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Sent: 24 May, 2021 6:00 PM

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Subject: [EXTERNAL] RE: Re: CE 8/2018 (HY) - Trunk Road T4_Cold Start Traffic Survey Dec 2020

Dear Kelvin,

I have no comments on the methodology in deriving the ***in and out traffic pattern of GMB / franchised bus at PTIs / termini.***

Regards

Stephen S K CHIU, SE/ST1, TE/NTE, TD

Tel : 2399 2409

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminus, Heavy Goods Vehicle and Coach Parking Sites (Construction Phase – Year 2023)

Bus Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Szinitt	Max. Hourly Emission Rate					
													NO	NO ₂	RSP	FSP	TSP	
	ID	(m)	(m)	(mAG)	(K)	(m/s)	(m)	(m)	(m)	(degree)	(m)	(g/s) or (g/m ² /s)						
Emission inside Terminus																		
Sha Tin Station Terminus	PTI101	AREA	837364.0	827105.9	8.00	-	-	-	47.1	85.3	35.0	-			1.858E-07	1.720E-07	1.858E-07	
	PTI201	AREA	837364.0	827105.9	8.00	-	-	-	47.1	85.3	35.0	-			3.962E-08	3.685E-08	3.962E-08	
Sha Tin Central Terminus	PTI401	AREA	837377.9	826975.5	0.25	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI402	AREA	837377.9	826975.5	0.75	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI403	AREA	837377.9	826975.5	1.25	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI404	AREA	837377.9	826975.5	1.75	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI405	AREA	837377.9	826975.5	2.25	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI406	AREA	837377.9	826975.5	2.75	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI407	AREA	837377.9	826975.5	3.25	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI408	AREA	837377.9	826975.5	3.75	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI409	AREA	837377.9	826975.5	4.25	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI410	AREA	837377.9	826975.5	4.75	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI411	AREA	837377.9	826975.5	5.25	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI412	AREA	837377.9	826975.5	5.75	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI413	AREA	837377.9	826975.5	6.25	-	-	-	2.0	113.6	39.6	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI414	AREA	837416.6	826935.5	0.25	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI415	AREA	837416.6	826935.5	0.75	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI416	AREA	837416.6	826935.5	1.25	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI417	AREA	837416.6	826935.5	1.75	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI418	AREA	837416.6	826935.5	2.25	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI419	AREA	837416.6	826935.5	2.75	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI420	AREA	837416.6	826935.5	3.25	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI421	AREA	837416.6	826935.5	3.75	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI422	AREA	837416.6	826935.5	4.25	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI423	AREA	837416.6	826935.5	4.75	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
	PTI424	AREA	837416.6	826935.5	5.25	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07	
PTI425	AREA	837416.6	826935.5	5.75	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07		
PTI426	AREA	837416.6	826935.5	6.25	-	-	-	2.0	129.2	41.4	0.25			4.861E-07	4.492E-07	4.861E-07		
Sha Tin Wai Terminus	PTI501	AREA	838249.4	826777.0	0.00	-	-	-	25.7	63.0	42.1	-			4.878E-08	4.572E-08	4.878E-08	
Pok Hong Terminus	PTI601	AREA	838123.9	826401.0	0.00	-	-	-	2.7	119.7	52.3	-			7.679E-07	7.127E-07	7.679E-07	
Shui Chuen O Terminus	PTI701	AREA	838388.3	826147.8	0.00	-	-	-	42.1	77.7	54.9	-			1.369E-07	1.271E-07	1.369E-07	
	PTI801	AREA	838388.3	826147.8	0.00	-	-	-	42.1	77.7	54.9	-			4.057E-09	3.775E-09	4.057E-09	
Chun Shek Terminus	PTI1001	AREA	837261.5	825957.5	0.00	-	-	-	25.9	115.8	59.5	-			7.384E-08	6.890E-08	7.384E-08	
Sun Tin Wai Terminus	PTI1101	AREA	837199.9	825724.7	0.00	-	-	-	20.0	46.4	31.0	-			1.575E-07	1.477E-07	1.575E-07	
Mei Lam Terminus	PTI1201	AREA	836058.5	826512.8	0.00	-	-	-	19.1	47.0	69.1	-			2.080E-07	1.950E-07	2.080E-07	
Tai Wai Station Terminus	PTI1301	POINTHOR	836422.4	825900.6	8.00	0	3.5	3.9	-	-	-	-			1.500E-03	1.384E-03	1.500E-03	
Tai Wai Station North Terminus	PTI1601	AREA	836414.2	826019.4	0.00	-	-	-	3.1	32.1	52.9	-			3.513E-07	3.367E-07	3.513E-07	
Sunking Industrial Building Carpark	PTI1801	AREA	836888.9	826448.5	5.00	-	-	-	2.0	5.3	71.8	-			2.721E-06	2.503E-06	2.721E-06	
	PTI1802	AREA	836888.9	826448.5	7.00	-	-	-	2.0	5.3	71.8	-			2.721E-06	2.503E-06	2.721E-06	
	PTI1803	AREA	836888.9	826448.5	9.00	-	-	-	2.0	5.3	71.8	-			2.721E-06	2.503E-06	2.721E-06	
Jat Min Estate Carpark	PTI1901	AREAPOLY	837843.5	826397.4	0.00	-	-	-	-	-	-	-	-			4.680E-08	4.310E-08	4.680E-08
			837827.4	826390.8														
			837815.1	826420.0														
			837819.5	826421.8														
			837818.5	826424.3														
			837791.3	826413.3														
			837778.0	826443.9														
			837817.2	826460.2														
Man Lam Road Carpark	PTI2001	AREAPOLY	837080.7	826530.1	0.00	-	-	-	-	-	-	-	-			9.084E-09	8.359E-09	9.084E-09
			837091.7	826506.6														
			837139.7	826528.9														
			837165.3	826516.9														
			837178.7	826507.1														
			837198.1	826516.0														
			837200.8	826522.4														
			837183.9	826554.6														
			837176.6	826557.8														
			837118.8	826540.8														
			837117.6	826544.6														
			837107.0	826541.5														
837108.1	826537.7																	

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminus, Heavy Goods Vehicle and Coach Parking Sites (Construction Phase – Year 2023)

Bus Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Szinit	Max. Hourly Emission Rate						
													NO	NO ₂	RSP	FSP	TSP		
	ID	(m)	(m)	(mAG)	(K)	(m/s)	(m)	(m)	(degree)	(m)	(g/s) or (g/m ² /s)								
Shing Chuen Industrial Building Carpark	PTI2101	AREAPOLY	836713.9	826275.0	5.00														
			836733.8	826287.7															
			836724.4	826302.8															
			836708.7	826293.1															
			836707.6	826294.8															
			836725.1	826305.6															
			836736.6	826287.1															
	836715.0	826273.3																	
	PTI2102	AREAPOLY	836713.9	826275.0	7.00	-	-	-	-	-	-	-							
			836733.8	826287.7															
			836724.4	826302.8															
			836708.7	826293.1															
			836707.6	826294.8															
			836725.1	826305.6															
			836736.6	826287.1															
	836715.0	826273.3																	
	PTI2103	AREAPOLY	836713.9	826275.0	9.00														
			836733.8	826287.7															
			836724.4	826302.8															
			836708.7	826293.1															
			836707.6	826294.8															
			836725.1	826305.6															
			836736.6	826287.1															
	836715.0	826273.3																	
	Hilton Plaza Carpark	PTI2201	AREA	837309.5	826641.7	0.00	-	-	-	2.0	9.3	75.6	-			3.767E-08	3.466E-08	3.767E-08	
		PTI2202	AREA	837309.5	826641.7	2.00	-	-	-	2.0	9.3	75.6	-			3.767E-08	3.466E-08	3.767E-08	
		PTI2203	AREA	837309.5	826641.7	4.00	-	-	-	2.0	9.3	75.6	-			3.767E-08	3.466E-08	3.767E-08	
PTI2204		AREA	837268.2	826711.9	0.00	-	-	-	30.7	2.0	75.8	-			3.767E-08	3.466E-08	3.767E-08		
PTI2205		AREA	837268.2	826711.9	2.00	-	-	-	30.7	2.0	75.8	-			3.767E-08	3.466E-08	3.767E-08		
PTI2206		AREA	837268.2	826711.9	4.00	-	-	-	30.7	2.0	75.8	-			3.767E-08	3.466E-08	3.767E-08		

Calculation of Idling Emission Factor

PLB (Diesel)

NO/NO₂ Ratio ^[1] = From EMFAC

	Population	Idling Emission Factor				Mass Factor	AC Factor ^[7]	Average Idling Emission Factor (g/min)									
		Cold Idling		Hot Idling				Cold Idling				Hot Idling					
		NOx (g/s) ^{[2][3]}	PM (g/hr) ^[4]	NOx (g/hr) ^[5]	PM (g/hr) ^[6]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]		
Euro VI	52%		0.02		0.02	-	1.3	6.001E-02				4.891E-04	5.212E-02				4.891E-04
Euro V	47%		0.02		0.02												
Euro IV	1.8%		0.16		0.16												

PLB (LPG)

NO/NO₂ Ratio ^[1] = From EMFAC

	Population	Idling Emission Factor				Mass Factor	AC Factor ^[7]	Average Idling Emission Factor (g/min)									
		Cold Idling		Hot Idling				Cold Idling				Hot Idling					
		NOx (g/s) ^[2]	PM (g/hr) ^[4]	NOx (g/hr) ^[9]	PM (g/hr) ^[10]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]		
Euro V	60%		0.02		0.02	-	1.3	3.187E-01				1.307E-03	4.143E-01				1.307E-03
Euro IV	14%		0.16		0.16												
Euro III	27%		0.10		0.10												

FBDD

NO/NO₂ Ratio ^[1] = From EMFAC

	Population	Idling Emission Factor				Mass Factor ^[14]	AC Factor ^[7]	Average Idling Emission Factor (g/min)									
		Cold Idling		Hot Idling				Cold Idling				Hot Idling					
		NOx (g/s) ^{[2][11]}	PM (g/hr) ^[4]	NOx (g/hr) ^[12]	PM (g/hr) ^[13]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]		
Euro VI	23%		0.01		0.01	1.2	1.3	7.241E+00				3.226E-03	2.699E-01				3.226E-03
Euro V	71%		0.10		0.10												
Euro IV	2.8%		0.20		0.20												
Euro III	4%		1.29		1.29												

NFB6

NO/NO₂ Ratio ^[1] = From EMFAC

	Population	Idling Emission Factor				Mass Factor ^[14]	AC Factor ^[7]	Average Emission Factor (g/min)									
		Cold Idling		Hot Idling (HGV)				Cold Idling				Hot Idling					
		NOx (g/s) ^{[2][15]}	PM (g/hr) ^[4]	NOx (g/hr) ^[12]	PM (g/hr) ^[13]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]		
Euro VI	25%		0.01		0.01	0.9	1.3	2.213E+00				1.730E-03	1.704E-01				1.730E-03
Euro V	64%		0.10		0.10												
Euro IV	11.3%		0.20		0.20												

HGV8

NO/NO₂ Ratio ^[1] = From EMFAC

	Population	Idling Emission Factor				Mass Factor ^[14]	AC Factor ^[7]	Average Emission Factor (g/min)									
		Cold Idling		Hot Idling (HGV)				Cold Idling				Hot Idling					
		NOx (g/s) ^[2]	PM (g/hr) ^[4]	NOx (g/hr) ^[12]	PM (g/hr) ^[13]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]		
Euro VI	39%		0.01		0.01	1.0	1.3	8.776E-01				1.630E-03	1.606E-01				1.630E-03
Euro V	51%		0.10		0.10												
Euro IV	10.2%		0.20		0.20												

Remarks

- [1] NO/NO₂ ratio, at the respective running speed, was calculated based on emission factors extracted from EMFAC-HK.
- [2] NOx cold idling emission factors was referenced to *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
- [3] Due to the lack of information, NOx cold idling emission factor for Euro IV to Euro V PLB(Diesel) was referenced to the corresponding hot idling emission factor.
- [4] Due to the lack of information, RSP cold idling emission factor was referenced to the corresponding hot idling emission factor.
- [5] Reference made to Table 42 of *Road Tunnels: Vehicle Emissions and Air Demand for Ventilation (VEADV) published by World Road Association (VEADV)*.
- [6] Reference made to Table 43 of *VEADV*.
- [7] Reference made to the approved *Liantang / Heung Yuen Wai Boundary Control Point and Associated Works EIA Report*.
- [8] All TSP (PM) emissions were assumed for RSP and FSP as a conservative approach.
- [9] Due to the lack of information, NOx hot idling emission factor for PLB(LPG) was referenced to the corresponding cold idling emission factor from *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
- [10] Due to the lack of information, RSP hot idling emission factor for PLB(LPG) was referenced to hot idling emission factor for PLB(Diesel).
- [11] Due to the lack of information, NOx cold idling emission factor for Euro III FBDD was referenced to that of Euro III FBDD DPF & SCR (Retrofitted Diesel).
- [12] Reference made to Table 45 of *VEADV*.
- [13] Reference made to Table 46 of *VEADV*.
- [14] Reference made to Table 27 of *VEADV*.
- [15] Due to the lack of information, NOx cold idling emission factor for Euro IV NFB6 was referenced to that of Euro IV NFB7, while NOx cold idling emission factor for Euro V NFB6 was referenced to that of Euro V NFB8.

