0000	200	0.013681307	0.012623276	0.389830222	0.107576181
Pak Wo Road	23	DD	0.07982	50	40	N	0000-0100	200	0.00983079	0.009049776	0.258597972	0.062235907
Pak Wo Road	23	DD	0.07982	50	40	N	0100-0200	150	0.007939441	0.007317703	0.210920786	0.03868002
Pak Wo Road	23	DD	0.07982	50	40	N	0200-0300	100	0.00812759	0.007491207	0.210644719	0.04003586
Pak Wo Road	23	DD	0.07982	50	40	N	0300-0400	100	0.00794855	0.007325734	0.218404074	0.040547422
Pak Wo Road	23	DD	0.07982	50	40	N	0400-0500	100	0.007523683	0.006934261	0.213779222	0.039964035
Pak Wo Road	23	DD	0.07982	50	40	N	0500-0600	100	0.009033425	0.008316655	0.254425152	0.059263015
Pak Wo Road	23	DD	0.07982	50	40	N	0600-0700	150	0.009463232	0.00871257	0.257732869	0.06019954
Pak Wo Road	23	DD	0.07982	50	38	N	0700-0800	400	0.010051544	0.009266361	0.272243004	0.065188056
Pak Wo Road	23	DD	0.07982	50	35	N	0800-0900	750	0.010756051	0.009925533	0.293999287	0.071279584
Pak Wo Road	23	DD	0.07982	50	36	N	0900-1000	600	0.010566261	0.009750806	0.286479679	0.069315862
Pak Wo Road	23	DD	0.07982	50	36	N	1000-1100	600	0.010591318	0.009773932	0.28717902	0.069726342
Pak Wo Road	23	DD	0.07982	50	36	N	1100-1200	600	0.010627351	0.009807117	0.287971992	0.069822921
Pak Wo Road	23	DD	0.07982	50	37	N	1200-1300	500	0.010186423	0.009405296	0.278596903	0.066469448
Pak Wo Road	23	DD	0.07982	50	37	N	1300-1400	450	0.010151243	0.009372659	0.277492555	0.067269614
Pak Wo Road	23	DD	0.07982	50	37	N	1400-1500	550	0.010299625	0.009509388	0.27852569	0.068153369
Pak Wo Road	23	DD	0.07982	50	37	N	1500-1600	550	0.010237423	0.009451903	0.278701961	0.067996281
Pak Wo Road	23	DD	0.07982	50	36	N	1600-1700	600	0.010530952	0.009719215	0.285384923	0.07013114
Pak Wo Road	23	DD	0.07982	50	36	N	1700-1800	650	0.010439895	0.009635851	0.284700357	0.069720387
Pak Wo Road	23	DD	0.07982	50	36	N	1800-1900	600	0.01044807	0.009643189	0.284836105	0.069578893
Pak Wo Road	23	DD	0.07982	50	36	N	1900-2000	550	0.010481802	0.009674089	0.2855563045	0.070048066

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (v/m)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Pak Wo Road	23	DD	0.07982	50	38	N	2000-2100	450	0.009905899	0.009132754	0.270917339	0.065504067
Pak Wo Road	23	DD	0.07982	50	39	N	2100-2200	350	0.009917936	0.009149539	0.26779077	0.06506816
Pak Wo Road	23	DD	0.07982	50	39	N	2200-2300	350	0.009969757	0.009197304	0.267825709	0.065228965
Pak Wo Road	23	DD	0.07982	50	39	N	2300-0000	300	0.009687092	0.008936993	0.263286812	0.063145396
Pak Wo Road	24	DD	0.06463	50	40	N	0000-0100	150	0.010936812	0.010061329	0.293474629	0.080155776
Pak Wo Road	24	DD	0.06463	50	40	N	0100-0200	100	0.008438644	0.007776093	0.214746035	0.041400133
Pak Wo Road	24	DD	0.06463	50	40	N	0200-0300	100	0.00740435	0.006824954	0.207182215	0.038555746
Pak Wo Road	24	DD	0.06463	50	40	N	0300-0400	50	0.007491722	0.006903764	0.222160007	0.040963341
Pak Wo Road	24	DD	0.06463	50	40	N	0400-0500	50	0.007806719	0.007191611	0.224419545	0.046225831
Pak Wo Road	24	DD	0.06463	50	40	N	0500-0600	50	0.010141281	0.009328965	0.28895345	0.076825464
Pak Wo Road	24	DD	0.06463	50	40	N	0600-0700	100	0.00997885	0.00918097	0.282388985	0.074292791
Pak Wo Road	24	DD	0.06463	50	39	N	0700-0800	250	0.010755616	0.009922845	0.295247595	0.079261142
Pak Wo Road	24	DD	0.06463	50	37	N	0800-0900	450	0.011247383	0.010378788	0.310141172	0.083946843
Pak Wo Road	24	DD	0.06463	50	37	N	0900-1000	500	0.011309939	0.010436354	0.310251332	0.084326246
Pak Wo Road	24	DD	0.06463	50	37	N	1000-1100	450	0.011305368	0.010432218	0.309857831	0.084209923
Pak Wo Road	24	DD	0.06463	50	38	N	1100-1200	450	0.011121259	0.010249172	0.303143777	0.082468017
Pak Wo Road	24	DD	0.06463	50	38	N	1200-1300	350	0.011244921	0.010362856	0.305490265	0.083287656
Pak Wo Road	24	DD	0.06463	50	39	N	1300-1400	350	0.009469943	0.008738722	0.259499671	0.063587774
Pak Wo Road	24	DD	0.06463	50	38	N	1400-1500	350	0.009798813	0.009036225	0.267261537	0.065829331
Pak Wo Road	24	DD	0.06463	50	38	N	1500-1600	400	0.00984212	0.009076056	0.266893673	0.066096724
Pak Wo Road	24	DD	0.06463	50	38	N	1600-1700	400	0.00984587	0.009079549	0.269066642	0.066141319
Pak Wo Road	24	DD	0.06463	50	38	N	1700-1800	450	0.00978729	0.009025459	0.266840533	0.065924846
Pak Wo Road	24	DD	0.06463	50	37	N	1800-1900	500	0.009935704	0.0091745	0.272882123	0.067269935
Pak Wo Road	24	DD	0.06463	50	38	N	1900-2000	400	0.009894327	0.009124208	0.269507731	0.066398041
Pak Wo Road	24	DD	0.06463	50	39	N	2000-2100	300	0.009453818	0.008723674	0.261066528	0.063667934
Pak Wo Road	24	DD	0.06463	50	39	N	2100-2200	250	0.009686625	0.008937873	0.262811814	0.064800751
Pak Wo Road	24	DD	0.06463	50	39	N	2200-2300	250	0.009748537	0.008994656	0.265373439	0.065506063
Pak Wo Road	24	DD	0.06463	50	40	N	2300-0000	250	0.009305147	0.00856591	0.256408202	0.0622511
Pak Wo Road	25/26	DD	0.11311	50	39	N	0000-0100	300	0.012335871	0.011381369	0.35571983	0.106964132
Pak Wo Road	25/26	DD	0.11311	50	40	N	0100-0200	200	0.008227095	0.007580509	0.220804483	0.043458323
Pak Wo Road	25/26	DD	0.11311	50	40	N	0200-0300	100	0.007936432	0.007312505	0.223141581	0.043863395
Pak Wo Road	25/26	DD	0.11311	50	40	N	0300-0400	100	0.008003163	0.007371721	0.23323887	0.046419918
Pak Wo Road	25/26	DD	0.11311	50	40	N	0400-0500	100	0.008524261	0.007849471	0.238507211	0.053158652
Pak Wo Road	25/26	DD	0.11311	50	40	N	0500-0600	100	0.011410692	0.010487717	0.337791215	0.100279609
Pak Wo Road	25/26	DD	0.11311	50	40	N	0600-0700	200	0.011887862	0.010925965	0.348017228	0.103563934
Pak Wo Road	25/26	DD	0.11311	50	36	N	0700-0800	600	0.012923628	0.011919132	0.379332673	0.1146368
Pak Wo Road	25/26	DD	0.11311	50	31	N	0800-0900	900	0.014310078	0.013164667	0.435274661	0.132032762
Pak Wo Road	25/26	DD	0.11311	50	32	N	0900-1000	900	0.014049992	0.012907027	0.42268708	0.128154195
Pak Wo Road	25/26	DD	0.11311	50	32	N	1000-1100	900	0.014010192	0.012870439	0.421912423	0.127692772
Pak Wo Road	25/26	DD	0.11311	50	32	N	1100-1200	850	0.014106109	0.012958688	0.424328995	0.128753798
Pak Wo Road	25/26	DD	0.11311	50	34	N	1200-1300	750	0.013531931	0.012508285	0.402084328	0.121875473
Pak Wo Road	25/26	DD	0.11311	50	35	N	1300-1400	700	0.011694958	0.010779394	0.343648865	0.096400293
Pak Wo Road	25/26	DD	0.11311	50	34	N	1400-1500	750	0.011942729	0.011045334	0.351908071	0.099018658
Pak Wo Road	25/26	DD	0.11311	50	33	N	1500-1600	850	0.012334119	0.011436623	0.363076775	0.102847308
Pak Wo Road	25/26	DD	0.11311	50	33	N	1600-1700	850	0.012260002	0.011368368	0.363074719	0.102286191
Pak Wo Road	25/26	DD	0.11311	50	32	N	1700-1800	950	0.012644317	0.011611457	0.372736373	0.105644194
Pak Wo Road	25/26	DD	0.11311	50	31	N	1800-1900	1000	0.012855046	0.011822257	0.383017863	0.108705728
Pak Wo Road	25/26	DD	0.11311	50	33	N	1900-2000	850	0.012311338	0.011415536	0.363515874	0.102525799
Pak Wo Road	25/26	DD	0.11311	50	35	N	2000-2100	650	0.011707919	0.010791935	0.343821696	0.096371907
Pak Wo Road	25/26	DD	0.11311	50	37	N	2100-2200	500	0.011265883	0.010395195	0.326120293	0.09158384
Pak Wo Road	25/26	DD	0.11311	50	37	N	2200-2300	500	0.01129634	0.01042319	0.327380417	0.091717649
Pak Wo Road	25/26	DD	0.11311	50	38	N	2300-0000	400	0.011119473	0.01024374	0.319253737	0.089817843
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0000-0100	300	0.020664346	0.019083588	0.529953525	0.135787583
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0100-0200	200	0.01951465	0.018026181	0.487526396	0.112304709
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0200-0300	200	0.01931678	0.017842173	0.479566818	0.107817542
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0300-0400	100	0.018620962	0.01721243	0.454991748	0.100233387
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0400-0500	100	0.018933807	0.017494194	0.467266443	0.10468602
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0500-0600	100	0.019630633	0.018142314	0.496371048	0.123922061
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	0600-0700	200	0.019859155	0.018344278	0.502645569	0.120328288
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	0700-0800	550	0.020608929	0.018948965	0.535485383	0.136652834
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	0800-0900	950	0.021293771	0.019594645	0.550551632	0.13836836
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	0900-1000	850	0.021098583	0.019421036	0.54418746	0.137986779
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1000-1100	850	0.021053949	0.019380365	0.54314242	0.137491939
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1100-1200	850	0.021050447	0.019377033	0.543046438	0.136956271
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1200-1300	700	0.021049142	0.019375455	0.544359627	0.137515731
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	1300-1400	700	0.02138604	0.019661146	0.564590041	0.151356705
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1400-1500	750	0.021777093	0.020045701	0.575289192	0.15411732
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1500-1600	800	0.02184469	0.020108524	0.57515282	0.155537327
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1600-1700	800	0.021842595	0.020106732	0.580638228	0.156968589
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1700-1800	900	0.02169093	0.019967544	0.576096082	0.154225783
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	1800-1900	900	0.021948057	0.020199106	0.583403757	0.155667246
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1900-2000	800	0.021764984	0.020035018	0.57509735	0.153885165
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2000-2100	600	0.021355103	0.019633631	0.565063537	0.151947029
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2100-2200	500	0.021537875	0.019799979	0.570830178	0.154451772
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2200-2300	500	0.021428697	0.019701527	0.568275409	0.154137544
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	2300-0000	400	0.021077804	0.019464197	0.548129483	0.146407787
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0000-0100	300	0.020357222	0.018801209	0.504550749	0.122725819
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0100-0200	200	0.019547531	0.01805753	0.485442664	0.111824416
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0200-0300	200	0.019203059	0.017738712	0.467578085	0.103139998
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0300-0400	100	0.018541792	0.017138944	0.448488461	0.095187278
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0400-0500	100	0.018772502	0.017350692	0.457132028	0.102113397
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0500-0600	100	0.019505482	0.018022584	0.469490858	0.10922465
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0600-0700	200	0.01980324	0.018292245	0.485025734	

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	0700-0800	600	0.020584128	0.018924322	0.509577834	0.123776491
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	0800-0900	1000	0.021171403	0.019478321	0.523407678	0.125251643
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	0900-1000	900	0.021012302	0.019340135	0.516424757	0.124743149
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1000-1100	900	0.020970416	0.019302024	0.516934195	0.124566541
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1100-1200	850	0.0210425	0.019368122	0.519476403	0.126016107
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1200-1300	750	0.020913743	0.019249109	0.514066323	0.123551701
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	1300-1400	700	0.020621533	0.01895916	0.514112813	0.124894418
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1400-1500	800	0.021154366	0.019471986	0.530390417	0.130619104
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1500-1600	850	0.02106062	0.019385199	0.526839	0.128708408
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1600-1700	850	0.021087207	0.019409918	0.527099595	0.128918562
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1700-1800	900	0.020977893	0.019310519	0.524707012	0.128189969
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	1800-1900	950	0.021264878	0.019566197	0.535275671	0.130647364
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1900-2000	850	0.021047261	0.019373976	0.526987511	0.128965566
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2000-2100	650	0.020449584	0.018801919	0.508356511	0.122843677
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2100-2200	500	0.020650021	0.018985755	0.517245712	0.127195661
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2200-2300	500	0.020619375	0.018956561	0.518369343	0.126440174
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2300-0000	400	0.020252335	0.018704878	0.500543746	0.121367667
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0000-0100	200	0.020782043	0.019185489	0.541126193	0.136736821
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0100-0200	100	0.019485941	0.017996695	0.523016541	0.124291404
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0200-0300	100	0.01978405	0.018271565	0.563846048	0.143952982
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0300-0400	100	0.019773981	0.018258855	0.533217758	0.131784966
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0400-0500	100	0.020500726	0.018922686	0.565822499	0.146638605
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0500-0600	100	0.021501996	0.01984107	0.57687049	0.154139071
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0600-0700	100	0.020876803	0.019268392	0.555448754	0.139773887
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0700-0800	400	0.021581647	0.01991869	0.580990366	0.155628885
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0800-0900	550	0.021402341	0.019753288	0.577953002	0.153313434
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	0900-1000	550	0.021770633	0.020015462	0.587021727	0.155396566
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1000-1100	550	0.021712622	0.019962463	0.585876683	0.154748687
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1100-1200	550	0.021773001	0.020017628	0.590489713	0.156230304
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1200-1300	450	0.021473288	0.019819055	0.581671375	0.156103224
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1300-1400	450	0.019970036	0.018446834	0.4290389	0.092031249
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1400-1500	500	0.020209833	0.018667406	0.442317021	0.09909294
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1500-1600	500	0.020533815	0.01887606	0.454178255	0.102821631
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1600-1700	550	0.020427504	0.018777262	0.446287106	0.098531908
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1700-1800	600	0.020316416	0.018676214	0.445111073	0.098153241
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1800-1900	650	0.02033857	0.018696723	0.446797441	0.098666899
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1900-2000	500	0.020462559	0.018811719	0.450117935	0.101784934
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2000-2100	400	0.020096435	0.018564262	0.442539899	0.099057607
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2100-2200	300	0.019811875	0.018301908	0.427464415	0.090651717
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2200-2300	300	0.01987373	0.018357451	0.430933557	0.091582754
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2300-0000	300	0.019733826	0.018232246	0.426057048	0.091529738
Ching Shing Road	33/34	LD	0.19971	50	29	Y	0000-0100	350	0.020681044	0.019013053	0.545856359	0.138182948
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0100-0200	300	0.020142532	0.018600891	0.523461751	0.129564464
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0200-0300	200	0.019658851	0.018157159	0.502471947	0.118350576
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0300-0400	200	0.019438134	0.017951204	0.497125098	0.114364779
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0400-0500	150	0.018913497	0.017477095	0.49266555	0.112520738
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0500-0600	150	0.019370957	0.017897596	0.505497398	0.120946462
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0600-0700	250	0.019808369	0.018298117	0.513942326	0.125823577
Ching Shing Road	33/34	LD	0.19971	50	27	Y	0700-0800	750	0.020990433	0.019310846	0.559502393	0.138487849
Ching Shing Road	33/34	LD	0.19971	50	22	Y	0800-0900	1150	0.023162653	0.021311469	0.629711782	0.157802616
Ching Shing Road	33/34	LD	0.19971	50	23	Y	0900-1000	1100	0.022774653	0.020930766	0.614048656	0.154347981
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1000-1100	1100	0.022794304	0.020948276	0.61287687	0.153923743
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1100-1200	1100	0.022741028	0.020899567	0.61438784	0.15334413
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1200-1300	900	0.021849677	0.020141445	0.588291964	0.146741896
Ching Shing Road	33/34	LD	0.19971	50	26	Y	1300-1400	850	0.020524698	0.018906372	0.490564791	0.108948002
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1400-1500	950	0.021039412	0.019398373	0.504890035	0.11329605
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1500-1600	1000	0.021403082	0.019749388	0.515849996	0.116164847
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1600-1700	1050	0.021440593	0.019783582	0.518591641	0.117297174
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1700-1800	1100	0.021926508	0.020147491	0.528566206	0.120028437
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1800-1900	1200	0.021848348	0.020075334	0.526023794	0.118334936
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1900-2000	1000	0.021389314	0.019737057	0.515270088	0.11610857
Ching Shing Road	33/34	LD	0.19971	50	26	Y	2000-2100	800	0.020505997	0.018889261	0.49127381	0.108439599
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2100-2200	650	0.020224946	0.01860864	0.485734458	0.108326609
Ching Shing Road	33/34	LD	0.19971	50	27	Y	2200-2300	650	0.020289186	0.018668056	0.488211767	0.109846429
Ching Shing Road	33/34	LD	0.19971	50	28	Y	2300-0000	550	0.019955845	0.018368188	0.467747225	0.102824041
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0000-0100	300	0.018875029	0.017453252	0.343830452	0.060724227
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0100-0200	200	0.017371942	0.01607105	0.269174682	0.021738933
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0200-0300	150	0.017070023	0.01579266	0.252692411	0.01405805
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0300-0400	100	0.017058808	0.015783341	0.250432942	0.01376111
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0400-0500	100	0.016941008	0.015671949	0.247548802	0.010549607
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0500-0600	100	0.018614234	0.017208122	0.320734518	0.047497972
Ping Kong Road	35a/36a	LD	0.08788	50	30	Y	0600-0700	200	0.018702456	0.017294277	0.3372902	0.056326618
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	0700-0800	550	0.019623853	0.018064661	0.356339554	0.062033332
Ping Kong Road	35a/36a	LD	0.08788	50	22	Y	0800-0900	1150	0.021548074	0.01982343	0.396388503	0.072709135
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	0900-1000	850	0.020696301	0.019101116	0.378325456	0.067771032
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	1000-1100	900	0.020758991	0.019157928	0.381661677	0.068930259
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1100-1200	800	0.020371551	0.018789341	0.371986015	0.066193836
Ping Kong Road	35a/36a	LD	0.08788	50	26	Y	1200-1300	700	0.019977149	0.018413722	0.364444478	0.06426941
Ping Kong Road	35a/36a	LD	0.08788	50	26	Y	1300-1400	650	0.02110136	0.019454705	0.420981013	0.093161104
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1400-1500	700	0.021519219	0.019845161	0.429118862	0.095663001
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1500-1600	800	0.02142298	0.019757537	0.426871004	0.094569056
Ping Kong Road	35a/36a	LD	0.08788	50								

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1800-1900	650	0.021453603	0.019785142	0.426456456	0.094231916
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	1900-2000	800	0.021810793	0.020120332	0.437382318	0.097949033
Ping Kong Road	35a/36a	LD	0.08788	50	26	Y	2000-2100	600	0.021253687	0.01959428	0.422106563	0.094355469
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	2100-2200	500	0.02080966	0.019160836	0.412653343	0.091331971
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	2200-2300	450	0.020789778	0.019142896	0.411579055	0.090978779
Ping Kong Road	35a/36a	LD	0.08788	50	28	Y	2300-0000	400	0.020017486	0.018428978	0.397707966	0.085112369
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0000-0100	150	0.018664395	0.017265009	0.360098456	0.070165729
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0100-0200	100	0.01663656	0.015398413	0.24361061	0.010328921
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0200-0300	100	0.016906534	0.015638326	0.25189376	0.010673555
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0300-0400	100	0.016700783	0.015452661	0.250674964	0.010569301
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0400-0500	100	0.017052436	0.015772697	0.247938079	0.010597381
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0500-0600	100	0.019887298	0.018376067	0.373583778	0.074157149
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0600-0700	100	0.019309879	0.017852139	0.365220974	0.072152205
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	0700-0800	250	0.020474308	0.018819249	0.398772194	0.086406188
Ping Kong Road	35b/36b	LD	0.13047	50	25	Y	0800-0900	600	0.021561258	0.019882788	0.430017991	0.095530899
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	0900-1000	450	0.020860177	0.019204439	0.415341867	0.091024613
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1000-1100	450	0.020839421	0.019185815	0.414185873	0.090752186
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1100-1200	400	0.020903551	0.01924616	0.417017251	0.092712666
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1200-1300	350	0.020559703	0.018927071	0.406244646	0.088921328
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1300-1400	300	0.022449863	0.020671053	0.497546075	0.136031636
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1400-1500	350	0.022462565	0.02068296	0.498537228	0.136354694
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1500-1600	350	0.022750777	0.020954519	0.510684251	0.140513179
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1600-1700	400	0.022545102	0.020767662	0.504868116	0.138081667
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1700-1800	450	0.022972046	0.021157535	0.517829793	0.144030815
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1800-1900	300	0.022464522	0.020684705	0.498137463	0.136430759
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1900-2000	350	0.022705163	0.020913551	0.508590464	0.140129993
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	2000-2100	300	0.022520552	0.020736695	0.500238611	0.137423425
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	2100-2200	200	0.022351123	0.020549413	0.496379928	0.13778724
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	2200-2300	200	0.022360296	0.020557142	0.496725226	0.137452686
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2300-0000	250	0.0214122	0.019789535	0.494013492	0.138875444
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0000-0100	100	0.017173525	0.015894592	0.225981772	0.009953383
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0100-0200	100	0.017437265	0.016129047	0.233886038	0.010284349
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0200-0300	100	0.017300058	0.016009107	0.226132223	0.009998857
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0300-0400	100	0.017932539	0.016582271	0.225445222	0.010181646
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0400-0500	100	0.016950312	0.015691429	0.227738851	0.009936224
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0500-0600	100	0.018108497	0.01675034	0.239084475	0.015516615
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0600-0700	100	0.018056828	0.016702499	0.22752101	0.01291071
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0700-0800	250	0.019004597	0.017570656	0.264627814	0.030233217
Ping Kong Road	35d/36d	LD	0.05136	50	28	Y	0800-0900	550	0.019521386	0.017967717	0.263379062	0.02829181
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	0900-1000	400	0.019229548	0.017672682	0.270738919	0.029731342
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1000-1100	400	0.019199044	0.017645173	0.269586499	0.029528413
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1100-1200	400	0.019205055	0.017652439	0.268402186	0.030186214
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1200-1300	350	0.019074842	0.017633356	0.26720014	0.031653256
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1300-1400	300	0.019805242	0.018308452	0.263155911	0.035467356
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1400-1500	350	0.020104264	0.018483254	0.256640852	0.033730669
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1500-1600	350	0.020477761	0.018825859	0.274361085	0.041501578
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1600-1700	350	0.020525492	0.018868406	0.273455631	0.040603682
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1700-1800	450	0.020387533	0.018741107	0.269249626	0.038526498
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1800-1900	350	0.019673756	0.018186081	0.269218011	0.035845034
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1900-2000	350	0.020661935	0.018992509	0.274891504	0.041186126
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2000-2100	300	0.019873249	0.018371305	0.265750845	0.036855468
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2100-2200	250	0.020502124	0.018945133	0.273577901	0.041997026
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2200-2300	250	0.020391144	0.018845458	0.273149001	0.042241008
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2300-0000	200	0.0183734	0.016998534	0.242596766	0.025310478
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0000-0100	100	0.016507586	0.01527904	0.248247415	0.010431484
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0100-0200	100	0.017448629	0.016133689	0.244054005	0.010604256
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0200-0300	100	0.018259636	0.016848632	0.279133065	0.011957192
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0300-0400	100	0.019267091	0.017736717	0.322734822	0.013638773
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0400-0500	100	0.013844564	0.012831236	0.312724443	0.01157902
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0500-0600	100	0.018621417	0.017197357	0.337052839	0.029801583
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0600-0700	100	0.021148016	0.019503668	0.293167377	0.027326956
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0700-0800	100	0.02061512	0.019034444	0.314519717	0.040064823
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0800-0900	150	0.021115786	0.019494067	0.330131793	0.052010762
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0900-1000	100	0.021898515	0.020216184	0.349856865	0.06252147
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1000-1100	100	0.021898515	0.020216184	0.349856865	0.06252147
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1100-1200	100	0.022118215	0.020414135	0.356873466	0.063965903
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1200-1300	100	0.022695571	0.020941082	0.366475705	0.070018839
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1300-1400	100	0.024362667	0.024560605	0.345227508	0.0563575
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1400-1500	100	0.024279768	0.022384938	0.342404796	0.056500806
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1500-1600	100	0.0241031	0.022227948	0.334380685	0.055531415
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1600-1700	100	0.024015196	0.022148633	0.332194779	0.055134666
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1700-1800	100	0.023862009	0.022012809	0.328192918	0.054709476
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1800-1900	100	0.023982404	0.022119316	0.343408686	0.058729456
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1900-2000	100	0.0241031	0.022227948	0.334380685	0.055531415
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2000-2100	100	0.02402416	0.022172121	0.326284689	0.059914078
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2100-2200	100	0.023721488	0.021890515	0.346776641	0.062949699
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2200-2300	100	0.024417263	0.022526616	0.347820294	0.065529628
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2300-0000	100	0.017975946	0.016629076	0.318012863	0.042060103
Po Ping Road	37/38	LD	0.09988	50	30	Y	0000-0100	200	0.020012435	0.018495852	0.458526098	0.112258721
Po Ping Road	37/38	LD	0.09988	50	30	Y	0100-0200	150	0.017376465	0.016074423	0.317961364	0.039208154
Po Ping Road	37/38	LD	0.09988	50	30	Y	0200-0300	100	0.017454198	0.01614309	0.308935954	0.036251668
Po Ping Road	37/38	LD	0.09988</									

