

### **Appendix 3.4**

Estimation of Trips for Roads with Start  
Emission in Year 2033, Year 2036, Year  
2041, Year 2046 and Year 2048

## **Annex 1**

Estimation of Trips  
(Lam Tei Area)

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2033  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	173.7	121.3	86.5	67.4	68.2	87.1	229.9	481.5	613.6	447.8	356.5	373.8	155.6	168.5	162.5	176.3	195.9	243.4	331.5	283.4	225.7	202.7	187.7	135.0
	TAXI	9.3	6.5	4.9	3.7	3.9	5.1	13.6	29.2	21.5	18.2	21.0	18.9	6.2	8.8	7.6	10.8	11.3	9.9	10.3	8.3	9.7	8.0	9.9	7.1
	LGV3	0.1	0.1	0.0	0.0	0.0	0.1	0.9	2.8	2.8	3.1	3.0	3.0	1.4	1.6	1.6	2.1	1.7	1.7	0.8	0.4	0.1	0.0	0.1	0.0
	LGV4	37.6	30.7	25.5	23.2	26.4	38.9	117.9	278.9	284.2	358.1	305.9	315.5	184.4	203.4	207.5	242.3	228.9	231.3	150.2	88.3	49.3	39.8	42.9	37.6
	LGV6	9.2	7.2	6.2	5.6	6.4	9.4	28.6	67.3	69.1	87.3	73.9	76.0	45.0	49.6	50.4	58.7	55.2	55.8	36.0	21.4	11.6	9.7	10.5	9.4
	HGV7	3.4	2.4	2.2	1.4	2.1	2.6	8.6	21.0	23.2	24.4	40.0	31.5	26.8	21.4	32.2	20.8	20.9	16.7	10.1	7.9	5.4	9.0	4.5	3.8
	HGV8	6.9	4.9	4.1	3.5	4.0	6.0	17.9	42.0	46.3	48.5	78.4	62.8	53.2	42.3	63.3	40.8	41.1	32.7	20.1	15.3	11.8	18.3	9.6	7.9
	PLB	0.9	0.6	0.5	0.4	0.4	0.6	1.6	3.7	3.0	2.6	1.9	2.2	3.3	2.2	2.5	2.3	2.5	3.8	3.8	3.8	2.5	3.2	2.6	2.0
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.1	0.4	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
	PV5	0.7	0.5	0.5	0.3	0.5	0.7	3.4	7.7	2.1	4.8	6.9	5.6	1.8	1.5	1.2	2.7	5.8	4.5	2.8	0.2	0.2	0.0	0.3	0.3
	NFB6	1.4	1.0	0.9	0.8	0.9	1.9	5.7	14.2	8.9	6.2	6.2	4.0	2.7	1.7	2.3	2.6	3.3	3.2	2.7	3.7	2.7	1.6	0.8	0.6
	NFB7	0.9	0.6	0.6	0.6	0.6	1.0	3.9	9.7	6.1	4.2	4.2	3.0	2.2	1.1	1.5	1.7	2.3	2.3	2.2	2.5	2.2	0.9	0.5	0.4
	NFB8	2.3	2.0	1.8	1.4	1.9	2.9	8.7	21.8	14.2	10.0	9.9	6.2	4.4	2.7	3.6	4.1	5.2	5.0	4.5	5.5	4.5	2.5	1.5	1.4
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	51.4	38.1	26.2	21.5	24.1	35.0	89.6	214.3	191.7	93.7	63.8	89.6	43.4	35.4	35.4	43.4	41.4	122.2	130.9	49.8	57.7	49.2	50.3	37.4
	HGV9	1.2	1.0	0.7	0.7	0.7	1.0	4.4	10.9	12.2	12.5	20.3	16.3	13.2	11.2	16.7	11.0	11.0	8.1	4.7	3.9	2.9	4.3	2.4	2.1
	NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2033  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	
	LGV3	0.4338	0.4338	0.4249	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4343	0.4332	0.4338	0.4344	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4307
	LGV4	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273
	LGV6	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885
	HGV7	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388
	HGV8	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2337	0.2337	0.2337	0.2337	0.2337	0.2337	0.2337	0.2337	0.2339	0.2337	0.2337	0.2337	0.2337	0.2337	0.2337	0.2341	0.2337	0.2337	0.2337	0.2337	0.2358	0.2309	0.2337	0.2304	0.2337
	PV5	0.2707	0.2706	0.2707	0.2707	0.2707	0.2706	0.2706	0.2706	0.2706	0.2707	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2707	0.2707	0.2707	0.2707	0.2707
	NFB6	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403
	NFB7	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433
	NFB8	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423
	MC	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847
HGV9	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	
NFB9	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2036  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	197.7	137.6	98.5	76.1	77.3	99.0	261.0	547.3	696.6	509.0	405.5	424.7	164.5	178.9	171.9	186.5	207.5	257.5	350.4	299.6	238.3	214.2	198.5	142.5
	TAXI	10.5	7.4	5.5	4.2	4.4	5.8	15.4	33.1	24.4	20.6	23.8	21.5	6.6	9.4	7.9	11.4	11.8	10.4	10.8	8.8	10.2	8.5	10.4	7.5
	LGV3	0.1	0.1	0.1	0.1	0.1	0.2	1.1	3.4	3.6	4.9	3.7	3.7	1.4	1.7	1.7	2.1	1.7	1.7	1.0	0.4	0.1	0.0	0.1	0.0
	LGV4	46.3	37.7	31.6	28.4	33.2	47.7	145.2	345.2	351.5	443.5	378.0	389.5	196.1	215.8	219.8	257.4	242.9	245.8	159.2	93.3	52.5	41.9	45.6	39.8
	LGV6	11.1	8.9	7.4	6.8	7.9	11.6	35.5	83.3	85.0	107.7	91.4	94.0	47.5	52.5	53.2	62.1	58.5	59.2	38.1	22.9	12.0	10.2	11.0	9.8
	HGV7	4.1	3.0	2.5	2.2	2.4	3.8	11.0	26.0	28.2	29.5	49.2	38.4	28.6	22.6	34.0	21.9	22.1	17.3	10.9	8.3	5.7	9.3	5.0	4.2
	HGV8	8.3	6.3	5.1	4.3	4.9	7.2	21.8	51.1	56.4	59.0	96.0	76.7	55.4	44.4	66.8	42.6	42.8	34.3	21.1	16.1	12.3	19.3	9.9	8.2
	PLB	0.9	0.6	0.5	0.4	0.4	0.6	1.6	3.7	3.0	2.6	1.9	2.2	3.3	2.2	2.5	2.3	2.5	3.8	3.8	3.8	2.5	3.2	2.6	2.0
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.1	0.4	0.7	0.6	0.0	0.0	0.0	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
	PV5	0.8	0.7	0.5	0.3	0.6	1.0	3.9	8.7	2.4	5.6	8.0	6.6	2.1	1.5	1.4	2.8	6.0	4.9	2.9	0.2	0.3	0.0	0.3	0.3
	NFB6	1.7	1.1	1.0	0.9	1.1	1.9	6.4	15.7	9.9	7.0	7.0	4.5	2.8	2.0	2.3	2.7	3.5	3.3	2.8	3.7	2.8	1.5	0.9	0.6