Sha Tin Station Terminus (Bus)

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	210	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	12			3.382E-01	3.112E-01	3.382E-01			8.523E-01	7.842E-01	8.523E-01
0100 - 0200	3			3.382E-01	3.112E-01	3.382E-01			2.131E-01	1.961E-01	2.131E-01
0200 - 0300	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	1			3.382E-01	3.112E-01	3.382E-01			7.102E-02	6.535E-02	7.102E-02
0500 - 0600	9			3.382E-01	3.112E-01	3.382E-01			6.392E-01	5.882E-01	6.392E-01
0600 - 0700	28			3.382E-01	3.112E-01	3.382E-01			1.989E+00	1.830E+00	1.989E+00
0700 - 0800	35			3.382E-01	3.112E-01	3.382E-01			2.486E+00	2.287E+00	2.486E+00
0800 - 0900	30			3.382E-01	3.112E-01	3.382E-01			2.131E+00	1.961E+00	2.131E+00
0900 - 1000	26			3.382E-01	3.112E-01	3.382E-01			1.847E+00	1.699E+00	1.847E+00
1000 - 1100	18			3.382E-01	3.112E-01	3.382E-01			1.278E+00	1.176E+00	1.278E+00
1100 - 1200	15			3.382E-01	3.112E-01	3.382E-01			1.065E+00	9.803E-01	1.065E+00
1200 - 1300	22			3.382E-01	3.112E-01	3.382E-01			1.562E+00	1.438E+00	1.562E+00
1300 - 1400	18			3.382E-01	3.112E-01	3.382E-01			1.278E+00	1.176E+00	1.278E+00
1400 - 1500	19			3.382E-01	3.112E-01	3.382E-01			1.349E+00	1.242E+00	1.349E+00
1500 - 1600	19			3.382E-01	3.112E-01	3.382E-01			1.349E+00	1.242E+00	1.349E+00
1600 - 1700	27			3.382E-01	3.112E-01	3.382E-01			1.918E+00	1.765E+00	1.918E+00
1700 - 1800	33			3.382E-01	3.112E-01	3.382E-01			2.344E+00	2.157E+00	2.344E+00
1800 - 1900	31			3.382E-01	3.112E-01	3.382E-01			2.202E+00	2.026E+00	2.202E+00
1900 - 2000	29			3.382E-01	3.112E-01	3.382E-01			2.060E+00	1.895E+00	2.060E+00
2000 - 2100	23			3.382E-01	3.112E-01	3.382E-01			1.634E+00	1.503E+00	1.634E+00
2100 - 2200	15			3.382E-01	3.112E-01	3.382E-01			1.065E+00	9.803E-01	1.065E+00
2200 - 2300	10			3.382E-01	3.112E-01	3.382E-01			7.102E-01	6.535E-01	7.102E-01
2300 - 2400	9			3.382E-01	3.112E-01	3.382E-01			6.392E-01	5.882E-01	6.392E-01

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
0100 - 0200	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0200 - 0300	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	10			3.226E-03	3.226E-03	3.226E-03			3.226E-02	3.226E-02	3.226E-02
0700 - 0800	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
0800 - 0900	18			3.226E-03	3.226E-03	3.226E-03			5.807E-02	5.807E-02	5.807E-02
0900 - 1000	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
1000 - 1100	12			3.226E-03	3.226E-03	3.226E-03			3.871E-02	3.871E-02	3.871E-02
1100 - 1200	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
1200 - 1300	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
1300 - 1400	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
1400 - 1500	6			3.226E-03	3.226E-03	3.226E-03			1.936E-02	1.936E-02	1.936E-02
1500 - 1600	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
1600 - 1700	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
1700 - 1800	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
1800 - 1900	14			3.226E-03	3.226E-03	3.226E-03			4.516E-02	4.516E-02	4.516E-02
1900 - 2000	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
2000 - 2100	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
2100 - 2200	6			3.226E-03	3.226E-03	3.226E-03			1.936E-02	1.936E-02	1.936E-02
2200 - 2300	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
2300 - 2400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00

Sha Tin Station Terminus (Bus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			9.071E-01	8.391E-01	9.071E-01			2.520E-04	2.331E-04	2.520E-04
0100 - 0200			2.260E-01	2.090E-01	2.260E-01			6.277E-05	5.804E-05	6.277E-05
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			7.747E-02	7.180E-02	7.747E-02			2.152E-05	1.995E-05	2.152E-05
0500 - 0600			6.973E-01	6.462E-01	6.973E-01			1.937E-04	1.795E-04	1.937E-04
0600 - 0700			2.137E+00	1.978E+00	2.137E+00			5.936E-04	5.495E-04	5.936E-04
0700 - 0800			2.663E+00	2.465E+00	2.663E+00			7.398E-04	6.847E-04	7.398E-04
0800 - 0900			2.266E+00	2.096E+00	2.266E+00			6.295E-04	5.822E-04	6.295E-04
0900 - 1000			1.959E+00	1.812E+00	1.959E+00			5.443E-04	5.033E-04	5.443E-04
1000 - 1100			1.356E+00	1.254E+00	1.356E+00			3.766E-04	3.483E-04	3.766E-04
1100 - 1200			1.146E+00	1.061E+00	1.146E+00			3.183E-04	2.947E-04	3.183E-04
1200 - 1300			1.675E+00	1.551E+00	1.675E+00			4.654E-04	4.307E-04	4.654E-04
1300 - 1400			1.372E+00	1.270E+00	1.372E+00			3.811E-04	3.527E-04	3.811E-04
1400 - 1500			1.453E+00	1.345E+00	1.453E+00			4.035E-04	3.736E-04	4.035E-04
1500 - 1600			1.443E+00	1.335E+00	1.443E+00			4.008E-04	3.709E-04	4.008E-04
1600 - 1700			2.056E+00	1.903E+00	2.056E+00			5.712E-04	5.287E-04	5.712E-04
1700 - 1800			2.508E+00	2.321E+00	2.508E+00			6.967E-04	6.448E-04	6.967E-04
1800 - 1900			2.357E+00	2.181E+00	2.357E+00			6.546E-04	6.058E-04	6.546E-04
1900 - 2000			2.218E+00	2.053E+00	2.218E+00			6.160E-04	5.704E-04	6.160E-04
2000 - 2100			1.753E+00	1.622E+00	1.753E+00			4.869E-04	4.507E-04	4.869E-04
2100 - 2200			1.143E+00	1.058E+00	1.143E+00			3.174E-04	2.938E-04	3.174E-04
2200 - 2300			7.715E-01	7.148E-01	7.715E-01			2.143E-04	1.986E-04	2.143E-04
2300 - 2400			6.973E-01	6.462E-01	6.973E-01			1.937E-04	1.795E-04	1.937E-04

Sha Tin Station Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			1.015E-02	9.482E-03	1.015E-02			2.821E-06	2.634E-06	2.821E-06
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0600 - 0700			1.901E-01	1.766E-01	1.901E-01			5.280E-05	4.907E-05	5.280E-05
0700 - 0800			5.200E-01	4.844E-01	5.200E-01			1.444E-04	1.345E-04	1.444E-04
0800 - 0900			5.679E-01	5.282E-01	5.679E-01			1.577E-04	1.467E-04	1.577E-04
0900 - 1000			3.841E-01	3.572E-01	3.841E-01			1.067E-04	9.922E-05	1.067E-04
1000 - 1100			3.601E-01	3.352E-01	3.601E-01			1.000E-04	9.312E-05	1.000E-04
1100 - 1200			3.588E-01	3.339E-01	3.588E-01			9.967E-05	9.276E-05	9.967E-05
1200 - 1300			3.653E-01	3.404E-01	3.653E-01			1.015E-04	9.457E-05	1.015E-04
1300 - 1400			3.031E-01	2.822E-01	3.031E-01			8.419E-05	7.840E-05	8.419E-05
1400 - 1500			2.919E-01	2.724E-01	2.919E-01			8.107E-05	7.566E-05	8.107E-05
1500 - 1600			3.452E-01	3.224E-01	3.452E-01			9.590E-05	8.955E-05	9.590E-05
1600 - 1700			2.945E-01	2.750E-01	2.945E-01			8.180E-05	7.638E-05	8.180E-05
1700 - 1800			3.413E-01	3.185E-01	3.413E-01			9.482E-05	8.847E-05	9.482E-05
1800 - 1900			3.984E-01	3.715E-01	3.984E-01			1.107E-04	1.032E-04	1.107E-04
1900 - 2000			2.703E-01	2.521E-01	2.703E-01			7.507E-05	7.003E-05	7.507E-05
2000 - 2100			1.979E-01	1.844E-01	1.979E-01			5.497E-05	5.123E-05	5.497E-05
2100 - 2200			2.411E-01	2.250E-01	2.411E-01			6.697E-05	6.249E-05	6.697E-05
2200 - 2300			1.320E-01	1.233E-01	1.320E-01			3.667E-05	3.424E-05	3.667E-05
2300 - 2400			5.077E-02	4.741E-02	5.077E-02			1.410E-05	1.317E-05	1.410E-05

Sha Tin Central Terminus

Starting Emission

Starting Emission Factor (g/trip)																		
NO																		
NO ₂																		
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	7	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	2	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	1	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0500 - 0600	2	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
0600 - 0700	2	4	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	5	4	9	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	5	11	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	2	4	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	2	5	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	6	1	5	0	0	3	2	0	1	0	0	0	0	0	0	0	0	0
1200 - 1300	1	5	12	2	0	0	2	1	0	0	0	0	0	0	0	0	0	0
1300 - 1400	1	3	8	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	4	2	12	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	3	4	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	4	11	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	3	10	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	4	9	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	3	6	6	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	1	12	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	2	1	8	0	1	1	5	1	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	11	1	0	0	6	1	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	5	1	2	0	3	1	0	0	0	0	0	0	0	0	0	0

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Sha Tin Central Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	210	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	60			3.382E-01	3.112E-01	3.382E-01			4.261E+00	3.921E+00	4.261E+00
0100 - 0200	17			3.382E-01	3.112E-01	3.382E-01			1.207E+00	1.111E+00	1.207E+00
0200 - 0300	10			3.382E-01	3.112E-01	3.382E-01			7.102E-01	6.535E-01	7.102E-01
0300 - 0400	10			3.382E-01	3.112E-01	3.382E-01			7.102E-01	6.535E-01	7.102E-01
0400 - 0500	17			3.382E-01	3.112E-01	3.382E-01			1.207E+00	1.111E+00	1.207E+00
0500 - 0600	38			3.382E-01	3.112E-01	3.382E-01			2.699E+00	2.483E+00	2.699E+00
0600 - 0700	105			3.382E-01	3.112E-01	3.382E-01			7.457E+00	6.862E+00	7.457E+00
0700 - 0800	139			3.382E-01	3.112E-01	3.382E-01			9.872E+00	9.084E+00	9.872E+00
0800 - 0900	129			3.382E-01	3.112E-01	3.382E-01			9.162E+00	8.430E+00	9.162E+00
0900 - 1000	129			3.382E-01	3.112E-01	3.382E-01			9.162E+00	8.430E+00	9.162E+00
1000 - 1100	115			3.382E-01	3.112E-01	3.382E-01			8.168E+00	7.515E+00	8.168E+00
1100 - 1200	91			3.382E-01	3.112E-01	3.382E-01			6.463E+00	5.947E+00	6.463E+00
1200 - 1300	118			3.382E-01	3.112E-01	3.382E-01			8.381E+00	7.712E+00	8.381E+00
1300 - 1400	121			3.382E-01	3.112E-01	3.382E-01			8.594E+00	7.908E+00	8.594E+00
1400 - 1500	123			3.382E-01	3.112E-01	3.382E-01			8.736E+00	8.038E+00	8.736E+00
1500 - 1600	116			3.382E-01	3.112E-01	3.382E-01			8.239E+00	7.581E+00	8.239E+00
1600 - 1700	123			3.382E-01	3.112E-01	3.382E-01			8.736E+00	8.038E+00	8.736E+00
1700 - 1800	133			3.382E-01	3.112E-01	3.382E-01			9.446E+00	8.692E+00	9.446E+00
1800 - 1900	148			3.382E-01	3.112E-01	3.382E-01			1.051E+01	9.672E+00	1.051E+01
1900 - 2000	130			3.382E-01	3.112E-01	3.382E-01			9.233E+00	8.496E+00	9.233E+00
2000 - 2100	108			3.382E-01	3.112E-01	3.382E-01			7.670E+00	7.058E+00	7.670E+00
2100 - 2200	104			3.382E-01	3.112E-01	3.382E-01			7.386E+00	6.797E+00	7.386E+00
2200 - 2300	83			3.382E-01	3.112E-01	3.382E-01			5.895E+00	5.424E+00	5.895E+00
2300 - 2400	78			3.382E-01	3.112E-01	3.382E-01			5.540E+00	5.097E+00	5.540E+00

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	49			3.226E-03	3.226E-03	3.226E-03			1.581E-01	1.581E-01	1.581E-01
0100 - 0200	13			3.226E-03	3.226E-03	3.226E-03			4.194E-02	4.194E-02	4.194E-02
0200 - 0300	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
0300 - 0400	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
0400 - 0500	13			3.226E-03	3.226E-03	3.226E-03			4.194E-02	4.194E-02	4.194E-02
0500 - 0600	31			3.226E-03	3.226E-03	3.226E-03			1.000E-01	1.000E-01	1.000E-01
0600 - 0700	87			3.226E-03	3.226E-03	3.226E-03			2.806E-01	2.806E-01	2.806E-01
0700 - 0800	116			3.226E-03	3.226E-03	3.226E-03			3.742E-01	3.742E-01	3.742E-01
0800 - 0900	103			3.226E-03	3.226E-03	3.226E-03			3.323E-01	3.323E-01	3.323E-01
0900 - 1000	113			3.226E-03	3.226E-03	3.226E-03			3.645E-01	3.645E-01	3.645E-01
1000 - 1100	100			3.226E-03	3.226E-03	3.226E-03			3.226E-01	3.226E-01	3.226E-01
1100 - 1200	73			3.226E-03	3.226E-03	3.226E-03			2.355E-01	2.355E-01	2.355E-01
1200 - 1300	95			3.226E-03	3.226E-03	3.226E-03			3.065E-01	3.065E-01	3.065E-01
1300 - 1400	106			3.226E-03	3.226E-03	3.226E-03			3.419E-01	3.419E-01	3.419E-01
1400 - 1500	101			3.226E-03	3.226E-03	3.226E-03			3.258E-01	3.258E-01	3.258E-01
1500 - 1600	100			3.226E-03	3.226E-03	3.226E-03			3.226E-01	3.226E-01	3.226E-01
1600 - 1700	104			3.226E-03	3.226E-03	3.226E-03			3.355E-01	3.355E-01	3.355E-01
1700 - 1800	111			3.226E-03	3.226E-03	3.226E-03			3.581E-01	3.581E-01	3.581E-01
1800 - 1900	127			3.226E-03	3.226E-03	3.226E-03			4.097E-01	4.097E-01	4.097E-01
1900 - 2000	111			3.226E-03	3.226E-03	3.226E-03			3.581E-01	3.581E-01	3.581E-01
2000 - 2100	90			3.226E-03	3.226E-03	3.226E-03			2.903E-01	2.903E-01	2.903E-01
2100 - 2200	85			3.226E-03	3.226E-03	3.226E-03			2.742E-01	2.742E-01	2.742E-01
2200 - 2300	64			3.226E-03	3.226E-03	3.226E-03			2.065E-01	2.065E-01	2.065E-01
2300 - 2400	66			3.226E-03	3.226E-03	3.226E-03			2.129E-01	2.129E-01	2.129E-01