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Ping Road	37/38	LD	0.09988	50	30	Y	0500-0600	100	0.020287305	0.01874498	0.458877192	0.114171095
Po Ping Road	37/38	LD	0.09988	50	30	Y	0600-0700	200	0.019890706	0.018382221	0.46128943	0.110278155
Po Ping Road	37/38	LD	0.09988	50	30	Y	0700-0800	400	0.020389345	0.018845174	0.469200954	0.12015031
Po Ping Road	37/38	LD	0.09988	50	28	Y	0800-0900	800	0.020873629	0.019216996	0.477956608	0.119992834
Po Ping Road	37/38	LD	0.09988	50	29	Y	0900-1000	650	0.020541007	0.018884528	0.471487316	0.118925596
Po Ping Road	37/38	LD	0.09988	50	29	Y	1000-1100	650	0.020503709	0.018850577	0.471725731	0.118933493
Po Ping Road	37/38	LD	0.09988	50	29	Y	1100-1200	650	0.020518432	0.018864778	0.474287584	0.120238476
Po Ping Road	37/38	LD	0.09988	50	29	Y	1200-1300	550	0.020671774	0.019004171	0.481558473	0.122747444
Po Ping Road	37/38	LD	0.09988	50	29	Y	1300-1400	500	0.021087087	0.019386871	0.519465813	0.139201894
Po Ping Road	37/38	LD	0.09988	50	29	Y	1400-1500	550	0.020935	0.019246943	0.515849479	0.135330805
Po Ping Road	37/38	LD	0.09988	50	29	Y	1500-1600	600	0.021084743	0.019385198	0.520268316	0.139093565
Po Ping Road	37/38	LD	0.09988	50	29	Y	1600-1700	600	0.02101322	0.019319857	0.517101449	0.136480105
Po Ping Road	37/38	LD	0.09988	50	29	Y	1700-1800	650	0.021023125	0.019329868	0.521948647	0.140364802
Po Ping Road	37/38	LD	0.09988	50	29	Y	1800-1900	600	0.020919466	0.019233366	0.512248195	0.135157705
Po Ping Road	37/38	LD	0.09988	50	29	Y	1900-2000	600	0.021020932	0.019327238	0.519194304	0.138673727
Po Ping Road	37/38	LD	0.09988	50	30	Y	2000-2100	450	0.020710723	0.019138163	0.508914255	0.136198059
Po Ping Road	37/38	LD	0.09988	50	30	Y	2100-2200	350	0.020731679	0.019156171	0.510738611	0.136448855
Po Ping Road	37/38	LD	0.09988	50	30	Y	2200-2300	350	0.020768385	0.019191585	0.511066112	0.137875589
Po Ping Road	37/38	LD	0.09988	50	30	Y	2300-0000	300	0.020691638	0.019120754	0.514386137	0.137080501
Po Ping Road	39/40	LD	0.04557	50	30	Y	0000-0100	200	0.019356563	0.017890665	0.412436769	0.088678269
Po Ping Road	39/40	LD	0.04557	50	30	Y	0100-0200	150	0.017432554	0.016123577	0.32168567	0.039676495
Po Ping Road	39/40	LD	0.04557	50	30	Y	0200-0300	100	0.017067291	0.015795514	0.304321665	0.036160844
Po Ping Road	39/40	LD	0.04557	50	30	Y	0300-0400	100	0.017290755	0.01600432	0.306128555	0.042435456
Po Ping Road	39/40	LD	0.04557	50	30	Y	0400-0500	100	0.018323552	0.016938614	0.322975246	0.048440078
Po Ping Road	39/40	LD	0.04557	50	30	Y	0500-0600	100	0.019757698	0.018257714	0.407222383	0.091168925
Po Ping Road	39/40	LD	0.04557	50	30	Y	0600-0700	150	0.019756344	0.018256518	0.44715417	0.103222835
Po Ping Road	39/40	LD	0.04557	50	29	Y	0700-0800	400	0.020017483	0.018402688	0.435194429	0.099920098
Po Ping Road	39/40	LD	0.04557	50	26	Y	0800-0900	750	0.020547679	0.018939798	0.440963002	0.0968271
Po Ping Road	39/40	LD	0.04557	50	27	Y	0900-1000	600	0.020385889	0.018767973	0.449021088	0.102697993
Po Ping Road	39/40	LD	0.04557	50	26	Y	1000-1100	600	0.020818035	0.019189958	0.459714919	0.105879727
Po Ping Road	39/40	LD	0.04557	50	27	Y	1100-1200	600	0.020479539	0.018853466	0.452632598	0.104328081
Po Ping Road	39/40	LD	0.04557	50	28	Y	1200-1300	500	0.020254048	0.018645357	0.446479213	0.102527951
Po Ping Road	39/40	LD	0.04557	50	28	Y	1300-1400	500	0.02012388	0.018524841	0.459881322	0.103887539
Po Ping Road	39/40	LD	0.04557	50	28	Y	1400-1500	500	0.020093039	0.018496742	0.457280711	0.103027265
Po Ping Road	39/40	LD	0.04557	50	27	Y	1500-1600	550	0.020463552	0.018836236	0.469821475	0.108308131
Po Ping Road	39/40	LD	0.04557	50	27	Y	1600-1700	600	0.020332374	0.018711417	0.464897161	0.10417917
Po Ping Road	39/40	LD	0.04557	50	27	Y	1700-1800	600	0.020602979	0.018964062	0.475962282	0.111734803
Po Ping Road	39/40	LD	0.04557	50	27	Y	1800-1900	550	0.020616238	0.01897746	0.479172817	0.113022393
Po Ping Road	39/40	LD	0.04557	50	27	Y	1900-2000	550	0.020391522	0.018771239	0.468588671	0.107974945
Po Ping Road	39/40	LD	0.04557	50	28	Y	2000-2100	400	0.020153381	0.01855316	0.458063918	0.104900362
Po Ping Road	39/40	LD	0.04557	50	29	Y	2100-2200	300	0.019658319	0.018074173	0.442917555	0.099672757
Po Ping Road	39/40	LD	0.04557	50	29	Y	2200-2300	300	0.019853985	0.018252926	0.445355653	0.101476506
Po Ping Road	39/40	LD	0.04557	50	30	Y	2300-0000	300	0.019528848	0.018049074	0.446962818	0.101353733
Po Ping Road	41/42	LD	0.20141	50	30	Y	0000-0100	200	0.017736046	0.01640031	0.329637603	0.045262485
Po Ping Road	41/42	LD	0.20141	50	30	Y	0100-0200	150	0.017389197	0.016085411	0.318922094	0.039191282
Po Ping Road	41/42	LD	0.20141	50	30	Y	0200-0300	100	0.017448635	0.016139355	0.304342599	0.035478629
Po Ping Road	41/42	LD	0.20141	50	30	Y	0300-0400	100	0.017711205	0.016380511	0.315524222	0.041542806
Po Ping Road	41/42	LD	0.20141	50	30	Y	0400-0500	100	0.017973793	0.016617826	0.326437901	0.047225348
Po Ping Road	41/42	LD	0.20141	50	30	Y	0500-0600	100	0.017973793	0.016617826	0.326437901	0.047225348
Po Ping Road	41/42	LD	0.20141	50	30	Y	0600-0700	100	0.017735734	0.016398667	0.329168911	0.043228179
Po Ping Road	41/42	LD	0.20141	50	29	Y	0700-0800	350	0.018694832	0.017185456	0.355813783	0.059019057
Po Ping Road	41/42	LD	0.20141	50	27	Y	0800-0900	700	0.019013235	0.017495694	0.360633235	0.057749027
Po Ping Road	41/42	LD	0.20141	50	28	Y	0900-1000	550	0.018673079	0.017188403	0.35154066	0.05493937
Po Ping Road	41/42	LD	0.20141	50	28	Y	1000-1100	550	0.018784781	0.017289779	0.357449417	0.057192104
Po Ping Road	41/42	LD	0.20141	50	28	Y	1100-1200	550	0.018717798	0.017228886	0.355227038	0.056075914
Po Ping Road	41/42	LD	0.20141	50	28	Y	1200-1300	450	0.018847576	0.017348341	0.364601765	0.059860774
Po Ping Road	41/42	LD	0.20141	50	29	Y	1300-1400	450	0.018826705	0.017308004	0.398395987	0.073631485
Po Ping Road	41/42	LD	0.20141	50	28	Y	1400-1500	450	0.019223657	0.0176954	0.404563353	0.077023065
Po Ping Road	41/42	LD	0.20141	50	28	Y	1500-1600	500	0.019086158	0.017569302	0.398983443	0.0733346
Po Ping Road	41/42	LD	0.20141	50	28	Y	1600-1700	550	0.019040031	0.017526304	0.398664002	0.071762868
Po Ping Road	41/42	LD	0.20141	50	28	Y	1700-1800	550	0.019456137	0.017909899	0.41483465	0.081789537
Po Ping Road	41/42	LD	0.20141	50	28	Y	1800-1900	500	0.019222982	0.01769472	0.403250455	0.075669889
Po Ping Road	41/42	LD	0.20141	50	28	Y	1900-2000	500	0.018988249	0.017480535	0.396344861	0.072493073
Po Ping Road	41/42	LD	0.20141	50	29	Y	2000-2100	400	0.018941	0.017414082	0.400457908	0.076945584
Po Ping Road	41/42	LD	0.20141	50	30	Y	2100-2200	300	0.018429392	0.017039805	0.385700335	0.072218109
Po Ping Road	41/42	LD	0.20141	50	30	Y	2200-2300	300	0.018560064	0.017158434	0.388957998	0.073496084
Po Ping Road	41/42	LD	0.20141	50	30	Y	2300-0000	250	0.018822199	0.017396733	0.402830389	0.077826669
Po Shek Wu Road	43	PD	0.03781	50	50	N	0000-0100	600	0.009075054	0.008307015	0.218765533	0.047999827
Po Shek Wu Road	43	PD	0.03781	50	50	N	0100-0200	450	0.008007259	0.007318621	0.183517069	0.03128156
Po Shek Wu Road	43	PD	0.03781	50	50	N	0200-0300	350	0.007832468	0.007158056	0.182561376	0.03036948
Po Shek Wu Road	43	PD	0.03781	50	50	N	0300-0400	300	0.008027585	0.00733745	0.184279303	0.031447161
Po Shek Wu Road	43	PD	0.03781	50	50	N	0400-0500	250	0.007957063	0.007272513	0.184217842	0.030923963
Po Shek Wu Road	43	PD	0.03781	50	50	N	0500-0600	250	0.009085519	0.008320695	0.22026903	0.048006619
Po Shek Wu Road	43	PD	0.03781	50	50	N	0600-0700	500	0.009048939	0.008287462	0.218321032	0.048072522
Po Shek Wu Road	43	PD	0.03781	50	45	N	0700-0800	1250	0.009694173	0.008986191	0.242973092	0.054237596
Po Shek Wu Road	43	PD	0.03781	50	39	N	0800-0900	2000	0.010828358	0.009981988	0.280608905	0.064340302
Po Shek Wu Road	43	PD	0.03781	50	40	N	0900-1000	1900	0.010628961	0.009783202	0.273626847	0.062516078
Po Shek Wu Road	43	PD	0.03781	50	40	N	1000-1100	1950	0.010631455	0.009785487	0.273428061	0.062485549
Po Shek Wu Road	43	PD	0.03781	50	40	N	1100-1200	1850	0.010601216	0.009757646	0.273254686	0.062362708
Po Shek Wu Road	43	PD	0.03781	50	42	N	1200-1300	1600	0.01020926	0.009465437	0.26046473	0.059045447
Po Shek Wu Road	43	PD	0.03781	50	43	N	1300-1400	1500	0.01053858	0.009686191	0.264007202	0.06058884
Po Shek Wu Road	43	PD	0.03781	50	42	N	1400-1500	1650	0.010650735	0.009867966	0.270499634	0.062234314
Po Shek Wu Road	43	PD	0.03781	50	41	N	1500-1600	1				

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Shek Wu Road	43	PD	0.03781	50	40	N	1600-1700	1800	0.011078724	0.010195548	0.284553053	0.066014084
Po Shek Wu Road	43	PD	0.03781	50	39	N	1700-1800	1950	0.011279554	0.010396636	0.291906114	0.067956482
Po Shek Wu Road	43	PD	0.03781	50	38	N	1800-1900	2150	0.011539753	0.010631809	0.300241856	0.070280487
Po Shek Wu Road	43	PD	0.03781	50	41	N	1900-2000	1800	0.010868254	0.009995748	0.277446576	0.064037311
Po Shek Wu Road	43	PD	0.03781	50	44	N	2000-2100	1400	0.010365527	0.009533963	0.258098341	0.059150425
Po Shek Wu Road	43	PD	0.03781	50	46	N	2100-2200	1100	0.010039217	0.00920585	0.246212653	0.05580175
Po Shek Wu Road	43	PD	0.03781	50	47	N	2200-2300	1100	0.009860885	0.009128634	0.241228097	0.054463387
Po Shek Wu Road	43	PD	0.03781	50	48	N	2300-0000	900	0.009792424	0.008968922	0.236153336	0.053165194
Po Shek Wu Road	44	PD	0.04411	50	50	N	0000-0100	500	0.008039655	0.007354718	0.198338805	0.040612311
Po Shek Wu Road	44	PD	0.04411	50	50	N	0100-0200	400	0.006845135	0.006246492	0.164830863	0.02488799
Po Shek Wu Road	44	PD	0.04411	50	50	N	0200-0300	300	0.006903217	0.006300582	0.165586338	0.025218968
Po Shek Wu Road	44	PD	0.04411	50	50	N	0300-0400	250	0.006791577	0.006197391	0.165717129	0.024675846
Po Shek Wu Road	44	PD	0.04411	50	50	N	0400-0500	200	0.006792848	0.006198517	0.166041959	0.024588153
Po Shek Wu Road	44	PD	0.04411	50	50	N	0500-0600	200	0.008024012	0.007339445	0.196952951	0.03999598
Po Shek Wu Road	44	PD	0.04411	50	50	N	0600-0700	400	0.008092184	0.00740258	0.1975856	0.040280271
Po Shek Wu Road	44	PD	0.04411	50	48	N	0700-0800	1050	0.008242786	0.007542593	0.204893905	0.042118077
Po Shek Wu Road	44	PD	0.04411	50	43	N	0800-0900	1600	0.008908701	0.008185574	0.227241916	0.047677476
Po Shek Wu Road	44	PD	0.04411	50	43	N	0900-1000	1600	0.008906222	0.008183305	0.227157473	0.047656989
Po Shek Wu Road	44	PD	0.04411	50	43	N	1000-1100	1600	0.008882452	0.008161386	0.226826351	0.047481538
Po Shek Wu Road	44	PD	0.04411	50	44	N	1100-1200	1550	0.008741506	0.008039204	0.222584412	0.046533023
Po Shek Wu Road	44	PD	0.04411	50	45	N	1200-1300	1300	0.008563271	0.007950562	0.218146805	0.045291704
Po Shek Wu Road	44	PD	0.04411	50	46	N	1300-1400	1250	0.007454787	0.006826177	0.19097279	0.035393675
Po Shek Wu Road	44	PD	0.04411	50	45	N	1400-1500	1400	0.007519901	0.00699445	0.194967922	0.036210948
Po Shek Wu Road	44	PD	0.04411	50	45	N	1500-1600	1450	0.007534063	0.007007341	0.195119876	0.036307766
Po Shek Wu Road	44	PD	0.04411	50	44	N	1600-1700	1500	0.007680176	0.00706119	0.198872657	0.037269172
Po Shek Wu Road	44	PD	0.04411	50	44	N	1700-1800	1600	0.007692359	0.007072439	0.199235628	0.037371285
Po Shek Wu Road	44	PD	0.04411	50	42	N	1800-1900	1850	0.007956581	0.007407505	0.207550176	0.039323339
Po Shek Wu Road	44	PD	0.04411	50	45	N	1900-2000	1500	0.007519579	0.006994016	0.195341531	0.03628633
Po Shek Wu Road	44	PD	0.04411	50	47	N	2000-2100	1150	0.007335744	0.006821028	0.187483426	0.034742084
Po Shek Wu Road	44	PD	0.04411	50	49	N	2100-2200	900	0.007087648	0.006586594	0.180792627	0.032999567
Po Shek Wu Road	44	PD	0.04411	50	49	N	2200-2300	900	0.007112834	0.006609833	0.181044843	0.033229365
Po Shek Wu Road	44	PD	0.04411	50	50	N	2300-0000	750	0.007017657	0.00641013	0.177622283	0.03228233
Fanling Highway Slip R	45	EX	0.23927	100	97	N	0000-0100	350	0.005415877	0.004917914	0.115066422	0.015217683
Fanling Highway Slip R	45	EX	0.23927	100	98	N	0100-0200	300	0.005325963	0.004944452	0.112716249	0.013919088
Fanling Highway Slip R	45	EX	0.23927	100	98	N	0200-0300	250	0.005380037	0.004939355	0.113756786	0.014113013
Fanling Highway Slip R	45	EX	0.23927	100	99	N	0300-0400	200	0.005491259	0.005094362	0.114233876	0.014511519
Fanling Highway Slip R	45	EX	0.23927	100	99	N	0400-0500	150	0.00522422	0.004848599	0.112548748	0.013282351
Fanling Highway Slip R	45	EX	0.23927	100	99	N	0500-0600	150	0.005398834	0.005008021	0.114931382	0.015028022
Fanling Highway Slip R	45	EX	0.23927	100	98	N	0600-0700	300	0.005543675	0.005142981	0.117125626	0.015952799
Fanling Highway Slip R	45	EX	0.23927	100	93	N	0700-0800	750	0.005310867	0.004917431	0.115348798	0.015564111
Fanling Highway Slip R	45	EX	0.23927	100	82	N	0800-0900	1250	0.005028959	0.004635764	0.116653461	0.015502827
Fanling Highway Slip R	45	EX	0.23927	100	84	N	0900-1000	1150	0.005051634	0.004656991	0.115936836	0.015474889
Fanling Highway Slip R	45	EX	0.23927	100	84	N	1000-1100	1150	0.00504399	0.004649942	0.115778203	0.015442235
Fanling Highway Slip R	45	EX	0.23927	100	85	N	1100-1200	1100	0.005161408	0.004659485	0.116054028	0.015530379
Fanling Highway Slip R	45	EX	0.23927	100	88	N	1200-1300	950	0.005128175	0.004737249	0.11482758	0.015287352
Fanling Highway Slip R	45	EX	0.23927	100	90	N	1300-1400	900	0.005002372	0.004621907	0.114764284	0.015457524
Fanling Highway Slip R	45	EX	0.23927	100	88	N	1400-1500	1000	0.004979906	0.004600873	0.114767454	0.015435524
Fanling Highway Slip R	45	EX	0.23927	100	87	N	1500-1600	1050	0.004964022	0.004600036	0.114983638	0.015341925
Fanling Highway Slip R	45	EX	0.23927	100	86	N	1600-1700	1100	0.005000699	0.004524027	0.115238091	0.01556844
Fanling Highway Slip R	45	EX	0.23927	100	84	N	1700-1800	1150	0.004909996	0.00452657	0.115577083	0.015562759
Fanling Highway Slip R	45	EX	0.23927	100	82	N	1800-1900	1250	0.004876441	0.004495332	0.116296412	0.015508894
Fanling Highway Slip R	45	EX	0.23927	100	86	N	1900-2000	1050	0.004990849	0.00451495	0.114742204	0.015391686
Fanling Highway Slip R	45	EX	0.23927	100	91	N	2000-2100	850	0.004991123	0.004611704	0.11462337	0.015353287
Fanling Highway Slip R	45	EX	0.23927	100	95	N	2100-2200	650	0.005213824	0.004824701	0.115530992	0.015629514
Fanling Highway Slip R	45	EX	0.23927	100	95	N	2200-2300	650	0.005169036	0.004783646	0.115148129	0.015481857
Fanling Highway Slip R	45	EX	0.23927	100	96	N	2300-0000	550	0.00514216	0.004759281	0.115227662	0.015374627
Fanling Highway Slip R	46	EX	0.21539	100	96	N	0000-0100	500	0.005118519	0.004738392	0.112261545	0.013782502
Fanling Highway Slip R	46	EX	0.21539	100	97	N	0100-0200	400	0.005195107	0.0047143	0.111350157	0.013337615
Fanling Highway Slip R	46	EX	0.21539	100	98	N	0200-0300	300	0.005244305	0.004869424	0.11196446	0.013604702
Fanling Highway Slip R	46	EX	0.21539	100	98	N	0300-0400	250	0.005281754	0.004903623	0.111862717	0.01373279
Fanling Highway Slip R	46	EX	0.21539	100	98	N	0400-0500	200	0.005220471	0.004847425	0.111787078	0.01343762
Fanling Highway Slip R	46	EX	0.21539	100	98	N	0500-0600	200	0.005262185	0.004886801	0.112188094	0.013595448
Fanling Highway Slip R	46	EX	0.21539	100	97	N	0600-0700	400	0.005312316	0.004822705	0.11238194	0.013783581
Fanling Highway Slip R	46	EX	0.21539	100	88	N	0700-0800	1000	0.004978425	0.004600551	0.111420872	0.013710677
Fanling Highway Slip R	46	EX	0.21539	100	72	N	0800-0900	1700	0.004878887	0.004497199	0.117706648	0.01417198
Fanling Highway Slip R	46	EX	0.21539	100	76	N	0900-1000	1550	0.004849533	0.004473912	0.115421122	0.013992812
Fanling Highway Slip R	46	EX	0.21539	100	76	N	1000-1100	1550	0.004842484	0.004467394	0.115508638	0.013971504
Fanling Highway Slip R	46	EX	0.21539	100	77	N	1100-1200	1500	0.004866817	0.004487189	0.115063445	0.014037471
Fanling Highway Slip R	46	EX	0.21539	100	81	N	1200-1300	1300	0.004895109	0.004513727	0.113620378	0.014103068
Fanling Highway Slip R	46	EX	0.21539	100	84	N	1300-1400	1200	0.004471321	0.004124588	0.108978628	0.012297995
Fanling Highway Slip R	46	EX	0.21539	100	81	N	1400-1500	1350	0.004504039	0.004154618	0.109823083	0.012553961
Fanling Highway Slip R	46	EX	0.21539	100	79	N	1500-1600	1400	0.00444702	0.004103505	0.110450727	0.012413192
Fanling Highway Slip R	46	EX	0.21539	100	78	N	1600-1700	1450	0.004486014	0.004135901	0.111017973	0.012553446
Fanling Highway Slip R	46	EX	0.21539	100	76	N	1700-1800	1600	0.004511023	0.004162697	0.111852514	0.012677221
Fanling Highway Slip R	46	EX	0.21539	100	75	N	1800-1900	1650	0.004499211	0.004148406	0.112267435	0.012632771
Fanling Highway Slip R	46	EX	0.21539	100	79	N	1900-2000	1450	0.004499452	0.004151753	0.110514988	0.012585392
Fanling Highway Slip R	46	EX	0.21539	100	85	N	2000-2100	1150	0.004600712	0.004141566	0.10873132	0.012344698
Fanling Highway Slip R	46	EX	0.21539	100	90	N	2100-2200	900	0.004592842	0.004247171	0.107915334	0.012218558
Fanling Highway Slip R	46	EX	0.21539	100	91	N	2200-2300	900	0.004634862	0.004285747	0.108117484	0.012365121
Fanling Highway Slip R	46	EX	0.21539	100	94	N	2300-0000	750	0.004771528	0.004420063	0.108269503	0.012381037
Fanling Highway Slip R	47	EX	0.2288	100	98	N	0000-0100	250	0.005571662	0.005163033	0.130636922	0.02497696
Fanling Highway Slip R	47	EX	0.2288	100	98	N	0100-0200	200	0.004736396	0.004402988	0.108586447	0.011610307
Fanling Highway Slip R	47	EX	0.2288	100	99	N	0200-0300	150	0.004864435	0.004518925	0.109	