	NFB7	1.0	0.9	0.8	0.8	0.8	1.1	4.4	11.0	7.0	4.9	4.9	3.5	2.2	1.2	1.4	2.1	2.4	2.4	2.2	2.6	2.2	1.2	0.5	0.4
	NFB8	2.7	2.3	1.9	1.7	2.1	3.2	10.0	24.6	16.0	11.2	11.2	7.2	4.6	2.8	3.8	4.4	5.4	5.1	4.6	6.3	4.7	2.6	1.4	1.4
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	61.5	44.1	30.3	25.1	28.0	39.6	104.9	242.1	217.2	106.6	72.1	104.9	44.1	36.8	38.9	44.1	41.7	128.5	134.8	52.0	59.0	51.1	52.3	39.9
	HGV9	1.9	1.1	1.0	0.9	0.9	1.2	5.3	13.1	14.7	15.5	24.8	19.8	13.6	11.8	17.5	11.4	11.5	8.6	5.1	4.2	3.0	4.5	2.6	2.1
NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2036  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
	LGV3	0.4446	0.4446	0.4355	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4452	0.4440	0.4446	0.4452	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4414
	LGV4	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336
	LGV6	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920
	HGV7	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399
	HGV8	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2248	0.2248	0.2248	0.2248	0.2248	0.2248	0.2248	0.2250	0.2248	0.2248	0.2248	0.2248	0.2248	0.2248	0.2252	0.2248	0.2248	0.2248	0.2248	0.2248	0.2268	0.2221	0.2248	0.2216	0.2248
	PV5	0.2713	0.2712	0.2713	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2713	0.2712	0.2713	0.2713	0.2712
	NFB6	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378
	NFB7	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431
	NFB8	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333
	MC	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886
HGV9	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	
NFB9	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2041  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	210.2	146.3	104.8	81.4	82.7	105.0	278.0	581.8	740.7	541.0	431.3	451.0	171.6	186.4	179.6	194.8	216.8	269.3	365.7	313.4	249.2	224.1	207.5	149.3
	TAXI	11.3	7.9	5.9	4.5	4.8	6.1	16.5	35.3	26.0	22.0	25.4	22.9	6.9	9.8	8.4	12.0	12.4	11.0	11.3	9.3	10.7	8.8	11.0	7.9
	LGV3	0.1	0.1	0.0	0.0	0.0	0.1	0.9	3.1	3.1	3.9	3.1	3.2	1.5	1.5	1.5	2.4	2.2	2.2	1.2	0.4	0.3	0.1	0.1	0.1
	LGV4	42.5	34.2	29.0	25.5	29.7	43.5	131.9	313.3	319.5	402.8	343.3	354.7	197.3	217.7	221.5	259.3	244.6	247.1	159.9	94.3	52.1	41.9	45.8	40.5
	LGV6	10.6	8.5	7.0	6.3	7.1	10.7	33.1	78.0	79.4	100.6	85.0	88.0	49.3	54.1	55.3	64.1	60.6	61.1	39.7	23.8	12.8	10.6	11.0	10.2
	HGV7	3.8	2.9	2.4	1.7	2.4	3.3	10.2	23.6	25.6	27.1	44.7	35.5	28.4	23.0	34.5	21.7	22.3	17.7	11.0	8.4	6.4	9.2	5.0	4.0
	HGV8	7.5	5.8	4.5	4.0	4.5	6.7	19.8	46.9	51.5	53.6	87.6	69.9	55.9	45.1	67.2	42.8	43.2	34.7	21.3	16.3	12.0	19.6	10.2	8.3
	PLB	0.9	0.6	0.5	0.4	0.4	0.6	1.6	3.7	3.0	2.6	1.9	2.2	3.3	2.2	2.5	2.3	2.5	3.8	3.8	3.8	2.5	3.2	2.6	2.0
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.1	0.4	0.7	0.6	0.0	0.0	0.0	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
	PV5	0.8	0.7	0.5	0.5	0.6	1.0	3.8	9.0	2.5	6.0	8.3	6.9	2.1	1.6	1.5	2.8	6.6	5.1	2.9	0.3	0.3	0.0	0.3	0.3
	NFB6	1.8	1.3	1.0	0.9	1.1	2.1	6.7	17.0	10.8	7.4	7.4	4.8	3.1	1.9	2.4	2.8	3.7	3.5	3.1	4.1	3.1	1.9	1.0	0.7
	NFB7	1.0	0.9	0.8	0.7	0.9	1.1	4.6	11.6	7.4	5.4	5.3	3.5	2.2	1.4	1.8	2.0	2.4	2.4	2.2	2.7	2.3	1.2	0.5	0.4
	NFB8	3.1	2.5	2.0	1.8	2.2	3.4	10.7	26.0	17.4	11.8	11.8	7.6	4.8	3.1	4.0	4.6	6.0	5.6	4.9	6.3	4.9	2.7	1.8	1.5
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	65.2	46.5	35.3	27.3	30.5	39.6	112.7	259.7	231.6	116.3	75.5	112.7	48.8	40.1	40.1	48.8	46.2	133.0	142.1	54.1	66.2	54.1	55.7	42.0
	HGV9	1.7	1.0	0.7	0.7	0.7	1.1	4.9	12.1	13.5	13.8	22.7	18.1	14.2	11.9	17.7	11.5	11.5	8.7	5.1	4.0	2.9	4.7	2.3	2.1
	NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2041  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
	LGV3	0.4369	0.4369	0.4280	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4375	0.4363	0.4369	0.4375	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4338
	LGV4	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333
	LGV6	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002
	HGV7	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407
	HGV8	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1208	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2258	0.2258	0.2258	0.2258	0.2258	0.2258	0.2258	0.2258	0.2259	0.2258	0.2258	0.2258	0.2258	0.2258	0.2262	0.2258	0.2258	0.2258	0.2258	0.2258	0.2278	0.2230	0.2258	0.2225	0.2258
	PV5	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
	NFB6	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374
	NFB7	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431
	NFB8	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492
	MC	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823
HGV9	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	
NFB9	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")



Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2046  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	206.6	143.6	102.8	80.8	81.5	103.7	273.1	572.3	728.6	532.3	424.3	443.8	172.5	186.6	179.7	195.9	216.7	269.8	366.6	313.8	250.0	224.1	207.8	149.5
	TAXI	11.1	7.9	5.7	4.4	4.7	6.1	16.3	34.8	25.6	21.7	25.0	22.6	6.9	9.8	8.4	12.0	12.4	11.0	11.3	9.3	10.8	8.9	11.0	7.9
	LGV3	0.1	0.1	0.0	0.0	0.1	0.1	0.9	3.8	3.8	4.5	3.9	4.0	1.7	1.7	1.7	2.8	2.5	2.5	1.4	0.4	0.3	0.1	0.3	0.1
	LGV4	47.5	38.7	32.2	29.1	33.4	49.0	148.8	353.5	359.8	453.7	387.1	399.0	217.8	239.8	243.9	285.9	270.2	272.9	176.5	103.8	58.0	46.5	51.1	44.8
	LGV6	11.8	9.3	7.9	7.3	8.1	12.1	36.4	86.0	87.8	111.2	94.0	97.0	53.2	58.6	59.7	69.4	65.9	66.5	42.9	25.4	13.7	11.1	12.2	10.7
	HGV7	4.1	3.4	3.0	2.0	3.0	3.7	11.4	26.4	29.4	30.7	51.0	40.1	31.9	25.8	37.9	25.0	25.1	19.7	12.1	9.4	7.2	10.9	5.3	4.4
	HGV8	9.0	6.5	5.1	4.5	5.0	7.6	22.5	53.3	58.8	60.9	99.4	79.6	62.2	50.0	74.8	48.1	48.4	38.5	24.0	18.2	13.2	21.5	11.6	9.3
	PLB	0.9	0.6	0.5	0.4	0.4	0.6	1.6	3.7	3.0	2.6	1.9	2.2	3.3	2.2	2.5	2.3	2.5	3.8	3.8	3.8	2.5	3.2	2.6	2.0
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.1	0.4	0.7	0.6	0.0	0.0	0.0	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
	PV5	0.8	0.7	0.5	0.5	0.7	1.0	3.8	8.8	2.5	6.0	8.2	6.8	2.1	1.6	1.6	2.8	6.6	5.1	2.9	0.3	0.3	0.0	0.3	0.3
	NFB6	1.8	1.2	1.0	1.0	1.1	2.1	6.7	17.1	10.4	7.4	7.3	4.6	3.0	2.0	2.4	2.7	3.7	3.6	3.2	4.0	3.2	1.9	1.1	0.8
	NFB7	1.0	0.9	0.7	0.7	0.8	1.2	4.5	11.6	7.2	5.2	5.1	3.5	2.2	1.4	1.5	2.1	2.4	2.4	2.2	2.7	2.3	1.2	0.5	0.4
	NFB8	3.2	2.3	1.9	1.8	2.3	3.5	10.5	25.6	17.0	11.8	11.7	7.6	4.8	3.0	4.0	4.6	6.1	5.6	4.9	6.4	4.9	2.7	1.5	1.5
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	64.5	46.0	35.5	26.6	28.5	39.4	113.5	256.7	223.5	114.9	75.5	112.7	48.5	40.5	40.5	49.1	44.8	132.8	142.3	54.1	64.4	53.5	55.8	41.5
	HGV9	1.9	1.3	0.8	0.7	0.8	1.5	5.5	13.9	15.3	15.9	25.8	20.5	15.7	12.9	19.7	12.5	12.5	9.7	5.8	4.6	3.3	5.0	2.8	2.3
	NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2046  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	
	LGV3	0.4320	0.4320	0.4232	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4325	0.4314	0.4320	0.4326	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4289
	LGV4	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279
	LGV6	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906
	HGV7	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392
	HGV8	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1208	0.1211	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2248	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2250	0.2246	0.2246	0.2246	0.2246	0.2266	0.2219	0.2246	0.2214	0.2246
	PV5	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
	NFB6	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390
	NFB7	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432
	NFB8	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583
	MC	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853
	HGV9	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382