Sha Tin Central Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			4.490E+00	4.150E+00	4.490E+00			1.247E-03	1.153E-03	1.247E-03
0100 - 0200			1.275E+00	1.179E+00	1.275E+00			3.542E-04	3.274E-04	3.542E-04
0200 - 0300			7.651E-01	7.084E-01	7.651E-01			2.125E-04	1.968E-04	2.125E-04
0300 - 0400			7.522E-01	6.955E-01	7.522E-01			2.089E-04	1.932E-04	2.089E-04
0400 - 0500			1.275E+00	1.179E+00	1.275E+00			3.542E-04	3.274E-04	3.542E-04
0500 - 0600			2.844E+00	2.629E+00	2.844E+00			7.900E-04	7.301E-04	7.900E-04
0600 - 0700			7.854E+00	7.259E+00	7.854E+00			2.182E-03	2.016E-03	2.182E-03
0700 - 0800			1.039E+01	9.607E+00	1.039E+01			2.887E-03	2.668E-03	2.887E-03
0800 - 0900			9.662E+00	8.930E+00	9.662E+00			2.684E-03	2.481E-03	2.684E-03
0900 - 1000			9.630E+00	8.898E+00	9.630E+00			2.675E-03	2.472E-03	2.675E-03
1000 - 1100			8.587E+00	7.935E+00	8.587E+00			2.385E-03	2.204E-03	2.385E-03
1100 - 1200			6.815E+00	6.299E+00	6.815E+00			1.893E-03	1.750E-03	1.893E-03
1200 - 1300			8.835E+00	8.166E+00	8.835E+00			2.454E-03	2.268E-03	2.454E-03
1300 - 1400			9.032E+00	8.346E+00	9.032E+00			2.509E-03	2.318E-03	2.509E-03
1400 - 1500			9.203E+00	8.506E+00	9.203E+00			2.557E-03	2.363E-03	2.557E-03
1500 - 1600			8.664E+00	8.007E+00	8.664E+00			2.407E-03	2.224E-03	2.407E-03
1600 - 1700			9.194E+00	8.496E+00	9.194E+00			2.554E-03	2.360E-03	2.554E-03
1700 - 1800			9.946E+00	9.192E+00	9.946E+00			2.763E-03	2.553E-03	2.763E-03
1800 - 1900			1.106E+01	1.022E+01	1.106E+01			3.071E-03	2.838E-03	3.071E-03
1900 - 2000			9.714E+00	8.976E+00	9.714E+00			2.698E-03	2.493E-03	2.698E-03
2000 - 2100			8.077E+00	7.464E+00	8.077E+00			2.244E-03	2.073E-03	2.244E-03
2100 - 2200			7.783E+00	7.193E+00	7.783E+00			2.162E-03	1.998E-03	2.162E-03
2200 - 2300			6.224E+00	5.753E+00	6.224E+00			1.729E-03	1.598E-03	1.729E-03
2300 - 2400			5.830E+00	5.388E+00	5.830E+00			1.619E-03	1.497E-03	1.619E-03

Sha Tin Wai Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	60	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	5			3.382E-01	3.112E-01	3.382E-01			1.015E-01	9.336E-02	1.015E-01
0100 - 0200	1			3.382E-01	3.112E-01	3.382E-01			2.029E-02	1.867E-02	2.029E-02
0200 - 0300	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	3			3.382E-01	3.112E-01	3.382E-01			6.088E-02	5.602E-02	6.088E-02
0600 - 0700	6			3.382E-01	3.112E-01	3.382E-01			1.218E-01	1.120E-01	1.218E-01
0700 - 0800	11			3.382E-01	3.112E-01	3.382E-01			2.232E-01	2.054E-01	2.232E-01
0800 - 0900	8			3.382E-01	3.112E-01	3.382E-01			1.623E-01	1.494E-01	1.623E-01
0900 - 1000	6			3.382E-01	3.112E-01	3.382E-01			1.218E-01	1.120E-01	1.218E-01
1000 - 1100	7			3.382E-01	3.112E-01	3.382E-01			1.420E-01	1.307E-01	1.420E-01
1100 - 1200	8			3.382E-01	3.112E-01	3.382E-01			1.623E-01	1.494E-01	1.623E-01
1200 - 1300	10			3.382E-01	3.112E-01	3.382E-01			2.029E-01	1.867E-01	2.029E-01
1300 - 1400	5			3.382E-01	3.112E-01	3.382E-01			1.015E-01	9.336E-02	1.015E-01
1400 - 1500	6			3.382E-01	3.112E-01	3.382E-01			1.218E-01	1.120E-01	1.218E-01
1500 - 1600	5			3.382E-01	3.112E-01	3.382E-01			1.015E-01	9.336E-02	1.015E-01
1600 - 1700	6			3.382E-01	3.112E-01	3.382E-01			1.218E-01	1.120E-01	1.218E-01
1700 - 1800	6			3.382E-01	3.112E-01	3.382E-01			1.218E-01	1.120E-01	1.218E-01
1800 - 1900	8			3.382E-01	3.112E-01	3.382E-01			1.623E-01	1.494E-01	1.623E-01
1900 - 2000	7			3.382E-01	3.112E-01	3.382E-01			1.420E-01	1.307E-01	1.420E-01
2000 - 2100	10			3.382E-01	3.112E-01	3.382E-01			2.029E-01	1.867E-01	2.029E-01
2100 - 2200	9			3.382E-01	3.112E-01	3.382E-01			1.826E-01	1.680E-01	1.826E-01
2200 - 2300	6			3.382E-01	3.112E-01	3.382E-01			1.218E-01	1.120E-01	1.218E-01
2300 - 2400	11			3.382E-01	3.112E-01	3.382E-01			2.232E-01	2.054E-01	2.232E-01

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02
0100 - 0200	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0200 - 0300	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0600 - 0700	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0700 - 0800	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
0800 - 0900	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0900 - 1000	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
1000 - 1100	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
1100 - 1200	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02
1200 - 1300	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
1300 - 1400	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
1400 - 1500	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
1500 - 1600	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
1600 - 1700	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
1800 - 1900	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
1900 - 2000	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
2000 - 2100	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
2100 - 2200	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
2200 - 2300	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
2300 - 2400	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02

Sha Tin Wai Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			1.208E-01	1.127E-01	1.208E-01			3.356E-05	3.131E-05	3.356E-05
0100 - 0200			2.352E-02	2.190E-02	2.352E-02			6.533E-06	6.083E-06	6.533E-06
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			7.701E-02	7.215E-02	7.701E-02			2.139E-05	2.004E-05	2.139E-05
0600 - 0700			1.540E-01	1.443E-01	1.540E-01			4.278E-05	4.008E-05	4.278E-05
0700 - 0800			2.845E-01	2.667E-01	2.845E-01			7.903E-05	7.408E-05	7.903E-05
0800 - 0900			2.139E-01	2.010E-01	2.139E-01			5.943E-05	5.583E-05	5.943E-05
0900 - 1000			1.572E-01	1.475E-01	1.572E-01			4.368E-05	4.098E-05	4.368E-05
1000 - 1100			1.711E-01	1.597E-01	1.711E-01			4.752E-05	4.437E-05	4.752E-05
1100 - 1200			2.010E-01	1.881E-01	2.010E-01			5.585E-05	5.225E-05	5.585E-05
1200 - 1300			2.578E-01	2.416E-01	2.578E-01			7.160E-05	6.710E-05	7.160E-05
1300 - 1400			1.273E-01	1.192E-01	1.273E-01			3.535E-05	3.310E-05	3.535E-05
1400 - 1500			1.605E-01	1.507E-01	1.605E-01			4.457E-05	4.187E-05	4.457E-05
1500 - 1600			1.337E-01	1.256E-01	1.337E-01			3.714E-05	3.489E-05	3.714E-05
1600 - 1700			1.605E-01	1.507E-01	1.605E-01			4.457E-05	4.187E-05	4.457E-05
1700 - 1800			1.605E-01	1.507E-01	1.605E-01			4.457E-05	4.187E-05	4.457E-05
1800 - 1900			2.043E-01	1.913E-01	2.043E-01			5.674E-05	5.314E-05	5.674E-05
1900 - 2000			1.808E-01	1.694E-01	1.808E-01			5.021E-05	4.706E-05	5.021E-05
2000 - 2100			2.578E-01	2.416E-01	2.578E-01			7.160E-05	6.710E-05	7.160E-05
2100 - 2200			2.342E-01	2.197E-01	2.342E-01			6.507E-05	6.102E-05	6.507E-05
2200 - 2300			1.508E-01	1.411E-01	1.508E-01			4.188E-05	3.918E-05	4.188E-05
2300 - 2400			2.813E-01	2.635E-01	2.813E-01			7.813E-05	7.318E-05	7.813E-05

Pok Hong Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	100	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4			3.382E-01	3.112E-01	3.382E-01			1.353E-01	1.245E-01	1.353E-01
0100 - 0200	2			3.382E-01	3.112E-01	3.382E-01			6.764E-02	6.224E-02	6.764E-02
0200 - 0300	1			3.382E-01	3.112E-01	3.382E-01			3.382E-02	3.112E-02	3.382E-02
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	1			3.382E-01	3.112E-01	3.382E-01			3.382E-02	3.112E-02	3.382E-02
0500 - 0600	6			3.382E-01	3.112E-01	3.382E-01			2.029E-01	1.867E-01	2.029E-01
0600 - 0700	3			3.382E-01	3.112E-01	3.382E-01			1.015E-01	9.336E-02	1.015E-01
0700 - 0800	13			3.382E-01	3.112E-01	3.382E-01			4.397E-01	4.046E-01	4.397E-01
0800 - 0900	24			3.382E-01	3.112E-01	3.382E-01			8.117E-01	7.469E-01	8.117E-01
0900 - 1000	20			3.382E-01	3.112E-01	3.382E-01			6.764E-01	6.224E-01	6.764E-01
1000 - 1100	16			3.382E-01	3.112E-01	3.382E-01			5.411E-01	4.979E-01	5.411E-01
1100 - 1200	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
1200 - 1300	20			3.382E-01	3.112E-01	3.382E-01			6.764E-01	6.224E-01	6.764E-01
1300 - 1400	14			3.382E-01	3.112E-01	3.382E-01			4.735E-01	4.357E-01	4.735E-01
1400 - 1500	17			3.382E-01	3.112E-01	3.382E-01			5.749E-01	5.290E-01	5.749E-01
1500 - 1600	20			3.382E-01	3.112E-01	3.382E-01			6.764E-01	6.224E-01	6.764E-01
1600 - 1700	14			3.382E-01	3.112E-01	3.382E-01			4.735E-01	4.357E-01	4.735E-01
1700 - 1800	2			3.382E-01	3.112E-01	3.382E-01			6.764E-02	6.224E-02	6.764E-02
1800 - 1900	18			3.382E-01	3.112E-01	3.382E-01			6.088E-01	5.602E-01	6.088E-01
1900 - 2000	21			3.382E-01	3.112E-01	3.382E-01			7.102E-01	6.535E-01	7.102E-01
2000 - 2100	18			3.382E-01	3.112E-01	3.382E-01			6.088E-01	5.602E-01	6.088E-01
2100 - 2200	12			3.382E-01	3.112E-01	3.382E-01			4.058E-01	3.734E-01	4.058E-01
2200 - 2300	5			3.382E-01	3.112E-01	3.382E-01			1.691E-01	1.556E-01	1.691E-01
2300 - 2400	5			3.382E-01	3.112E-01	3.382E-01			1.691E-01	1.556E-01	1.691E-01

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02
0100 - 0200	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0200 - 0300	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0500 - 0600	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
0600 - 0700	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
0700 - 0800	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
0800 - 0900	20			3.226E-03	3.226E-03	3.226E-03			6.452E-02	6.452E-02	6.452E-02
0900 - 1000	18			3.226E-03	3.226E-03	3.226E-03			5.807E-02	5.807E-02	5.807E-02
1000 - 1100	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
1100 - 1200	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
1200 - 1300	18			3.226E-03	3.226E-03	3.226E-03			5.807E-02	5.807E-02	5.807E-02
1300 - 1400	14			3.226E-03	3.226E-03	3.226E-03			4.516E-02	4.516E-02	4.516E-02
1400 - 1500	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
1500 - 1600	19			3.226E-03	3.226E-03	3.226E-03			6.129E-02	6.129E-02	6.129E-02
1600 - 1700	13			3.226E-03	3.226E-03	3.226E-03			4.194E-02	4.194E-02	4.194E-02
1700 - 1800	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
1800 - 1900	18			3.226E-03	3.226E-03	3.226E-03			5.807E-02	5.807E-02	5.807E-02
1900 - 2000	20			3.226E-03	3.226E-03	3.226E-03			6.452E-02	6.452E-02	6.452E-02
2000 - 2100	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
2100 - 2200	12			3.226E-03	3.226E-03	3.226E-03			3.871E-02	3.871E-02	3.871E-02
2200 - 2300	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
2300 - 2400	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02

Pok Hong Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			1.482E-01	1.374E-01	1.482E-01			4.116E-05	3.816E-05	4.116E-05
0100 - 0200			7.409E-02	6.869E-02	7.409E-02			2.058E-05	1.908E-05	2.058E-05
0200 - 0300			4.027E-02	3.757E-02	4.027E-02			1.119E-05	1.044E-05	1.119E-05
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			3.705E-02	3.435E-02	3.705E-02			1.029E-05	9.541E-06	1.029E-05
0500 - 0600			2.320E-01	2.158E-01	2.320E-01			6.443E-05	5.993E-05	6.443E-05
0600 - 0700			1.111E-01	1.030E-01	1.111E-01			3.087E-05	2.862E-05	3.087E-05
0700 - 0800			4.880E-01	4.529E-01	4.880E-01			1.356E-04	1.258E-04	1.356E-04
0800 - 0900			9.020E-01	8.372E-01	9.020E-01			2.506E-04	2.326E-04	2.506E-04
0900 - 1000			7.474E-01	6.934E-01	7.474E-01			2.076E-04	1.926E-04	2.076E-04
1000 - 1100			6.089E-01	5.657E-01	6.089E-01			1.691E-04	1.571E-04	1.691E-04
1100 - 1200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1200 - 1300			7.474E-01	6.934E-01	7.474E-01			2.076E-04	1.926E-04	2.076E-04
1300 - 1400			5.186E-01	4.808E-01	5.186E-01			1.441E-04	1.336E-04	1.441E-04
1400 - 1500			6.298E-01	5.839E-01	6.298E-01			1.749E-04	1.622E-04	1.749E-04
1500 - 1600			7.441E-01	6.901E-01	7.441E-01			2.067E-04	1.917E-04	2.067E-04
1600 - 1700			5.219E-01	4.841E-01	5.219E-01			1.450E-04	1.345E-04	1.450E-04
1700 - 1800			7.409E-02	6.869E-02	7.409E-02			2.058E-05	1.908E-05	2.058E-05
1800 - 1900			6.668E-01	6.182E-01	6.668E-01			1.852E-04	1.717E-04	1.852E-04
1900 - 2000			7.812E-01	7.245E-01	7.812E-01			2.170E-04	2.012E-04	2.170E-04
2000 - 2100			6.765E-01	6.279E-01	6.765E-01			1.879E-04	1.744E-04	1.879E-04
2100 - 2200			4.446E-01	4.122E-01	4.446E-01			1.235E-04	1.145E-04	1.235E-04
2200 - 2300			1.852E-01	1.717E-01	1.852E-01			5.145E-05	4.770E-05	5.145E-05
2300 - 2400			1.852E-01	1.717E-01	1.852E-01			5.145E-05	4.770E-05	5.145E-05