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fanling Highway Slip R	47	EX	0.2288	100	99	N	0300-0400	150	0.004684656	0.004354016	0.107668767	0.011285155
Fanling Highway Slip R	47	EX	0.2288	100	99	N	0400-0500	100	0.004305961	0.004006124	0.106519566	0.0102217
Fanling Highway Slip R	47	EX	0.2288	100	99	N	0500-0600	100	0.005058748	0.004690707	0.130055482	0.020824026
Fanling Highway Slip R	47	EX	0.2288	100	98	N	0600-0700	200	0.005367355	0.004975802	0.127486696	0.021073539
Fanling Highway Slip R	47	EX	0.2288	100	95	N	0700-0800	550	0.005373117	0.004967079	0.129756353	0.0223951
Fanling Highway Slip R	47	EX	0.2288	100	88	N	0800-0900	950	0.005233555	0.004830156	0.128785146	0.022114125
Fanling Highway Slip R	47	EX	0.2288	100	90	N	0900-1000	850	0.005285472	0.004878244	0.129187161	0.022394891
Fanling Highway Slip R	47	EX	0.2288	100	90	N	1000-1100	850	0.005274384	0.004867992	0.129082907	0.02229355
Fanling Highway Slip R	47	EX	0.2288	100	91	N	1100-1200	850	0.005270891	0.004864677	0.129257231	0.022281464
Fanling Highway Slip R	47	EX	0.2288	100	93	N	1200-1300	700	0.005358584	0.004956265	0.128709861	0.022054241
Fanling Highway Slip R	47	EX	0.2288	100	95	N	1300-1400	700	0.004488348	0.004157306	0.117372097	0.016709513
Fanling Highway Slip R	47	EX	0.2288	100	93	N	1400-1500	750	0.004509623	0.004178243	0.116745274	0.016753078
Fanling Highway Slip R	47	EX	0.2288	100	92	N	1500-1600	800	0.004520583	0.004074328	0.117584772	0.017018089
Fanling Highway Slip R	47	EX	0.2288	100	92	N	1600-1700	800	0.004558177	0.004109041	0.117676537	0.017077538
Fanling Highway Slip R	47	EX	0.2288	100	91	N	1700-1800	900	0.004425712	0.004090663	0.117371598	0.017066047
Fanling Highway Slip R	47	EX	0.2288	100	90	N	1800-1900	950	0.004384964	0.004053262	0.116914689	0.016839194
Fanling Highway Slip R	47	EX	0.2288	100	92	N	1900-2000	800	0.004488477	0.004044813	0.117142009	0.016800634
Fanling Highway Slip R	47	EX	0.2288	100	95	N	2000-2100	650	0.004540988	0.00420557	0.117847916	0.016958993
Fanling Highway Slip R	47	EX	0.2288	100	96	N	2100-2200	500	0.004569266	0.004231867	0.11808185	0.017273717
Fanling Highway Slip R	47	EX	0.2288	100	96	N	2200-2300	500	0.004509639	0.004177165	0.117453144	0.016802726
Fanling Highway Slip R	47	EX	0.2288	100	97	N	2300-0000	400	0.004712626	0.00426312	0.117821702	0.017021871
Fanling Highway Slip R	48	EX	0.17473	100	97	N	0000-0100	450	0.007314211	0.006666321	0.151391698	0.032000083
Fanling Highway Slip R	48	EX	0.17473	100	98	N	0100-0200	350	0.006491772	0.006014682	0.122022651	0.018133557
Fanling Highway Slip R	48	EX	0.17473	100	99	N	0200-0300	250	0.006440852	0.005966273	0.123188669	0.018084633
Fanling Highway Slip R	48	EX	0.17473	100	99	N	0300-0400	200	0.006477143	0.005999361	0.12364495	0.018316491
Fanling Highway Slip R	48	EX	0.17473	100	99	N	0400-0500	200	0.006524715	0.006043553	0.123372971	0.018329881
Fanling Highway Slip R	48	EX	0.17473	100	99	N	0500-0600	200	0.007453081	0.006887075	0.154088299	0.032765005
Fanling Highway Slip R	48	EX	0.17473	100	98	N	0600-0700	350	0.007287303	0.006736328	0.153061537	0.0323089
Fanling Highway Slip R	48	EX	0.17473	100	95	N	0700-0800	950	0.007242981	0.006679389	0.151750292	0.032394373
Fanling Highway Slip R	48	EX	0.17473	100	86	N	0800-0900	1500	0.007054028	0.006415119	0.151756923	0.032203035
Fanling Highway Slip R	48	EX	0.17473	100	87	N	0900-1000	1450	0.007062687	0.006519131	0.15169028	0.03224192
Fanling Highway Slip R	48	EX	0.17473	100	87	N	1000-1100	1450	0.007070878	0.006526695	0.151541705	0.032240616
Fanling Highway Slip R	48	EX	0.17473	100	88	N	1100-1200	1400	0.007098897	0.006539441	0.151417866	0.03230882
Fanling Highway Slip R	48	EX	0.17473	100	91	N	1200-1300	1200	0.007080583	0.006523444	0.151067158	0.032180958
Fanling Highway Slip R	48	EX	0.17473	100	91	N	1300-1400	1150	0.007556852	0.006960686	0.155205087	0.033910922
Fanling Highway Slip R	48	EX	0.17473	100	90	N	1400-1500	1250	0.007565896	0.00696891	0.154868766	0.033827105
Fanling Highway Slip R	48	EX	0.17473	100	88	N	1500-1600	1300	0.007542078	0.006946299	0.154930597	0.033768189
Fanling Highway Slip R	48	EX	0.17473	100	88	N	1600-1700	1350	0.007542062	0.006946299	0.155028832	0.033847868
Fanling Highway Slip R	48	EX	0.17473	100	86	N	1700-1800	1450	0.007536333	0.00686073	0.155990157	0.033940132
Fanling Highway Slip R	48	EX	0.17473	100	83	N	1800-1900	1650	0.007453645	0.006856224	0.157185417	0.034029096
Fanling Highway Slip R	48	EX	0.17473	100	88	N	1900-2000	1350	0.007556932	0.006959866	0.155227393	0.033935545
Fanling Highway Slip R	48	EX	0.17473	100	93	N	2000-2100	1050	0.007675686	0.007082095	0.155163437	0.033843523
Fanling Highway Slip R	48	EX	0.17473	100	95	N	2100-2200	850	0.007709273	0.00710704	0.15550325	0.03396049
Fanling Highway Slip R	48	EX	0.17473	100	95	N	2200-2300	800	0.00766162	0.00706333	0.155055418	0.033737837
Fanling Highway Slip R	48	EX	0.17473	100	96	N	2300-0000	650	0.007635034	0.007039399	0.155277282	0.033741442
Fanling Highway EB	49	EX	0.49094	100	97	N	0000-0100	1200	0.006417597	0.005843158	0.127916986	0.020879436
Fanling Highway EB	49	EX	0.49094	100	97	N	0100-0200	1000	0.006136831	0.005586033	0.119956977	0.017006099
Fanling Highway EB	49	EX	0.49094	100	98	N	0200-0300	750	0.006155242	0.005705672	0.119976483	0.017036242
Fanling Highway EB	49	EX	0.49094	100	98	N	0300-0400	600	0.006053193	0.005612104	0.119537067	0.016682428
Fanling Highway EB	49	EX	0.49094	100	99	N	0400-0500	500	0.006176421	0.005723664	0.120478019	0.017145098
Fanling Highway EB	49	EX	0.49094	100	99	N	0500-0600	500	0.006439549	0.005963022	0.128151387	0.020816655
Fanling Highway EB	49	EX	0.49094	100	97	N	0600-0700	1000	0.006369462	0.005798917	0.127405311	0.020639901
Fanling Highway EB	49	EX	0.49094	100	91	N	0700-0800	2550	0.006138086	0.005663555	0.127040618	0.020800755
Fanling Highway EB	49	EX	0.49094	100	78	N	0800-0900	4400	0.006018206	0.005539507	0.131028717	0.021140954
Fanling Highway EB	49	EX	0.49094	100	81	N	0900-1000	3900	0.005999779	0.005526214	0.129436013	0.021001714
Fanling Highway EB	49	EX	0.49094	100	81	N	1000-1100	3900	0.006005122	0.005531138	0.129440117	0.02100939
Fanling Highway EB	49	EX	0.49094	100	82	N	1100-1200	3800	0.006010658	0.005535886	0.129104408	0.020901516
Fanling Highway EB	49	EX	0.49094	100	86	N	1200-1300	3250	0.006117712	0.005555198	0.127592075	0.020819246
Fanling Highway EB	49	EX	0.49094	100	87	N	1300-1400	3050	0.006185578	0.005719641	0.128717586	0.021455452
Fanling Highway EB	49	EX	0.49094	100	85	N	1400-1500	3400	0.006191935	0.005610881	0.129363513	0.021503073
Fanling Highway EB	49	EX	0.49094	100	84	N	1500-1600	3600	0.006087682	0.00560689	0.129523417	0.021489635
Fanling Highway EB	49	EX	0.49094	100	83	N	1600-1700	3700	0.006077607	0.005597298	0.13001681	0.021511297
Fanling Highway EB	49	EX	0.49094	100	81	N	1700-1800	4000	0.006096179	0.005614535	0.13090042	0.021709407
Fanling Highway EB	49	EX	0.49094	100	80	N	1800-1900	4050	0.006081872	0.005603913	0.131112853	0.021666325
Fanling Highway EB	49	EX	0.49094	100	83	N	1900-2000	3650	0.006075145	0.005595094	0.129994874	0.021487269
Fanling Highway EB	49	EX	0.49094	100	89	N	2000-2100	2850	0.006187284	0.005707104	0.128077196	0.021347852
Fanling Highway EB	49	EX	0.49094	100	93	N	2100-2200	2250	0.00631822	0.00584105	0.128317535	0.021402247
Fanling Highway EB	49	EX	0.49094	100	93	N	2200-2300	2200	0.00633293	0.005854552	0.128521407	0.021437444
Fanling Highway EB	49	EX	0.49094	100	95	N	2300-0000	1850	0.006327039	0.005844204	0.128659553	0.021391738
Fanling Highway WB	50	EX	0.53938	100	97	N	0000-0100	1300	0.006365969	0.00579602	0.126381736	0.020130125
Fanling Highway WB	50	EX	0.53938	100	97	N	0100-0200	1100	0.006162587	0.005609819	0.12014762	0.017105074
Fanling Highway WB	50	EX	0.53938	100	98	N	0200-0300	800	0.006210153	0.005756076	0.120769326	0.01729628
Fanling Highway WB	50	EX	0.53938	100	98	N	0300-0400	650	0.006227019	0.005771671	0.120831865	0.017319084
Fanling Highway WB	50	EX	0.53938	100	99	N	0400-0500	550	0.006178046	0.005725129	0.120835116	0.017169238
Fanling Highway WB	50	EX	0.53938	100	99	N	0500-0600	550	0.006405543	0.005932171	0.126655292	0.020217706
Fanling Highway WB	50	EX	0.53938	100	97	N	0600-0700	1050	0.006347365	0.005779009	0.1264403	0.020098952
Fanling Highway WB	50	EX	0.53938	100	90	N	0700-0800	2700	0.006109118	0.005637194	0.125670181	0.020205974
Fanling Highway WB	50	EX	0.53938	100	74	N	0800-0900	4900	0.006013829	0.005537366	0.13221292	0.020685124
Fanling Highway WB	50	EX	0.53938	100	80	N	0900-1000	4150	0.005990686	0.005520694	0.128643782	0.020463517
Fanling Highway WB	50	EX	0.53938	100	80	N	1000-1100	4150	0.005995901	0.00552549	0.128687009	0.020473093
Fanling Highway WB	50	EX	0.53938	100	80	N	1100-1200	4050	0.005993535	0.005523317	0.128605367	0.02043294
Fanling Highway WB	50	EX	0.53938	100	85	N	1200-1300	3450	0.006090466	0.005517716	0.126763746	0.02024294
Fanling Highway WB	50	EX	0.53938	100	85	N	1300-1400	3250	0.006826692	0.006198083	0.134798814	0.023665355

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fanling Highway WB	50	EX	0.53938	100	83	N	1400-1500	3600	0.006726623	0.006193303	0.135682151	0.023744165
Fanling Highway WB	50	EX	0.53938	100	81	N	1500-1600	3800	0.006734171	0.006200352	0.136667134	0.023939249
Fanling Highway WB	50	EX	0.53938	100	80	N	1600-1700	3950	0.006737422	0.0062065	0.137110911	0.023950949
Fanling Highway WB	50	EX	0.53938	100	78	N	1700-1800	4250	0.006742974	0.006203989	0.138350122	0.024020377
Fanling Highway WB	50	EX	0.53938	100	79	N	1800-1900	4050	0.006731387	0.006200669	0.137722574	0.023977761
Fanling Highway WB	50	EX	0.53938	100	81	N	1900-2000	3850	0.006729343	0.006195926	0.136660294	0.023924202
Fanling Highway WB	50	EX	0.53938	100	87	N	2000-2100	3050	0.006825485	0.006306746	0.13414262	0.023664905
Fanling Highway WB	50	EX	0.53938	100	92	N	2100-2200	2400	0.006961137	0.006331739	0.133624106	0.023593868
Fanling Highway WB	50	EX	0.53938	100	92	N	2200-2300	2350	0.006966383	0.006336599	0.133897324	0.023677699
Fanling Highway WB	50	EX	0.53938	100	95	N	2300-0000	1950	0.006983491	0.00644605	0.134147255	0.023678246
Tai Tau Leng Roundab	51	LD	0.02892	50	50	N	0000-0100	750	0.006552653	0.005980258	0.167558589	0.028138221
Tai Tau Leng Roundab	51	LD	0.02892	50	50	N	0100-0200	600	0.005843303	0.00532297	0.149970647	0.019529454
Tai Tau Leng Roundab	51	LD	0.02892	50	50	N	0200-0300	450	0.005893096	0.005368804	0.149890003	0.019763517
Tai Tau Leng Roundab	51	LD	0.02892	50	50	N	0300-0400	400	0.005836672	0.005316886	0.149454788	0.019339439
Tai Tau Leng Roundab	51	LD	0.02892	50	50	N	0400-0500	300	0.005848453	0.005327862	0.149303993	0.019556233
Tai Tau Leng Roundab	51	LD	0.02892	50	50	N	0500-0600	300	0.006495747	0.005927665	0.166318879	0.027594054
Tai Tau Leng Roundab	51	LD	0.02892	50	50	N	0600-0700	600	0.006522848	0.005952931	0.167337996	0.028115658
Tai Tau Leng Roundab	51	LD	0.02892	50	45	N	0700-0800	1600	0.007075883	0.00658719	0.184252716	0.031880525
Tai Tau Leng Roundab	51	LD	0.02892	50	38	N	0800-0900	2600	0.008186282	0.007555259	0.214118375	0.038722394
Tai Tau Leng Roundab	51	LD	0.02892	50	39	N	0900-1000	2450	0.007984632	0.007365613	0.209187699	0.037531061
Tai Tau Leng Roundab	51	LD	0.02892	50	39	N	1000-1100	2450	0.007992131	0.00737255	0.209252668	0.037497957
Tai Tau Leng Roundab	51	LD	0.02892	50	39	N	1100-1200	2350	0.007991938	0.007372389	0.209172459	0.037496315
Tai Tau Leng Roundab	51	LD	0.02892	50	42	N	1200-1300	2050	0.007475499	0.006967945	0.195773785	0.034541077
Tai Tau Leng Roundab	51	LD	0.02892	50	43	N	1300-1400	1900	0.00680466	0.006249034	0.179279055	0.028998255
Tai Tau Leng Roundab	51	LD	0.02892	50	41	N	1400-1500	2100	0.007060434	0.006493156	0.18669002	0.030613505
Tai Tau Leng Roundab	51	LD	0.02892	50	41	N	1500-1600	2250	0.00705229	0.006485721	0.186833042	0.030569779
Tai Tau Leng Roundab	51	LD	0.02892	50	40	N	1600-1700	2300	0.007215011	0.006654299	0.190708374	0.0313698
Tai Tau Leng Roundab	51	LD	0.02892	50	39	N	1700-1800	2500	0.007391154	0.006819869	0.194903709	0.032347058
Tai Tau Leng Roundab	51	LD	0.02892	50	37	N	1800-1900	2700	0.007751598	0.0071704	0.203829099	0.03434052
Tai Tau Leng Roundab	51	LD	0.02892	50	40	N	1900-2000	2250	0.007214544	0.006653817	0.190779411	0.031447499
Tai Tau Leng Roundab	51	LD	0.02892	50	44	N	2000-2100	1800	0.006613406	0.006078251	0.175893075	0.02814247
Tai Tau Leng Roundab	51	LD	0.02892	50	46	N	2100-2200	1400	0.006442783	0.005894029	0.169557249	0.026851406
Tai Tau Leng Roundab	51	LD	0.02892	50	46	N	2200-2300	1400	0.006433658	0.005885693	0.169779596	0.026876479
Tai Tau Leng Roundab	51	LD	0.02892	50	48	N	2300-0000	1150	0.006275878	0.005730729	0.163968609	0.025817676
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	0000-0100	300	0.008088177	0.007399522	0.1984026	0.039471978
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	0100-0200	250	0.007444182	0.006799317	0.175660606	0.02811812
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	0200-0300	150	0.007632153	0.006972258	0.175822989	0.029092449
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	0300-0400	150	0.007449846	0.006804387	0.174356458	0.028333225
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	0400-0500	100	0.007572623	0.006918168	0.175498336	0.028860591
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	0500-0600	100	0.007856238	0.007186284	0.197540973	0.038697449
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	0600-0700	200	0.007998343	0.007316625	0.198067164	0.039322245
Tai Tau Leng Roundab	52	LD	0.02794	50	49	N	0700-0800	600	0.008113669	0.007524359	0.202688782	0.040418819
Tai Tau Leng Roundab	52	LD	0.02794	50	45	N	0800-0900	950	0.008663195	0.008040476	0.220666506	0.045033533
Tai Tau Leng Roundab	52	LD	0.02794	50	45	N	0900-1000	900	0.008673463	0.008049842	0.220665573	0.045051654
Tai Tau Leng Roundab	52	LD	0.02794	50	45	N	1000-1100	900	0.00866165	0.008039108	0.220229827	0.044946532
Tai Tau Leng Roundab	52	LD	0.02794	50	46	N	1100-1200	850	0.008606933	0.007886526	0.21612336	0.044009668
Tai Tau Leng Roundab	52	LD	0.02794	50	47	N	1200-1300	750	0.008404204	0.007796676	0.211771292	0.042859213
Tai Tau Leng Roundab	52	LD	0.02794	50	48	N	1300-1400	700	0.007391443	0.006756976	0.187419696	0.034026586
Tai Tau Leng Roundab	52	LD	0.02794	50	47	N	1400-1500	750	0.007513448	0.006983088	0.19123875	0.035195243
Tai Tau Leng Roundab	52	LD	0.02794	50	47	N	1500-1600	800	0.007402785	0.00694345	0.191194477	0.034919675
Tai Tau Leng Roundab	52	LD	0.02794	50	46	N	1600-1700	850	0.007688898	0.007040719	0.195560112	0.036115079
Tai Tau Leng Roundab	52	LD	0.02794	50	45	N	1700-1800	900	0.007752709	0.007206256	0.19942669	0.036986362
Tai Tau Leng Roundab	52	LD	0.02794	50	44	N	1800-1900	1000	0.007905291	0.007266961	0.203792357	0.038068646
Tai Tau Leng Roundab	52	LD	0.02794	50	46	N	1900-2000	850	0.007690234	0.007042023	0.19569998	0.036193149
Tai Tau Leng Roundab	52	LD	0.02794	50	48	N	2000-2100	650	0.007451906	0.00681245	0.187225464	0.034191415
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	2100-2200	500	0.007234243	0.006610171	0.180949473	0.032685165
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	2200-2300	500	0.007289121	0.006660415	0.18157789	0.033101647
Tai Tau Leng Roundab	52	LD	0.02794	50	50	N	2300-0000	400	0.007282845	0.006654605	0.180951485	0.032877643
Tai Tau Leng Roundab	53	LD	0.02937	50	50	N	0000-0100	800	0.006521561	0.005951306	0.166524054	0.027507262
Tai Tau Leng Roundab	53	LD	0.02937	50	50	N	0100-0200	650	0.005931318	0.005404064	0.150432771	0.019978171
Tai Tau Leng Roundab	53	LD	0.02937	50	50	N	0200-0300	500	0.005902237	0.005377114	0.150988091	0.01992215
Tai Tau Leng Roundab	53	LD	0.02937	50	50	N	0300-0400	400	0.005885017	0.005361369	0.149880283	0.019626594
Tai Tau Leng Roundab	53	LD	0.02937	50	50	N	0400-0500	350	0.005905971	0.00538089	0.150523779	0.019835986
Tai Tau Leng Roundab	53	LD	0.02937	50	50	N	0500-0600	350	0.006460341	0.005894721	0.166131374	0.02718359
Tai Tau Leng Roundab	53	LD	0.02937	50	50	N	0600-0700	650	0.006561215	0.005987854	0.166775916	0.027738862
Tai Tau Leng Roundab	53	LD	0.02937	50	44	N	0700-0800	1700	0.00718424	0.006603525	0.186460125	0.02050504
Tai Tau Leng Roundab	53	LD	0.02937	50	35	N	0800-0900	2950	0.008721228	0.00806497	0.228722045	0.041578722
Tai Tau Leng Roundab	53	LD	0.02937	50	38	N	0900-1000	2600	0.00813311	0.007506399	0.212312755	0.037836627
Tai Tau Leng Roundab	53	LD	0.02937	50	38	N	1000-1100	2600	0.008117016	0.007491577	0.212255495	0.037796538
Tai Tau Leng Roundab	53	LD	0.02937	50	38	N	1100-1200	2550	0.008117306	0.007491947	0.212428162	0.037771819
Tai Tau Leng Roundab	53	LD	0.02937	50	41	N	1200-1300	2150	0.007577757	0.006969618	0.198057412	0.034497335
Tai Tau Leng Roundab	53	LD	0.02937	50	42	N	1300-1400	2050	0.006794248	0.006345499	0.181523832	0.029196091
Tai Tau Leng Roundab	53	LD	0.02937	50	40	N	1400-1500	2250	0.007131567	0.006577663	0.189115945	0.030819436
Tai Tau Leng Roundab	53	LD	0.02937	50	40	N	1500-1600	2400	0.007145487	0.006590441	0.189449175	0.031008792
Tai Tau Leng Roundab	53	LD	0.02937	50	39	N	1600-1700	2450	0.007324414	0.006758553	0.193632021	0.031894655
Tai Tau Leng Roundab	53	LD	0.02937	50	38	N	1700-1800	2650	0.007503615	0.006928918	0.197603544	0.032789917
Tai Tau Leng Roundab	53	LD	0.02937	50	38	N	1800-1900	2700	0.007492478	0.006918634	0.197561396	0.032777831
Tai Tau Leng Roundab	53	LD	0.02937	50	39	N	1900-2000	2400	0.007308256	0.006743779	0.193235463	0.031796518
Tai Tau Leng Roundab	53	LD	0.02937	50	43	N	2000-2100	1900	0.006723244	0.006174087	0.177723044	0.028501804
Tai Tau Leng Roundab	53	LD	0.02937	50	46	N	2100-2200	1500	0.006352708	0.005811148	0.168187311	0.026431995
Tai Tau Leng Roundab	53	LD	0.02937	50	46	N	2200-2300	1500	0.006359564	0.005817425	0.168310877	0.026407694
Tai Tau Leng Roundab	53	LD	0.02937	50	47	N	2300-0000	1200	0.006200947	0.005783323	0.165077463	0.025811335
Tai Tau Leng Roundab	54	LD	0.0411	50	50	N	0000-0100	550	0.006532955	0.005960431	0.164463611	0.025758999