NFB9	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2048  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	208.0	144.9	103.9	81.1	82.0	104.5	276.0	577.9	735.4	536.6	428.2	448.1	163.7	177.8	170.5	185.7	206.2	256.7	348.4	298.1	237.4	213.3	197.1	141.5
	TAXI	11.1	7.9	5.8	4.5	4.8	6.1	16.4	35.1	25.8	21.8	25.2	22.7	6.5	9.3	8.0	11.4	11.8	10.5	10.8	8.8	10.2	8.4	10.5	7.6
	LGV3	0.1	0.1	0.1	0.0	0.1	0.1	1.0	3.8	4.0	4.8	4.3	4.4	1.7	2.6	2.6	3.0	2.6	2.6	1.6	0.5	0.4	0.3	0.3	0.1
	LGV4	50.4	41.1	34.1	31.1	35.3	52.1	157.4	374.5	381.6	480.7	409.9	422.6	235.2	259.2	263.9	309.0	292.3	294.5	190.6	112.1	62.4	50.5	54.9	48.2
	LGV6	12.3	10.1	8.5	7.7	8.7	12.7	38.7	90.8	92.4	116.8	99.0	102.2	57.0	63.1	64.2	74.9	70.6	71.8	46.1	27.5	14.8	12.2	13.1	11.3
	HGV7	4.4	3.6	2.9	2.4	2.9	3.7	12.1	27.9	31.2	32.5	53.3	42.3	34.1	27.9	40.7	26.4	27.0	21.0	12.7	10.5	7.5	11.7	6.1	4.9
	HGV8	9.2	7.0	5.5	4.7	5.2	8.4	23.7	56.4	61.8	64.4	104.9	83.7	66.8	54.0	80.6	51.5	51.9	41.2	25.8	19.7	14.8	23.4	12.2	9.8
	PLB	0.9	0.6	0.5	0.4	0.4	0.6	1.6	3.7	3.0	2.6	1.9	2.2	3.3	2.2	2.5	2.3	2.5	3.8	3.8	3.8	2.5	3.2	2.6	2.0
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.1	0.4	0.7	0.5	0.0	0.0	0.0	0.1	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
	PV5	0.8	0.6	0.5	0.5	0.6	1.0	3.8	8.9	2.5	6.1	8.3	6.9	1.6	1.5	1.4	2.7	5.9	4.8	2.9	0.2	0.3	0.0	0.3	0.3
	NFB6	1.8	1.2	1.0	0.9	1.0	2.2	6.7	17.2	10.6	7.4	7.3	4.7	2.8	2.0	2.4	2.7	3.7	3.4	2.9	3.8	2.9	1.4	0.9	0.7
	NFB7	1.0	0.9	0.8	0.7	0.9	1.1	4.5	11.6	7.3	5.3	5.3	3.5	2.2	1.2	1.4	2.1	2.4	2.4	2.2	2.6	2.2	1.2	0.5	0.4
	NFB8	3.1	2.4	2.0	1.8	2.2	3.5	10.5	25.8	17.4	11.8	11.7	7.6	4.5	2.9	3.9	4.3	5.4	5.1	4.6	6.3	4.6	2.6	1.4	1.4
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	64.3	45.6	36.7	27.3	28.8	40.0	113.8	257.8	227.5	115.0	75.3	113.7	44.9	38.0	38.0	45.4	43.3	129.2	135.8	51.0	58.8	50.9	51.7	41.5
	HGV9	2.1	1.3	1.0	0.8	0.9	1.6	5.8	14.6	16.0	16.5	27.0	21.5	16.9	13.8	21.0	13.2	13.3	10.8	6.7	4.9	3.8	5.2	2.9	2.4
	NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2048  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	
	LGV3	0.4361	0.4361	0.4272	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4366	0.4355	0.4361	0.4367	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4329	
	LGV4	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	
	LGV6	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	
	HGV7	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	
	HGV8	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1208	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	
	PV4	0.2242	0.2242	0.2242	0.2242	0.2242	0.2242	0.2242	0.2244	0.2242	0.2242	0.2242	0.2242	0.2242	0.2242	0.2246	0.2242	0.2242	0.2242	0.2242	0.2242	0.2262	0.2215	0.2242	0.2210	0.2242
	PV5	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	
	NFB6	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	
	NFB7	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	
	NFB8	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	
	FBDD	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	
	MC	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	
HGV9	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386		
NFB9	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439		