Shui Chuen O Terminus (Bus)

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	130	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	12			3.382E-01	3.112E-01	3.382E-01			5.276E-01	4.855E-01	5.276E-01
0100 - 0200	2			3.382E-01	3.112E-01	3.382E-01			8.793E-02	8.091E-02	8.793E-02
0200 - 0300	3			3.382E-01	3.112E-01	3.382E-01			1.319E-01	1.214E-01	1.319E-01
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	2			3.382E-01	3.112E-01	3.382E-01			8.793E-02	8.091E-02	8.793E-02
0500 - 0600	10			3.382E-01	3.112E-01	3.382E-01			4.397E-01	4.046E-01	4.397E-01
0600 - 0700	18			3.382E-01	3.112E-01	3.382E-01			7.914E-01	7.282E-01	7.914E-01
0700 - 0800	29			3.382E-01	3.112E-01	3.382E-01			1.275E+00	1.173E+00	1.275E+00
0800 - 0900	22			3.382E-01	3.112E-01	3.382E-01			9.673E-01	8.900E-01	9.673E-01
0900 - 1000	20			3.382E-01	3.112E-01	3.382E-01			8.793E-01	8.091E-01	8.793E-01
1000 - 1100	17			3.382E-01	3.112E-01	3.382E-01			7.474E-01	6.878E-01	7.474E-01
1100 - 1200	17			3.382E-01	3.112E-01	3.382E-01			7.474E-01	6.878E-01	7.474E-01
1200 - 1300	18			3.382E-01	3.112E-01	3.382E-01			7.914E-01	7.282E-01	7.914E-01
1300 - 1400	14			3.382E-01	3.112E-01	3.382E-01			6.155E-01	5.664E-01	6.155E-01
1400 - 1500	16			3.382E-01	3.112E-01	3.382E-01			7.035E-01	6.473E-01	7.035E-01
1500 - 1600	14			3.382E-01	3.112E-01	3.382E-01			6.155E-01	5.664E-01	6.155E-01
1600 - 1700	19			3.382E-01	3.112E-01	3.382E-01			8.354E-01	7.687E-01	8.354E-01
1700 - 1800	19			3.382E-01	3.112E-01	3.382E-01			8.354E-01	7.687E-01	8.354E-01
1800 - 1900	26			3.382E-01	3.112E-01	3.382E-01			1.143E+00	1.052E+00	1.143E+00
1900 - 2000	33			3.382E-01	3.112E-01	3.382E-01			1.451E+00	1.335E+00	1.451E+00
2000 - 2100	23			3.382E-01	3.112E-01	3.382E-01			1.011E+00	9.305E-01	1.011E+00
2100 - 2200	19			3.382E-01	3.112E-01	3.382E-01			8.354E-01	7.687E-01	8.354E-01
2200 - 2300	17			3.382E-01	3.112E-01	3.382E-01			7.474E-01	6.878E-01	7.474E-01
2300 - 2400	13			3.382E-01	3.112E-01	3.382E-01			5.716E-01	5.259E-01	5.716E-01

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
0100 - 0200	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0200 - 0300	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0500 - 0600	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
0600 - 0700	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0700 - 0800	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
0800 - 0900	6			3.226E-03	3.226E-03	3.226E-03			1.936E-02	1.936E-02	1.936E-02
0900 - 1000	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02
1000 - 1100	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
1100 - 1200	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
1200 - 1300	6			3.226E-03	3.226E-03	3.226E-03			1.936E-02	1.936E-02	1.936E-02
1300 - 1400	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
1400 - 1500	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
1500 - 1600	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
1600 - 1700	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
1700 - 1800	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
1800 - 1900	13			3.226E-03	3.226E-03	3.226E-03			4.194E-02	4.194E-02	4.194E-02
1900 - 2000	16			3.226E-03	3.226E-03	3.226E-03			5.161E-02	5.161E-02	5.161E-02
2000 - 2100	10			3.226E-03	3.226E-03	3.226E-03			3.226E-02	3.226E-02	3.226E-02
2100 - 2200	6			3.226E-03	3.226E-03	3.226E-03			1.936E-02	1.936E-02	1.936E-02
2200 - 2300	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
2300 - 2400	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03

Shui Chuen O Terminus (Bus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			5.824E-01	5.403E-01	5.824E-01			1.618E-04	1.501E-04	1.618E-04
0100 - 0200			9.438E-02	8.736E-02	9.438E-02			2.622E-05	2.427E-05	2.622E-05
0200 - 0300			1.448E-01	1.343E-01	1.448E-01			4.022E-05	3.730E-05	4.022E-05
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			9.438E-02	8.736E-02	9.438E-02			2.622E-05	2.427E-05	2.622E-05
0500 - 0600			4.880E-01	4.529E-01	4.880E-01			1.356E-04	1.258E-04	1.356E-04
0600 - 0700			9.011E-01	8.379E-01	9.011E-01			2.503E-04	2.327E-04	2.503E-04
0700 - 0800			1.427E+00	1.325E+00	1.427E+00			3.963E-04	3.680E-04	3.963E-04
0800 - 0900			1.090E+00	1.013E+00	1.090E+00			3.027E-04	2.813E-04	3.027E-04
0900 - 1000			9.955E-01	9.253E-01	9.955E-01			2.765E-04	2.570E-04	2.765E-04
1000 - 1100			8.474E-01	7.878E-01	8.474E-01			2.354E-04	2.188E-04	2.354E-04
1100 - 1200			8.474E-01	7.878E-01	8.474E-01			2.354E-04	2.188E-04	2.354E-04
1200 - 1300			8.882E-01	8.250E-01	8.882E-01			2.467E-04	2.292E-04	2.467E-04
1300 - 1400			6.994E-01	6.503E-01	6.994E-01			1.943E-04	1.806E-04	1.943E-04
1400 - 1500			8.002E-01	7.441E-01	8.002E-01			2.223E-04	2.067E-04	2.223E-04
1500 - 1600			6.962E-01	6.470E-01	6.962E-01			1.934E-04	1.797E-04	1.934E-04
1600 - 1700			9.547E-01	8.880E-01	9.547E-01			2.652E-04	2.467E-04	2.652E-04
1700 - 1800			9.515E-01	8.848E-01	9.515E-01			2.643E-04	2.458E-04	2.643E-04
1800 - 1900			1.269E+00	1.178E+00	1.269E+00			3.525E-04	3.271E-04	3.525E-04
1900 - 2000			1.612E+00	1.496E+00	1.612E+00			4.478E-04	4.156E-04	4.478E-04
2000 - 2100			1.127E+00	1.047E+00	1.127E+00			3.132E-04	2.907E-04	3.132E-04
2100 - 2200			9.386E-01	8.719E-01	9.386E-01			2.607E-04	2.422E-04	2.607E-04
2200 - 2300			8.281E-01	7.684E-01	8.281E-01			2.300E-04	2.134E-04	2.300E-04
2300 - 2400			6.490E-01	6.033E-01	6.490E-01			1.803E-04	1.676E-04	1.803E-04

Shui Chuen O Terminus (Minibus)

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio^[1] = 1.2

Starting Emission Factor (g/trip)																			
NO																			
NO ₂																			
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Hour Sitting Time (min)	No. of Cold Starts of Public Light Bus (Diesel)																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0
1100 - 1200	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
1800 - 1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2100 - 2200	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0
		0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
 [2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2028 data of EMFAC-HK.

Shui Chuen O Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0600 - 0700			4.777E-02	4.444E-02	4.777E-02			1.327E-05	1.234E-05	1.327E-05
0700 - 0800			2.823E-02	2.615E-02	2.823E-02			7.842E-06	7.264E-06	7.842E-06
0800 - 0900			1.694E-02	1.569E-02	1.694E-02			4.705E-06	4.359E-06	4.705E-06
0900 - 1000			3.778E-02	3.528E-02	3.778E-02			1.049E-05	9.800E-06	1.049E-05
1000 - 1100			3.778E-02	3.528E-02	3.778E-02			1.049E-05	9.800E-06	1.049E-05
1100 - 1200			4.342E-02	4.051E-02	4.342E-02			1.206E-05	1.125E-05	1.206E-05
1200 - 1300			2.388E-02	2.222E-02	2.388E-02			6.635E-06	6.172E-06	6.635E-06
1300 - 1400			1.129E-02	1.046E-02	1.129E-02			3.137E-06	2.906E-06	3.137E-06
1400 - 1500			2.953E-02	2.745E-02	2.953E-02			8.203E-06	7.625E-06	8.203E-06
1500 - 1600			3.213E-02	3.005E-02	3.213E-02			8.925E-06	8.347E-06	8.925E-06
1600 - 1700			5.646E-03	5.230E-03	5.646E-03			1.568E-06	1.453E-06	1.568E-06
1700 - 1800			2.518E-02	2.352E-02	2.518E-02			6.996E-06	6.533E-06	6.996E-06
1800 - 1900			5.646E-03	5.230E-03	5.646E-03			1.568E-06	1.453E-06	1.568E-06
1900 - 2000			3.083E-02	2.875E-02	3.083E-02			8.564E-06	7.986E-06	8.564E-06
2000 - 2100			1.954E-02	1.829E-02	1.954E-02			5.427E-06	5.081E-06	5.427E-06
2100 - 2200			1.389E-02	1.306E-02	1.389E-02			3.859E-06	3.628E-06	3.859E-06
2200 - 2300			5.646E-03	5.230E-03	5.646E-03			1.568E-06	1.453E-06	1.568E-06
2300 - 2400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00

Chun Shek Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	90	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	10			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
0100 - 0200	1			3.382E-01	3.112E-01	3.382E-01			3.044E-02	2.801E-02	3.044E-02
0200 - 0300	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	6			3.382E-01	3.112E-01	3.382E-01			1.826E-01	1.680E-01	1.826E-01
0600 - 0700	15			3.382E-01	3.112E-01	3.382E-01			4.566E-01	4.201E-01	4.566E-01
0700 - 0800	22			3.382E-01	3.112E-01	3.382E-01			6.696E-01	6.162E-01	6.696E-01
0800 - 0900	16			3.382E-01	3.112E-01	3.382E-01			4.870E-01	4.481E-01	4.870E-01
0900 - 1000	14			3.382E-01	3.112E-01	3.382E-01			4.261E-01	3.921E-01	4.261E-01
1000 - 1100	13			3.382E-01	3.112E-01	3.382E-01			3.957E-01	3.641E-01	3.957E-01
1100 - 1200	13			3.382E-01	3.112E-01	3.382E-01			3.957E-01	3.641E-01	3.957E-01
1200 - 1300	13			3.382E-01	3.112E-01	3.382E-01			3.957E-01	3.641E-01	3.957E-01
1300 - 1400	12			3.382E-01	3.112E-01	3.382E-01			3.653E-01	3.361E-01	3.653E-01
1400 - 1500	7			3.382E-01	3.112E-01	3.382E-01			2.131E-01	1.961E-01	2.131E-01
1500 - 1600	13			3.382E-01	3.112E-01	3.382E-01			3.957E-01	3.641E-01	3.957E-01
1600 - 1700	14			3.382E-01	3.112E-01	3.382E-01			4.261E-01	3.921E-01	4.261E-01
1700 - 1800	13			3.382E-01	3.112E-01	3.382E-01			3.957E-01	3.641E-01	3.957E-01
1800 - 1900	13			3.382E-01	3.112E-01	3.382E-01			3.957E-01	3.641E-01	3.957E-01
1900 - 2000	15			3.382E-01	3.112E-01	3.382E-01			4.566E-01	4.201E-01	4.566E-01
2000 - 2100	12			3.382E-01	3.112E-01	3.382E-01			3.653E-01	3.361E-01	3.653E-01
2100 - 2200	15			3.382E-01	3.112E-01	3.382E-01			4.566E-01	4.201E-01	4.566E-01
2200 - 2300	10			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
2300 - 2400	11			3.382E-01	3.112E-01	3.382E-01			3.348E-01	3.081E-01	3.348E-01

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
0100 - 0200	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0200 - 0300	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0700 - 0800	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02
0800 - 0900	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0900 - 1000	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
1000 - 1100	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
1100 - 1200	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
1200 - 1300	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02
1300 - 1400	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
1400 - 1500	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
1500 - 1600	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
1600 - 1700	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
1700 - 1800	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
1800 - 1900	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
1900 - 2000	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
2000 - 2100	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
2100 - 2200	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
2200 - 2300	4			3.226E-03	3.226E-03	3.226E-03			1.290E-02	1.290E-02	1.290E-02
2300 - 2400	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02