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (V/M)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Tai Tau Leng Roundab	54	LD	0.0411	50	50	N	0100-0200	450	0.006147678	0.005603881	0.153660728	0.021037119
Tai Tau Leng Roundab	54	LD	0.0411	50	50	N	0200-0300	350	0.006030984	0.005496248	0.153617099	0.020520778
Tai Tau Leng Roundab	54	LD	0.0411	50	50	N	0300-0400	250	0.006135367	0.005592631	0.153214554	0.020958551
Tai Tau Leng Roundab	54	LD	0.0411	50	50	N	0400-0500	200	0.006099092	0.005558562	0.152399469	0.020673408
Tai Tau Leng Roundab	54	LD	0.0411	50	50	N	0500-0600	250	0.006700327	0.006114171	0.165657004	0.026509098
Tai Tau Leng Roundab	54	LD	0.0411	50	50	N	0600-0700	450	0.006667593	0.006084704	0.16499397	0.026550056
Tai Tau Leng Roundab	54	LD	0.0411	50	43	N	0700-0800	1150	0.007454691	0.006847871	0.189163002	0.031698187
Tai Tau Leng Roundab	54	LD	0.0411	50	34	N	0800-0900	2000	0.009025169	0.008353944	0.234489661	0.041767884
Tai Tau Leng Roundab	54	LD	0.0411	50	37	N	0900-1000	1750	0.008405234	0.007771136	0.216742024	0.03773865
Tai Tau Leng Roundab	54	LD	0.0411	50	37	N	1000-1100	1750	0.008400212	0.007766453	0.216684764	0.037777789
Tai Tau Leng Roundab	54	LD	0.0411	50	37	N	1100-1200	1700	0.008422309	0.007786795	0.217076205	0.037909868
Tai Tau Leng Roundab	54	LD	0.0411	50	40	N	1200-1300	1450	0.007860632	0.007247053	0.201584901	0.034301284
Tai Tau Leng Roundab	54	LD	0.0411	50	41	N	1300-1400	1350	0.007359627	0.006769271	0.191230526	0.031739853
Tai Tau Leng Roundab	54	LD	0.0411	50	40	N	1400-1500	1500	0.007524729	0.006938896	0.195249493	0.032655167
Tai Tau Leng Roundab	54	LD	0.0411	50	39	N	1500-1600	1600	0.007699955	0.007103564	0.199660705	0.033621948
Tai Tau Leng Roundab	54	LD	0.0411	50	38	N	1600-1700	1650	0.007901332	0.007294448	0.204427485	0.034748827
Tai Tau Leng Roundab	54	LD	0.0411	50	37	N	1700-1800	1800	0.008053061	0.007447497	0.208423872	0.035582837
Tai Tau Leng Roundab	54	LD	0.0411	50	37	N	1800-1900	1750	0.008068913	0.007462029	0.208981993	0.035702782
Tai Tau Leng Roundab	54	LD	0.0411	50	38	N	1900-2000	1600	0.007866924	0.007262841	0.203895468	0.034462798
Tai Tau Leng Roundab	54	LD	0.0411	50	42	N	2000-2100	1300	0.007137022	0.006658741	0.186198832	0.030575557
Tai Tau Leng Roundab	54	LD	0.0411	50	45	N	2100-2200	1000	0.006764443	0.006301628	0.175955985	0.028310244
Tai Tau Leng Roundab	54	LD	0.0411	50	45	N	2200-2300	1000	0.006769593	0.006306408	0.176113813	0.028421273
Tai Tau Leng Roundab	54	LD	0.0411	50	47	N	2300-0000	800	0.006555003	0.00610833	0.169585187	0.026951764
Tai Tau Leng Roundab	55	LD	0.03223	50	49	N	0000-0100	1000	0.007377684	0.006851331	0.186762086	0.034638716
Tai Tau Leng Roundab	55	LD	0.03223	50	50	N	0100-0200	800	0.006616721	0.006036344	0.162090102	0.023764475
Tai Tau Leng Roundab	55	LD	0.03223	50	50	N	0200-0300	600	0.006588381	0.006010208	0.16187334	0.023509199
Tai Tau Leng Roundab	55	LD	0.03223	50	50	N	0300-0400	500	0.006598809	0.006019735	0.161327788	0.023536238
Tai Tau Leng Roundab	55	LD	0.03223	50	50	N	0400-0500	400	0.006645786	0.006063316	0.162510608	0.023790369
Tai Tau Leng Roundab	55	LD	0.03223	50	50	N	0500-0600	400	0.007436618	0.006796678	0.183982298	0.034190642
Tai Tau Leng Roundab	55	LD	0.03223	50	50	N	0600-0700	800	0.007336822	0.006704849	0.183019798	0.033919162
Tai Tau Leng Roundab	55	LD	0.03223	50	41	N	0700-0800	2050	0.008509471	0.007826578	0.221046054	0.043020533
Tai Tau Leng Roundab	55	LD	0.03223	50	31	N	0800-0900	3500	0.010744045	0.009869463	0.289671266	0.060116739
Tai Tau Leng Roundab	55	LD	0.03223	50	33	N	0900-1000	3150	0.010160239	0.009427376	0.27252921	0.055714781
Tai Tau Leng Roundab	55	LD	0.03223	50	33	N	1000-1100	3200	0.010160545	0.009427569	0.272467588	0.05571293
Tai Tau Leng Roundab	55	LD	0.03223	50	33	N	1100-1200	3100	0.01014891	0.00941698	0.272361275	0.05562874
Tai Tau Leng Roundab	55	LD	0.03223	50	37	N	1200-1300	2650	0.009298629	0.008591386	0.243847787	0.048687758
Tai Tau Leng Roundab	55	LD	0.03223	50	37	N	1300-1400	2500	0.009535267	0.008808728	0.250742345	0.051310248
Tai Tau Leng Roundab	55	LD	0.03223	50	36	N	1400-1500	2750	0.009776733	0.009022497	0.257983605	0.0531
Tai Tau Leng Roundab	55	LD	0.03223	50	34	N	1500-1600	2900	0.010213348	0.009444999	0.272915356	0.056890552
Tai Tau Leng Roundab	55	LD	0.03223	50	34	N	1600-1700	3000	0.010217097	0.00944841	0.272900421	0.056856514
Tai Tau Leng Roundab	55	LD	0.03223	50	32	N	1700-1800	3250	0.010779016	0.009888759	0.289470549	0.06111266
Tai Tau Leng Roundab	55	LD	0.03223	50	31	N	1800-1900	3400	0.011018052	0.01012184	0.298778769	0.06345019
Tai Tau Leng Roundab	55	LD	0.03223	50	34	N	1900-2000	2950	0.010192056	0.009425381	0.272609436	0.056681546
Tai Tau Leng Roundab	55	LD	0.03223	50	39	N	2000-2100	2350	0.009150987	0.00843837	0.238664959	0.048285502
Tai Tau Leng Roundab	55	LD	0.03223	50	42	N	2100-2200	1850	0.008571157	0.007968393	0.222568139	0.04290869
Tai Tau Leng Roundab	55	LD	0.03223	50	43	N	2200-2300	1800	0.008467032	0.007779167	0.217157669	0.042952458
Tai Tau Leng Roundab	55	LD	0.03223	50	45	N	2300-0000	1500	0.008115874	0.007539551	0.208374755	0.040696528
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	0000-0100	400	0.004870712	0.004425953	0.132913178	0.014014345
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	0100-0200	350	0.005042252	0.004584329	0.134554532	0.014910846
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	0200-0300	250	0.004958067	0.004506807	0.134689862	0.014514995
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	0300-0400	200	0.005110134	0.00464608	0.135414179	0.015087439
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	0400-0500	150	0.004865192	0.004420417	0.131443879	0.013866285
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	0500-0600	150	0.004884085	0.004437766	0.132141594	0.013987324
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	0600-0700	300	0.005033207	0.004575783	0.134588377	0.014757636
Tai Tau Leng Roundab	56	LD	0.02826	50	48	N	0700-0800	800	0.00513701	0.004680713	0.139139473	0.015304861
Tai Tau Leng Roundab	56	LD	0.02826	50	41	N	0800-0900	1450	0.00584488	0.005377156	0.156845121	0.018291611
Tai Tau Leng Roundab	56	LD	0.02826	50	43	N	0900-1000	1250	0.00562551	0.005163709	0.150813734	0.017298163
Tai Tau Leng Roundab	56	LD	0.02826	50	43	N	1000-1100	1250	0.005620457	0.00515901	0.150822876	0.017269613
Tai Tau Leng Roundab	56	LD	0.02826	50	43	N	1100-1200	1200	0.005619057	0.005157722	0.150828154	0.017250655
Tai Tau Leng Roundab	56	LD	0.02826	50	45	N	1200-1300	1050	0.005345661	0.005000554	0.145857486	0.016369346
Tai Tau Leng Roundab	56	LD	0.02826	50	46	N	1300-1400	1000	0.00458478	0.004182621	0.129947849	0.011609888
Tai Tau Leng Roundab	56	LD	0.02826	50	45	N	1400-1500	1100	0.004635667	0.004351457	0.131655637	0.012007573
Tai Tau Leng Roundab	56	LD	0.02826	50	45	N	1500-1600	1150	0.004642861	0.004357943	0.13176607	0.01200812
Tai Tau Leng Roundab	56	LD	0.02826	50	44	N	1600-1700	1200	0.004801848	0.004409007	0.134378937	0.012508127
Tai Tau Leng Roundab	56	LD	0.02826	50	43	N	1700-1800	1300	0.004857467	0.004456547	0.135248819	0.012247832
Tai Tau Leng Roundab	56	LD	0.02826	50	44	N	1800-1900	1250	0.004745167	0.004356848	0.133540227	0.012191151
Tai Tau Leng Roundab	56	LD	0.02826	50	44	N	1900-2000	1150	0.004769355	0.004379073	0.134156686	0.012289321
Tai Tau Leng Roundab	56	LD	0.02826	50	47	N	2000-2100	900	0.004401797	0.004138573	0.12718055	0.01124665
Tai Tau Leng Roundab	56	LD	0.02826	50	49	N	2100-2200	700	0.004282722	0.004019095	0.123682979	0.010946758
Tai Tau Leng Roundab	56	LD	0.02826	50	49	N	2200-2300	700	0.004216996	0.003958568	0.123488763	0.010676131
Tai Tau Leng Roundab	56	LD	0.02826	50	50	N	2300-0000	600	0.004174268	0.003783519	0.121073057	0.010234269
Tai Tau Leng Roundab	57	LD	0.02888	50	50	N	0000-0100	900	0.006436056	0.005871917	0.163606008	0.026244313
Tai Tau Leng Roundab	57	LD	0.02888	50	50	N	0100-0200	700	0.005847085	0.00532651	0.149650871	0.01955147
Tai Tau Leng Roundab	57	LD	0.02888	50	50	N	0200-0300	550	0.005821448	0.005303046	0.150074885	0.019476265
Tai Tau Leng Roundab	57	LD	0.02888	50	50	N	0300-0400	450	0.005807527	0.005290187	0.149115281	0.01929391
Tai Tau Leng Roundab	57	LD	0.02888	50	50	N	0400-0500	350	0.005871048	0.00534851	0.149266093	0.019453831
Tai Tau Leng Roundab	57	LD	0.02888	50	50	N	0500-0600	350	0.006438889	0.005874444	0.163210286	0.026122405
Tai Tau Leng Roundab	57	LD	0.02888	50	50	N	0600-0700	700	0.0064194	0.005856853	0.164272534	0.026421148
Tai Tau Leng Roundab	57	LD	0.02888	50	43	N	0700-0800	1850	0.007200028	0.006613197	0.186821583	0.031150704
Tai Tau Leng Roundab	57	LD	0.02888	50	35	N	0800-0900	3050	0.008607335	0.007908661	0.225367046	0.039969072
Tai Tau Leng Roundab	57	LD	0.02888	50	36	N	0900-1000	2800	0.008401419	0.007760756	0.219490462	0.038607905
Tai Tau Leng Roundab	57	LD	0.02888	50	36	N	1000-1100	2800	0.008406473	0.007765455	0.21947815	0.038584151
Tai Tau Leng Roundab	57	LD	0.02888	50	37	N	1100-1200	2750	0.008206174	0.007588121	0.214446311	0.037493467

Traffic Data and Composite Emission Factors

Operation (2036 Traffic x 2036 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (v/m)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Tai Tau Leng Roundab	57	LD	0.02888	50	40	N	1200-1300	2350	0.007637013	0.007041347	0.199635921	0.034009736
Tai Tau Leng Roundab	57	LD	0.02888	50	41	N	1300-1400	2200	0.006800203	0.006254555	0.180003533	0.027638134
Tai Tau Leng Roundab	57	LD	0.02888	50	39	N	1400-1500	2450	0.007137022	0.006585677	0.187553384	0.02922337
Tai Tau Leng Roundab	57	LD	0.02888	50	38	N	1500-1600	2600	0.007331898	0.006771331	0.192486281	0.030365682
Tai Tau Leng Roundab	57	LD	0.02888	50	38	N	1600-1700	2650	0.00731891	0.006759454	0.191885207	0.030210348
Tai Tau Leng Roundab	57	LD	0.02888	50	36	N	1700-1800	2900	0.007696591	0.007114266	0.201084974	0.032169628
Tai Tau Leng Roundab	57	LD	0.02888	50	35	N	1800-1900	3050	0.007881296	0.007294851	0.205961415	0.033616726
Tai Tau Leng Roundab	57	LD	0.02888	50	38	N	1900-2000	2600	0.007303815	0.006745501	0.191866233	0.030135562
Tai Tau Leng Roundab	57	LD	0.02888	50	42	N	2000-2100	2050	0.006633346	0.006198437	0.176455042	0.027000399
Tai Tau Leng Roundab	57	LD	0.02888	50	45	N	2100-2200	1650	0.006275878	0.005854005	0.1669439	0.025047106
Tai Tau Leng Roundab	57	LD	0.02888	50	45	N	2200-2300	1600	0.006273175	0.005851333	0.166915253	0.024947407
Tai Tau Leng Roundab	57	LD	0.02888	50	47	N	2300-0000	1350	0.006048591	0.005644484	0.16060611	0.023614001
Tai Tau Leng Roundab	58	LD	0.05305	50	50	N	0000-0100	400	0.006670087	0.006090353	0.172380811	0.031677088
Tai Tau Leng Roundab	58	LD	0.05305	50	50	N	0100-0200	350	0.005539861	0.00504304	0.143355149	0.017679931
Tai Tau Leng Roundab	58	LD	0.05305	50	50	N	0200-0300	250	0.005606182	0.005103745	0.143384697	0.018064307
Tai Tau Leng Roundab	58	LD	0.05305	50	50	N	0300-0400	200	0.005375177	0.004890893	0.141117667	0.016810612
Tai Tau Leng Roundab	58	LD	0.05305	50	50	N	0400-0500	150	0.005530318	0.005034366	0.14310649	0.01748879
Tai Tau Leng Roundab	58	LD	0.05305	50	50	N	0500-0600	200	0.006718544	0.006134707	0.173300664	0.031289365
Tai Tau Leng Roundab	58	LD	0.05305	50	50	N	0600-0700	350	0.006572802	0.006000954	0.172669962	0.031216848
Tai Tau Leng Roundab	58	LD	0.05305	50	46	N	0700-0800	900	0.007130891	0.006529157	0.186522326	0.034705487
Tai Tau Leng Roundab	58	LD	0.05305	50	40	N	0800-0900	1400	0.00791926	0.007299244	0.209002013	0.039962168
Tai Tau Leng Roundab	58	LD	0.05305	50	41	N	0900-1000	1350	0.00774661	0.007121379	0.2043143	0.038851688
Tai Tau Leng Roundab	58	LD	0.05305	50	41	N	1000-1100	1350	0.0077946	0.007165427	0.205154249	0.039206195
Tai Tau Leng Roundab	58	LD	0.05305	50	41	N	1100-1200	1300	0.007760884	0.007134463	0.204626641	0.039024709
Tai Tau Leng Roundab	58	LD	0.05305	50	43	N	1200-1300	1150	0.007490756	0.006880042	0.196427307	0.037165675
Tai Tau Leng Roundab	58	LD	0.05305	50	44	N	1300-1400	1050	0.006528787	0.006001968	0.174923333	0.029110136
Tai Tau Leng Roundab	58	LD	0.05305	50	43	N	1400-1500	1200	0.006682704	0.006136396	0.177333808	0.02958383
Tai Tau Leng Roundab	58	LD	0.05305	50	43	N	1500-1600	1250	0.006688853	0.006141691	0.177755247	0.029747984
Tai Tau Leng Roundab	58	LD	0.05305	50	42	N	1600-1700	1300	0.006776948	0.006330306	0.181802538	0.0305196
Tai Tau Leng Roundab	58	LD	0.05305	50	41	N	1700-1800	1400	0.006949099	0.006388484	0.18493548	0.031268653
Tai Tau Leng Roundab	58	LD	0.05305	50	39	N	1800-1900	1550	0.007276472	0.006715567	0.192470992	0.032872155
Tai Tau Leng Roundab	58	LD	0.05305	50	42	N	1900-2000	1250	0.006764797	0.006319508	0.180990817	0.030507916
Tai Tau Leng Roundab	58	LD	0.05305	50	45	N	2000-2100	1000	0.006419609	0.005987516	0.172150932	0.028517447
Tai Tau Leng Roundab	58	LD	0.05305	50	47	N	2100-2200	800	0.006210941	0.005791739	0.166673224	0.027442148
Tai Tau Leng Roundab	58	LD	0.05305	50	48	N	2200-2300	800	0.006194446	0.005656828	0.164096391	0.026851583
Tai Tau Leng Roundab	58	LD	0.05305	50	49	N	2300-0000	650	0.005965275	0.005559543	0.160095658	0.025760625
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0000-0100	250	0.009065692	0.008306001	0.225400649	0.051688202
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0100-0200	200	0.007648633	0.006988094	0.180269509	0.02934193
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0200-0300	150	0.007958608	0.007274058	0.183662135	0.030855228
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0300-0400	150	0.007386808	0.006746756	0.180048209	0.028459736
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0400-0500	100	0.007440786	0.006797338	0.179827278	0.02859616
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0500-0600	100	0.008770329	0.008034569	0.222307442	0.050341922
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0600-0700	200	0.009032572	0.008275311	0.225331898	0.050972221
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	0700-0800	550	0.009044115	0.008283197	0.224245623	0.051380255
Po Shek Wu Road Flyo	60	LD	0.31852	50	45	N	0800-0900	950	0.009639488	0.008937283	0.24896328	0.057851298
Po Shek Wu Road Flyo	60	LD	0.31852	50	46	N	0900-1000	850	0.009600976	0.008804287	0.244128891	0.056828898
Po Shek Wu Road Flyo	60	LD	0.31852	50	46	N	1000-1100	850	0.009575919	0.00878108	0.243433767	0.056592984
Po Shek Wu Road Flyo	60	LD	0.31852	50	47	N	1100-1200	850	0.009401723	0.008705569	0.238696663	0.055293487
Po Shek Wu Road Flyo	60	LD	0.31852	50	48	N	1200-1300	700	0.009247612	0.008467805	0.233907625	0.053659424
Po Shek Wu Road Flyo	60	LD	0.31852	50	49	N	1300-1400	700	0.008502744	0.007880604	0.220780415	0.050013149
Po Shek Wu Road Flyo	60	LD	0.31852	50	48	N	1400-1500	750	0.008669761	0.007936078	0.224401761	0.050957544
Po Shek Wu Road Flyo	60	LD	0.31852	50	47	N	1500-1600	800	0.008875806	0.008223506	0.230719965	0.052828857
Po Shek Wu Road Flyo	60	LD	0.31852	50	47	N	1600-1700	800	0.008835685	0.008186846	0.230273743	0.052577977
Po Shek Wu Road Flyo	60	LD	0.31852	50	46	N	1700-1800	900	0.008959926	0.008214623	0.234429713	0.053516466
Po Shek Wu Road Flyo	60	LD	0.31852	50	46	N	1800-1900	900	0.008971948	0.008225727	0.234630655	0.053683789
Po Shek Wu Road Flyo	60	LD	0.31852	50	47	N	1900-2000	800	0.008842154	0.008192816	0.230031424	0.052659812
Po Shek Wu Road Flyo	60	LD	0.31852	50	49	N	2000-2100	650	0.008503629	0.007881199	0.221339244	0.050094582
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	2100-2200	500	0.008535767	0.007817388	0.217797738	0.049364712
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	2200-2300	500	0.008558829	0.007838407	0.218122021	0.04934857
Po Shek Wu Road Flyo	60	LD	0.31852	50	50	N	2300-0000	400	0.008370713	0.007665499	0.215698477	0.048418836

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fan Kam Road	01/02	RR	0.10886	50	48	N	0000-0100	300	0.006716694	0.006154148	0.164261357	0.024400005
Fan Kam Road	01/02	RR	0.10886	50	48	N	0100-0200	250	0.006051436	0.005539912	0.15470031	0.020574729
Fan Kam Road	01/02	RR	0.10886	50	49	N	0200-0300	200	0.005410454	0.005049751	0.147579251	0.017522739
Fan Kam Road	01/02	RR	0.10886	50	49	N	0300-0400	150	0.005410298	0.005048834	0.149606211	0.017646704
Fan Kam Road	01/02	RR	0.10886	50	49	N	0400-0500	100	0.005279606	0.004929622	0.146735045	0.016746962
Fan Kam Road	01/02	RR	0.10886	50	49	N	0500-0600	100	0.005697633	0.00531378	0.146793617	0.017842387
Fan Kam Road	01/02	RR	0.10886	50	48	N	0600-0700	250	0.006826503	0.006255324	0.165272921	0.025136563
Fan Kam Road	01/02	RR	0.10886	50	46	N	0700-0800	650	0.007000005	0.006421029	0.169817237	0.026167776
Fan Kam Road	01/02	RR	0.10886	50	40	N	0800-0900	950	0.007683476	0.007075562	0.191473987	0.030166244
Fan Kam Road	01/02	RR	0.10886	50	40	N	0900-1000	950	0.007722045	0.007110817	0.191633211	0.030264004
Fan Kam Road	01/02	RR	0.10886	50	40	N	1000-1100	950	0.007701969	0.007092437	0.190850224	0.030113254
Fan Kam Road	01/02	RR	0.10886	50	41	N	1100-1200	950	0.007461072	0.006871281	0.187120887	0.029102774
Fan Kam Road	01/02	RR	0.10886	50	43	N	1200-1300	800	0.007283094	0.006699997	0.179080607	0.027878658
Fan Kam Road	01/02	RR	0.10886	50	44	N	1300-1400	750	0.007601254	0.006991678	0.186063266	0.029940842
Fan Kam Road	01/02	RR	0.10886	50	42	N	1400-1500	850	0.007874237	0.0072588	0.194321218	0.031655581
Fan Kam Road	01/02	RR	0.10886	50	41	N	1500-1600	850	0.007975661	0.007343136	0.198390042	0.032567235
Fan Kam Road	01/02	RR	0.10886	50	41	N	1600-1700	950	0.007945153	0.007315235	0.197727128	0.032447536
Fan Kam Road	01/02	RR	0.10886	50	39	N	1700-1800	950	0.008257897	0.007629372	0.206440906	0.03397775
Fan Kam Road	01/02	RR	0.10886	50	37	N	1800-1900	1150	0.008795518	0.008137668	0.219793383	0.037600274
Fan Kam Road	01/02	RR	0.10886	50	41	N	1900-2000	900	0.007956154	0.007325235	0.198547473	0.032511131
Fan Kam Road	01/02	RR	0.10886	50	44	N	2000-2100	700	0.007618224	0.007007478	0.186603067	0.032030553
Fan Kam Road	01/02	RR	0.10886	50	46	N	2100-2200	550	0.007288547	0.006668372	0.176901073	0.027164375
Fan Kam Road	01/02	RR	0.10886	50	46	N	2200-2300	550	0.007321531	0.006717162	0.177760985	0.028066599
Fan Kam Road	01/02	RR	0.10886	50	47	N	2300-0000	450	0.007108328	0.006616162	0.171677715	0.026547022
Fan Kam Road	03/04	RR	0.13435	50	49	N	0000-0100	250	0.006535736	0.006083359	0.160459801	0.024055019
Fan Kam Road	03/04	RR	0.13435	50	49	N	0100-0200	200	0.005680542	0.00529792	0.149782885	0.019123988
Fan Kam Road	03/04	RR	0.13435	50	49	N	0200-0300	150	0.00527301	0.004923648	0.147088806	0.016830385
Fan Kam Road	03/04	RR	0.13435	50	49	N	0300-0400	100	0.005429017	0.005066947	0.14322365	0.017580868
Fan Kam Road	03/04	RR	0.13435	50	49	N	0400-0500	100	0.005733055	0.005345267	0.14856392	0.019325864
Fan Kam Road	03/04	RR	0.13435	50	49	N	0500-0600	100	0.006344026	0.005906574	0.152512413	0.021033241
Fan Kam Road	03/04	RR	0.13435	50	49	N	0600-0700	200	0.006577936	0.006122089	0.161704648	0.02454954
Fan Kam Road	03/04	RR	0.13435	50	47	N	0700-0800	450	0.006801905	0.006337409	0.164197384	0.024670314
Fan Kam Road	03/04	RR	0.13435	50	42	N	0800-0900	850	0.007576038	0.006984736	0.183109209	0.029151186
Fan Kam Road	03/04	RR	0.13435	50	44	N	0900-1000	700	0.007257017	0.006673892	0.175542753	0.027360653
Fan Kam Road	03/04	RR	0.13435	50	44	N	1000-1100	700	0.007249476	0.006666935	0.175298558	0.027304933
Fan Kam Road	03/04	RR	0.13435	50	45	N	1100-1200	700	0.006972892	0.006505957	0.171732061	0.026112761
Fan Kam Road	03/04	RR	0.13435	50	46	N	1200-1300	600	0.007055933	0.006472638	0.170947866	0.02650734
Fan Kam Road	03/04	RR	0.13435	50	46	N	1300-1400	600	0.007119333	0.006530786	0.171842754	0.027041257
Fan Kam Road	03/04	RR	0.13435	50	45	N	1400-1500	650	0.006992623	0.006523855	0.173582381	0.026676526
Fan Kam Road	03/04	RR	0.13435	50	45	N	1500-1600	700	0.007035592	0.006563397	0.17286375	0.026642051
Fan Kam Road	03/04	RR	0.13435	50	45	N	1600-1700	700	0.006932293	0.006468303	0.17302674	0.026048736
Fan Kam Road	03/04	RR	0.13435	50	44	N	1700-1800	800	0.007251491	0.00666903	0.177546628	0.027713184
Fan Kam Road	03/04	RR	0.13435	50	43	N	1800-1900	750	0.007605723	0.006997536	0.184815055	0.029828823
Fan Kam Road	03/04	RR	0.13435	50	45	N	1900-2000	700	0.006992634	0.006523782	0.173246567	0.026363965
Fan Kam Road	03/04	RR	0.13435	50	47	N	2000-2100	550	0.006946499	0.006468654	0.170171714	0.026578429
Fan Kam Road	03/04	RR	0.13435	50	47	N	2100-2200	450	0.00691386	0.006439316	0.168114208	0.025478487
Fan Kam Road	03/04	RR	0.13435	50	48	N	2200-2300	450	0.006783124	0.006215329	0.164848491	0.024715441
Fan Kam Road	03/04	RR	0.13435	50	48	N	2300-0000	350	0.00704777	0.006459127	0.16650571	0.026375493
Fan Kam Road	05/06	RR	0.28702	50	48	N	0000-0100	300	0.005708408	0.005224084	0.14736034	0.018957211
Fan Kam Road	05/06	RR	0.28702	50	49	N	0100-0200	250	0.004823848	0.004513167	0.137771517	0.014322196
Fan Kam Road	05/06	RR	0.28702	50	49	N	0200-0300	200	0.00453909	0.00425179	0.131832665	0.012575752
Fan Kam Road	05/06	RR	0.28702	50	49	N	0300-0400	150	0.003982697	0.003740979	0.130446193	0.009772343
Fan Kam Road	05/06	RR	0.28702	50	49	N	0400-0500	100	0.004129239	0.003874801	0.131228786	0.010433023
Fan Kam Road	05/06	RR	0.28702	50	49	N	0500-0600	100	0.004709319	0.004407961	0.134238795	0.012260723
Fan Kam Road	05/06	RR	0.28702	50	49	N	0600-0700	250	0.00553942	0.0051705	0.145619973	0.018703442
Fan Kam Road	05/06	RR	0.28702	50	46	N	0700-0800	650	0.005945593	0.005450542	0.15406366	0.02019523
Fan Kam Road	05/06	RR	0.28702	50	39	N	0800-0900	1100	0.006738098	0.006231686	0.172797639	0.023078057
Fan Kam Road	05/06	RR	0.28702	50	41	N	0900-1000	950	0.006394401	0.005892112	0.165672476	0.021688079
Fan Kam Road	05/06	RR	0.28702	50	41	N	1000-1100	950	0.006394418	0.005892113	0.165471243	0.021672976
Fan Kam Road	05/06	RR	0.28702	50	41	N	1100-1200	900	0.006427922	0.005923042	0.165713	0.021942238
Fan Kam Road	05/06	RR	0.28702	50	44	N	1200-1300	750	0.005980791	0.005497169	0.156315203	0.019788668
Fan Kam Road	05/06	RR	0.28702	50	44	N	1300-1400	750	0.006498605	0.005974864	0.165413335	0.023120647
Fan Kam Road	05/06	RR	0.28702	50	43	N	1400-1500	850	0.006695328	0.006160457	0.168337773	0.023895383
Fan Kam Road	05/06	RR	0.28702	50	42	N	1500-1600	850	0.006839194	0.006306304	0.171659031	0.024613373
Fan Kam Road	05/06	RR	0.28702	50	42	N	1600-1700	900	0.006864187	0.0063294	0.171965518	0.024661972
Fan Kam Road	05/06	RR	0.28702	50	41	N	1700-1800	950	0.006852636	0.006312757	0.174173147	0.024774798
Fan Kam Road	05/06	RR	0.28702	50	41	N	1800-1900	950	0.006926788	0.006380964	0.175555226	0.025370162
Fan Kam Road	05/06	RR	0.28702	50	42	N	1900-2000	850	0.006845651	0.006312338	0.170879519	0.024642301
Fan Kam Road	05/06	RR	0.28702	50	45	N	2000-2100	650	0.006389276	0.005971301	0.162374967	0.022936558
Fan Kam Road	05/06	RR	0.28702	50	47	N	2100-2200	550	0.006172616	0.005760024	0.157133188	0.022031516
Fan Kam Road	05/06	RR	0.28702	50	47	N	2200-2300	550	0.006141005	0.005730732	0.158204679	0.021891857
Fan Kam Road	05/06	RR	0.28702	50	47	N	2300-0000	450	0.006105513	0.005698676	0.155420575	0.021391935
Fan Kam Road	07/08	RR	1.94868	50	47	N	0000-0100	400	0.005683543	0.005311905	0.152584632	0.019075113
Fan Kam Road	07/08	RR	1.94868	50	48	N	0100-0200	350	0.005165263	0.004722875	0.141723458	0.015521265
Fan Kam Road	07/08	RR	1.94868	50	48	N	0200-0300	300	0.005265733	0.004815568	0.140654075	0.015881699
Fan Kam Road	07/08	RR	1.94868	50	49	N	0300-0400	200	0.004922806	0.004604269	0.136938703	0.014794876
Fan Kam Road	07/08	RR	1.94868	50	49	N	0400-0500	200	0.004558298	0.004269405	0.132837901	0.012867381
Fan Kam Road	07/08	RR	1.94868	50	49	N	0500-0600	200	0.005210098	0.004867566	0.144329937	0.018232926
Fan Kam Road	07/08	RR	1.94868	50	48	N	0600-0700	350	0.005699667	0.005216162	0.151034955	0.019517239
Fan Kam Road	07/08	RR	1.94868	50	42	N	0700-0800	900	0.006384936	0.005887479	0.167959694	0.023025464
Fan Kam Road	07/08	RR	1.94868	50	31	N	0800-0900	1500	0.008451599	0.007770508	0.215216728	0.032818885
Fan Kam Road	07/08	RR	1.94868	50	34	N	0900-1000	1350	0.007778544	0.007224677	0.199531303	0.029827679
Fan Kam Road	07/08	RR	1.94868	50	34	N	1000-1100	1350	0.007805414	0.007249327	0.2001374	