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

## **Annex 2**

Estimation of Trips  
(Pillar Point and Sam Shing Areas)

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2033  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	264.5	183.4	131.2	102.0	103.3	132.1	350.3	732.5	931.6	680.5	542.4	567.8	280.3	303.3	293.3	318.2	353.4	439.6	598.2	510.8	407.8	366.1	338.9	243.1
	TAXI	14.1	9.9	7.2	5.7	5.8	7.7	20.7	44.4	32.6	27.6	31.7	28.6	11.0	16.1	13.8	19.6	20.1	17.7	18.4	15.2	17.6	14.6	17.6	12.8
	LGV3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.1	4.1	5.5	4.2	4.2	5.7	6.2	6.2	7.0	6.9	6.9	4.6	2.4	1.3	1.0	1.3	0.8
	LGV4	55.8	45.5	37.7	34.0	38.7	57.0	172.6	409.4	416.7	525.0	447.5	461.3	541.2	597.9	608.8	712.2	672.7	679.1	439.7	259.1	145.1	116.4	127.4	110.3
	LGV6	14.6	11.9	9.6	8.8	10.0	15.2	46.2	110.0	112.1	140.6	119.9	123.7	144.8	160.1	162.9	190.8	180.3	182.0	117.8	69.4	38.5	31.0	33.8	29.5
	HGV7	4.5	3.3	3.1	2.3	3.1	4.2	11.7	28.1	31.2	32.5	53.6	42.9	71.8	58.4	86.9	55.7	56.0	44.7	27.1	21.5	15.7	24.8	13.5	10.6
	HGV8	11.3	9.1	6.9	6.2	6.9	10.3	30.1	69.7	77.0	80.7	132.0	104.4	176.8	143.7	213.1	137.2	138.0	109.8	67.3	53.2	39.7	60.3	33.0	26.6
	PLB	3.4	2.7	1.8	1.6	1.6	2.2	6.1	13.6	11.2	9.5	7.0	7.9	10.0	6.5	7.4	6.6	7.7	11.4	11.1	11.1	7.2	9.5	7.9	5.7
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4	0.1	1.0	1.2	1.0	0.1	0.1	0.1	0.5	1.1	1.0	0.6	0.0	0.0	0.0	0.0	0.0
	PV5	1.2	1.2	1.2	1.2	1.2	1.4	4.9	11.9	3.3	7.4	10.7	8.7	3.4	2.9	2.7	5.1	10.8	8.5	5.5	0.6	0.7	0.0	1.0	0.9
	NFB6	2.5	1.8	1.7	1.7	1.7	2.8	8.6	20.8	13.5	9.6	9.5	6.2	5.2	3.2	4.2	5.1	6.3	5.9	5.5	6.8	5.5	3.0	1.9	1.8
	NFB7	1.7	1.6	1.2	1.1	1.3	1.9	6.3	15.8	10.2	7.5	7.3	4.8	3.9	2.4	3.1	3.7	4.8	4.6	3.9	5.2	3.9	2.1	1.4	1.1
	NFB8	3.6	3.1	2.8	2.5	2.9	4.4	12.8	31.8	20.6	14.4	14.3	9.6	8.1	5.2	6.7	7.6	9.3	9.0	8.1	10.3	8.1	4.8	2.9	2.7
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	82.9	58.4	46.7	34.1	34.8	51.2	142.5	323.9	283.8	147.0	96.3	140.5	76.6	67.2	67.8	76.6	75.5	213.6	229.3	94.7	107.2	90.7	96.9	73.5
	HGV9	1.8	1.3	1.0	1.0	1.0	1.7	5.4	12.9	14.0	14.6	24.5	19.2	32.8	26.4	39.7	25.3	25.6	20.2	12.1	9.4	6.8	10.9	5.6	4.8
	NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2033  
 Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	0.3865	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
	LGV3	0.4338	0.4338	0.4249	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4343	0.4332	0.4338	0.4344	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4338	0.4307
	LGV4	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273	0.4273
	LGV6	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885	0.2885
	HGV7	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388
	HGV8	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389	0.3389
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1209	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2337	0.2337	0.2337	0.2337	0.2337	0.2337	0.2337	0.2337	0.2339	0.2337	0.2337	0.2337	0.2337	0.2337	0.2341	0.2337	0.2337	0.2337	0.2337	0.2337	0.2358	0.2309	0.2337	0.2304	0.2337
	PV5	0.2707	0.2706	0.2707	0.2707	0.2707	0.2706	0.2706	0.2706	0.2706	0.2707	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2706	0.2707	0.2707	0.2707	0.2707	0.2707
	NFB6	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403	0.2403
	NFB7	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433	0.2433
	NFB8	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423	0.3423
	MC	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847	2.6847
HGV9	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	0.3381	
NFB9	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	0.2446	

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2036  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	313.0	216.8	155.4	121.1	121.8	156.2	413.8	866.6	1102.7	805.7	641.9	671.4	382.3	413.2	399.0	432.8	480.7	598.6	813.5	695.1	554.2	497.6	461.3	330.2	
	TAXI	16.7	11.7	8.5	6.8	6.9	9.0	24.5	52.4	38.5	32.7	37.6	33.8	15.1	21.8	18.6	26.5	27.3	24.0	24.9	20.6	23.9	19.7	24.0	17.4	
	LGV3	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.4	4.7	6.1	5.3	5.3	6.3	6.6	6.6	7.7	7.4	7.4	5.2	2.6	1.5	1.3	1.3	1.1	
	LGV4	62.8	51.0	42.0	38.1	44.2	64.7	194.5	461.3	470.4	593.1	505.0	520.0	577.9	638.8	650.3	760.3	718.5	725.4	469.6	276.4	154.3	124.4	135.1	118.1	
	LGV6	16.3	13.5	11.4	9.9	11.7	16.8	52.1	123.6	125.6	158.6	134.7	139.1	154.8	170.9	173.7	203.1	191.9	194.1	125.4	73.8	41.2	32.9	36.3	31.6	
	HGV7	5.2	4.1	3.2	2.8	3.2	4.5	13.5	31.7	35.0	36.8	59.6	47.5	76.2	61.4	91.9	58.4	58.9	47.0	29.1	22.4	16.8	26.0	13.8	11.6	
	HGV8	13.0	10.0	7.6	6.7	7.6	11.0	33.0	78.0	85.9	90.1	146.5	116.4	186.5	151.2	224.6	144.0	145.3	115.3	70.6	56.0	41.4	63.4	35.1	28.3	
	PLB	3.4	2.7	1.8	1.6	1.6	2.2	6.1	13.6	11.2	9.5	7.0	7.9	10.0	6.5	7.4	6.6	7.7	11.4	11.1	11.1	7.2	9.5	7.9	5.7	
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.7	0.3	1.1	1.6	1.2	0.5	0.4	0.4	0.8	1.7	1.5	0.8	0.0	0.0	0.0	0.0	0.0	
	PV5	1.4	1.3	1.2	1.2	1.3	2.0	5.8	14.1	4.0	8.9	12.7	10.3	4.9	4.0	3.7	6.8	14.6	11.8	7.2	0.9	0.9	0.0	1.1	1.1	
	NFB6	2.8	2.2	1.9	1.8	1.9	3.2	9.9	24.3	16.0	11.3	11.1	7.3	7.3	4.5	5.6	6.8	8.3	8.0	7.4	9.2	7.4	4.2	2.5	2.4	
	NFB7	1.9	1.8	1.8	1.5	1.8	2.4	7.7	18.7	12.0	8.7	8.6	5.7	5.5	3.4	4.6	5.1	6.3	6.1	5.6	6.9	5.6	2.9	1.8	1.8	
	NFB8	4.3	3.6	3.1	2.9	3.3	5.1	15.4	37.9	24.6	17.3	17.3	11.4	11.0	7.0	8.8	10.3	13.1	12.7	11.0	14.2	11.2	6.4	4.0	3.6	
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	98.2	69.9	54.5	42.5	43.7	60.6	170.0	378.5	335.7	172.8	115.4	170.0	108.7	90.2	92.7	108.8	104.4	295.8	314.7	126.3	145.7	124.3	129.3	96.9	
HGV9	2.2	1.7	1.0	1.0	1.0	1.8	6.3	14.2	15.7	16.4	27.4	21.3	35.0	28.0	41.9	26.6	26.9	21.4	13.0	9.9	7.1	11.6	5.9	5.1		
NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		



Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2036  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	0.3872	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	
	LGV3	0.4446	0.4446	0.4355	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4452	0.4440	0.4446	0.4452	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4446	0.4414
	LGV4	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336	0.4336
	LGV6	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920	0.2920
	HGV7	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399
	HGV8	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393	0.3393
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1209	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2248	0.2248	0.2248	0.2248	0.2248	0.2248	0.2248	0.2248	0.2250	0.2248	0.2248	0.2248	0.2248	0.2248	0.2252	0.2248	0.2248	0.2248	0.2248	0.2248	0.2268	0.2221	0.2248	0.2216	0.2248
	PV5	0.2713	0.2712	0.2713	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2712	0.2713	0.2712	0.2713	0.2713	0.2712
	NFB6	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378	0.2378
	NFB7	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431
	NFB8	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441	0.2441
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333	0.3333
	MC	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886	2.6886
HGV9	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	0.3399	
NFB9	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	0.2437	

Note:  
[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2041  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	436.6	302.6	217.2	168.5	170.0	218.7	578.4	1210.4	1540.1	1125.4	896.3	937.2	530.0	573.2	553.3	600.9	666.6	830.2	1128.8	964.2	768.7	690.2	639.6	458.2
	TAXI	23.4	16.5	12.0	9.4	9.7	12.8	34.4	73.4	53.9	45.9	52.6	47.4	21.0	30.5	25.8	37.0	38.1	33.5	34.8	28.7	33.3	27.5	33.4	24.2
	LGV3	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.3	5.5	6.6	5.8	6.0	6.7	7.5	7.7	8.8	8.2	8.6	5.9	3.1	1.5	1.5	1.5	1.5
	LGV4	69.4	56.9	47.5	42.5	48.9	71.5	216.0	512.8	522.7	657.7	560.3	578.0	669.6	739.5	752.5	880.4	831.6	840.0	543.9	320.3	179.1	143.4	156.9	137.0
	LGV6	18.9	15.3	12.9	11.2	13.2	19.4	59.2	140.9	143.2	181.1	154.2	159.0	184.2	203.5	207.0	242.2	228.3	230.7	149.7	88.4	49.1	39.3	42.8	37.5
	HGV7	5.5	4.5	3.7	2.9	3.3	5.1	14.8	35.2	38.9	41.2	66.9	52.9	88.1	71.3	106.8	68.1	68.5	54.9	33.7	26.4	19.5	30.0	16.2	13.3
	HGV8	14.5	10.9	8.9	7.4	8.5	12.6	37.8	86.6	95.5	99.9	163.2	130.3	216.4	175.2	260.2	167.1	168.6	134.0	82.5	64.9	47.9	74.1	40.3	32.8
	PLB	3.4	2.7	1.8	1.6	1.6	2.2	6.1	13.6	11.2	9.5	7.0	7.9	10.0	6.5	7.4	6.6	7.7	11.4	11.1	11.1	7.2	9.5	7.9	5.7
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.5	0.5	1.5	2.2	1.6	0.7	0.6	0.6	0.9	2.4	2.0	1.2	0.0	0.0	0.0	0.0	0.0
	PV5	2.0	1.8	1.5	1.3	1.8	2.6	7.7	19.4	5.5	12.7	17.5	14.4	6.5	5.7	5.1	9.5	20.2	16.7	9.9	1.1	1.5	0.2	1.9	1.9
	NFB6	4.2	3.3	2.7	2.6	3.0	4.6	14.3	34.1	22.3	15.8	15.7	10.7	9.9	6.2	8.1	9.5	11.9	11.2	10.3	12.7	10.3	5.8	3.5	3.3
	NFB7	2.8	2.7	2.0	1.8	2.4	3.5	10.9	26.1	16.8	12.1	12.0	7.9	7.6	5.0	6.1	7.0	8.8	8.7	7.7	9.7	8.0	4.3	2.7	2.3
	NFB8	6.2	5.2	4.5	4.2	4.8	6.9	21.7	52.9	34.1	24.5	24.2	16.0	15.3	9.7	12.7	14.4	18.2	17.3	15.7	19.8	15.9	8.9	5.5	5.2
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	136.8	101.1	71.0	58.4	64.6	85.7	240.2	537.8	472.8	246.2	163.7	239.1	152.0	126.8	127.8	152.9	143.5	409.5	438.6	181.8	204.0	177.7	185.3	139.6
	HGV9	2.5	1.9	1.3	1.3	1.3	2.2	6.8	15.8	17.4	18.0	30.3	23.7	40.1	32.6	48.4	31.0	31.6	25.1	15.2	12.0	8.4	13.6	7.1	5.8
	NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2041  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
	LGV3	0.4369	0.4369	0.4280	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4375	0.4363	0.4369	0.4375	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4369	0.4338
	LGV4	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333	0.4333
	LGV6	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002	0.3002
	HGV7	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407	0.3407
	HGV8	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397	0.3397
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1208	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2258	0.2258	0.2258	0.2258	0.2258	0.2258	0.2258	0.2259	0.2258	0.2258	0.2258	0.2258	0.2258	0.2258	0.2262	0.2258	0.2258	0.2258	0.2258	0.2278	0.2230	0.2258	0.2225	0.2258	0.2258
	PV5	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
	NFB6	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374	0.2374
	NFB7	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431	0.2431
	NFB8	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492	0.3492
	MC	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823	2.6823
HGV9	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	0.3398	
NFB9	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	0.2436	