Chun Shek Terminus

Total Hourly Emission

Hour	Emission Within PT1									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			3.463E-01	3.220E-01	3.463E-01			9.620E-05	8.945E-05	9.620E-05
0100 - 0200			3.366E-02	3.123E-02	3.366E-02			9.351E-06	8.676E-06	9.351E-06
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			2.213E-01	2.068E-01	2.213E-01			6.148E-05	5.743E-05	6.148E-05
0600 - 0700			5.501E-01	5.137E-01	5.501E-01			1.528E-04	1.427E-04	1.528E-04
0700 - 0800			7.987E-01	7.452E-01	7.987E-01			2.219E-04	2.070E-04	2.219E-04
0800 - 0900			5.870E-01	5.481E-01	5.870E-01			1.631E-04	1.523E-04	1.631E-04
0900 - 1000			5.132E-01	4.792E-01	5.132E-01			1.426E-04	1.331E-04	1.426E-04
1000 - 1100			4.731E-01	4.415E-01	4.731E-01			1.314E-04	1.226E-04	1.314E-04
1100 - 1200			4.634E-01	4.318E-01	4.634E-01			1.287E-04	1.200E-04	1.287E-04
1200 - 1300			4.667E-01	4.351E-01	4.667E-01			1.296E-04	1.209E-04	1.296E-04
1300 - 1400			4.265E-01	3.974E-01	4.265E-01			1.185E-04	1.104E-04	1.185E-04
1400 - 1500			2.550E-01	2.380E-01	2.550E-01			7.083E-05	6.611E-05	7.083E-05
1500 - 1600			4.796E-01	4.480E-01	4.796E-01			1.332E-04	1.244E-04	1.332E-04
1600 - 1700			5.068E-01	4.728E-01	5.068E-01			1.408E-04	1.313E-04	1.408E-04
1700 - 1800			4.796E-01	4.480E-01	4.796E-01			1.332E-04	1.244E-04	1.332E-04
1800 - 1900			4.731E-01	4.415E-01	4.731E-01			1.314E-04	1.226E-04	1.314E-04
1900 - 2000			5.372E-01	5.008E-01	5.372E-01			1.492E-04	1.391E-04	1.492E-04
2000 - 2100			4.201E-01	3.909E-01	4.201E-01			1.167E-04	1.086E-04	1.167E-04
2100 - 2200			5.243E-01	4.879E-01	5.243E-01			1.456E-04	1.355E-04	1.456E-04
2200 - 2300			3.560E-01	3.317E-01	3.560E-01			9.889E-05	9.214E-05	9.889E-05
2300 - 2400			3.897E-01	3.629E-01	3.897E-01			1.082E-04	1.008E-04	1.082E-04

Sun Tin Wai Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	50	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7			3.382E-01	3.112E-01	3.382E-01			1.184E-01	1.089E-01	1.184E-01
0100 - 0200	2			3.382E-01	3.112E-01	3.382E-01			3.382E-02	3.112E-02	3.382E-02
0200 - 0300	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	6			3.382E-01	3.112E-01	3.382E-01			1.015E-01	9.336E-02	1.015E-01
0600 - 0700	17			3.382E-01	3.112E-01	3.382E-01			2.875E-01	2.645E-01	2.875E-01
0700 - 0800	24			3.382E-01	3.112E-01	3.382E-01			4.058E-01	3.734E-01	4.058E-01
0800 - 0900	16			3.382E-01	3.112E-01	3.382E-01			2.706E-01	2.490E-01	2.706E-01
0900 - 1000	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
1000 - 1100	17			3.382E-01	3.112E-01	3.382E-01			2.875E-01	2.645E-01	2.875E-01
1100 - 1200	16			3.382E-01	3.112E-01	3.382E-01			2.706E-01	2.490E-01	2.706E-01
1200 - 1300	17			3.382E-01	3.112E-01	3.382E-01			2.875E-01	2.645E-01	2.875E-01
1300 - 1400	17			3.382E-01	3.112E-01	3.382E-01			2.875E-01	2.645E-01	2.875E-01
1400 - 1500	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
1500 - 1600	16			3.382E-01	3.112E-01	3.382E-01			2.706E-01	2.490E-01	2.706E-01
1600 - 1700	22			3.382E-01	3.112E-01	3.382E-01			3.720E-01	3.423E-01	3.720E-01
1700 - 1800	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
1800 - 1900	19			3.382E-01	3.112E-01	3.382E-01			3.213E-01	2.956E-01	3.213E-01
1900 - 2000	17			3.382E-01	3.112E-01	3.382E-01			2.875E-01	2.645E-01	2.875E-01
2000 - 2100	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
2100 - 2200	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
2200 - 2300	14			3.382E-01	3.112E-01	3.382E-01			2.367E-01	2.178E-01	2.367E-01
2300 - 2400	15			3.382E-01	3.112E-01	3.382E-01			2.537E-01	2.334E-01	2.537E-01

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
0100 - 0200	2			3.226E-03	3.226E-03	3.226E-03			6.452E-03	6.452E-03	6.452E-03
0200 - 0300	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0600 - 0700	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
0700 - 0800	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
0800 - 0900	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02
0900 - 1000	12			3.226E-03	3.226E-03	3.226E-03			3.871E-02	3.871E-02	3.871E-02
1000 - 1100	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
1100 - 1200	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02
1200 - 1300	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02
1300 - 1400	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
1400 - 1500	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
1500 - 1600	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
1600 - 1700	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
1700 - 1800	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02
1800 - 1900	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
1900 - 2000	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02
2000 - 2100	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02
2100 - 2200	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
2200 - 2300	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02
2300 - 2400	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02

Sun Tin Wai Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			1.410E-01	1.315E-01	1.410E-01			3.915E-05	3.653E-05	3.915E-05
0100 - 0200			4.027E-02	3.757E-02	4.027E-02			1.119E-05	1.044E-05	1.119E-05
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			1.369E-01	1.288E-01	1.369E-01			3.804E-05	3.579E-05	3.804E-05
0600 - 0700			3.681E-01	3.452E-01	3.681E-01			1.023E-04	9.588E-05	1.023E-04
0700 - 0800			5.252E-01	4.928E-01	5.252E-01			1.459E-04	1.369E-04	1.459E-04
0800 - 0900			3.480E-01	3.264E-01	3.480E-01			9.666E-05	9.066E-05	9.666E-05
0900 - 1000			3.818E-01	3.575E-01	3.818E-01			1.061E-04	9.931E-05	1.061E-04
1000 - 1100			3.617E-01	3.387E-01	3.617E-01			1.005E-04	9.409E-05	1.005E-04
1100 - 1200			3.480E-01	3.264E-01	3.480E-01			9.666E-05	9.066E-05	9.666E-05
1200 - 1300			3.713E-01	3.484E-01	3.713E-01			1.032E-04	9.678E-05	1.032E-04
1300 - 1400			3.746E-01	3.516E-01	3.746E-01			1.040E-04	9.767E-05	1.040E-04
1400 - 1500			3.915E-01	3.672E-01	3.915E-01			1.087E-04	1.020E-04	1.087E-04
1500 - 1600			3.512E-01	3.296E-01	3.512E-01			9.756E-05	9.156E-05	9.756E-05
1600 - 1700			4.785E-01	4.488E-01	4.785E-01			1.329E-04	1.247E-04	1.329E-04
1700 - 1800			3.947E-01	3.704E-01	3.947E-01			1.096E-04	1.029E-04	1.096E-04
1800 - 1900			4.148E-01	3.892E-01	4.148E-01			1.152E-04	1.081E-04	1.152E-04
1900 - 2000			3.713E-01	3.484E-01	3.713E-01			1.032E-04	9.678E-05	1.032E-04
2000 - 2100			3.947E-01	3.704E-01	3.947E-01			1.096E-04	1.029E-04	1.096E-04
2100 - 2200			3.850E-01	3.607E-01	3.850E-01			1.070E-04	1.002E-04	1.070E-04
2200 - 2300			3.045E-01	2.858E-01	3.045E-01			8.458E-05	7.933E-05	8.458E-05
2300 - 2400			3.214E-01	3.011E-01	3.214E-01			8.928E-05	8.365E-05	8.928E-05

Mei Lam Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	50	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	8			3.382E-01	3.112E-01	3.382E-01			1.353E-01	1.245E-01	1.353E-01
0100 - 0200	1			3.382E-01	3.112E-01	3.382E-01			1.691E-02	1.556E-02	1.691E-02
0200 - 0300	1			3.382E-01	3.112E-01	3.382E-01			1.691E-02	1.556E-02	1.691E-02
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	1			3.382E-01	3.112E-01	3.382E-01			1.691E-02	1.556E-02	1.691E-02
0500 - 0600	4			3.382E-01	3.112E-01	3.382E-01			6.764E-02	6.224E-02	6.764E-02
0600 - 0700	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
0700 - 0800	31			3.382E-01	3.112E-01	3.382E-01			5.242E-01	4.824E-01	5.242E-01
0800 - 0900	30			3.382E-01	3.112E-01	3.382E-01			5.073E-01	4.668E-01	5.073E-01
0900 - 1000	23			3.382E-01	3.112E-01	3.382E-01			3.889E-01	3.579E-01	3.889E-01
1000 - 1100	23			3.382E-01	3.112E-01	3.382E-01			3.889E-01	3.579E-01	3.889E-01
1100 - 1200	20			3.382E-01	3.112E-01	3.382E-01			3.382E-01	3.112E-01	3.382E-01
1200 - 1300	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
1300 - 1400	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
1400 - 1500	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
1500 - 1600	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
1600 - 1700	17			3.382E-01	3.112E-01	3.382E-01			2.875E-01	2.645E-01	2.875E-01
1700 - 1800	23			3.382E-01	3.112E-01	3.382E-01			3.889E-01	3.579E-01	3.889E-01
1800 - 1900	29			3.382E-01	3.112E-01	3.382E-01			4.904E-01	4.512E-01	4.904E-01
1900 - 2000	24			3.382E-01	3.112E-01	3.382E-01			4.058E-01	3.734E-01	4.058E-01
2000 - 2100	22			3.382E-01	3.112E-01	3.382E-01			3.720E-01	3.423E-01	3.720E-01
2100 - 2200	17			3.382E-01	3.112E-01	3.382E-01			2.875E-01	2.645E-01	2.875E-01
2200 - 2300	18			3.382E-01	3.112E-01	3.382E-01			3.044E-01	2.801E-01	3.044E-01
2300 - 2400	11			3.382E-01	3.112E-01	3.382E-01			1.860E-01	1.712E-01	1.860E-01

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	5			3.226E-03	3.226E-03	3.226E-03			1.613E-02	1.613E-02	1.613E-02
0100 - 0200	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0200 - 0300	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	1			3.226E-03	3.226E-03	3.226E-03			3.226E-03	3.226E-03	3.226E-03
0600 - 0700	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02
0700 - 0800	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
0800 - 0900	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
0900 - 1000	14			3.226E-03	3.226E-03	3.226E-03			4.516E-02	4.516E-02	4.516E-02
1000 - 1100	16			3.226E-03	3.226E-03	3.226E-03			5.161E-02	5.161E-02	5.161E-02
1100 - 1200	13			3.226E-03	3.226E-03	3.226E-03			4.194E-02	4.194E-02	4.194E-02
1200 - 1300	13			3.226E-03	3.226E-03	3.226E-03			4.194E-02	4.194E-02	4.194E-02
1300 - 1400	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
1400 - 1500	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
1500 - 1600	10			3.226E-03	3.226E-03	3.226E-03			3.226E-02	3.226E-02	3.226E-02
1600 - 1700	12			3.226E-03	3.226E-03	3.226E-03			3.871E-02	3.871E-02	3.871E-02
1700 - 1800	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
1800 - 1900	21			3.226E-03	3.226E-03	3.226E-03			6.774E-02	6.774E-02	6.774E-02
1900 - 2000	19			3.226E-03	3.226E-03	3.226E-03			6.129E-02	6.129E-02	6.129E-02
2000 - 2100	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
2100 - 2200	11			3.226E-03	3.226E-03	3.226E-03			3.548E-02	3.548E-02	3.548E-02
2200 - 2300	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
2300 - 2400	8			3.226E-03	3.226E-03	3.226E-03			2.581E-02	2.581E-02	2.581E-02

Mei Lam Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			1.708E-01	1.600E-01	1.708E-01			4.743E-05	4.443E-05	4.743E-05
0100 - 0200			2.336E-02	2.201E-02	2.336E-02			6.489E-06	6.114E-06	6.489E-06
0200 - 0300			2.014E-02	1.879E-02	2.014E-02			5.593E-06	5.218E-06	5.593E-06
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			2.336E-02	2.201E-02	2.336E-02			6.489E-06	6.114E-06	6.489E-06
0500 - 0600			9.022E-02	8.482E-02	9.022E-02			2.506E-05	2.356E-05	2.506E-05
0600 - 0700			3.947E-01	3.704E-01	3.947E-01			1.096E-04	1.029E-04	1.096E-04
0700 - 0800			6.694E-01	6.275E-01	6.694E-01			1.859E-04	1.743E-04	1.859E-04
0800 - 0900			6.460E-01	6.055E-01	6.460E-01			1.794E-04	1.682E-04	1.794E-04
0900 - 1000			4.922E-01	4.611E-01	4.922E-01			1.367E-04	1.281E-04	1.367E-04
1000 - 1100			4.857E-01	4.547E-01	4.857E-01			1.349E-04	1.263E-04	1.349E-04
1100 - 1200			4.253E-01	3.983E-01	4.253E-01			1.181E-04	1.106E-04	1.181E-04
1200 - 1300			3.786E-01	3.543E-01	3.786E-01			1.052E-04	9.841E-05	1.052E-04
1300 - 1400			3.850E-01	3.607E-01	3.850E-01			1.070E-04	1.002E-04	1.070E-04
1400 - 1500			3.850E-01	3.607E-01	3.850E-01			1.070E-04	1.002E-04	1.070E-04
1500 - 1600			3.883E-01	3.640E-01	3.883E-01			1.078E-04	1.011E-04	1.078E-04
1600 - 1700			3.584E-01	3.355E-01	3.584E-01			9.957E-05	9.319E-05	9.957E-05
1700 - 1800			4.889E-01	4.579E-01	4.889E-01			1.358E-04	1.272E-04	1.358E-04
1800 - 1900			6.097E-01	5.706E-01	6.097E-01			1.694E-04	1.585E-04	1.694E-04
1900 - 2000			4.994E-01	4.670E-01	4.994E-01			1.387E-04	1.297E-04	1.387E-04
2000 - 2100			4.591E-01	4.294E-01	4.591E-01			1.275E-04	1.193E-04	1.275E-04
2100 - 2200			3.617E-01	3.387E-01	3.617E-01			1.005E-04	9.409E-05	1.005E-04
2200 - 2300			3.721E-01	3.478E-01	3.721E-01			1.034E-04	9.662E-05	1.034E-04
2300 - 2400			2.312E-01	2.163E-01	2.312E-01			6.421E-05	6.009E-05	6.421E-05

Tai Wai Station Terminus (Bus)