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)										Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2	
Fan Kam Road	09/10	RR	0.27529	50	49	N	0300-0400	300	0.005872722	0.00547494	0.151386621	0.019661476	
Fan Kam Road	09/10	RR	0.27529	50	50	N	0400-0500	250	0.005701046	0.005207425	0.148498217	0.018727113	
Fan Kam Road	09/10	RR	0.27529	50	49	N	0500-0600	300	0.007080253	0.006581372	0.186278164	0.035926698	
Fan Kam Road	09/10	RR	0.27529	50	49	N	0600-0700	500	0.007045877	0.006550288	0.185528206	0.035747256	
Fan Kam Road	09/10	RR	0.27529	50	47	N	0700-0800	1300	0.007308402	0.006801087	0.193239386	0.037386153	
Fan Kam Road	09/10	RR	0.27529	50	43	N	0800-0900	2300	0.007887635	0.007261561	0.208572192	0.041032737	
Fan Kam Road	09/10	RR	0.27529	50	45	N	0900-1000	2050	0.007550353	0.007037825	0.200766059	0.039124114	
Fan Kam Road	09/10	RR	0.27529	50	45	N	1000-1100	2050	0.007535805	0.007024472	0.200491646	0.039010083	
Fan Kam Road	09/10	RR	0.27529	50	46	N	1100-1200	1950	0.007454671	0.006842478	0.196447242	0.037987031	
Fan Kam Road	09/10	RR	0.27529	50	46	N	1200-1300	1700	0.007477935	0.006863961	0.196860273	0.038238171	
Fan Kam Road	09/10	RR	0.27529	50	47	N	1300-1400	1600	0.006321933	0.005899131	0.17835244	0.032278902	
Fan Kam Road	09/10	RR	0.27529	50	46	N	1400-1500	1750	0.006457492	0.005924648	0.180629379	0.03282589	
Fan Kam Road	09/10	RR	0.27529	50	46	N	1500-1600	1850	0.006486218	0.005951061	0.180358312	0.032814793	
Fan Kam Road	09/10	RR	0.27529	50	46	N	1600-1700	1950	0.006497719	0.005961832	0.181072878	0.03304948	
Fan Kam Road	09/10	RR	0.27529	50	46	N	1700-1800	2050	0.006481411	0.005946746	0.180701688	0.032947788	
Fan Kam Road	09/10	RR	0.27529	50	45	N	1800-1900	2100	0.006546795	0.006118989	0.184177899	0.033732727	
Fan Kam Road	09/10	RR	0.27529	50	46	N	1900-2000	1850	0.006487594	0.005952345	0.18066855	0.032951659	
Fan Kam Road	09/10	RR	0.27529	50	47	N	2000-2100	1500	0.006317992	0.005895559	0.177692443	0.032319478	
Fan Kam Road	09/10	RR	0.27529	50	48	N	2100-2200	1200	0.006319563	0.005787422	0.175325376	0.031935447	
Fan Kam Road	09/10	RR	0.27529	50	48	N	2200-2300	1100	0.006293656	0.005763535	0.174725096	0.031612188	
Fan Kam Road	09/10	RR	0.27529	50	48	N	2300-0000	950	0.006239743	0.005714069	0.175137062	0.031569371	
Fan Kam Road	11	RR	0.0882	50	49	N	0000-0100	500	0.006164721	0.005742252	0.17099803	0.02909562	
Fan Kam Road	11	RR	0.0882	50	49	N	0100-0200	400	0.005251	0.004904846	0.143151181	0.016349294	
Fan Kam Road	11	RR	0.0882	50	49	N	0200-0300	300	0.005108573	0.004773974	0.142246923	0.015715614	
Fan Kam Road	11	RR	0.0882	50	49	N	0300-0400	250	0.005416279	0.005056849	0.143974344	0.017229621	
Fan Kam Road	11	RR	0.0882	50	49	N	0400-0500	200	0.005390208	0.005032226	0.145074057	0.017095257	
Fan Kam Road	11	RR	0.0882	50	49	N	0500-0600	200	0.006384316	0.005943678	0.171779399	0.029379605	
Fan Kam Road	11	RR	0.0882	50	49	N	0600-0700	400	0.00618701	0.005762932	0.169343689	0.028865484	
Fan Kam Road	11	RR	0.0882	50	47	N	0700-0800	1100	0.006426062	0.005992408	0.176350676	0.030439808	
Fan Kam Road	11	RR	0.0882	50	43	N	0800-0900	1950	0.006944303	0.00639291	0.190045985	0.0334965	
Fan Kam Road	11	RR	0.0882	50	45	N	0900-1000	1650	0.006628389	0.006192369	0.18308871	0.031921757	
Fan Kam Road	11	RR	0.0882	50	45	N	1000-1100	1700	0.006610574	0.006175986	0.182922529	0.031783981	
Fan Kam Road	11	RR	0.0882	50	46	N	1100-1200	1650	0.006600419	0.006055559	0.180319496	0.031391124	
Fan Kam Road	11	RR	0.0882	50	46	N	1200-1300	1400	0.006599067	0.00605432	0.180170213	0.031366581	
Fan Kam Road	11	RR	0.0882	50	47	N	1300-1400	1300	0.005978761	0.005583812	0.171556424	0.029340321	
Fan Kam Road	11	RR	0.0882	50	46	N	1400-1500	1450	0.006091866	0.005587835	0.174148015	0.029847827	
Fan Kam Road	11	RR	0.0882	50	46	N	1500-1600	1550	0.006132164	0.005624883	0.174460985	0.029951179	
Fan Kam Road	11	RR	0.0882	50	46	N	1600-1700	1600	0.006127915	0.005621036	0.174089999	0.029954816	
Fan Kam Road	11	RR	0.0882	50	45	N	1700-1800	1700	0.006152892	0.005757316	0.177546982	0.030551915	
Fan Kam Road	11	RR	0.0882	50	46	N	1800-1900	1650	0.006109891	0.005604428	0.174279724	0.02991624	
Fan Kam Road	11	RR	0.0882	50	46	N	1900-2000	1550	0.006141192	0.005633187	0.174231428	0.030013042	
Fan Kam Road	11	RR	0.0882	50	47	N	2000-2100	1250	0.005926297	0.005535741	0.171098164	0.029149195	
Fan Kam Road	11	RR	0.0882	50	48	N	2100-2200	950	0.005919232	0.005418355	0.168566489	0.028744026	
Fan Kam Road	11	RR	0.0882	50	48	N	2200-2300	950	0.005873784	0.005376384	0.169193618	0.028701797	
Fan Kam Road	11	RR	0.0882	50	48	N	2300-0000	800	0.005914806	0.005414236	0.16855577	0.028778209	
Fan Kam Road	12	RR	0.09121	50	49	N	0000-0100	450	0.006555019	0.006100009	0.183989589	0.036567554	
Fan Kam Road	12	RR	0.09121	50	49	N	0100-0200	350	0.005104067	0.004770192	0.140635084	0.015608754	
Fan Kam Road	12	RR	0.09121	50	49	N	0200-0300	300	0.005255361	0.004909256	0.141746771	0.016373466	
Fan Kam Road	12	RR	0.09121	50	49	N	0300-0400	200	0.005080844	0.004749013	0.141375302	0.01542516	
Fan Kam Road	12	RR	0.09121	50	50	N	0400-0500	200	0.005066279	0.004620813	0.138861909	0.015097369	
Fan Kam Road	12	RR	0.09121	50	49	N	0500-0600	200	0.006547085	0.006092638	0.182429313	0.03469934	
Fan Kam Road	12	RR	0.09121	50	49	N	0600-0700	350	0.006496825	0.006047078	0.182380132	0.035230101	
Fan Kam Road	12	RR	0.09121	50	47	N	0700-0800	950	0.006743151	0.006284327	0.188890138	0.03665606	
Fan Kam Road	12	RR	0.09121	50	46	N	0800-0900	1600	0.006918135	0.006349441	0.192782754	0.037575044	
Fan Kam Road	12	RR	0.09121	50	46	N	0900-1000	1500	0.006940183	0.006369719	0.193252973	0.037752008	
Fan Kam Road	12	RR	0.09121	50	46	N	1000-1100	1500	0.006925023	0.006355814	0.193191512	0.037601437	
Fan Kam Road	12	RR	0.09121	50	46	N	1100-1200	1450	0.006930576	0.006360964	0.192961166	0.037669786	
Fan Kam Road	12	RR	0.09121	50	47	N	1200-1300	1250	0.006741671	0.006282782	0.189787089	0.036760088	
Fan Kam Road	12	RR	0.09121	50	47	N	1300-1400	1150	0.00640535	0.005975011	0.183386181	0.034584416	
Fan Kam Road	12	RR	0.09121	50	47	N	1400-1500	1300	0.00642706	0.005994887	0.183176548	0.034608235	
Fan Kam Road	12	RR	0.09121	50	46	N	1500-1600	1350	0.006541919	0.006002917	0.185877607	0.035121438	
Fan Kam Road	12	RR	0.09121	50	46	N	1600-1700	1400	0.006526373	0.005988627	0.185696266	0.035067525	
Fan Kam Road	12	RR	0.09121	50	46	N	1700-1800	1500	0.006530477	0.005992457	0.186070326	0.035058803	
Fan Kam Road	12	RR	0.09121	50	45	N	1800-1900	1650	0.00660655	0.006174055	0.189161859	0.035900425	
Fan Kam Road	12	RR	0.09121	50	46	N	1900-2000	1400	0.006556403	0.006016291	0.185928784	0.035235235	
Fan Kam Road	12	RR	0.09121	50	47	N	2000-2100	1100	0.006400409	0.005970409	0.183235836	0.034532097	
Fan Kam Road	12	RR	0.09121	50	48	N	2100-2200	850	0.006363523	0.005827982	0.180325611	0.034084071	
Fan Kam Road	12	RR	0.09121	50	48	N	2200-2300	850	0.006381258	0.005844349	0.180721445	0.034116886	
Fan Kam Road	12	RR	0.09121	50	48	N	2300-0000	700	0.006380824	0.005843769	0.179374215	0.033755105	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	30	N	0000-0100	550	0.009511232	0.008764651	0.266154386	0.049804661	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	30	N	0100-0200	450	0.008950846	0.008249265	0.236335605	0.036279358	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	30	N	0200-0300	350	0.008947031	0.008245653	0.234932626	0.036364197	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	30	N	0300-0400	250	0.008484252	0.007819983	0.226798628	0.032444636	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	30	N	0400-0500	250	0.008631771	0.007955889	0.235698413	0.034479798	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	30	N	0500-0600	250	0.009330478	0.008598503	0.266826457	0.048465711	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	30	N	0600-0700	450	0.009672903	0.008913624	0.264254655	0.05080042	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	28	N	0700-0800	1100	0.010136744	0.009353923	0.285614525	0.054899668	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	24	N	0800-0900	1800	0.011356062	0.010541018	0.321366352	0.06356994	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	25	N	0900-1000	1650	0.011067949	0.010261686	0.312381878	0.061794561	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	25	N	1000-1100	1650	0.011056632	0.010251239	0.313599809	0.061840705	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	25	N	1100-1200	1650	0.011046088	0.010241539	0.313422508	0.061734032	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	26	N	1200-1300	1350	0.010699153	0.009907243	0.302302785	0.059090982	
Castle Peak Road - Kwu T	13/14	LD	0.42005	50	27	N	1300-1400	1300	0.009067491	0.00829691	0.247145382	0.041527706	
Castle Peak Road - Kwu T	13/14	LD	0.42005										

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Kin Road	15/16	LD	0.1415	50	30	Y	0600-0700	350	0.019201145	0.017684505	0.397903854	0.082663439
Po Kin Road	15/16	LD	0.1415	50	28	Y	0700-0800	900	0.019705212	0.018160825	0.413918704	0.085535116
Po Kin Road	15/16	LD	0.1415	50	24	Y	0800-0900	1650	0.020988999	0.019409341	0.449538938	0.09498351
Po Kin Road	15/16	LD	0.1415	50	25	Y	0900-1000	1400	0.020656966	0.019089128	0.441177384	0.093045581
Po Kin Road	15/16	LD	0.1415	50	25	Y	1000-1100	1400	0.020640333	0.019074056	0.440182286	0.092816893
Po Kin Road	15/16	LD	0.1415	50	25	Y	1100-1200	1350	0.020656022	0.01908839	0.441104183	0.093598732
Po Kin Road	15/16	LD	0.1415	50	26	Y	1200-1300	1200	0.020335247	0.018778082	0.432923331	0.091334014
Po Kin Road	15/16	LD	0.1415	50	27	Y	1300-1400	1100	0.020520606	0.01884049	0.45961763	0.104185337
Po Kin Road	15/16	LD	0.1415	50	26	Y	1400-1500	1200	0.020732391	0.019142054	0.467764476	0.105681926
Po Kin Road	15/16	LD	0.1415	50	26	Y	1500-1600	1300	0.02075816	0.019165916	0.467758619	0.105903493
Po Kin Road	15/16	LD	0.1415	50	25	Y	1600-1700	1300	0.021075343	0.019471425	0.478556401	0.108490943
Po Kin Road	15/16	LD	0.1415	50	25	Y	1700-1800	1450	0.021112742	0.019505561	0.477625473	0.108399013
Po Kin Road	15/16	LD	0.1415	50	25	Y	1800-1900	1350	0.021171574	0.019559432	0.483787703	0.110891396
Po Kin Road	15/16	LD	0.1415	50	26	Y	1900-2000	1300	0.020746844	0.019155907	0.468130946	0.106434387
Po Kin Road	15/16	LD	0.1415	50	27	Y	2000-2100	1000	0.02046177	0.018786392	0.456932964	0.102531586
Po Kin Road	15/16	LD	0.1415	50	28	Y	2100-2200	800	0.020201546	0.01861545	0.450851054	0.101807333
Po Kin Road	15/16	LD	0.1415	50	28	Y	2200-2300	800	0.020210819	0.018623755	0.450616919	0.101724415
Po Kin Road	15/16	LD	0.1415	50	29	Y	2300-0000	700	0.019758108	0.018202369	0.441589839	0.098554684
Po Kin Road	17/18	LD	0.1249	50	30	Y	0000-0100	300	0.020066398	0.018477761	0.453198647	0.10462234
Po Kin Road	17/18	LD	0.1249	50	30	Y	0100-0200	200	0.018673208	0.017198091	0.415531472	0.083945183
Po Kin Road	17/18	LD	0.1249	50	30	Y	0200-0300	200	0.018482387	0.017020909	0.396345692	0.075929033
Po Kin Road	17/18	LD	0.1249	50	30	Y	0300-0400	100	0.018547231	0.017080131	0.413605701	0.082882122
Po Kin Road	17/18	LD	0.1249	50	30	Y	0400-0500	100	0.018076141	0.016646417	0.379626177	0.064854595
Po Kin Road	17/18	LD	0.1249	50	30	Y	0500-0600	100	0.019045792	0.017540964	0.408894446	0.085679898
Po Kin Road	17/18	LD	0.1249	50	30	Y	0600-0700	200	0.019261623	0.017736141	0.435319397	0.093446372
Po Kin Road	17/18	LD	0.1249	50	27	Y	0700-0800	500	0.020681461	0.018989249	0.479432788	0.110882511
Po Kin Road	17/18	LD	0.1249	50	24	Y	0800-0900	750	0.021726831	0.020082551	0.511558002	0.119362123
Po Kin Road	17/18	LD	0.1249	50	24	Y	0900-1000	750	0.0218029	0.020152301	0.514797768	0.121067458
Po Kin Road	17/18	LD	0.1249	50	24	Y	1000-1100	750	0.021850071	0.020195279	0.517215199	0.122098064
Po Kin Road	17/18	LD	0.1249	50	24	Y	1100-1200	750	0.021779266	0.020130395	0.512904453	0.11980975
Po Kin Road	17/18	LD	0.1249	50	25	Y	1200-1300	600	0.021532716	0.019890386	0.507717655	0.119095472
Po Kin Road	17/18	LD	0.1249	50	26	Y	1300-1400	600	0.020988704	0.019376222	0.506256796	0.120466137
Po Kin Road	17/18	LD	0.1249	50	25	Y	1400-1500	650	0.021739258	0.020079674	0.527685996	0.128415643
Po Kin Road	17/18	LD	0.1249	50	25	Y	1500-1600	700	0.021610242	0.019961114	0.521854427	0.12494537
Po Kin Road	17/18	LD	0.1249	50	25	Y	1600-1700	700	0.021593384	0.019945651	0.520805978	0.124711912
Po Kin Road	17/18	LD	0.1249	50	24	Y	1700-1800	800	0.022026418	0.020355291	0.532746651	0.127440819
Po Kin Road	17/18	LD	0.1249	50	24	Y	1800-1900	850	0.021972975	0.020306378	0.533926162	0.128397264
Po Kin Road	17/18	LD	0.1249	50	25	Y	1900-2000	700	0.0216103	0.019961695	0.523267727	0.126315979
Po Kin Road	17/18	LD	0.1249	50	26	Y	2000-2100	500	0.021005588	0.019392117	0.505549583	0.119882749
Po Kin Road	17/18	LD	0.1249	50	28	Y	2100-2200	400	0.020563984	0.018947497	0.489129718	0.11592372
Po Kin Road	17/18	LD	0.1249	50	28	Y	2200-2300	400	0.020439615	0.018834323	0.490722155	0.116425563
Po Kin Road	17/18	LD	0.1249	50	28	Y	2300-0000	400	0.020571198	0.018954253	0.479508344	0.111337494
Po Kin Road	19/20	LD	0.2318	50	30	N	0000-0100	250	0.011326029	0.010433467	0.318818247	0.075323823
Po Kin Road	19/20	LD	0.2318	50	30	N	0100-0200	200	0.007981799	0.007358098	0.224321632	0.028682485
Po Kin Road	19/20	LD	0.2318	50	30	N	0200-0300	150	0.008712393	0.008029232	0.228814347	0.035620598
Po Kin Road	19/20	LD	0.2318	50	30	N	0300-0400	100	0.007645527	0.007047366	0.222887618	0.026114978
Po Kin Road	19/20	LD	0.2318	50	30	N	0400-0500	100	0.007141384	0.006584615	0.222270258	0.022012571
Po Kin Road	19/20	LD	0.2318	50	30	N	0500-0600	100	0.010023051	0.00923378	0.304960597	0.061992188
Po Kin Road	19/20	LD	0.2318	50	30	N	0600-0700	200	0.011050641	0.010179181	0.319773281	0.072719464
Po Kin Road	19/20	LD	0.2318	50	28	N	0700-0800	500	0.012354177	0.011388306	0.341753774	0.082914916
Po Kin Road	19/20	LD	0.2318	50	25	N	0800-0900	650	0.013291594	0.012301687	0.38103036	0.09454117
Po Kin Road	19/20	LD	0.2318	50	26	N	0900-1000	600	0.013008232	0.012029504	0.369401965	0.091362085
Po Kin Road	19/20	LD	0.2318	50	26	N	1000-1100	600	0.012980935	0.012004309	0.368376251	0.090948353
Po Kin Road	19/20	LD	0.2318	50	26	N	1100-1200	600	0.012958309	0.011983529	0.366730628	0.090807391
Po Kin Road	19/20	LD	0.2318	50	27	N	1200-1300	500	0.012521749	0.01147883	0.352480979	0.086459564
Po Kin Road	19/20	LD	0.2318	50	27	N	1300-1400	500	0.012633498	0.011581148	0.350262147	0.088009912
Po Kin Road	19/20	LD	0.2318	50	27	N	1400-1500	500	0.012519341	0.011476219	0.349075456	0.08693938
Po Kin Road	19/20	LD	0.2318	50	26	N	1500-1600	600	0.012800339	0.011839155	0.364319247	0.090862381
Po Kin Road	19/20	LD	0.2318	50	26	N	1600-1700	600	0.012807676	0.011845835	0.364167504	0.091240307
Po Kin Road	19/20	LD	0.2318	50	26	N	1700-1800	600	0.012718521	0.011763539	0.362578549	0.09039602
Po Kin Road	19/20	LD	0.2318	50	25	N	1800-1900	650	0.013160047	0.012181203	0.375194265	0.094293827
Po Kin Road	19/20	LD	0.2318	50	26	N	1900-2000	600	0.012749538	0.01179215	0.361483491	0.089811926
Po Kin Road	19/20	LD	0.2318	50	27	N	2000-2100	450	0.012545677	0.011500381	0.352667839	0.087665583
Po Kin Road	19/20	LD	0.2318	50	28	N	2100-2200	350	0.01224977	0.011292383	0.341729884	0.085169694
Po Kin Road	19/20	LD	0.2318	50	28	N	2200-2300	350	0.012265353	0.011306635	0.340368885	0.084719956
Po Kin Road	19/20	LD	0.2318	50	29	N	2300-0000	300	0.011401848	0.010505122	0.328423554	0.078647145
Po Kin Road	21	LD	0.184	50	29	N	0000-0100	150	0.015705218	0.014445922	0.508879964	0.161359396
Po Kin Road	21	LD	0.184	50	30	N	0100-0200	100	0.008578753	0.007907045	0.235852163	0.034172633
Po Kin Road	21	LD	0.184	50	30	N	0200-0300	50	0.008744129	0.008058549	0.251750841	0.035373558
Po Kin Road	21	LD	0.184	50	30	N	0300-0400	50	0.009323734	0.008591805	0.234147723	0.040044196
Po Kin Road	21	LD	0.184	50	30	N	0400-0500	50	0.00888102	0.008182388	0.246923163	0.038724872
Po Kin Road	21	LD	0.184	50	30	N	0500-0600	50	0.015714198	0.014466715	0.501210233	0.160978609
Po Kin Road	21	LD	0.184	50	30	N	0600-0700	100	0.015281124	0.0140708	0.499566883	0.155881752
Po Kin Road	21	LD	0.184	50	26	N	0700-0800	300	0.017493183	0.016155126	0.570421649	0.183134238
Po Kin Road	21	LD	0.184	50	23	N	0800-0900	400	0.018929249	0.017451678	0.640189222	0.206685411
Po Kin Road	21	LD	0.184	50	22	N	0900-1000	450	0.019404907	0.017887891	0.669124857	0.216712725
Po Kin Road	21	LD	0.184	50	22	N	1000-1100	450	0.019469152	0.017947243	0.669106639	0.217176
Po Kin Road	21	LD	0.184	50	22	N	1100-1200	400	0.019376614	0.017862206	0.667319269	0.215505839
Po Kin Road	21	LD	0.184	50	24	N	1200-1300	350	0.018419312	0.016992677	0.616287502	0.197783051
Po Kin Road	21	LD	0.184	50	25	N	1300-1400	350	0.01342996	0.01242589	0.415158899	0.112877232
Po Kin Road	21	LD	0.184	50	24	N	1400-1500	400	0.013787717	0.012760794	0.427389012	0.117198996
Po Kin Road	21	LD	0.184	50	24	N	1500-1600	400	0.013795699	0.012768133	0.425938639	0.116953442
Po Kin Road	21	LD	0.184	50	24	N	1600-1700	400	0.013693168	0.012674356	0.42219479	0.115638222
Po Kin Road	21	LD	0.184	50	23	N	1700-1800	450	0.01447			