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2046  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	495.9	343.0	246.4	191.1	193.2	247.9	655.5	1373.2	1746.7	1275.7	1017.1	1062.9	578.5	625.7	603.7	655.7	727.4	905.9	1231.2	1052.1	838.6	753.0	697.7	500.1	
	TAXI	26.6	18.6	13.6	10.7	10.9	14.4	38.9	83.3	61.2	52.0	59.7	53.7	22.9	33.1	28.2	40.3	41.5	36.5	38.0	31.3	36.3	30.0	36.5	26.5	
	LGV3	0.0	0.0	0.0	0.0	0.0	0.3	1.9	6.0	6.1	7.2	6.5	6.5	7.4	8.2	8.8	9.7	9.4	9.4	6.5	3.6	1.6	1.5	1.5	1.4	
	LGV4	76.8	62.9	52.2	47.5	54.7	79.4	240.7	569.0	579.7	730.0	622.5	641.6	741.2	818.3	833.7	975.4	920.8	929.9	602.5	355.5	197.6	158.7	173.5	152.0	
	LGV6	20.7	16.8	13.8	12.3	14.2	21.0	64.4	153.2	156.3	196.4	168.0	173.0	199.4	220.6	224.4	262.8	248.5	250.8	162.4	95.8	53.4	42.9	46.4	40.7	
	HGV7	6.7	5.1	4.0	3.4	4.0	5.2	16.6	39.5	43.5	45.8	74.8	59.8	98.8	79.8	119.0	76.3	76.6	60.8	37.6	29.5	21.4	33.6	18.1	14.7	
	HGV8	15.9	12.5	9.7	8.8	9.6	14.1	41.5	97.3	107.1	112.5	182.8	146.0	241.8	196.3	291.3	186.8	188.4	149.5	92.4	72.5	53.6	82.9	45.2	36.7	
	PLB	3.4	2.7	1.8	1.6	1.6	2.2	6.1	13.6	11.2	9.5	7.0	7.9	10.0	6.5	7.4	6.6	7.7	11.4	11.1	11.1	7.2	9.5	7.9	5.7	
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.5	0.7	1.7	2.5	1.9	0.8	0.6	0.6	1.3	2.5	2.1	1.5	0.0	0.0	0.0	0.0	0.0	
	PV5	2.4	2.0	1.8	1.8	1.8	2.9	9.0	21.9	6.1	14.2	20.1	16.6	7.4	5.9	5.6	10.5	22.5	17.9	10.8	1.6	1.7	0.4	1.9	1.9	
	NFB6	4.8	4.0	3.1	3.0	3.3	5.1	16.0	39.1	25.5	18.5	18.1	12.0	11.0	6.9	8.8	10.5	13.1	12.3	11.1	13.9	11.1	6.3	3.9	3.5	
	NFB7	3.2	2.8	2.4	2.2	2.7	4.1	12.4	29.8	19.4	14.0	14.0	8.8	8.2	5.2	6.7	7.8	9.9	9.6	8.5	10.7	8.5	5.1	3.0	2.7	
	NFB8	7.0	5.8	5.1	4.7	5.2	8.0	24.9	59.8	38.5	27.7	27.6	18.3	16.9	10.8	13.7	16.1	19.7	19.2	17.5	21.6	17.8	9.9	6.0	5.4	
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	155.4	112.4	82.3	67.4	70.6	94.5	275.5	607.6	539.5	279.2	184.2	272.3	167.9	138.6	142.6	167.9	156.6	445.9	477.7	199.5	227.1	197.8	202.9	151.1	
	HGV9	2.9	2.2	1.3	1.3	1.3	2.5	7.4	17.8	19.5	20.5	33.7	27.2	44.9	36.7	53.9	34.9	35.1	27.9	17.0	13.3	9.7	15.3	8.1	6.4	
	NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2046  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	0.3853	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
	LGV3	0.4320	0.4320	0.4232	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4325	0.4314	0.4320	0.4326	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4320	0.4289
	LGV4	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279	0.4279
	LGV6	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906	0.2906
	HGV7	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392	0.3392
	HGV8	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388	0.3388
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1208	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2248	0.2246	0.2246	0.2246	0.2246	0.2246	0.2246	0.2250	0.2246	0.2246	0.2246	0.2246	0.2266	0.2219	0.2246	0.2214	0.2246
	PV5	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659	0.2659
	NFB6	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390	0.2390
	NFB7	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432
	NFB8	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583	0.3583
	MC	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853	2.6853
	HGV9	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382	0.3382
	NFB9	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442	0.2442