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	390	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	16			3.382E-01	3.112E-01	3.382E-01			2.110E+00	1.942E+00	2.110E+00
0100 - 0200	3			3.382E-01	3.112E-01	3.382E-01			3.957E-01	3.641E-01	3.957E-01
0200 - 0300	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.382E-01	3.112E-01	3.382E-01			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	11			3.382E-01	3.112E-01	3.382E-01			1.451E+00	1.335E+00	1.451E+00
0600 - 0700	26			3.382E-01	3.112E-01	3.382E-01			3.429E+00	3.156E+00	3.429E+00
0700 - 0800	27			3.382E-01	3.112E-01	3.382E-01			3.561E+00	3.277E+00	3.561E+00
0800 - 0900	26			3.382E-01	3.112E-01	3.382E-01			3.429E+00	3.156E+00	3.429E+00
0900 - 1000	28			3.382E-01	3.112E-01	3.382E-01			3.693E+00	3.398E+00	3.693E+00
1000 - 1100	21			3.382E-01	3.112E-01	3.382E-01			2.770E+00	2.549E+00	2.770E+00
1100 - 1200	24			3.382E-01	3.112E-01	3.382E-01			3.166E+00	2.913E+00	3.166E+00
1200 - 1300	24			3.382E-01	3.112E-01	3.382E-01			3.166E+00	2.913E+00	3.166E+00
1300 - 1400	21			3.382E-01	3.112E-01	3.382E-01			2.770E+00	2.549E+00	2.770E+00
1400 - 1500	22			3.382E-01	3.112E-01	3.382E-01			2.902E+00	2.670E+00	2.902E+00
1500 - 1600	22			3.382E-01	3.112E-01	3.382E-01			2.902E+00	2.670E+00	2.902E+00
1600 - 1700	23			3.382E-01	3.112E-01	3.382E-01			3.034E+00	2.791E+00	3.034E+00
1700 - 1800	28			3.382E-01	3.112E-01	3.382E-01			3.693E+00	3.398E+00	3.693E+00
1800 - 1900	33			3.382E-01	3.112E-01	3.382E-01			4.353E+00	4.005E+00	4.353E+00
1900 - 2000	31			3.382E-01	3.112E-01	3.382E-01			4.089E+00	3.762E+00	4.089E+00
2000 - 2100	22			3.382E-01	3.112E-01	3.382E-01			2.902E+00	2.670E+00	2.902E+00
2100 - 2200	20			3.382E-01	3.112E-01	3.382E-01			2.638E+00	2.427E+00	2.638E+00
2200 - 2300	18			3.382E-01	3.112E-01	3.382E-01			2.374E+00	2.185E+00	2.374E+00
2300 - 2400	13			3.382E-01	3.112E-01	3.382E-01			1.715E+00	1.578E+00	1.715E+00

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
0100 - 0200	3			3.226E-03	3.226E-03	3.226E-03			9.678E-03	9.678E-03	9.678E-03
0200 - 0300	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			3.226E-03	3.226E-03	3.226E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	9			3.226E-03	3.226E-03	3.226E-03			2.903E-02	2.903E-02	2.903E-02
0600 - 0700	21			3.226E-03	3.226E-03	3.226E-03			6.774E-02	6.774E-02	6.774E-02
0700 - 0800	20			3.226E-03	3.226E-03	3.226E-03			6.452E-02	6.452E-02	6.452E-02
0800 - 0900	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
0900 - 1000	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
1000 - 1100	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
1100 - 1200	20			3.226E-03	3.226E-03	3.226E-03			6.452E-02	6.452E-02	6.452E-02
1200 - 1300	16			3.226E-03	3.226E-03	3.226E-03			5.161E-02	5.161E-02	5.161E-02
1300 - 1400	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
1400 - 1500	15			3.226E-03	3.226E-03	3.226E-03			4.839E-02	4.839E-02	4.839E-02
1500 - 1600	16			3.226E-03	3.226E-03	3.226E-03			5.161E-02	5.161E-02	5.161E-02
1600 - 1700	17			3.226E-03	3.226E-03	3.226E-03			5.484E-02	5.484E-02	5.484E-02
1700 - 1800	19			3.226E-03	3.226E-03	3.226E-03			6.129E-02	6.129E-02	6.129E-02
1800 - 1900	24			3.226E-03	3.226E-03	3.226E-03			7.742E-02	7.742E-02	7.742E-02
1900 - 2000	22			3.226E-03	3.226E-03	3.226E-03			7.097E-02	7.097E-02	7.097E-02
2000 - 2100	16			3.226E-03	3.226E-03	3.226E-03			5.161E-02	5.161E-02	5.161E-02
2100 - 2200	14			3.226E-03	3.226E-03	3.226E-03			4.516E-02	4.516E-02	4.516E-02
2200 - 2300	13			3.226E-03	3.226E-03	3.226E-03			4.194E-02	4.194E-02	4.194E-02
2300 - 2400	7			3.226E-03	3.226E-03	3.226E-03			2.258E-02	2.258E-02	2.258E-02

Tai Wai Station Terminus (Bus)

Total Hourly Emission

Hour	Emission Within PTI				
	Total Bus Emission (g)				
	(Running + Idling + Starting)				
	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			2.165E+00	1.997E+00	2.165E+00
0100 - 0200			4.054E-01	3.738E-01	4.054E-01
0200 - 0300			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			1.493E+00	1.377E+00	1.493E+00
0600 - 0700			3.529E+00	3.256E+00	3.529E+00
0700 - 0800			3.671E+00	3.387E+00	3.671E+00
0800 - 0900			3.542E+00	3.268E+00	3.542E+00
0900 - 1000			3.819E+00	3.524E+00	3.819E+00
1000 - 1100			2.857E+00	2.636E+00	2.857E+00
1100 - 1200			3.256E+00	3.003E+00	3.256E+00
1200 - 1300			3.269E+00	3.016E+00	3.269E+00
1300 - 1400			2.857E+00	2.636E+00	2.857E+00
1400 - 1500			2.995E+00	2.764E+00	2.995E+00
1500 - 1600			2.992E+00	2.760E+00	2.992E+00
1600 - 1700			3.127E+00	2.885E+00	3.127E+00
1700 - 1800			3.812E+00	3.518E+00	3.812E+00
1800 - 1900			4.488E+00	4.141E+00	4.488E+00
1900 - 2000			4.218E+00	3.891E+00	4.218E+00
2000 - 2100			2.992E+00	2.760E+00	2.992E+00
2100 - 2200			2.722E+00	2.511E+00	2.722E+00
2200 - 2300			2.448E+00	2.259E+00	2.448E+00
2300 - 2400			1.776E+00	1.639E+00	1.776E+00

Tai Wai Station Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI														
	Total PLB Emission (g) (Running + Idling + Starting)					Total Bus and PLB Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			8.426E-02	7.802E-02	8.426E-02			2.249E+00	2.075E+00	2.249E+00			6.249E-04	5.763E-04	6.249E-04
0100 - 0200			1.737E-02	1.612E-02	1.737E-02			4.227E-01	3.899E-01	4.227E-01			1.174E-04	1.083E-04	1.174E-04
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			3.474E-02	3.225E-02	3.474E-02			1.528E+00	1.409E+00	1.528E+00			4.243E-04	3.915E-04	4.243E-04
0600 - 0700			3.922E-01	3.623E-01	3.922E-01			3.922E+00	3.618E+00	3.922E+00			1.089E-03	1.005E-03	1.089E-03
0700 - 0800			7.697E-01	7.110E-01	7.697E-01			4.441E+00	4.098E+00	4.441E+00			1.234E-03	1.138E-03	1.234E-03
0800 - 0900			9.452E-01	8.728E-01	9.452E-01			4.487E+00	4.141E+00	4.487E+00			1.247E-03	1.150E-03	1.247E-03
0900 - 1000			8.327E-01	7.690E-01	8.327E-01			4.652E+00	4.293E+00	4.652E+00			1.292E-03	1.193E-03	1.292E-03
1000 - 1100			7.593E-01	7.006E-01	7.593E-01			3.616E+00	3.336E+00	3.616E+00			1.005E-03	9.268E-04	1.005E-03
1100 - 1200			7.858E-01	7.259E-01	7.858E-01			4.042E+00	3.729E+00	4.042E+00			1.123E-03	1.036E-03	1.123E-03
1200 - 1300			7.536E-01	6.962E-01	7.536E-01			4.022E+00	3.712E+00	4.022E+00			1.117E-03	1.031E-03	1.117E-03
1300 - 1400			7.845E-01	7.246E-01	7.845E-01			3.641E+00	3.360E+00	3.641E+00			1.012E-03	9.334E-04	1.012E-03
1400 - 1500			9.369E-01	8.658E-01	9.369E-01			3.932E+00	3.629E+00	3.932E+00			1.092E-03	1.008E-03	1.092E-03
1500 - 1600			9.434E-01	8.723E-01	9.434E-01			3.935E+00	3.633E+00	3.935E+00			1.093E-03	1.009E-03	1.093E-03
1600 - 1700			9.955E-01	9.207E-01	9.955E-01			4.123E+00	3.806E+00	4.123E+00			1.145E-03	1.057E-03	1.145E-03
1700 - 1800			9.782E-01	9.045E-01	9.782E-01			4.791E+00	4.422E+00	4.791E+00			1.331E-03	1.228E-03	1.331E-03
1800 - 1900			9.104E-01	8.406E-01	9.104E-01			5.399E+00	4.981E+00	5.399E+00			1.500E-03	1.384E-03	1.500E-03
1900 - 2000			9.452E-01	8.728E-01	9.452E-01			5.163E+00	4.764E+00	5.163E+00			1.434E-03	1.323E-03	1.434E-03
2000 - 2100			8.431E-01	7.794E-01	8.431E-01			3.835E+00	3.540E+00	3.835E+00			1.065E-03	9.833E-04	1.065E-03
2100 - 2200			7.215E-01	6.666E-01	7.215E-01			3.443E+00	3.178E+00	3.443E+00			9.565E-04	8.827E-04	9.565E-04
2200 - 2300			6.424E-01	5.937E-01	6.424E-01			3.091E+00	2.853E+00	3.091E+00			8.585E-04	7.924E-04	8.585E-04
2300 - 2400			4.708E-01	4.359E-01	4.708E-01			2.247E+00	2.075E+00	2.247E+00			6.241E-04	5.764E-04	6.241E-04

Tai Wai Station North Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			8.711E-03	8.327E-03	8.711E-03			2.420E-06	2.313E-06	2.420E-06
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			6.674E-03	6.418E-03	6.674E-03			1.854E-06	1.783E-06	1.854E-06
0600 - 0700			6.242E-02	5.858E-02	6.242E-02			1.734E-05	1.627E-05	1.734E-05
0700 - 0800			1.145E-01	1.077E-01	1.145E-01			3.180E-05	2.991E-05	3.180E-05
0800 - 0900			1.106E-01	1.038E-01	1.106E-01			3.072E-05	2.883E-05	3.072E-05
0900 - 1000			9.818E-02	9.242E-02	9.818E-02			2.727E-05	2.567E-05	2.727E-05
1000 - 1100			7.854E-02	7.393E-02	7.854E-02			2.182E-05	2.054E-05	2.182E-05
1100 - 1200			6.575E-02	6.179E-02	6.575E-02			1.827E-05	1.716E-05	1.827E-05
1200 - 1300			6.835E-02	6.439E-02	6.835E-02			1.899E-05	1.789E-05	1.899E-05
1300 - 1400			5.964E-02	5.606E-02	5.964E-02			1.657E-05	1.557E-05	1.657E-05
1400 - 1500			7.689E-02	7.279E-02	7.689E-02			2.136E-05	2.022E-05	2.136E-05
1500 - 1600			8.416E-02	8.084E-02	8.416E-02			2.338E-05	2.245E-05	2.338E-05
1600 - 1700			1.016E-01	9.749E-02	1.016E-01			2.822E-05	2.708E-05	2.822E-05
1700 - 1800			1.240E-01	1.185E-01	1.240E-01			3.444E-05	3.291E-05	3.444E-05
1800 - 1900			1.265E-01	1.192E-01	1.265E-01			3.514E-05	3.312E-05	3.514E-05
1900 - 2000			1.136E-01	1.072E-01	1.136E-01			3.154E-05	2.977E-05	3.154E-05
2000 - 2100			1.262E-01	1.213E-01	1.262E-01			3.507E-05	3.368E-05	3.507E-05
2100 - 2200			9.639E-02	9.229E-02	9.639E-02			2.677E-05	2.564E-05	2.677E-05
2200 - 2300			8.880E-02	8.534E-02	8.880E-02			2.467E-05	2.371E-05	2.467E-05
2300 - 2400			5.543E-02	5.325E-02	5.543E-02			1.540E-05	1.479E-05	1.540E-05

Sunking Industrial Building Carpark

Running Emission - Terminating and Bypass HGVs

Average Travelling Distance within Parking Site =	190	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Heavy Goods Vehicle >15t									
		Running Emission Factor (g/km-vehicle)					Running Emission Within Parking Site (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1			2.325E-01	2.139E-01	2.325E-01			4.418E-02	4.064E-02	4.418E-02
0100 - 0200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0200 - 0300	1			2.325E-01	2.139E-01	2.325E-01			4.418E-02	4.064E-02	4.418E-02
0300 - 0400	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0800 - 0900	3			2.325E-01	2.139E-01	2.325E-01			1.325E-01	1.219E-01	1.325E-01
0900 - 1000	7			2.325E-01	2.139E-01	2.325E-01			3.092E-01	2.845E-01	3.092E-01
1000 - 1100	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1100 - 1200	6			2.325E-01	2.139E-01	2.325E-01			2.651E-01	2.438E-01	2.651E-01
1200 - 1300	3			2.325E-01	2.139E-01	2.325E-01			1.325E-01	1.219E-01	1.325E-01
1300 - 1400	3			2.325E-01	2.139E-01	2.325E-01			1.325E-01	1.219E-01	1.325E-01
1400 - 1500	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1500 - 1600	6			2.325E-01	2.139E-01	2.325E-01			2.651E-01	2.438E-01	2.651E-01
1600 - 1700	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00

Idling Emission - Bypass HGVs

Idling Time for Bypass HGVs =	2	min
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Hour	Frequency	Heavy Goods Vehicle >15t									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0800 - 0900	1			1.630E-03	1.630E-03	1.630E-03			3.260E-03	3.260E-03	3.260E-03
0900 - 1000	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1000 - 1100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1100 - 1200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1200 - 1300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1300 - 1400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1400 - 1500	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1500 - 1600	1			1.630E-03	1.630E-03	1.630E-03			3.260E-03	3.260E-03	3.260E-03
1600 - 1700	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00

Sunking Industrial Building Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			4.418E-02	4.064E-02	4.418E-02			1.227E-05	1.129E-05	1.227E-05
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			4.418E-02	4.064E-02	4.418E-02			1.227E-05	1.129E-05	1.227E-05
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0600 - 0700			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0700 - 0800			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0800 - 0900			1.358E-01	1.252E-01	1.358E-01			3.772E-05	3.477E-05	3.772E-05
0900 - 1000			3.092E-01	2.845E-01	3.092E-01			8.590E-05	7.902E-05	8.590E-05
1000 - 1100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1100 - 1200			2.651E-01	2.438E-01	2.651E-01			7.363E-05	6.774E-05	7.363E-05
1200 - 1300			1.325E-01	1.219E-01	1.325E-01			3.681E-05	3.387E-05	3.681E-05
1300 - 1400			1.325E-01	1.219E-01	1.325E-01			3.681E-05	3.387E-05	3.681E-05
1400 - 1500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1500 - 1600			2.683E-01	2.471E-01	2.683E-01			7.453E-05	6.864E-05	7.453E-05
1600 - 1700			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1700 - 1800			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1800 - 1900			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1900 - 2000			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2000 - 2100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2100 - 2200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2200 - 2300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2300 - 2400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00