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)										Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2	
Po Kin Road	22	LD	0.18362	50	23	N	0900-1000	400	0.014777045	0.013618768	0.451467727	0.125159986	
Po Kin Road	22	LD	0.18362	50	23	N	1000-1100	500	0.01474798	0.013592021	0.449523012	0.124607499	
Po Kin Road	22	LD	0.18362	50	23	N	1100-1200	450	0.014692973	0.013541841	0.450960028	0.124206032	
Po Kin Road	22	LD	0.18362	50	24	N	1200-1300	400	0.013988321	0.012944356	0.43151846	0.118046074	
Po Kin Road	22	LD	0.18362	50	24	N	1300-1400	350	0.015344339	0.014185675	0.478806072	0.138271457	
Po Kin Road	22	LD	0.18362	50	24	N	1400-1500	400	0.015283827	0.014130137	0.477331672	0.137023716	
Po Kin Road	22	LD	0.18362	50	23	N	1500-1600	450	0.015893286	0.014648973	0.497464694	0.145178536	
Po Kin Road	22	LD	0.18362	50	23	N	1600-1700	450	0.015783062	0.014547456	0.496286493	0.144410477	
Po Kin Road	22	LD	0.18362	50	22	N	1700-1800	500	0.016213063	0.014954041	0.517552298	0.150612647	
Po Kin Road	22	LD	0.18362	50	22	N	1800-1900	500	0.016200461	0.014942485	0.516552369	0.150325958	
Po Kin Road	22	LD	0.18362	50	23	N	1900-2000	450	0.015817357	0.014578886	0.496476026	0.144561819	
Po Kin Road	22	LD	0.18362	50	25	N	2000-2100	350	0.014684926	0.013575991	0.462663225	0.132082708	
Po Kin Road	22	LD	0.18362	50	26	N	2100-2200	300	0.014387294	0.013299136	0.44770977	0.127177396	
Po Kin Road	22	LD	0.18362	50	26	N	2200-2300	250	0.014291763	0.01321162	0.443855031	0.127098216	
Po Kin Road	22	LD	0.18362	50	27	N	2300-0000	200	0.014137105	0.012967965	0.429476251	0.122324556	
Pak Wo Road	23	DD	0.07982	50	40	N	0000-0100	200	0.010068764	0.009263465	0.278676308	0.069447732	
Pak Wo Road	23	DD	0.07982	50	40	N	0100-0200	150	0.00795098	0.007322097	0.21802554	0.040774855	
Pak Wo Road	23	DD	0.07982	50	40	N	0200-0300	100	0.008168724	0.007523506	0.221264538	0.047354023	
Pak Wo Road	23	DD	0.07982	50	40	N	0300-0400	100	0.008038673	0.007402982	0.226861177	0.043457116	
Pak Wo Road	23	DD	0.07982	50	40	N	0400-0500	100	0.007589843	0.006988142	0.222187722	0.043140478	
Pak Wo Road	23	DD	0.07982	50	40	N	0500-0600	100	0.009068444	0.008343032	0.265113868	0.062980792	
Pak Wo Road	23	DD	0.07982	50	40	N	0600-0700	150	0.00962893	0.008859841	0.27552605	0.066671227	
Pak Wo Road	23	DD	0.07982	50	38	N	0700-0800	400	0.010248769	0.009459644	0.291259962	0.07248112	
Pak Wo Road	23	DD	0.07982	50	35	N	0800-0900	750	0.010939999	0.010121003	0.313944921	0.079108061	
Pak Wo Road	23	DD	0.07982	50	36	N	0900-1000	600	0.010749388	0.00995339	0.306301793	0.077166564	
Pak Wo Road	23	DD	0.07982	50	36	N	1000-1100	600	0.01072462	0.00993065	0.305421787	0.076847254	
Pak Wo Road	23	DD	0.07982	50	36	N	1100-1200	600	0.010792969	0.009933366	0.307363187	0.077517305	
Pak Wo Road	23	DD	0.07982	50	37	N	1200-1300	500	0.010388557	0.009587892	0.297573869	0.073881282	
Pak Wo Road	23	DD	0.07982	50	37	N	1300-1400	500	0.010369245	0.009569562	0.29719651	0.073536117	
Pak Wo Road	23	DD	0.07982	50	37	N	1400-1500	550	0.010493245	0.009683407	0.298137606	0.076119155	
Pak Wo Road	23	DD	0.07982	50	36	N	1500-1600	550	0.010658025	0.009869189	0.306089037	0.078325179	
Pak Wo Road	23	DD	0.07982	50	36	N	1600-1700	600	0.010716509	0.009923086	0.305743736	0.07852168	
Pak Wo Road	23	DD	0.07982	50	36	N	1700-1800	650	0.010623344	0.009837566	0.305275144	0.0781379	
Pak Wo Road	23	DD	0.07982	50	36	N	1800-1900	600	0.010641707	0.009854351	0.305446249	0.078020482	
Pak Wo Road	23	DD	0.07982	50	36	N	1900-2000	600	0.010673346	0.009883416	0.306277379	0.078526605	
Pak Wo Road	23	DD	0.07982	50	38	N	2000-2100	450	0.010109191	0.009331797	0.290190682	0.07338525	
Pak Wo Road	23	DD	0.07982	50	39	N	2100-2200	350	0.010103156	0.009319341	0.286247886	0.072740385	
Pak Wo Road	23	DD	0.07982	50	39	N	2200-2300	350	0.010151581	0.009363984	0.285963096	0.072808686	
Pak Wo Road	23	DD	0.07982	50	39	N	2300-0000	300	0.009904482	0.009136986	0.282570261	0.07100643	
Pak Wo Road	24	DD	0.06463	50	40	N	0000-0100	150	0.011201581	0.010301459	0.322413032	0.09089134	
Pak Wo Road	24	DD	0.06463	50	40	N	0100-0200	100	0.008385471	0.007721906	0.224526936	0.04342342	
Pak Wo Road	24	DD	0.06463	50	40	N	0200-0300	100	0.007392795	0.006807493	0.2202694	0.04142334	
Pak Wo Road	24	DD	0.06463	50	40	N	0300-0400	50	0.007577001	0.006976828	0.231421141	0.044698162	
Pak Wo Road	24	DD	0.06463	50	40	N	0400-0500	50	0.008103305	0.007459696	0.237171938	0.051732299	
Pak Wo Road	24	DD	0.06463	50	40	N	0500-0600	50	0.010239741	0.009416932	0.307549082	0.083521815	
Pak Wo Road	24	DD	0.06463	50	40	N	0600-0700	100	0.010322155	0.009491911	0.311660309	0.08491327	
Pak Wo Road	24	DD	0.06463	50	39	N	0700-0800	250	0.011078257	0.010212575	0.323896252	0.090408858	
Pak Wo Road	24	DD	0.06463	50	37	N	0800-0900	450	0.011593054	0.010687621	0.340741464	0.095760699	
Pak Wo Road	24	DD	0.06463	50	37	N	0900-1000	500	0.011660969	0.010750128	0.34092266	0.096142066	
Pak Wo Road	24	DD	0.06463	50	37	N	1000-1100	450	0.011646517	0.010736932	0.34034695	0.095950087	
Pak Wo Road	24	DD	0.06463	50	37	N	1100-1200	450	0.011678333	0.010766189	0.341010402	0.096807221	
Pak Wo Road	24	DD	0.06463	50	38	N	1200-1300	350	0.011544854	0.010650349	0.335216313	0.094584301	
Pak Wo Road	24	DD	0.06463	50	39	N	1300-1400	350	0.009721114	0.008967152	0.281379749	0.072253092	
Pak Wo Road	24	DD	0.06463	50	38	N	1400-1500	400	0.010008124	0.009240161	0.288924386	0.074234565	
Pak Wo Road	24	DD	0.06463	50	38	N	1500-1600	400	0.010056421	0.009284402	0.288776004	0.074687579	
Pak Wo Road	24	DD	0.06463	50	38	N	1600-1700	400	0.010068281	0.009294863	0.291183872	0.07464152	
Pak Wo Road	24	DD	0.06463	50	38	N	1700-1800	450	0.010031347	0.009261163	0.289373892	0.074683556	
Pak Wo Road	24	DD	0.06463	50	37	N	1800-1900	500	0.010198542	0.009412586	0.295779499	0.076308897	
Pak Wo Road	24	DD	0.06463	50	38	N	1900-2000	400	0.010113423	0.009336303	0.291502297	0.074974943	
Pak Wo Road	24	DD	0.06463	50	39	N	2000-2100	300	0.009667024	0.008917118	0.282613391	0.072040836	
Pak Wo Road	24	DD	0.06463	50	39	N	2100-2200	250	0.009874227	0.009107278	0.284725752	0.072892211	
Pak Wo Road	24	DD	0.06463	50	39	N	2200-2300	250	0.009959136	0.009185315	0.286117481	0.073804484	
Pak Wo Road	24	DD	0.06463	50	40	N	2300-0000	250	0.009517693	0.008754831	0.277802692	0.070500871	
Pak Wo Road	25/26	DD	0.11311	50	39	N	0000-0100	300	0.012798831	0.011790947	0.39744213	0.124374707	
Pak Wo Road	25/26	DD	0.11311	50	40	N	0100-0200	200	0.008266621	0.007612093	0.234256756	0.046680841	
Pak Wo Road	25/26	DD	0.11311	50	40	N	0200-0300	100	0.008034561	0.007397301	0.233208341	0.047652676	
Pak Wo Road	25/26	DD	0.11311	50	40	N	0300-0400	100	0.008153613	0.007507067	0.249155033	0.051005688	
Pak Wo Road	25/26	DD	0.11311	50	40	N	0400-0500	100	0.008719418	0.008026595	0.255581844	0.059230144	
Pak Wo Road	25/26	DD	0.11311	50	40	N	0500-0600	100	0.012019193	0.011050271	0.383723566	0.118809628	
Pak Wo Road	25/26	DD	0.11311	50	40	N	0600-0700	200	0.012337996	0.011343405	0.390658069	0.119696835	
Pak Wo Road	25/26	DD	0.11311	50	36	N	0700-0800	600	0.013360082	0.012354057	0.426039561	0.132333324	
Pak Wo Road	25/26	DD	0.11311	50	31	N	0800-0900	950	0.014815376	0.013615112	0.485812369	0.152246989	
Pak Wo Road	25/26	DD	0.11311	50	32	N	0900-1000	900	0.01453302	0.013374172	0.472846993	0.148325375	
Pak Wo Road	25/26	DD	0.11311	50	32	N	1000-1100	900	0.014533343	0.013374606	0.473609702	0.148373262	
Pak Wo Road	25/26	DD	0.11311	50	32	N	1100-1200	850	0.014576856	0.013414647	0.475055298	0.148924296	
Pak Wo Road	25/26	DD	0.11311	50	34	N	1200-1300	750	0.014037492	0.012963187	0.449689778	0.140725599	
Pak Wo Road	25/26	DD	0.11311	50	35	N	1300-1400	700	0.012045908	0.011143798	0.381157741	0.11062757	
Pak Wo Road	25/26	DD	0.11311	50	34	N	1400-1500	800	0.012369844	0.011433737	0.391244884	0.114068251	
Pak Wo Road	25/26	DD	0.11311	50	33	N	1500-1600	850	0.012721408	0.011771626	0.40188248	0.117898242	
Pak Wo Road	25/26	DD	0.11311	50	33	N	1600-1700	850	0.012685422	0.011738575	0.401891316	0.117674471	
Pak Wo Road	25/26	DD	0.11311	50	32	N	1700-1800	950	0.0129899	0.011950646	0.412927769	0.121046283	
Pak Wo Road	25/26	DD	0.11311	50	31	N	1800-1900	1000	0.013244875	0.012172317	0.424193606	0.124539377	
Pak Wo Road	25/26	DD	0.11311	50	33	N	1900-2000	850	0.012691478	0.011744057	0.402269041	0.117528001	
Pak Wo Road	25/26	DD	0.11311	50	35	N	2000-2100	650	0.012030349	0.011129755	0.380046337	0.110236366	
Pak Wo Road	25/26	DD											

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)										Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2	
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1200-1300	700	0.021042834	0.019386664	0.548943483	0.142032081	
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	1300-1400	700	0.021431694	0.019735875	0.581306949	0.160665681	
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1400-1500	750	0.021818562	0.020096534	0.591946399	0.163609663	
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1500-1600	800	0.021916037	0.020186232	0.594066504	0.165403234	
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1600-1700	800	0.021933834	0.020202513	0.598762296	0.166808118	
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	1700-1800	900	0.022129567	0.020327802	0.608632296	0.168128478	
Ching Hiu Road	27/28	LD	0.08318	50	27	Y	1800-1900	900	0.022057378	0.020260859	0.600584138	0.164851957	
Ching Hiu Road	27/28	LD	0.08318	50	28	Y	1900-2000	800	0.021820922	0.020098598	0.593584342	0.163543813	
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2000-2100	600	0.021437113	0.019741444	0.581145731	0.161375012	
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2100-2200	500	0.021638931	0.019925847	0.587718494	0.164212525	
Ching Hiu Road	27/28	LD	0.08318	50	29	Y	2200-2300	500	0.021475102	0.019776379	0.584482245	0.163176372	
Ching Hiu Road	27/28	LD	0.08318	50	30	Y	2300-0000	400	0.021182402	0.019502407	0.56558072	0.155236775	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0000-0100	300	0.020407917	0.018792121	0.509475076	0.12895812	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0100-0200	200	0.019355456	0.017824133	0.481563678	0.111704104	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0200-0300	200	0.019109111	0.017596244	0.461673784	0.103291781	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0300-0400	100	0.018317143	0.016871146	0.447619929	0.094770256	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0400-0500	100	0.018658157	0.017183471	0.458114949	0.102133752	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0500-0600	100	0.019482491	0.017940531	0.473172537	0.111413341	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	0600-0700	200	0.019814513	0.01824508	0.482993099	0.115548539	
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	0700-0800	600	0.020546578	0.018930206	0.510619105	0.127385923	
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	0800-0900	1000	0.021132831	0.019406846	0.52433282	0.128535551	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	0900-1000	900	0.020907975	0.019264414	0.51780314	0.12833611	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1000-1100	900	0.020870469	0.019230032	0.51852249	0.128254207	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1100-1200	850	0.020888286	0.019227946	0.518650932	0.128264654	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1200-1300	750	0.020802796	0.01918789	0.515784722	0.127135191	
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	1300-1400	700	0.020523895	0.018909567	0.514822158	0.128083548	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1400-1500	800	0.021022942	0.019369737	0.531225027	0.13354462	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1500-1600	850	0.02095538	0.019308063	0.529622919	0.13307702	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1600-1700	850	0.020974374	0.019325041	0.528534701	0.132131879	
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	1700-1800	950	0.021221528	0.019489614	0.537935619	0.134377455	
Ching Hiu Road	29/30	LD	0.28297	50	27	Y	1800-1900	950	0.021247252	0.019513042	0.537231769	0.134108396	
Ching Hiu Road	29/30	LD	0.28297	50	28	Y	1900-2000	850	0.020914254	0.019270154	0.527598522	0.131710495	
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2000-2100	650	0.02038183	0.018778996	0.510704722	0.126403487	
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2100-2200	500	0.020555219	0.018938038	0.52093512	0.130866696	
Ching Hiu Road	29/30	LD	0.28297	50	29	Y	2200-2300	500	0.02055772	0.018940161	0.521100129	0.130293599	
Ching Hiu Road	29/30	LD	0.28297	50	30	Y	2300-0000	400	0.020210207	0.018610149	0.497659906	0.12358516	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0000-0100	200	0.020712425	0.019068779	0.543181532	0.140933308	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0100-0200	100	0.019400893	0.017864505	0.509271515	0.124083138	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0200-0300	100	0.019667539	0.0181110816	0.543514649	0.142514184	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0300-0400	100	0.019624935	0.01806922	0.520683687	0.130235373	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0400-0500	100	0.020106795	0.018509406	0.563379583	0.145382603	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0500-0600	100	0.021549257	0.019835008	0.572313419	0.15104972	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0600-0700	100	0.020964233	0.019298833	0.548130471	0.143328356	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0700-0800	400	0.021680023	0.019959589	0.578818849	0.161078162	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	0800-0900	550	0.021526011	0.019817331	0.576366205	0.15893585	
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	0900-1000	550	0.021813182	0.020092381	0.584900618	0.161065226	
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1000-1100	550	0.021713249	0.02000055	0.585718446	0.159864686	
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1100-1200	550	0.021788057	0.020069040	0.587615284	0.16160318	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1200-1300	500	0.021514608	0.019807384	0.572307402	0.158556332	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1300-1400	450	0.019885924	0.018313312	0.435346709	0.097305491	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1400-1500	500	0.020200915	0.018602124	0.448584516	0.104841872	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	1500-1600	500	0.020093489	0.018503582	0.447019547	0.103460797	
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1600-1700	550	0.020305907	0.018706506	0.449865031	0.103737745	
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1700-1800	600	0.020278631	0.018681796	0.451878834	0.104055595	
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1800-1900	700	0.020304331	0.018704769	0.451315901	0.103445482	
Ching Hiu Road	31/32	LD	0.1094	50	29	Y	1900-2000	500	0.02046165	0.018849033	0.457292209	0.106774571	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2000-2100	400	0.020136846	0.018543662	0.451529852	0.104952883	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2100-2200	300	0.020133675	0.018540782	0.441750454	0.101416139	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2200-2300	300	0.020068389	0.01848128	0.444764733	0.102599319	
Ching Hiu Road	31/32	LD	0.1094	50	30	Y	2300-0000	300	0.020048347	0.01846214	0.449880693	0.104157737	
Ching Shing Road	33/34	LD	0.19971	50	29	Y	0000-0100	350	0.02048603	0.0188779	0.541737548	0.139547539	
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0100-0200	300	0.019967096	0.018384941	0.516954071	0.128997201	
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0200-0300	200	0.019400013	0.017864679	0.493467308	0.116922484	
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0300-0400	200	0.019307732	0.017776558	0.494118929	0.114250556	
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0400-0500	150	0.018696927	0.017219572	0.486306214	0.111317121	
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0500-0600	150	0.019135996	0.017622862	0.504308431	0.121207782	
Ching Shing Road	33/34	LD	0.19971	50	30	Y	0600-0700	250	0.01965753	0.018101573	0.516507869	0.127452392	
Ching Shing Road	33/34	LD	0.19971	50	27	Y	0700-0800	750	0.020875463	0.019172778	0.557531288	0.140237222	
Ching Shing Road	33/34	LD	0.19971	50	22	Y	0800-0900	1150	0.022948245	0.021155591	0.63052589	0.16006179	
Ching Shing Road	33/34	LD	0.19971	50	23	Y	0900-1000	1100	0.02256739	0.020782316	0.61496096	0.156617672	
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1000-1100	1100	0.022517125	0.020786009	0.612966958	0.155806865	
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1100-1200	1100	0.022518677	0.020737544	0.614528907	0.155277282	
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1200-1300	900	0.021669221	0.020013102	0.586074266	0.14885765	
Ching Shing Road	33/34	LD	0.19971	50	26	Y	1300-1400	850	0.020414851	0.018849136	0.491388992	0.112238371	
Ching Shing Road	33/34	LD	0.19971	50	25	Y	1400-1500	950	0.020880184	0.019292074	0.50537859	0.116366609	
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1500-1600	1000	0.021267823	0.019662431	0.517772484	0.119088039	
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1600-1700	1050	0.021323363	0.019713684	0.521930906	0.12146968	
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1700-1800	1100	0.021809111	0.020082921	0.531745451	0.124136703	
Ching Shing Road	33/34	LD	0.19971	50	23	Y	1800-1900	1200	0.021725898	0.020006376	0.529096185	0.12222982	
Ching Shing Road	33/34	LD	0.19971	50	24	Y	1900-2000	1000	0.021198981	0.019599817	0.516528594	0.118952168	
Ching Shing Road	33/34	LD	0.19971	50	26	Y	2000-2100	800	0.020375784	0.018813556	0.491115695	0.111425865	
Ching Shing Road	33/34	LD	0.19971	50									

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1500-1600	800	0.021645076	0.019993485	0.461482207	0.109544821
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	1600-1700	800	0.0221014	0.020421121	0.474357952	0.113444533
Ping Kong Road	35a/36a	LD	0.08788	50	23	Y	1700-1800	900	0.022659997	0.020874921	0.492201346	0.120137213
Ping Kong Road	35a/36a	LD	0.08788	50	25	Y	1800-1900	650	0.021662805	0.020009621	0.460459788	0.108890974
Ping Kong Road	35a/36a	LD	0.08788	50	24	Y	1900-2000	800	0.022053795	0.020378023	0.473705035	0.113592555
Ping Kong Road	35a/36a	LD	0.08788	50	26	Y	2000-2100	600	0.021468008	0.019821682	0.45478641	0.108741482
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	2100-2200	500	0.021119846	0.019390211	0.444510217	0.105308384
Ping Kong Road	35a/36a	LD	0.08788	50	27	Y	2200-2300	450	0.021097486	0.019369684	0.443157243	0.104839279
Ping Kong Road	35a/36a	LD	0.08788	50	28	Y	2300-0000	400	0.020184901	0.018598582	0.430149161	0.098405692
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0000-0100	150	0.018956609	0.017461693	0.391068727	0.082842074
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0100-0200	100	0.016669425	0.015359388	0.238482036	0.01002724
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0200-0300	100	0.016790605	0.015467146	0.251887911	0.010478632
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0300-0400	100	0.016592433	0.015286421	0.251129959	0.010393451
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0400-0500	100	0.016934729	0.015599679	0.247340212	0.010383091
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0500-0600	100	0.020245065	0.018640869	0.402378263	0.087372245
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	0600-0700	100	0.019643017	0.018089999	0.395639137	0.085308017
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	0700-0800	250	0.020538587	0.018909256	0.426452253	0.099383865
Ping Kong Road	35b/36b	LD	0.13047	50	25	Y	0800-0900	600	0.021756893	0.020095164	0.46360835	0.110131593
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	0900-1000	450	0.021090279	0.019362494	0.443314801	0.104264902
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1000-1100	450	0.021145369	0.01941279	0.446503892	0.104799607
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1100-1200	400	0.021213333	0.019475784	0.449339662	0.106909113
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1200-1300	350	0.020786492	0.019149853	0.438592161	0.103156942
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1300-1400	300	0.02297252	0.021152051	0.50207062	0.15910996
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1400-1500	350	0.023023382	0.02198165	0.53205948	0.160195562
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1500-1600	350	0.023388417	0.021480358	0.567906294	0.162595642
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1600-1700	400	0.023245109	0.021348514	0.561494652	0.162160616
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1700-1800	450	0.023580048	0.02165694	0.573103636	0.168176617
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	1800-1900	300	0.023009593	0.021185902	0.552073706	0.159938593
Ping Kong Road	35b/36b	LD	0.13047	50	27	Y	1900-2000	350	0.02334345	0.021439212	0.565776799	0.164888759
Ping Kong Road	35b/36b	LD	0.13047	50	28	Y	2000-2100	300	0.023068045	0.021239747	0.553998578	0.160909491
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	2100-2200	200	0.022846326	0.021017979	0.546050974	0.159825065
Ping Kong Road	35b/36b	LD	0.13047	50	29	Y	2200-2300	200	0.022892055	0.021059424	0.547976004	0.160041615
Ping Kong Road	35b/36b	LD	0.13047	50	30	Y	2300-0000	250	0.021973992	0.020236419	0.548966376	0.161619757
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0000-0100	100	0.017037399	0.015698591	0.222956686	0.009626999
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0100-0200	100	0.017317433	0.01595237	0.231521092	0.010014329
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0200-0300	100	0.017190416	0.015838105	0.223690532	0.009733057
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0300-0400	100	0.017802815	0.016397571	0.221338624	0.009851668
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0400-0500	100	0.016850802	0.01552755	0.226282586	0.00970729
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0500-0600	100	0.01810477	0.016678547	0.233927011	0.015615124
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0600-0700	100	0.0179982	0.01658002	0.22247807	0.012803001
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	0700-0800	250	0.01891248	0.017421135	0.258591804	0.030138335
Ping Kong Road	35d/36d	LD	0.05136	50	28	Y	0800-0900	550	0.019307211	0.017801446	0.256964009	0.028041305
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	0900-1000	400	0.019034029	0.017541196	0.265043184	0.029641379
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1000-1100	400	0.019000676	0.01751083	0.263914682	0.029437656
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1100-1200	400	0.019022035	0.017531142	0.262877088	0.030123155
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1200-1300	350	0.018982766	0.017484994	0.261273171	0.031543374
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1300-1400	300	0.019745336	0.018188197	0.253878374	0.035311887
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1400-1500	350	0.019971189	0.01840449	0.24759488	0.033761278
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1500-1600	350	0.020316182	0.018721353	0.264852037	0.041492653
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1600-1700	350	0.020383778	0.01878253	0.264092671	0.040639808
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1700-1800	450	0.020214347	0.018627144	0.25953067	0.038331093
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	1800-1900	350	0.019637569	0.018088469	0.261290135	0.035884901
Ping Kong Road	35d/36d	LD	0.05136	50	29	Y	1900-2000	350	0.020518484	0.018905724	0.265231201	0.041218882
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2000-2100	300	0.019848359	0.018283072	0.256967866	0.036915408
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2100-2200	250	0.0204597	0.018843804	0.26352541	0.042014262
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2200-2300	250	0.02035495	0.018748524	0.263332392	0.04227519
Ping Kong Road	35d/36d	LD	0.05136	50	30	Y	2300-0000	200	0.018214796	0.016782755	0.237287556	0.024818114
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0000-0100	100	0.016367573	0.015082649	0.244225397	0.010110251
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0100-0200	100	0.017320936	0.015953293	0.242223967	0.01034561
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0200-0300	100	0.018079666	0.016638383	0.277161694	0.011660435
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0300-0400	100	0.019022132	0.017489361	0.320587822	0.013294647
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0400-0500	100	0.013783039	0.012706535	0.323947815	0.011764693
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0500-0600	100	0.018851867	0.017357666	0.332906224	0.030947904
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0600-0700	100	0.021272727	0.019575337	0.280641464	0.027996818
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0700-0800	100	0.020723741	0.01908219	0.298976887	0.040796233
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0800-0900	150	0.020147345	0.018555356	0.310016648	0.047759983
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	0900-1000	100	0.022007193	0.020264719	0.33350218	0.062865986
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1000-1100	100	0.022007193	0.020264719	0.33350218	0.062865986
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1100-1200	100	0.022230985	0.020468984	0.34005392	0.064341064
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1200-1300	100	0.022763963	0.020958102	0.347902093	0.071144018
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1300-1400	100	0.024767086	0.022790368	0.320546494	0.058057847
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1400-1500	100	0.024726248	0.022754936	0.317653658	0.058318276
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1500-1600	100	0.024555795	0.022600326	0.309802442	0.057339828
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1600-1700	100	0.024254809	0.022323938	0.313314568	0.056716577
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1700-1800	100	0.024264448	0.022335548	0.302213067	0.056216759
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1800-1900	100	0.022361007	0.020589855	0.298739809	0.051301863
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	1900-2000	100	0.024555795	0.022600326	0.309802442	0.057339828
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2000-2100	100	0.024537736	0.022591243	0.300298585	0.061800998
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2100-2200	100	0.024219922	0.022298308	0.322142101	0.064944295
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2200-2300	100	0.024587819	0.02263482	0.329754672	0.067126576
Ping Kong Road	35e/36e	LD	0.37785	50	30	Y	2300-0000	100	0.017906152	0.01650058	0.312028375	0.042249503
Po Ping Road	37/38	LD	0.09988									