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")

Project: Tuen Mun Bypass - Investigation  
 Scenario: Year 2048  
 Title: Trip for Composite Emission Factors Calculation

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
All Fuels	PC	546.8	379.2	271.9	211.7	213.3	273.3	723.5	1514.7	1927.6	1408.0	1122.6	1174.1	671.1	726.3	701.0	761.3	845.0	1051.3	1429.5	1221.5	973.8	874.5	810.7	580.7
	TAXI	29.4	20.5	14.9	11.8	12.2	15.8	43.0	91.8	67.5	57.3	65.9	59.2	26.6	38.4	32.7	46.8	48.2	42.4	44.1	36.3	42.1	34.7	42.3	30.7
	LGV3	0.7	0.0	0.0	0.0	0.0	0.7	2.8	6.7	6.7	8.5	6.8	7.0	8.2	9.3	9.3	11.1	10.0	10.3	6.6	3.7	1.6	1.5	1.5	1.5
	LGV4	88.2	72.2	60.0	53.8	62.3	91.2	274.4	651.4	663.9	836.4	712.3	734.5	794.5	877.7	893.8	1045.3	986.5	996.7	646.1	380.5	212.5	170.4	186.2	162.3
	LGV6	23.8	18.8	15.6	14.0	16.6	24.6	73.7	174.9	178.0	224.1	190.8	196.7	213.1	235.3	239.5	280.4	264.8	267.7	173.2	102.1	56.6	45.8	49.6	43.4
	HGV7	7.3	5.3	4.3	3.9	4.1	6.3	19.4	45.1	49.6	52.3	85.1	67.5	105.5	85.3	127.0	81.1	81.9	65.1	40.2	31.8	23.0	36.0	19.3	15.5
	HGV8	18.1	14.3	11.4	9.7	11.3	15.7	47.5	110.8	122.5	128.1	208.6	166.2	258.8	209.7	311.8	200.3	201.8	160.1	99.1	77.8	57.5	88.7	48.1	38.9
	PLB	3.4	2.7	1.8	1.6	1.6	2.2	6.1	13.6	11.2	9.5	7.0	7.9	10.0	6.5	7.4	6.6	7.7	11.4	11.1	11.1	7.2	9.5	7.9	5.7
	PV4	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.8	0.8	1.8	2.5	2.5	0.9	0.8	0.8	1.5	3.2	2.5	1.5	0.0	0.0	0.0	0.0	0.0
	PV5	2.9	2.1	1.8	1.8	2.0	3.0	9.9	24.2	6.6	15.9	21.9	18.2	8.4	7.0	6.4	11.6	25.6	21.0	13.0	1.7	1.8	0.5	2.2	2.0
	NFB6	5.0	4.2	3.5	3.3	3.8	5.6	17.9	43.1	27.8	19.9	19.6	13.1	12.8	8.3	10.4	11.8	15.0	14.4	13.2	16.3	13.2	7.4	4.7	4.2
	NFB7	3.9	3.0	2.7	2.7	2.8	4.3	13.6	33.0	21.2	15.7	15.7	10.0	9.6	6.0	7.9	8.8	11.8	10.8	10.1	12.6	10.1	5.7	3.5	3.1
	NFB8	7.8	6.6	5.5	5.1	5.8	8.7	27.4	65.9	43.0	30.5	30.3	20.1	19.8	12.7	15.8	18.7	22.8	22.0	20.0	25.0	20.4	11.9	6.9	6.4
	FBSD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FBDD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MC	173.6	125.3	92.6	76.2	81.0	107.9	301.5	671.3	590.8	305.2	202.7	298.9	195.8	162.7	163.7	196.9	183.2	515.3	557.0	231.2	258.7	228.0	235.3	173.9
	HGV9	3.5	2.4	2.1	1.3	1.8	2.9	8.9	20.4	22.3	23.5	38.9	30.9	47.8	38.7	57.9	36.9	37.2	29.6	18.0	14.1	10.3	16.3	8.7	7.2
NFB9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Project: Tuen Mun Bypass - Investigation  
Scenario: Year 2048  
Title: Trip to VKT Ratio

		Hour01	Hour02	Hour03	Hour04	Hour05	Hour06	Hour07	Hour08	Hour09	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
All Fuels	PC	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	0.3857	
	TAXI	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
	LGV3	0.4361	0.4361	0.4272	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4366	0.4355	0.4361	0.4367	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4361	0.4329
	LGV4	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291	0.4291
	LGV6	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899	0.2899
	HGV7	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391	0.3391
	HGV8	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390	0.3390
	PLB	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1208	0.1211	0.1211	0.1209	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	PV4	0.2242	0.2242	0.2242	0.2242	0.2242	0.2242	0.2242	0.2242	0.2244	0.2242	0.2242	0.2242	0.2242	0.2242	0.2242	0.2246	0.2242	0.2242	0.2242	0.2242	0.2262	0.2215	0.2242	0.2210	0.2242
	PV5	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661	0.2661
	NFB6	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382	0.2382
	NFB7	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432	0.2432
	NFB8	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440	0.2440
	FBSD	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352	0.4352
	FBDD	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569	0.3569
	MC	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852	2.6852
	HGV9	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386	0.3386
	NFB9	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439	0.2439

Note:

[1] VKT multiplied by 0.137 to represent VKT for minor roads (referenced from "Annual Traffic Census 2021")