Jat Min Estate Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			4.185E-02	3.850E-02	4.185E-02			1.163E-05	1.070E-05	1.163E-05
0300 - 0400			4.185E-02	3.850E-02	4.185E-02			1.163E-05	1.070E-05	1.163E-05
0400 - 0500			4.185E-02	3.850E-02	4.185E-02			1.163E-05	1.070E-05	1.163E-05
0500 - 0600			4.185E-02	3.850E-02	4.185E-02			1.163E-05	1.070E-05	1.163E-05
0600 - 0700			4.511E-02	4.176E-02	4.511E-02			1.253E-05	1.160E-05	1.253E-05
0700 - 0800			8.370E-02	7.700E-02	8.370E-02			2.325E-05	2.139E-05	2.325E-05
0800 - 0900			1.256E-01	1.155E-01	1.256E-01			3.488E-05	3.209E-05	3.488E-05
0900 - 1000			9.985E-02	9.187E-02	9.985E-02			2.774E-05	2.552E-05	2.774E-05
1000 - 1100			1.256E-01	1.155E-01	1.256E-01			3.488E-05	3.209E-05	3.488E-05
1100 - 1200			3.381E-01	3.113E-01	3.381E-01			9.391E-05	8.647E-05	9.391E-05
1200 - 1300			2.093E-01	1.925E-01	2.093E-01			5.813E-05	5.348E-05	5.813E-05
1300 - 1400			1.256E-01	1.155E-01	1.256E-01			3.488E-05	3.209E-05	3.488E-05
1400 - 1500			2.511E-01	2.310E-01	2.511E-01			6.975E-05	6.417E-05	6.975E-05
1500 - 1600			1.674E-01	1.540E-01	1.674E-01			4.650E-05	4.278E-05	4.650E-05
1600 - 1700			6.146E-02	5.683E-02	6.146E-02			1.707E-05	1.579E-05	1.707E-05
1700 - 1800			4.185E-02	3.850E-02	4.185E-02			1.163E-05	1.070E-05	1.163E-05
1800 - 1900			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1900 - 2000			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2000 - 2100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2100 - 2200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2200 - 2300			8.370E-02	7.700E-02	8.370E-02			2.325E-05	2.139E-05	2.325E-05
2300 - 2400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00

Man Lam Road Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0600 - 0700			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0700 - 0800			8.835E-02	8.128E-02	8.835E-02			2.454E-05	2.258E-05	2.454E-05
0800 - 0900			8.835E-02	8.128E-02	8.835E-02			2.454E-05	2.258E-05	2.454E-05
0900 - 1000			4.418E-02	4.064E-02	4.418E-02			1.227E-05	1.129E-05	1.227E-05
1000 - 1100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1100 - 1200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1200 - 1300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1300 - 1400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1400 - 1500			4.418E-02	4.064E-02	4.418E-02			1.227E-05	1.129E-05	1.227E-05
1500 - 1600			1.054E-01	9.698E-02	1.054E-01			2.928E-05	2.694E-05	2.928E-05
1600 - 1700			4.418E-02	4.064E-02	4.418E-02			1.227E-05	1.129E-05	1.227E-05
1700 - 1800			8.835E-02	8.128E-02	8.835E-02			2.454E-05	2.258E-05	2.454E-05
1800 - 1900			1.704E-02	1.569E-02	1.704E-02			4.734E-06	4.359E-06	4.734E-06
1900 - 2000			4.418E-02	4.064E-02	4.418E-02			1.227E-05	1.129E-05	1.227E-05
2000 - 2100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2100 - 2200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2200 - 2300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2300 - 2400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00

Shing Chuen Industrial Building Carpark

Running Emission - Terminating and Bypass HGVs

Average Travelling Distance within Parking Site =	70	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Heavy Goods Vehicle >15t									
		Running Emission Factor (g/km-vehicle)					Running Emission Within Parking Site (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	1			2.325E-01	2.139E-01	2.325E-01			1.628E-02	1.497E-02	1.628E-02
0700 - 0800	1			2.325E-01	2.139E-01	2.325E-01			1.628E-02	1.497E-02	1.628E-02
0800 - 0900	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0900 - 1000	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1000 - 1100	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1100 - 1200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1200 - 1300	1			2.325E-01	2.139E-01	2.325E-01			1.628E-02	1.497E-02	1.628E-02
1300 - 1400	4			2.325E-01	2.139E-01	2.325E-01			6.510E-02	5.989E-02	6.510E-02
1400 - 1500	3			2.325E-01	2.139E-01	2.325E-01			4.883E-02	4.492E-02	4.883E-02
1500 - 1600	1			2.325E-01	2.139E-01	2.325E-01			1.628E-02	1.497E-02	1.628E-02
1600 - 1700	2			2.325E-01	2.139E-01	2.325E-01			3.255E-02	2.995E-02	3.255E-02
1700 - 1800	1			2.325E-01	2.139E-01	2.325E-01			1.628E-02	1.497E-02	1.628E-02
1800 - 1900	2			2.325E-01	2.139E-01	2.325E-01			3.255E-02	2.995E-02	3.255E-02
1900 - 2000	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00

Idling Emission - Bypass HGVs

Idling Time for Bypass HGVs =	2	min
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Hour	Frequency	Heavy Goods Vehicle >15t									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0800 - 0900	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0900 - 1000	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1000 - 1100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1100 - 1200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1200 - 1300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1300 - 1400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1400 - 1500	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1500 - 1600	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1600 - 1700	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00

Shing Chuen Industrial Building Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0600 - 0700			1.628E-02	1.497E-02	1.628E-02			4.521E-06	4.159E-06	4.521E-06
0700 - 0800			1.628E-02	1.497E-02	1.628E-02			4.521E-06	4.159E-06	4.521E-06
0800 - 0900			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0900 - 1000			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1000 - 1100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1100 - 1200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1200 - 1300			1.628E-02	1.497E-02	1.628E-02			4.521E-06	4.159E-06	4.521E-06
1300 - 1400			6.510E-02	5.989E-02	6.510E-02			1.808E-05	1.664E-05	1.808E-05
1400 - 1500			4.883E-02	4.492E-02	4.883E-02			1.356E-05	1.248E-05	1.356E-05
1500 - 1600			1.628E-02	1.497E-02	1.628E-02			4.521E-06	4.159E-06	4.521E-06
1600 - 1700			3.255E-02	2.995E-02	3.255E-02			9.042E-06	8.318E-06	9.042E-06
1700 - 1800			1.628E-02	1.497E-02	1.628E-02			4.521E-06	4.159E-06	4.521E-06
1800 - 1900			3.255E-02	2.995E-02	3.255E-02			9.042E-06	8.318E-06	9.042E-06
1900 - 2000			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2000 - 2100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2100 - 2200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2200 - 2300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2300 - 2400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00

Hilton Plaza Carpark

Running Emission - Terminating and Bypass HGVs

Average Travelling Distance within Parking Site =	140	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Heavy Goods Vehicle >15t									
		Running Emission Factor (g/km-vehicle)					Running Emission Within Parking Site (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
0800 - 0900	1			2.325E-01	2.139E-01	2.325E-01			3.255E-02	2.995E-02	3.255E-02
0900 - 1000	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1000 - 1100	1			2.325E-01	2.139E-01	2.325E-01			3.255E-02	2.995E-02	3.255E-02
1100 - 1200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1200 - 1300	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1300 - 1400	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1400 - 1500	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1500 - 1600	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1600 - 1700	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0			2.325E-01	2.139E-01	2.325E-01			0.000E+00	0.000E+00	0.000E+00

Idling Emission - Bypass HGVs

Idling Time for Bypass HGVs =	2	min
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Hour	Frequency	Heavy Goods Vehicle >15t									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0600 - 0700	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0800 - 0900	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
0900 - 1000	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1000 - 1100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1100 - 1200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1200 - 1300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1300 - 1400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1400 - 1500	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1500 - 1600	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1600 - 1700	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0			1.630E-03	1.630E-03	1.630E-03			0.000E+00	0.000E+00	0.000E+00

Hilton Plaza Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0100 - 0200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0200 - 0300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0300 - 0400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0400 - 0500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0500 - 0600			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0600 - 0700			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0700 - 0800			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
0800 - 0900			3.255E-02	2.995E-02	3.255E-02			9.042E-06	8.318E-06	9.042E-06
0900 - 1000			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1000 - 1100			3.255E-02	2.995E-02	3.255E-02			9.042E-06	8.318E-06	9.042E-06
1100 - 1200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1200 - 1300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1300 - 1400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1400 - 1500			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1500 - 1600			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1600 - 1700			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1700 - 1800			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1800 - 1900			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
1900 - 2000			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2000 - 2100			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2100 - 2200			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2200 - 2300			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00
2300 - 2400			0.000E+00	0.000E+00	0.000E+00			0.000E+00	0.000E+00	0.000E+00

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2028)

Bus Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Szinitt	Max. Hourly Emission Rate												
	ID		(m)	(m)									(mAG)	(K)	(m/s)	(m)	(m)	(m)	(degree)	(m)	NO	NO ₂	RSP	FSP	TSP
	(g/s) or (g/m ² /s)																								
Shing Chuen Industrial Building Carpark	PTI2101	AREAPOLY	836713.9	826275.0	5.00									1.032E-06	2.717E-07	4.628E-08	4.258E-08								
			836733.8	826287.7																					
			836724.4	826302.8																					
			836708.7	826293.1																					
			836707.6	826294.8																					
			836725.1	826305.6																					
			836736.6	826287.1																					
			836715.0	826273.3																					
			836713.9	826275.0															7.00						
	836733.8	826287.7																							
	836724.4	826302.8																							
	836708.7	826293.1																							
	836707.6	826294.8																							
	836725.1	826305.6																							
	836736.6	826287.1																							
	836715.0	826273.3																							
	836713.9	826275.0	9.00											1.032E-06	2.717E-07	4.628E-08	4.258E-08								
	836733.8	826287.7																							
	836724.4	826302.8																							
	836708.7	826293.1																							
	836707.6	826294.8																							
	836725.1	826305.6																							
	836736.6	826287.1																							
	836715.0	826273.3																							
	Hilton Plaza Carpark	PTI2201																	AREA	837309.5	826641.7	0.00	-	-	-
		PTI2202	AREA	837309.5	826641.7	2.00	-	-	-	2.0	9.3	75.6	-	1.340E-06	3.111E-07	3.712E-08	3.416E-08								
		PTI2203	AREA	837309.5	826641.7	4.00	-	-	-	2.0	9.3	75.6	-	1.340E-06	3.111E-07	3.712E-08	3.416E-08								
PTI2204		AREA	837268.2	826711.9	0.00	-	-	-	30.7	2.0	75.8	-	1.340E-06	3.111E-07	3.712E-08	3.416E-08									
PTI2205		AREA	837268.2	826711.9	2.00	-	-	-	30.7	2.0	75.8	-	1.340E-06	3.111E-07	3.712E-08	3.416E-08									
PTI2206		AREA	837268.2	826711.9	4.00	-	-	-	30.7	2.0	75.8	-	1.340E-06	3.111E-07	3.712E-08	3.416E-08									

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2028)

Bus Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Sznit	Max. Hourly Emission Rate						
													NO	NO ₂	RSP	FSP	TSP		
	ID	(m)	(m)	(mAG)	(K)	(m/s)	(m)	(m)	(m)	(degree)	(m)	(g/s) or (g/m ³ /s)							
Sha Tin Station Terminus (Minibus - Diesel)	SE201	AREAPOLY	837447.7	827324.1	2.6	-	-	-	-	-	-	-	2.37	6.118E-08	2.379E-08	0.000E+00	0.000E+00		
			837425.0	827295.9	2.6	-	-	-	-	-	-	-	-						2.37
			837407.1	827275.5	2.6	-	-	-	-	-	-	-	-						2.37
			837400.7	827260.2	2.6	-	-	-	-	-	-	-	-						2.37
			837399.7	827234.9	2.6	-	-	-	-	-	-	-	-						2.37
			837403.6	827215.8	2.6	-	-	-	-	-	-	-	-						2.37
			837413.2	827176.1	2.6	-	-	-	-	-	-	-	-						2.37
			837402.0	827160.1	2.6	-	-	-	-	-	-	-	-						2.37
			837401.1	827171.7	2.6	-	-	-	-	-	-	-	-						2.37
			837397.5	827189.3	2.6	-	-	-	-	-	-	-	-						2.37
			837387.7	827233.0	2.6	-	-	-	-	-	-	-	-						2.37
			837386.6	827246.2	2.6	-	-	-	-	-	-	-	-						2.37
			837388.2	827265.1	2.6	-	-	-	-	-	-	-	-						2.37
			837395.5	827282.3	2.6	-	-	-	-	-	-	-	-						2.37
			837408.6	827298.2	2.6	-	-	-	-	-	-	-	-						2.37
			837439.8	827331.2	2.6	-	-	-	-	-	-	-	-						2.37
			837447.6	827324.1	2.6	-	-	-	-	-	-	-	-						2.37
			837434.1	827336.3	2.6	-	-	-	-	-	-	-	-						2.37
			837450.3	827353.4	2.6	-	-	-	-	-	-	-	-						2.37
			837464.1	827362.4	2.6	-	-	-	-	-	-	-	-						2.37
			837479.6	827366.6	2.6	-	-	-	-	-	-	-	-						2.37
	837501.1	827363.2	2.6	-	-	-	-	-	-	-	-	2.37							
	837511.1	827366.9	2.6	-	-	-	-	-	-	-	-	2.37							
	837553.1	827319.6	2.6	-	-	-	-	-	-	-	-	2.37							
	837567.2	827307.2	2.6	-	-	-	-	-	-	-	-	2.37							
	837556.3	827295.3	2.6	-	-	-	-	-	-	-	-	2.37							
	837505.7	827339.7	2.6	-	-	-	-	-	-	-	-	2.37							
	837490.4	827347.5	2.6	-	-	-	-	-	-	-	-	2.37							
	837477.2	827347.6	2.6	-	-	-	-	-	-	-	-	2.37							
	837462.4	827339.3	2.6	-	-	-	-	-	-	-	-	2.37							
	837615.5	827242.6	2.6	-	-	-	-	-	-	-	-	2.37							
	837556.3	827295.3	2.6	-	-	-	-	-	-	-	-	2.37							
	837567.2	827307.2	2.6	-	-	-	-	-	-	-	-	2.37							
	837767.5	827131.2	2.6	-	-	-	-	-	-	-	-	2.37							
	837755.7	827118.3	2.6	-	-	-	-	-	-	-	-	2.37							
	837561.3	827318.3	2.6	-	-	-	-	-	-	-	-	2.37							
	837614.5	827386.4	2.6	-	-	-	-	-	-	-	-	2.37							
	837646.7	827424.8	2.6	-	-	-	-	-	-	-	-	2.37							
	837678.4	827460.1	2.6	-	-	-	-	-	-	-	-	2.37							
	837687.4	827452.0	2.6	-	-	-	-	-	-	-	-	2.37							
	837651.9	827411.5	2.6	-	-	-	-	-	-	-	-	2.37							
	837567.5	827302.9	2.6	-	-	-	-	-	-	-	-	2.37							
	837556.3	827312.8	2.6	-	-	-	-	-	-	-	-	2.37							
	837694.8	827445.3	2.6	-	-	-	-	-	-	-	-	2.37							
	837678.4	827460.1	2.6	-	-	-	-	-	-	-	-	2.37							
	837705.3	827490.3	2.6	-	-	-	-	-	-	-	-	2.37							
	837727.4	827515.8	2.6	-	-	-	-	-	-	-	-	2.37							
	837740.0	827505.5	2.6	-	-	-	-	-	-	-	-	2.37							
	837725.2	827486.8	2.6	-	-	-	-	-	-	-	-	2.37							
	837703.7	827458.1	2.6	-	-	-	-	-	-	-	-	2.37							
														2.300E-08	8.943E-09	0.000E+00	0.000E+00		