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Ping Road	37/38	LD	0.09988	50	29	Y	1800-1900	600	0.021287952	0.019597414	0.54705506	0.150024518
Po Ping Road	37/38	LD	0.09988	50	29	Y	1900-2000	600	0.021416451	0.019714822	0.553506581	0.152891099
Po Ping Road	37/38	LD	0.09988	50	30	Y	2000-2100	450	0.021218631	0.019538007	0.544026714	0.150674034
Po Ping Road	37/38	LD	0.09988	50	30	Y	2100-2200	350	0.021183422	0.019505777	0.545837601	0.151564325
Po Ping Road	37/38	LD	0.09988	50	30	Y	2200-2300	350	0.021342132	0.019651231	0.546640622	0.152702291
Po Ping Road	37/38	LD	0.09988	50	30	Y	2300-0000	300	0.021127217	0.01945524	0.547783138	0.151745969
Po Ping Road	39/40	LD	0.04557	50	30	Y	0000-0100	200	0.019399217	0.017864785	0.434699879	0.097069452
Po Ping Road	39/40	LD	0.04557	50	30	Y	0100-0200	150	0.017308581	0.015945679	0.318255268	0.039488796
Po Ping Road	39/40	LD	0.04557	50	30	Y	0200-0300	100	0.017301632	0.015937187	0.313565591	0.036528074
Po Ping Road	39/40	LD	0.04557	50	30	Y	0300-0400	100	0.017920054	0.016501786	0.327588879	0.041918074
Po Ping Road	39/40	LD	0.04557	50	30	Y	0400-0500	100	0.017750077	0.016347871	0.324480221	0.047433712
Po Ping Road	39/40	LD	0.04557	50	30	Y	0500-0600	100	0.020063906	0.018474934	0.422342716	0.102674088
Po Ping Road	39/40	LD	0.04557	50	30	Y	0600-0700	200	0.019298345	0.017771869	0.439928858	0.096493082
Po Ping Road	39/40	LD	0.04557	50	29	Y	0700-0800	400	0.020044962	0.018461688	0.458934103	0.110081174
Po Ping Road	39/40	LD	0.04557	50	26	Y	0800-0900	750	0.020558391	0.018984416	0.462897782	0.106686106
Po Ping Road	39/40	LD	0.04557	50	27	Y	0900-1000	600	0.020607918	0.018921911	0.475450365	0.113561233
Po Ping Road	39/40	LD	0.04557	50	26	Y	1000-1100	600	0.020828178	0.019232749	0.486944866	0.116982837
Po Ping Road	39/40	LD	0.04557	50	27	Y	1100-1200	600	0.02059492	0.018910471	0.476672134	0.114736974
Po Ping Road	39/40	LD	0.04557	50	28	Y	1200-1300	500	0.020345789	0.018745904	0.472590654	0.112713088
Po Ping Road	39/40	LD	0.04557	50	28	Y	1300-1400	500	0.020315292	0.018718865	0.473201432	0.110507324
Po Ping Road	39/40	LD	0.04557	50	28	Y	1400-1500	500	0.020223897	0.018635289	0.471117099	0.109486315
Po Ping Road	39/40	LD	0.04557	50	27	Y	1500-1600	550	0.020748058	0.019050879	0.487158254	0.113703803
Po Ping Road	39/40	LD	0.04557	50	27	Y	1600-1700	600	0.020525207	0.018845831	0.479358699	0.110757707
Po Ping Road	39/40	LD	0.04557	50	27	Y	1700-1800	600	0.020852439	0.019147414	0.490614343	0.118280006
Po Ping Road	39/40	LD	0.04557	50	27	Y	1800-1900	550	0.020864492	0.019158813	0.49819625	0.121497041
Po Ping Road	39/40	LD	0.04557	50	27	Y	1900-2000	600	0.020552434	0.018870873	0.478203703	0.111405041
Po Ping Road	39/40	LD	0.04557	50	28	Y	2000-2100	400	0.020402662	0.018798706	0.472871899	0.111094306
Po Ping Road	39/40	LD	0.04557	50	29	Y	2100-2200	300	0.019876313	0.018310198	0.458231885	0.106117703
Po Ping Road	39/40	LD	0.04557	50	29	Y	2200-2300	300	0.020063999	0.018482203	0.459915697	0.107780144
Po Ping Road	39/40	LD	0.04557	50	30	Y	2300-0000	300	0.019713764	0.018155566	0.459182535	0.107288387
Po Ping Road	41/42	LD	0.20141	50	30	Y	0000-0100	200	0.017502966	0.016122842	0.328636734	0.044802197
Po Ping Road	41/42	LD	0.20141	50	30	Y	0100-0200	150	0.017180602	0.015828449	0.318550376	0.038915574
Po Ping Road	41/42	LD	0.20141	50	30	Y	0200-0300	100	0.017491441	0.016108528	0.318723258	0.036778707
Po Ping Road	41/42	LD	0.20141	50	30	Y	0300-0400	100	0.017649402	0.016253379	0.331351052	0.041195308
Po Ping Road	41/42	LD	0.20141	50	30	Y	0400-0500	100	0.01768912	0.016292724	0.320565407	0.046699363
Po Ping Road	41/42	LD	0.20141	50	30	Y	0500-0600	100	0.017923668	0.016508731	0.312790442	0.046948492
Po Ping Road	41/42	LD	0.20141	50	30	Y	0600-0700	150	0.017416777	0.016043409	0.325587009	0.040469778
Po Ping Road	41/42	LD	0.20141	50	29	Y	0700-0800	350	0.018389937	0.016953061	0.35362737	0.058582428
Po Ping Road	41/42	LD	0.20141	50	27	Y	0800-0900	700	0.018872737	0.017321501	0.359735813	0.057401401
Po Ping Road	41/42	LD	0.20141	50	28	Y	0900-1000	550	0.018491415	0.017049938	0.350689218	0.054780452
Po Ping Road	41/42	LD	0.20141	50	28	Y	1000-1100	550	0.018462355	0.017023427	0.355388416	0.0566074
Po Ping Road	41/42	LD	0.20141	50	28	Y	1100-1200	550	0.018434065	0.016997792	0.352596818	0.055561126
Po Ping Road	41/42	LD	0.20141	50	28	Y	1200-1300	450	0.01864382	0.0171892	0.363264062	0.059576948
Po Ping Road	41/42	LD	0.20141	50	29	Y	1300-1400	450	0.018830434	0.017357228	0.394603475	0.073380904
Po Ping Road	41/42	LD	0.20141	50	28	Y	1400-1500	450	0.01918098	0.017681745	0.402209973	0.076762259
Po Ping Road	41/42	LD	0.20141	50	28	Y	1500-1600	500	0.019074674	0.017583602	0.396505084	0.072807401
Po Ping Road	41/42	LD	0.20141	50	28	Y	1600-1700	550	0.018964899	0.01748297	0.395881651	0.071383067
Po Ping Road	41/42	LD	0.20141	50	28	Y	1700-1800	550	0.019440686	0.017919725	0.412524983	0.08143238
Po Ping Road	41/42	LD	0.20141	50	28	Y	1800-1900	500	0.019136865	0.017641146	0.39974752	0.075142099
Po Ping Road	41/42	LD	0.20141	50	28	Y	1900-2000	550	0.019008395	0.0175232	0.39557108	0.072472406
Po Ping Road	41/42	LD	0.20141	50	29	Y	2000-2100	400	0.01895562	0.017472146	0.396823257	0.075949101
Po Ping Road	41/42	LD	0.20141	50	30	Y	2100-2200	300	0.018536909	0.017073618	0.383754298	0.071807041
Po Ping Road	41/42	LD	0.20141	50	30	Y	2200-2300	300	0.018650858	0.017177765	0.38617937	0.072831654
Po Ping Road	41/42	LD	0.20141	50	30	Y	2300-0000	250	0.018831466	0.017344049	0.398782431	0.07719304
Po Shek Wu Road	43	PD	0.03781	50	50	N	0000-0100	600	0.009157988	0.008394692	0.226862481	0.051422307
Po Shek Wu Road	43	PD	0.03781	50	50	N	0100-0200	500	0.007956307	0.007288091	0.181691397	0.030699798
Po Shek Wu Road	43	PD	0.03781	50	50	N	0200-0300	350	0.007863029	0.007202329	0.182200046	0.030634378
Po Shek Wu Road	43	PD	0.03781	50	50	N	0300-0400	300	0.007955309	0.007287206	0.181577295	0.030765411
Po Shek Wu Road	43	PD	0.03781	50	50	N	0400-0500	250	0.008011186	0.007338432	0.182158461	0.030845299
Po Shek Wu Road	43	PD	0.03781	50	50	N	0500-0600	250	0.009187037	0.008421472	0.22748005	0.051571251
Po Shek Wu Road	43	PD	0.03781	50	50	N	0600-0700	500	0.00914101	0.008378712	0.226456234	0.051555078
Po Shek Wu Road	43	PD	0.03781	50	45	N	0700-0800	1250	0.009815276	0.009113924	0.251601864	0.058193847
Po Shek Wu Road	43	PD	0.03781	50	39	N	0800-0900	2050	0.010948705	0.010099406	0.290704996	0.068888952
Po Shek Wu Road	43	PD	0.03781	50	40	N	0900-1000	1950	0.010753975	0.009899268	0.283341201	0.066942418
Po Shek Wu Road	43	PD	0.03781	50	40	N	1000-1100	1950	0.010766753	0.009911065	0.283292985	0.066915558
Po Shek Wu Road	43	PD	0.03781	50	40	N	1100-1200	1900	0.010749372	0.009895052	0.283294498	0.066893912
Po Shek Wu Road	43	PD	0.03781	50	42	N	1200-1300	1600	0.010426859	0.009608331	0.269991129	0.063366101
Po Shek Wu Road	43	PD	0.03781	50	43	N	1300-1400	1500	0.01066089	0.009812283	0.273022152	0.064673388
Po Shek Wu Road	43	PD	0.03781	50	42	N	1400-1500	1700	0.010859322	0.010006418	0.279592331	0.0664909
Po Shek Wu Road	43	PD	0.03781	50	41	N	1500-1600	1800	0.010977046	0.010102979	0.28658168	0.068346136
Po Shek Wu Road	43	PD	0.03781	50	40	N	1600-1700	1850	0.011207665	0.010317183	0.294003057	0.07049613
Po Shek Wu Road	43	PD	0.03781	50	39	N	1700-1800	2000	0.011399531	0.01051378	0.301460033	0.07245072
Po Shek Wu Road	43	PD	0.03781	50	38	N	1800-1900	2150	0.011653002	0.010746041	0.31008351	0.074803323
Po Shek Wu Road	43	PD	0.03781	50	41	N	1900-2000	1800	0.010989904	0.010114872	0.286434731	0.06839292
Po Shek Wu Road	43	PD	0.03781	50	44	N	2000-2100	1450	0.010474947	0.009647148	0.266576649	0.06296355
Po Shek Wu Road	43	PD	0.03781	50	46	N	2100-2200	1100	0.010170732	0.009344849	0.254531481	0.059704361
Po Shek Wu Road	43	PD	0.03781	50	46	N	2200-2300	1100	0.0101618	0.009336738	0.254592942	0.059658559
Po Shek Wu Road	43	PD	0.03781	50	48	N	2300-0000	900	0.009906558	0.009095835	0.243960747	0.056849208
Po Shek Wu Road	44	PD	0.04411	50	50	N	0000-0100	500	0.008100295	0.007418818	0.205660194	0.043587022
Po Shek Wu Road	44	PD	0.04411	50	50	N	0100-0200	400	0.006791705	0.006213629	0.164665053	0.024482178
Po Shek Wu Road	44	PD	0.04411	50	50	N	0200-0300	300	0.006827722	0.006246797	0.165636227	0.024733767
Po Shek Wu Road	44	PD	0.04411	50	50	N	0300-0400	250	0.006859764	0.006276232	0.165109489	0.024776591
Po Shek Wu Road	44	PD	0.04411	50	50	N	0400-0500	200	0.00689443			

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Po Shek Wu Road	44	PD	0.04411	50	49	N	2100-2200	900	0.007139388	0.0066351	0.18674176	0.035202855
Po Shek Wu Road	44	PD	0.04411	50	49	N	2200-2300	900	0.00715392	0.006648345	0.187144032	0.035366209
Po Shek Wu Road	44	PD	0.04411	50	50	N	2300-0000	750	0.007058518	0.006458024	0.183420525	0.034433991
Fanling Highway Slip Road	45	EX	0.23927	100	97	N	0000-0100	350	0.005386024	0.00490417	0.115681031	0.015121203
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0100-0200	300	0.005369399	0.004995452	0.114316645	0.013954284
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0200-0300	250	0.005337888	0.004966403	0.114122478	0.013769258
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0300-0400	200	0.005470402	0.005077867	0.114070094	0.014186898
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0400-0500	150	0.005199308	0.004829062	0.112710858	0.013003709
Fanling Highway Slip Road	45	EX	0.23927	100	99	N	0500-0600	150	0.005330067	0.004949022	0.117458793	0.014975928
Fanling Highway Slip Road	45	EX	0.23927	100	98	N	0600-0700	300	0.005506258	0.005121126	0.118040828	0.01591432
Fanling Highway Slip Road	45	EX	0.23927	100	93	N	0700-0800	750	0.005268349	0.004890684	0.116366483	0.015536382
Fanling Highway Slip Road	45	EX	0.23927	100	82	N	0800-0900	1250	0.005034221	0.004643601	0.117720005	0.015619102
Fanling Highway Slip Road	45	EX	0.23927	100	84	N	0900-1000	1150	0.005047788	0.004656235	0.116816809	0.015548564
Fanling Highway Slip Road	45	EX	0.23927	100	84	N	1000-1100	1150	0.005039629	0.004648671	0.116915864	0.015525132
Fanling Highway Slip Road	45	EX	0.23927	100	85	N	1100-1200	1100	0.005158511	0.004658713	0.116747672	0.015568971
Fanling Highway Slip Road	45	EX	0.23927	100	88	N	1200-1300	950	0.005120739	0.004750268	0.116025414	0.015396497
Fanling Highway Slip Road	45	EX	0.23927	100	90	N	1300-1400	900	0.004998751	0.004631982	0.11633201	0.015765633
Fanling Highway Slip Road	45	EX	0.23927	100	88	N	1400-1500	1000	0.004975142	0.004615969	0.116361896	0.015724369
Fanling Highway Slip Road	45	EX	0.23927	100	86	N	1500-1600	1050	0.004937628	0.004577747	0.116266572	0.015498095
Fanling Highway Slip Road	45	EX	0.23927	100	86	N	1600-1700	1100	0.004983028	0.004619509	0.116689317	0.015773535
Fanling Highway Slip Road	45	EX	0.23927	100	84	N	1700-1800	1200	0.004878372	0.004500482	0.116876999	0.015677923
Fanling Highway Slip Road	45	EX	0.23927	100	82	N	1800-1900	1250	0.004856469	0.004480221	0.117548594	0.015698652
Fanling Highway Slip Road	45	EX	0.23927	100	86	N	1900-2000	1100	0.004973114	0.004610368	0.116083222	0.015549305
Fanling Highway Slip Road	45	EX	0.23927	100	91	N	2000-2100	850	0.004962621	0.004586626	0.115964678	0.015477592
Fanling Highway Slip Road	45	EX	0.23927	100	95	N	2100-2200	650	0.005179062	0.0048074	0.116875985	0.015641504
Fanling Highway Slip Road	45	EX	0.23927	100	95	N	2200-2300	650	0.005136978	0.004768873	0.116723773	0.015532294
Fanling Highway Slip Road	45	EX	0.23927	100	96	N	2300-0000	550	0.005224526	0.004737168	0.116647619	0.015376477
Fanling Highway Slip Road	46	EX	0.21539	100	96	N	0000-0100	500	0.005254685	0.004765026	0.11259315	0.013568959
Fanling Highway Slip Road	46	EX	0.21539	100	97	N	0100-0200	400	0.005223142	0.004753841	0.111781317	0.013278649
Fanling Highway Slip Road	46	EX	0.21539	100	97	N	0200-0300	300	0.005301919	0.004826664	0.112470727	0.013674274
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0300-0400	250	0.005240008	0.004877407	0.112691771	0.013404741
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0400-0500	200	0.005157561	0.004800898	0.113282866	0.013181761
Fanling Highway Slip Road	46	EX	0.21539	100	98	N	0500-0600	200	0.005218797	0.004857229	0.111904126	0.013253012
Fanling Highway Slip Road	46	EX	0.21539	100	97	N	0600-0700	400	0.005266498	0.004793721	0.11240373	0.013433404
Fanling Highway Slip Road	46	EX	0.21539	100	87	N	0700-0800	1000	0.004952949	0.004593325	0.111737832	0.013477821
Fanling Highway Slip Road	46	EX	0.21539	100	71	N	0800-0900	1750	0.004857515	0.00448249	0.118531742	0.013961478
Fanling Highway Slip Road	46	EX	0.21539	100	76	N	0900-1000	1550	0.004812099	0.004453811	0.115549692	0.013747483
Fanling Highway Slip Road	46	EX	0.21539	100	76	N	1000-1100	1550	0.004803988	0.004446376	0.115394197	0.013710903
Fanling Highway Slip Road	46	EX	0.21539	100	76	N	1100-1200	1500	0.00482116	0.004462148	0.115647766	0.013781859
Fanling Highway Slip Road	46	EX	0.21539	100	81	N	1200-1300	1300	0.004860476	0.004496765	0.113909803	0.013728815
Fanling Highway Slip Road	46	EX	0.21539	100	83	N	1300-1400	1200	0.004437525	0.004094928	0.10940644	0.012041627
Fanling Highway Slip Road	46	EX	0.21539	100	81	N	1400-1500	1350	0.004448999	0.004118665	0.110272219	0.012166206
Fanling Highway Slip Road	46	EX	0.21539	100	79	N	1500-1600	1450	0.004402827	0.004075937	0.110762151	0.01218275
Fanling Highway Slip Road	46	EX	0.21539	100	78	N	1600-1700	1500	0.004435481	0.004103023	0.111486453	0.012291654
Fanling Highway Slip Road	46	EX	0.21539	100	76	N	1700-1800	1600	0.004435883	0.004107851	0.112220619	0.01233641
Fanling Highway Slip Road	46	EX	0.21539	100	75	N	1800-1900	1650	0.004440969	0.004107867	0.112727466	0.012362514
Fanling Highway Slip Road	46	EX	0.21539	100	78	N	1900-2000	1450	0.004442675	0.004109621	0.111376229	0.012313105
Fanling Highway Slip Road	46	EX	0.21539	100	85	N	2000-2100	1150	0.004564421	0.00410843	0.109253327	0.012076743
Fanling Highway Slip Road	46	EX	0.21539	100	90	N	2100-2200	900	0.004533603	0.004204717	0.108576453	0.011916339
Fanling Highway Slip Road	46	EX	0.21539	100	91	N	2200-2300	900	0.004587161	0.004241104	0.108622142	0.012048306
Fanling Highway Slip Road	46	EX	0.21539	100	94	N	2300-0000	750	0.004724712	0.004392463	0.109270241	0.012004435
Fanling Highway Slip Road	47	EX	0.2288	100	98	N	0000-0100	250	0.005617898	0.005223882	0.136684161	0.024567087
Fanling Highway Slip Road	47	EX	0.2288	100	98	N	0100-0200	200	0.004689886	0.004371703	0.108694772	0.011332888
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0200-0300	150	0.004828338	0.004487527	0.110017588	0.012001474
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0300-0400	150	0.004626993	0.004302823	0.107435975	0.011006786
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0400-0500	100	0.004301599	0.004003243	0.107293226	0.010034743
Fanling Highway Slip Road	47	EX	0.2288	100	99	N	0500-0600	100	0.005114366	0.004749593	0.13553311	0.022814769
Fanling Highway Slip Road	47	EX	0.2288	100	98	N	0600-0700	200	0.005409601	0.005033062	0.132625138	0.023034927
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	0700-0800	550	0.00540025	0.005011626	0.135554063	0.024267572
Fanling Highway Slip Road	47	EX	0.2288	100	88	N	0800-0900	950	0.00525005	0.004868378	0.134403897	0.024070025
Fanling Highway Slip Road	47	EX	0.2288	100	90	N	0900-1000	850	0.005307166	0.004916031	0.134822182	0.024364326
Fanling Highway Slip Road	47	EX	0.2288	100	90	N	1000-1100	850	0.005297478	0.004907083	0.134718025	0.024277099
Fanling Highway Slip Road	47	EX	0.2288	100	90	N	1100-1200	850	0.005292762	0.004902802	0.134843184	0.024271997
Fanling Highway Slip Road	47	EX	0.2288	100	93	N	1200-1300	700	0.005382322	0.004996402	0.134169947	0.023983651
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	1300-1400	700	0.004501577	0.004187062	0.122789149	0.018068025
Fanling Highway Slip Road	47	EX	0.2288	100	93	N	1400-1500	750	0.004517396	0.004202882	0.122471803	0.018209325
Fanling Highway Slip Road	47	EX	0.2288	100	92	N	1500-1600	800	0.004540008	0.004095314	0.123214515	0.018509017
Fanling Highway Slip Road	47	EX	0.2288	100	92	N	1600-1700	800	0.004550533	0.004105034	0.12265567	0.018218209
Fanling Highway Slip Road	47	EX	0.2288	100	90	N	1700-1800	900	0.004436012	0.004115994	0.123103889	0.01856631
Fanling Highway Slip Road	47	EX	0.2288	100	89	N	1800-1900	950	0.004384336	0.004071479	0.122502734	0.018265942
Fanling Highway Slip Road	47	EX	0.2288	100	92	N	1900-2000	800	0.004511651	0.004069226	0.122875845	0.018281504
Fanling Highway Slip Road	47	EX	0.2288	100	95	N	2000-2100	650	0.004547507	0.004228954	0.123632091	0.018307479
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	2100-2200	500	0.004707106	0.004259692	0.124499721	0.018688491
Fanling Highway Slip Road	47	EX	0.2288	100	96	N	2200-2300	500	0.00464513	0.004202319	0.12337759	0.018127828
Fanling Highway Slip Road	47	EX	0.2288	100	97	N	2300-0000	400	0.004712256	0.004280598	0.124429022	0.01848478
Fanling Highway Slip Road	48	EX	0.17473	100	97	N	0000-0100	450	0.007354831	0.006725046	0.15794823	0.034578108
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0100-0200	350	0.00643338	0.005973466	0.121225478	0.017588617
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0200-0300	250	0.006404272	0.00593658	0.121145011	0.017503901
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0300-0400	200	0.006411723	0.005944032	0.121209868	0.017641742
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0400-0500	200	0.006480651	0.006006619	0.120883863	0.017713985
Fanling Highway Slip Road	48	EX	0.17473	100	99	N	0500-0600	200	0.007527449	0.006967784	0.16018855	0.035508984
Fanling Highway Slip Road	48	EX	0.17473	100	98	N	0600-0700	350	0.007350968	0.00681393	0.158945637	0.034974666
Fanling Highway Slip Road	48	EX	0.17473	100	95	N	0700-0800	950	0.007299823	0.006753403	0.158329564	0

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Fanling Highway EB	49	EX	0.49094	100	97	N	0000-0100	1250	0.00639872	0.005841178	0.129092113	0.021206889
Fanling Highway EB	49	EX	0.49094	100	97	N	0100-0200	1000	0.006089371	0.005555311	0.118882579	0.016485074
Fanling Highway EB	49	EX	0.49094	100	98	N	0200-0300	750	0.006109022	0.005674032	0.118907395	0.016519128
Fanling Highway EB	49	EX	0.49094	100	98	N	0300-0400	600	0.006101844	0.005667498	0.118901038	0.01650651
Fanling Highway EB	49	EX	0.49094	100	99	N	0400-0500	500	0.006148225	0.005701101	0.119230278	0.016639764
Fanling Highway EB	49	EX	0.49094	100	99	N	0500-0600	500	0.006414314	0.005945206	0.129039423	0.021061533
Fanling Highway EB	49	EX	0.49094	100	97	N	0600-0700	1000	0.00638232	0.005826002	0.12878674	0.021102185
Fanling Highway EB	49	EX	0.49094	100	91	N	0700-0800	2550	0.006145232	0.005672471	0.128127311	0.021222999
Fanling Highway EB	49	EX	0.49094	100	78	N	0800-0900	4450	0.006006539	0.005544496	0.132001018	0.021546493
Fanling Highway EB	49	EX	0.49094	100	81	N	0900-1000	3950	0.005995144	0.005539426	0.130591184	0.021323003
Fanling Highway EB	49	EX	0.49094	100	81	N	1000-1100	3950	0.005993632	0.005538042	0.130422992	0.021293713
Fanling Highway EB	49	EX	0.49094	100	82	N	1100-1200	3850	0.006010787	0.00554176	0.13001718	0.021291589
Fanling Highway EB	49	EX	0.49094	100	86	N	1200-1300	3300	0.006111114	0.005655283	0.128621492	0.021175169
Fanling Highway EB	49	EX	0.49094	100	87	N	1300-1400	3100	0.006198919	0.005738567	0.129953241	0.021971167
Fanling Highway EB	49	EX	0.49094	100	85	N	1400-1500	3400	0.006191243	0.005614969	0.130592424	0.021994035
Fanling Highway EB	49	EX	0.49094	100	83	N	1500-1600	3600	0.006074823	0.005600565	0.131212214	0.02198557
Fanling Highway EB	49	EX	0.49094	100	82	N	1600-1700	3750	0.006084431	0.005609513	0.131654977	0.022070061
Fanling Highway EB	49	EX	0.49094	100	80	N	1700-1800	4000	0.006079458	0.005616771	0.132724129	0.022140083
Fanling Highway EB	49	EX	0.49094	100	80	N	1800-1900	4100	0.00607228	0.005610205	0.132660865	0.022111485
Fanling Highway EB	49	EX	0.49094	100	83	N	1900-2000	3650	0.006087521	0.005612281	0.131277731	0.022039033
Fanling Highway EB	49	EX	0.49094	100	88	N	2000-2100	2900	0.006181651	0.005726062	0.129482137	0.021876553
Fanling Highway EB	49	EX	0.49094	100	93	N	2100-2200	2250	0.006315404	0.005851462	0.129655544	0.021924978
Fanling Highway EB	49	EX	0.49094	100	93	N	2200-2300	2250	0.006318848	0.0058546	0.129605767	0.021908531
Fanling Highway EB	49	EX	0.49094	100	95	N	2300-0000	1850	0.006323901	0.005857224	0.130007813	0.021793769
Fanling Highway WB	50	EX	0.53938	100	97	N	0000-0100	1300	0.006351099	0.005797211	0.126880874	0.020289708
Fanling Highway WB	50	EX	0.53938	100	97	N	0100-0200	1100	0.006122299	0.005585854	0.119105312	0.016595732
Fanling Highway WB	50	EX	0.53938	100	98	N	0200-0300	800	0.006178111	0.005737444	0.11940935	0.016798574
Fanling Highway WB	50	EX	0.53938	100	98	N	0300-0400	650	0.006173669	0.005733191	0.119290419	0.016752322
Fanling Highway WB	50	EX	0.53938	100	99	N	0400-0500	550	0.00615323	0.005705479	0.119171955	0.0166612
Fanling Highway WB	50	EX	0.53938	100	99	N	0500-0600	550	0.006385137	0.00591833	0.127688652	0.020346936
Fanling Highway WB	50	EX	0.53938	100	97	N	0600-0700	1050	0.006355589	0.005801395	0.127258458	0.020302726
Fanling Highway WB	50	EX	0.53938	100	90	N	0700-0800	2700	0.006088132	0.005631497	0.126149459	0.020398564
Fanling Highway WB	50	EX	0.53938	100	74	N	0800-0900	4950	0.005983509	0.005531814	0.132826917	0.020920683
Fanling Highway WB	50	EX	0.53938	100	79	N	0900-1000	4150	0.005965935	0.005512116	0.129865242	0.020741209
Fanling Highway WB	50	EX	0.53938	100	79	N	1000-1100	4200	0.005965323	0.005511569	0.129697805	0.020715733
Fanling Highway WB	50	EX	0.53938	100	80	N	1100-1200	4050	0.005967673	0.005513983	0.129292222	0.020548313
Fanling Highway WB	50	EX	0.53938	100	84	N	1200-1300	3500	0.005988659	0.00552145	0.127762441	0.020524833
Fanling Highway WB	50	EX	0.53938	100	85	N	1300-1400	3300	0.006846552	0.006221869	0.135142007	0.024066613
Fanling Highway WB	50	EX	0.53938	100	82	N	1400-1500	3650	0.006740914	0.006213162	0.136430319	0.024140659
Fanling Highway WB	50	EX	0.53938	100	81	N	1500-1600	3850	0.006742765	0.006226391	0.137015895	0.024230637
Fanling Highway WB	50	EX	0.53938	100	80	N	1600-1700	3950	0.00673879	0.006222512	0.137656977	0.024263645
Fanling Highway WB	50	EX	0.53938	100	78	N	1700-1800	4250	0.006738838	0.006216091	0.138623469	0.024390703
Fanling Highway WB	50	EX	0.53938	100	79	N	1800-1900	4050	0.006732063	0.006216043	0.138012208	0.0243903
Fanling Highway WB	50	EX	0.53938	100	80	N	1900-2000	3900	0.006719961	0.006205196	0.137544709	0.024193333
Fanling Highway WB	50	EX	0.53938	100	87	N	2000-2100	3050	0.006842367	0.006330178	0.134334422	0.024005007
Fanling Highway WB	50	EX	0.53938	100	91	N	2100-2200	2400	0.006863579	0.006332221	0.133717432	0.023917073
Fanling Highway WB	50	EX	0.53938	100	92	N	2200-2300	2350	0.006979162	0.006351292	0.134011185	0.024054221
Fanling Highway WB	50	EX	0.53938	100	95	N	2300-0000	1950	0.00699775	0.006475002	0.134598419	0.023959302
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0000-0100	750	0.006594448	0.006030196	0.172525716	0.029813596
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0100-0200	650	0.005798599	0.005297124	0.150748411	0.019300412
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0200-0300	450	0.005827853	0.005323935	0.151050533	0.019471727
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0300-0400	400	0.005787201	0.005286808	0.150161725	0.019128518
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0400-0500	300	0.005807994	0.005306007	0.149935499	0.019322814
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0500-0600	300	0.006497614	0.005941006	0.171766009	0.029097471
Tai Tau Leng Roundabout	51	LD	0.02892	50	50	N	0600-0700	600	0.006576375	0.006013459	0.172995516	0.029897508
Tai Tau Leng Roundabout	51	LD	0.02892	50	45	N	0700-0800	1600	0.007114958	0.006637482	0.190019945	0.03333701
Tai Tau Leng Roundabout	51	LD	0.02892	50	38	N	0800-0900	2600	0.008215926	0.007593754	0.220761538	0.040745661
Tai Tau Leng Roundabout	51	LD	0.02892	50	39	N	0900-1000	2450	0.008017494	0.007406201	0.215851156	0.039625928
Tai Tau Leng Roundabout	51	LD	0.02892	50	39	N	1000-1100	2450	0.00801846	0.007407022	0.215721571	0.039533558
Tai Tau Leng Roundabout	51	LD	0.02892	50	39	N	1100-1200	2400	0.00801368	0.007402661	0.215546008	0.039542065
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	1200-1300	2050	0.007671952	0.007066292	0.205948218	0.037408236
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	1300-1400	1950	0.006811146	0.006268459	0.184484349	0.03053072
Tai Tau Leng Roundabout	51	LD	0.02892	50	41	N	1400-1500	2150	0.007090689	0.006532263	0.192388047	0.033280275
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1500-1600	2250	0.007254504	0.006680548	0.196740936	0.033205788
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1600-1700	2350	0.007250079	0.006676508	0.196790906	0.03312413
Tai Tau Leng Roundabout	51	LD	0.02892	50	39	N	1700-1800	2500	0.007426479	0.00686308	0.201180682	0.034200829
Tai Tau Leng Roundabout	51	LD	0.02892	50	37	N	1800-1900	2700	0.007778233	0.00720183	0.210308478	0.036237631
Tai Tau Leng Roundabout	51	LD	0.02892	50	40	N	1900-2000	2300	0.00725333	0.006679454	0.197033869	0.033264143
Tai Tau Leng Roundabout	51	LD	0.02892	50	43	N	2000-2100	1800	0.006822138	0.006278598	0.18465737	0.03061167
Tai Tau Leng Roundabout	51	LD	0.02892	50	46	N	2100-2200	1400	0.006469515	0.005934408	0.174665902	0.028423799
Tai Tau Leng Roundabout	51	LD	0.02892	50	46	N	2200-2300	1400	0.006481102	0.005945126	0.175142075	0.02855649
Tai Tau Leng Roundabout	51	LD	0.02892	50	48	N	2300-0000	1150	0.006278373	0.005749381	0.168493634	0.027169734
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0000-0100	300	0.008237572	0.007545892	0.205138992	0.042117096
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0100-0200	250	0.00752209	0.006887429	0.175002996	0.028222712
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0200-0300	150	0.007521543	0.006886463	0.173469387	0.028299107
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0300-0400	150	0.007963441	0.006741933	0.172230675	0.02777731
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0400-0500	100	0.00751208	0.006877918	0.176084459	0.028305931
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0500-0600	100	0.007902812	0.007237461	0.201887103	0.040752179
Tai Tau Leng Roundabout	52	LD	0.02794	50	50	N	0600-0700	250	0.008021904	0.007346865	0.204181819	0.041459437
Tai Tau Leng Roundabout	52	LD	0.02794	50	49	N	0700-0800	600	0.008211114	0.007615432	0.208213966	0.042865087
Tai Tau Leng Roundabout	52	LD	0.02794	50	45	N	0800-0900	950	0.008739559	0.008126543	0.227108404	0.047676607
Tai Tau Leng Roundabout	52	LD	0.02794	50	45	N	0900-1000	900	0.008756924	0.008142573	0.227128972	0.047750669
Tai Tau Leng Roundabout	52	LD	0.02794	50	45	N	1000-1100	900	0.008768446	0.008153098	0.22693915	0.047799963
Tai Tau Leng Roundabout	52											

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)										Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2	
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0300-0400	400	0.005830734	0.005326703	0.151003138	0.019317986	
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0400-0500	350	0.005870324	0.0053633	0.151098234	0.019602647	
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0500-0600	350	0.006496085	0.005939461	0.170976578	0.028621427	
Tai Tau Leng Roundabout	53	LD	0.02937	50	50	N	0600-0700	650	0.006567443	0.00600538	0.170737461	0.029089649	
Tai Tau Leng Roundabout	53	LD	0.02937	50	44	N	0700-0800	1700	0.007207511	0.006630562	0.191825726	0.033492541	
Tai Tau Leng Roundabout	53	LD	0.02937	50	35	N	0800-0900	2950	0.008755137	0.008109678	0.235642772	0.043695701	
Tai Tau Leng Roundabout	53	LD	0.02937	50	38	N	0900-1000	2600	0.008153629	0.007536445	0.218448975	0.039615306	
Tai Tau Leng Roundabout	53	LD	0.02937	50	37	N	1000-1100	2650	0.00834263	0.007719331	0.224052823	0.041023144	
Tai Tau Leng Roundabout	53	LD	0.02937	50	38	N	1100-1200	2550	0.008147916	0.007531263	0.218568179	0.039627956	
Tai Tau Leng Roundabout	53	LD	0.02937	50	41	N	1200-1300	2200	0.007604279	0.007003688	0.203925128	0.036292172	
Tai Tau Leng Roundabout	53	LD	0.02937	50	42	N	1300-1400	2050	0.006929674	0.006388838	0.187210208	0.030941022	
Tai Tau Leng Roundabout	53	LD	0.02937	50	40	N	1400-1500	2250	0.007185673	0.006617124	0.195004679	0.032685905	
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	1500-1600	2400	0.007346736	0.006789806	0.199761063	0.033783526	
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	1600-1700	2500	0.007352256	0.006794843	0.199642519	0.033781064	
Tai Tau Leng Roundabout	53	LD	0.02937	50	38	N	1700-1800	2700	0.007534321	0.006966637	0.203718859	0.034633598	
Tai Tau Leng Roundabout	53	LD	0.02937	50	37	N	1800-1900	2700	0.007717432	0.007146147	0.208765874	0.035805474	
Tai Tau Leng Roundabout	53	LD	0.02937	50	39	N	1900-2000	2450	0.007347508	0.006790498	0.199700584	0.033751822	
Tai Tau Leng Roundabout	53	LD	0.02937	50	43	N	2000-2100	1950	0.006749814	0.006212213	0.183095952	0.030149821	
Tai Tau Leng Roundabout	53	LD	0.02937	50	45	N	2100-2200	1500	0.006440482	0.00601922	0.176437887	0.028712853	
Tai Tau Leng Roundabout	53	LD	0.02937	50	46	N	2200-2300	1500	0.006357794	0.005831506	0.173255441	0.027800903	
Tai Tau Leng Roundabout	53	LD	0.02937	50	47	N	2300-0000	1250	0.006240103	0.00582119	0.170063758	0.027358172	
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0000-0100	550	0.006583118	0.006020137	0.167048765	0.026847543	
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0100-0200	450	0.006092944	0.005568781	0.154720884	0.020711308	
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0200-0300	350	0.005983187	0.005467585	0.153591784	0.020224723	
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0300-0400	300	0.006052646	0.005531653	0.155127147	0.020600118	
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0400-0500	200	0.006044777	0.005524073	0.152235043	0.020354613	
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0500-0600	250	0.006693929	0.006127191	0.167411495	0.027318824	
Tai Tau Leng Roundabout	54	LD	0.0411	50	50	N	0600-0700	450	0.006645673	0.006077672	0.168426862	0.027368263	
Tai Tau Leng Roundabout	54	LD	0.0411	50	43	N	0700-0800	1150	0.007459293	0.006863031	0.192747301	0.032753659	
Tai Tau Leng Roundabout	54	LD	0.0411	50	34	N	0800-0900	2000	0.009051546	0.008392906	0.239146732	0.043334822	
Tai Tau Leng Roundabout	54	LD	0.0411	50	37	N	0900-1000	1750	0.008430082	0.007800571	0.220627705	0.039072088	
Tai Tau Leng Roundabout	54	LD	0.0411	50	37	N	1000-1100	1750	0.00842939	0.007799895	0.221213136	0.039207225	
Tai Tau Leng Roundabout	54	LD	0.0411	50	37	N	1100-1200	1700	0.008446867	0.007815956	0.221341111	0.039280321	
Tai Tau Leng Roundabout	54	LD	0.0411	50	40	N	1200-1300	1450	0.007891241	0.007267299	0.205612252	0.035549858	
Tai Tau Leng Roundabout	54	LD	0.0411	50	41	N	1300-1400	1400	0.007352948	0.006772683	0.195807774	0.033052868	
Tai Tau Leng Roundabout	54	LD	0.0411	50	39	N	1400-1500	1500	0.007702031	0.007116761	0.204671976	0.035022689	
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	1500-1600	1600	0.007896536	0.007300692	0.209436889	0.036119135	
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	1600-1700	1650	0.007909137	0.007312248	0.209119672	0.036120036	
Tai Tau Leng Roundabout	54	LD	0.0411	50	37	N	1700-1800	1800	0.008060399	0.007461128	0.213588772	0.037053568	
Tai Tau Leng Roundabout	54	LD	0.0411	50	37	N	1800-1900	1750	0.008081562	0.007480569	0.21412161	0.037206183	
Tai Tau Leng Roundabout	54	LD	0.0411	50	38	N	1900-2000	1650	0.00788725	0.007292243	0.209274201	0.035920848	
Tai Tau Leng Roundabout	54	LD	0.0411	50	42	N	2000-2100	1300	0.00725576	0.00668911	0.191017674	0.031963107	
Tai Tau Leng Roundabout	54	LD	0.0411	50	45	N	2100-2200	1000	0.006775338	0.006325784	0.179592619	0.029532911	
Tai Tau Leng Roundabout	54	LD	0.0411	50	45	N	2200-2300	1000	0.006767774	0.006318735	0.180391176	0.029620717	
Tai Tau Leng Roundabout	54	LD	0.0411	50	47	N	2300-0000	800	0.006583247	0.006135431	0.173276427	0.028154926	
Tai Tau Leng Roundabout	55	LD	0.03223	50	49	N	0000-0100	1000	0.007425529	0.006896393	0.192389608	0.036672283	
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0100-0200	800	0.006565094	0.006004511	0.162570942	0.023414523	
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0200-0300	600	0.006580608	0.006018786	0.162437962	0.023494861	
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0300-0400	500	0.006550304	0.005990703	0.162370064	0.023218811	
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0400-0500	400	0.006599566	0.006036118	0.162635976	0.02346327	
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0500-0600	400	0.007488889	0.00685521	0.189108107	0.03624402	
Tai Tau Leng Roundabout	55	LD	0.03223	50	50	N	0600-0700	800	0.007406265	0.006779072	0.188585086	0.036030508	
Tai Tau Leng Roundabout	55	LD	0.03223	50	41	N	0700-0800	2100	0.008577353	0.007897972	0.228145321	0.045651698	
Tai Tau Leng Roundabout	55	LD	0.03223	50	30	N	0800-0900	3500	0.011148103	0.010268339	0.316532296	0.067285224	
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	0900-1000	3200	0.010229747	0.009483253	0.281241474	0.058906426	
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	1000-1100	3200	0.01023023	0.009483703	0.28086912	0.058899512	
Tai Tau Leng Roundabout	55	LD	0.03223	50	33	N	1100-1200	3100	0.010226963	0.009480758	0.281173077	0.058958671	
Tai Tau Leng Roundabout	55	LD	0.03223	50	36	N	1200-1300	2650	0.009562336	0.008861483	0.258189408	0.053225528	
Tai Tau Leng Roundabout	55	LD	0.03223	50	37	N	1300-1400	2500	0.009621721	0.008890837	0.259010672	0.054455453	
Tai Tau Leng Roundabout	55	LD	0.03223	50	35	N	1400-1500	2750	0.010081124	0.009326824	0.27399912	0.058311409	
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1500-1600	2950	0.010265909	0.009506669	0.281354402	0.060093677	
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1600-1700	3050	0.010294394	0.009532804	0.281680503	0.060272556	
Tai Tau Leng Roundabout	55	LD	0.03223	50	32	N	1700-1800	3250	0.01084405	0.009966796	0.298914099	0.064799271	
Tai Tau Leng Roundabout	55	LD	0.03223	50	31	N	1800-1900	3400	0.01110074	0.010204287	0.308540261	0.067232904	
Tai Tau Leng Roundabout	55	LD	0.03223	50	34	N	1900-2000	3000	0.010281809	0.009521201	0.281391674	0.060164392	
Tai Tau Leng Roundabout	55	LD	0.03223	50	39	N	2000-2100	2350	0.009209519	0.008501456	0.246372719	0.05114521	
Tai Tau Leng Roundabout	55	LD	0.03223	50	42	N	2100-2200	1850	0.008754526	0.008068639	0.229585185	0.047136221	
Tai Tau Leng Roundabout	55	LD	0.03223	50	42	N	2200-2300	1800	0.008743872	0.008058806	0.229283336	0.046990978	
Tai Tau Leng Roundabout	55	LD	0.03223	50	45	N	2300-0000	1500	0.008215605	0.007646573	0.215039547	0.04429822	
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0000-0100	400	0.00486664	0.004437332	0.136241237	0.014222513	
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0100-0200	350	0.004993666	0.004554331	0.136340357	0.01477027	
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0200-0300	250	0.004916868	0.004483632	0.136843808	0.01443131	
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0300-0400	200	0.005018739	0.00457039	0.138538785	0.014823394	
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0400-0500	150	0.004793592	0.004369691	0.135625567	0.013785158	
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0500-0600	150	0.004817829	0.004391803	0.133649131	0.013787057	
Tai Tau Leng Roundabout	56	LD	0.02826	50	50	N	0600-0700	300	0.004985442	0.004546847	0.136678432	0.014647943	
Tai Tau Leng Roundabout	56	LD	0.02826	50	47	N	0700-0800	800	0.005160812	0.004831074	0.143748248	0.015742378	
Tai Tau Leng Roundabout	56	LD	0.02826	50	41	N	0800-0900	1450	0.005813128	0.005357184	0.15993173	0.018319967	
Tai Tau Leng Roundabout	56	LD	0.02826	50	43	N	0900-1000	1250	0.005604444	0.005155147	0.15386386	0.017363357	
Tai Tau Leng Roundabout	56	LD	0.02826	50	43	N	1000-1100	1250	0.005581157	0.005133727	0.153710908	0.017232308	
Tai Tau Leng Roundabout	56	LD	0.02826	50	43	N	1100-1200	1250	0.005590989	0.005142723	0.153939869	0.017273958	
Tai Tau Leng Roundabout	56	LD	0.02826	50	45	N	1200-1300	1050	0.005331354	0.005000956	0.148904039	0.016455977	
Tai Tau Leng Roundabout	56	LD	0.02826	50	46	N	1300-1400	1000	0.004527407	0.004144656	0.133389238	0.011587422	
Tai Tau Leng Roundabout	56	LD											

Traffic Data and Composite Emission Factors

Operation (2044 Traffic x 2044 Vehicle EFs)									Composite Emission Factor (g/mile-veh)			
Road Name	Road ID	Road Type	Road Length (km)	Speed Limit (km/hr)	Average Speed (km/hr)	Start Emission Estimated by Broad Brush Approach (Y/N)	Hour	Total Vehicle (Veh/hr)	RSP	FSP	Res NOx	NO2
Tai Tau Leng Roundabout	57	LD	0.02888	50	50	N	0600-0700	700	0.006445294	0.005892983	0.167760787	0.027665651
Tai Tau Leng Roundabout	57	LD	0.02888	50	43	N	0700-0800	1850	0.007194798	0.006620407	0.191255761	0.032445099
Tai Tau Leng Roundabout	57	LD	0.02888	50	35	N	0800-0900	3050	0.008616299	0.007981896	0.230946899	0.041647151
Tai Tau Leng Roundabout	57	LD	0.02888	50	36	N	0900-1000	2850	0.008385294	0.007779199	0.224854566	0.040206386
Tai Tau Leng Roundabout	57	LD	0.02888	50	36	N	1000-1100	2850	0.00838494	0.007778829	0.224691813	0.040152167
Tai Tau Leng Roundabout	57	LD	0.02888	50	37	N	1100-1200	2750	0.008211839	0.007599693	0.219605385	0.039044424
Tai Tau Leng Roundabout	57	LD	0.02888	50	39	N	1200-1300	2350	0.007816117	0.007221529	0.209136635	0.03648613
Tai Tau Leng Roundabout	57	LD	0.02888	50	41	N	1300-1400	2250	0.006776658	0.006243305	0.184682186	0.02868786
Tai Tau Leng Roundabout	57	LD	0.02888	50	39	N	1400-1500	2450	0.007148175	0.006607629	0.193041714	0.03055346
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1500-1600	2600	0.007333475	0.006784238	0.19760517	0.031577534
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1600-1700	2700	0.007316561	0.006768756	0.197277266	0.031408971
Tai Tau Leng Roundabout	57	LD	0.02888	50	36	N	1700-1800	2900	0.007683926	0.007134206	0.206695646	0.033583855
Tai Tau Leng Roundabout	57	LD	0.02888	50	35	N	1800-1900	3100	0.00788894	0.007314597	0.211768668	0.034630492
Tai Tau Leng Roundabout	57	LD	0.02888	50	38	N	1900-2000	2650	0.007302077	0.006755447	0.19708083	0.031319177
Tai Tau Leng Roundabout	57	LD	0.02888	50	42	N	2000-2100	2100	0.006732835	0.006207529	0.181229934	0.028108577
Tai Tau Leng Roundabout	57	LD	0.02888	50	45	N	2100-2200	1650	0.006268926	0.005861392	0.17128216	0.026081689
Tai Tau Leng Roundabout	57	LD	0.02888	50	45	N	2200-2300	1600	0.006262151	0.005855244	0.170894276	0.025938473
Tai Tau Leng Roundabout	57	LD	0.02888	50	47	N	2300-0000	1350	0.006073085	0.005667756	0.164666597	0.024691296
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0000-0100	450	0.006729729	0.006154051	0.180152365	0.034630305
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0100-0200	350	0.005492321	0.005014587	0.145161638	0.017468383
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0200-0300	250	0.00554963	0.005067229	0.145846317	0.017864362
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0300-0400	200	0.005332642	0.004867413	0.142334471	0.016683562
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0400-0500	150	0.005474377	0.004997995	0.143815872	0.017283051
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0500-0600	200	0.006779249	0.006200127	0.180067633	0.033958623
Tai Tau Leng Roundabout	58	LD	0.05305	50	50	N	0600-0700	350	0.006635277	0.006067211	0.179743576	0.033909119
Tai Tau Leng Roundabout	58	LD	0.05305	50	46	N	0700-0800	900	0.007228642	0.006635068	0.195109576	0.037924256
Tai Tau Leng Roundabout	58	LD	0.05305	50	40	N	0800-0900	1400	0.008030031	0.007391604	0.219060687	0.04355947
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	0900-1000	1350	0.007842848	0.007224925	0.214155422	0.04238827
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1000-1100	1400	0.007885947	0.007264595	0.21480748	0.042735695
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1100-1200	1350	0.007866731	0.007246989	0.214615163	0.042645942
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1200-1300	1150	0.007588186	0.006987031	0.205945338	0.040585998
Tai Tau Leng Roundabout	58	LD	0.05305	50	44	N	1300-1400	1100	0.006597297	0.006068209	0.182542531	0.031476934
Tai Tau Leng Roundabout	58	LD	0.05305	50	43	N	1400-1500	1200	0.006766358	0.006229867	0.186054538	0.032415342
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1500-1600	1250	0.006936514	0.006395356	0.189324564	0.03310868
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1600-1700	1300	0.006914691	0.006375352	0.189101477	0.03283983
Tai Tau Leng Roundabout	58	LD	0.05305	50	41	N	1700-1800	1400	0.007022952	0.006471221	0.193135909	0.033944847
Tai Tau Leng Roundabout	58	LD	0.05305	50	39	N	1800-1900	1550	0.007329387	0.006773423	0.200991391	0.035538548
Tai Tau Leng Roundabout	58	LD	0.05305	50	42	N	1900-2000	1300	0.006937995	0.006396772	0.189190409	0.033117177
Tai Tau Leng Roundabout	58	LD	0.05305	50	45	N	2000-2100	1000	0.00647938	0.006055945	0.179538867	0.030948747
Tai Tau Leng Roundabout	58	LD	0.05305	50	47	N	2100-2200	800	0.006261443	0.005842208	0.173763495	0.029709263
Tai Tau Leng Roundabout	58	LD	0.05305	50	47	N	2200-2300	800	0.006277842	0.005857224	0.173243162	0.029591475
Tai Tau Leng Roundabout	58	LD	0.05305	50	49	N	2300-0000	650	0.006049347	0.00563721	0.167410803	0.028404922
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0000-0100	250	0.009202696	0.008435296	0.236426281	0.056443235
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0100-0200	200	0.007599532	0.00695956	0.178549362	0.028882333
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0200-0300	150	0.007921207	0.007255888	0.182329116	0.030481893
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0300-0400	150	0.007709353	0.00706082	0.180225767	0.029632513
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0400-0500	100	0.007433093	0.006804966	0.17852556	0.028206827
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0500-0600	100	0.008936896	0.008189758	0.23580089	0.054855585
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0600-0700	200	0.009235446	0.008465793	0.238772898	0.056916012
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	0700-0800	550	0.009152001	0.008388512	0.235731398	0.05834098
Po Shek Wu Road Flyover	60	LD	0.31852	50	45	N	0800-0900	950	0.009817175	0.009116885	0.26177369	0.063124555
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	0900-1000	850	0.009788352	0.00899464	0.256916159	0.062030909
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1000-1100	850	0.009758515	0.008967104	0.256091483	0.061767958
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1100-1200	850	0.009761669	0.008969904	0.256580385	0.061873338
Po Shek Wu Road Flyover	60	LD	0.31852	50	48	N	1200-1300	700	0.009427956	0.008654263	0.245943475	0.058715999
Po Shek Wu Road Flyover	60	LD	0.31852	50	48	N	1300-1400	700	0.008784797	0.008061252	0.237984319	0.056041848
Po Shek Wu Road Flyover	60	LD	0.31852	50	48	N	1400-1500	750	0.008793584	0.008069106	0.237376904	0.056037112
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1500-1600	800	0.009005567	0.00835441	0.243662696	0.057944785
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1600-1700	800	0.008956257	0.00830922	0.243002817	0.057622433
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1700-1800	900	0.009085069	0.008347201	0.247250165	0.058635322
Po Shek Wu Road Flyover	60	LD	0.31852	50	46	N	1800-1900	900	0.009101082	0.008361958	0.247709359	0.058686194
Po Shek Wu Road Flyover	60	LD	0.31852	50	47	N	1900-2000	800	0.008968214	0.008320341	0.242734877	0.057714375
Po Shek Wu Road Flyover	60	LD	0.31852	50	49	N	2000-2100	650	0.008621079	0.007990972	0.233844153	0.054987663
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2100-2200	500	0.008669134	0.007942756	0.229437511	0.054196848
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2200-2300	500	0.008665899	0.007939827	0.230007605	0.054076823
Po Shek Wu Road Flyover	60	LD	0.31852	50	50	N	2300-0000	400	0.008484687	0.007772649	0.22821898	0.05317234