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2028)

Bus Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Sznit	Max. Hourly Emission Rate							
													NO	NO ₂	RSP	FSP	TSP			
	ID	(m)	(m)	(mAG)	(K)	(m/s)	(m)	(m)	(m)	(m)	(m)	(m)	(g/s) or (g/m ² /s)							
Shui Chuen O Terminus (Bus)	SE713	AREAPOLY	838517.1	825959.9	3.9	-	-	-	-	-	-	-	3.64	4.193E-07	2.978E-08	0.000E+00	0.000E+00			
			838515.1	825907.2	3.9	-	-	-	-	-	-	-	-							3.64
			838510.7	825813.3	3.9	-	-	-	-	-	-	-	-							3.64
			838511.9	825793.5	3.9	-	-	-	-	-	-	-	-							3.64
			838509.6	825773.4	3.9	-	-	-	-	-	-	-	-							3.64
			838500.0	825748.6	3.9	-	-	-	-	-	-	-	-							3.64
			838481.3	825725.0	3.9	-	-	-	-	-	-	-	-							3.64
			838449.7	825711.3	3.9	-	-	-	-	-	-	-	-							3.64
			838445.4	825722.6	3.9	-	-	-	-	-	-	-	-							3.64
			838474.9	825733.9	3.9	-	-	-	-	-	-	-	-							3.64
			838490.6	825753.5	3.9	-	-	-	-	-	-	-	-							3.64
			838498.4	825775.4	3.9	-	-	-	-	-	-	-	-							3.64
			838500.1	825813.8	3.9	-	-	-	-	-	-	-	-							3.64
			838504.8	825907.6	3.9	-	-	-	-	-	-	-	-							3.64
			838506.7	825968.5	3.9	-	-	-	-	-	-	-	-							3.64
			838449.7	825711.3	3.9	-	-	-	-	-	-	-	-							3.64
			838433.1	825704.3	3.9	-	-	-	-	-	-	-	-							3.64
			838425.4	825696.6	3.9	-	-	-	-	-	-	-	-							3.64
			838412.1	825690.9	3.9	-	-	-	-	-	-	-	-							3.64
			838407.6	825707.2	3.9	-	-	-	-	-	-	-	-							3.64
	838413.7	825709.0	3.9	-	-	-	-	-	-	-	-	3.64								
	838428.7	825717.4	3.9	-	-	-	-	-	-	-	-	3.64								
	838433.4	825719.8	3.9	-	-	-	-	-	-	-	-	3.64								
	838445.4	825722.6	3.9	-	-	-	-	-	-	-	-	3.64								
	838403.5	826038.3	3.9	-	-	-	-	-	-	-	-	3.64								
	838403.5	826025.1	3.9	-	-	-	-	-	-	-	-	3.64								
	838386.8	826022.2	3.9	-	-	-	-	-	-	-	-	3.64								
	838371.6	826018.1	3.9	-	-	-	-	-	-	-	-	3.64								
	838357.9	826011.3	3.9	-	-	-	-	-	-	-	-	3.64								
	838339.2	825994.2	3.9	-	-	-	-	-	-	-	-	3.64								
	838327.2	825974.0	3.9	-	-	-	-	-	-	-	-	3.64								
	838315.1	825946.4	3.9	-	-	-	-	-	-	-	-	3.64								
	838305.1	825929.8	3.9	-	-	-	-	-	-	-	-	3.64								
	838296.6	825936.3	3.9	-	-	-	-	-	-	-	-	3.64								
	838306.1	825951.3	3.9	-	-	-	-	-	-	-	-	3.64								
	838318.3	825978.4	3.9	-	-	-	-	-	-	-	-	3.64								
	838331.4	826000.3	3.9	-	-	-	-	-	-	-	-	3.64								
	838352.1	826019.9	3.9	-	-	-	-	-	-	-	-	3.64								
	838393.3	826037.2	3.9	-	-	-	-	-	-	-	-	3.64								
	838296.6	825936.3	3.9	-	-	-	-	-	-	-	-	3.64								
	838305.1	825929.8	3.9	-	-	-	-	-	-	-	-	3.64								
	838290.5	825917.0	3.9	-	-	-	-	-	-	-	-	3.64								
	838276.3	825911.1	3.9	-	-	-	-	-	-	-	-	3.64								
	838257.4	825909.5	3.9	-	-	-	-	-	-	-	-	3.64								
	838216.6	825921.4	3.9	-	-	-	-	-	-	-	-	3.64								
	838195.5	825938.5	3.9	-	-	-	-	-	-	-	-	3.64								
	838189.6	825964.2	3.9	-	-	-	-	-	-	-	-	3.64								
	838188.6	825973.9	3.9	-	-	-	-	-	-	-	-	3.64								
	838198.4	825974.3	3.9	-	-	-	-	-	-	-	-	3.64								
	838200.5	825966.8	3.9	-	-	-	-	-	-	-	-	3.64								
	838205.5	825944.5	3.9	-	-	-	-	-	-	-	-	3.64								
	838221.5	825930.9	3.9	-	-	-	-	-	-	-	-	3.64								
	838258.7	825920.5	3.9	-	-	-	-	-	-	-	-	3.64								
	838273.9	825921.7	3.9	-	-	-	-	-	-	-	-	3.64								
	838285.0	825926.3	3.9	-	-	-	-	-	-	-	-	3.64								
														2.743E-07	1.948E-08	0.000E+00	0.000E+00			
														3.080E-07	2.188E-08	0.000E+00	0.000E+00			
														2.498E-07	1.774E-08	0.000E+00	0.000E+00			

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2028)

Bus Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Sznit	Max. Hourly Emission Rate														
	ID		(m)	(m)									(mAG)	(K)	(m/s)	(m)	(m)	(m)	(degree)	(m)	NO	NO ₂	RSP	FSP	TSP		
			(g/s) or (g/m ² /s)																								
Shui Chuen O Terminus (Bus)	SE723	AREAPOLY	838188.6	825973.9	3.9	-	-	-	-	-	-	-	3.64	2.988E-07	2.122E-08	0.000E+00	0.000E+00										
			838187.1	826022.2	3.9	-	-	-	-	-	-	-	-						3.64								
			838190.0	826042.5	3.9	-	-	-	-	-	-	-	-						3.64								
			838198.7	826070.6	3.9	-	-	-	-	-	-	-	-						3.64								
			838202.8	826090.0	3.9	-	-	-	-	-	-	-	-						3.64								
			838204.8	826141.5	3.9	-	-	-	-	-	-	-	-						3.64								
			838213.9	826141.2	3.9	-	-	-	-	-	-	-	-						3.64								
			838211.7	826089.3	3.9	-	-	-	-	-	-	-	-						3.64								
			838208.4	826068.5	3.9	-	-	-	-	-	-	-	-						3.64								
			838199.6	826040.4	3.9	-	-	-	-	-	-	-	-						3.64								
			838197.0	826021.7	3.9	-	-	-	-	-	-	-	-						3.64								
			838198.4	825974.3	3.9	-	-	-	-	-	-	-	-						3.64								
			Shui Chuen O Terminus (Minibus - Diesel)	SE801	AREAPOLY	838477.9	826169.3	2.6	-	-	-	-	-						-	-	2.37	2.258E-08	8.782E-09	0.000E+00	0.000E+00		
						838478.1	826163.2	2.6	-	-	-	-	-						-	-	-						2.37
						838469.7	826108.0	2.6	-	-	-	-	-						-	-	-						2.37
838467.1	826093.7	2.6				-	-	-	-	-	-	-	-	2.37													
838454.1	826096.2	2.6				-	-	-	-	-	-	-	-	2.37													
838456.6	826106.0	2.6				-	-	-	-	-	-	-	-	2.37													
838459.2	826114.2	2.6				-	-	-	-	-	-	-	-	2.37													
838462.9	826134.9	2.6				-	-	-	-	-	-	-	-	2.37													
838464.3	826142.3	2.6				-	-	-	-	-	-	-	-	2.37													
838460.9	826147.4	2.6				-	-	-	-	-	-	-	-	2.37													
838464.9	826097.2	2.6				-	-	-	-	-	-	-	-	2.37													
838461.6	826084.4	2.6				-	-	-	-	-	-	-	-	2.37													
838455.0	826086.5	2.6				-	-	-	-	-	-	-	-	2.37													
838432.6	826088.2	2.6				-	-	-	-	-	-	-	-	2.37													
838412.8	826079.5	2.6				-	-	-	-	-	-	-	-	2.37													
838401.6	826061.0	2.6		-	-	-	-	-	-	-	-	2.37															
838400.9	826054.1	2.6		-	-	-	-	-	-	-	-	2.37															
838404.9	826045.1	2.6		-	-	-	-	-	-	-	-	2.37															
838406.5	826035.7	2.6		-	-	-	-	-	-	-	-	2.37															
838391.0	826034.0	2.6		-	-	-	-	-	-	-	-	2.37															
838388.0	826063.1	2.6		-	-	-	-	-	-	-	-	2.37															
838389.1	826065.0	2.6		-	-	-	-	-	-	-	-	2.37															
838401.9	826087.8	2.6		-	-	-	-	-	-	-	-	2.37															
838431.0	826102.4	2.6		-	-	-	-	-	-	-	-	2.37															
838457.5	826098.6	2.6		-	-	-	-	-	-	-	-	2.37															
838403.5	826038.3	2.6		-	-	-	-	-	-	-	-	2.37															
838403.5	826025.1	2.6		-	-	-	-	-	-	-	-	2.37															
838386.8	826022.2	2.6		-	-	-	-	-	-	-	-	2.37															
838371.6	826018.1	2.6		-	-	-	-	-	-	-	-	2.37															
838357.9	826011.3	2.6		-	-	-	-	-	-	-	-	2.37															
838339.2	825994.2	2.6		-	-	-	-	-	-	-	-	2.37															
838327.2	825974.0	2.6		-	-	-	-	-	-	-	-	2.37															
838315.1	825946.4	2.6		-	-	-	-	-	-	-	-	2.37															
838305.1	825929.8	2.6		-	-	-	-	-	-	-	-	2.37															
838296.6	825936.3	2.6		-	-	-	-	-	-	-	-	2.37															
838306.1	825951.3	2.6		-	-	-	-	-	-	-	-	2.37															
838318.3	825978.4	2.6		-	-	-	-	-	-	-	-	2.37															
838331.4	826000.3	2.6		-	-	-	-	-	-	-	-	2.37															
838352.1	826019.9	2.6		-	-	-	-	-	-	-	-	2.37															
838393.3	826037.2	2.6		-	-	-	-	-	-	-	-	2.37															

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2028)

Bus Terminus	Source	Type	X (m)	Y (m)	Release Height (mAG)	Exit Temperature (K)	Exit Velocity (m/s)	Stack Diameter (m)	Length of X Side (m)	Length of Y Side (m)	Angle (degree)	Szinit (m)	Max. Hourly Emission Rate (g/s) or (g/m ² /s)						
	ID												NO	NO ₂	RSP	FSP	TSP		
Shui Chuen O Terminus (Minibus - Diesel)	SE804	AREAPOLY	838296.6	825936.3	2.6	-	-	-	-	-	-	-	2.37	2.401E-08	9.338E-09	0.000E+00	0.000E+00		
			838305.1	825929.8	2.6	-	-	-	-	-	-	-	-						2.37
			838290.5	825917.0	2.6	-	-	-	-	-	-	-	-						2.37
			838276.3	825911.1	2.6	-	-	-	-	-	-	-	-						2.37
			838257.4	825909.5	2.6	-	-	-	-	-	-	-	-						2.37
			838216.6	825921.4	2.6	-	-	-	-	-	-	-	-						2.37
			838195.5	825938.5	2.6	-	-	-	-	-	-	-	-						2.37
			838189.6	825954.2	2.6	-	-	-	-	-	-	-	-						2.37
			838188.6	825973.9	2.6	-	-	-	-	-	-	-	-						2.37
			838198.4	825974.3	2.6	-	-	-	-	-	-	-	-						2.37
			838200.5	825966.8	2.6	-	-	-	-	-	-	-	-						2.37
			838205.5	825944.5	2.6	-	-	-	-	-	-	-	-						2.37
			838221.5	825930.9	2.6	-	-	-	-	-	-	-	-						2.37
			838258.7	825920.5	2.6	-	-	-	-	-	-	-	-						2.37
			838273.9	825921.7	2.6	-	-	-	-	-	-	-	-						2.37
			838285.0	825926.3	2.6	-	-	-	-	-	-	-	-						2.37
			838188.6	825973.9	2.6	-	-	-	-	-	-	-	-						2.37
			SE805	AREAPOLY	838187.1	826022.2	2.6	-	-	-	-	-	-						-
	838190.0	826042.5			2.6	-	-	-	-	-	-	-	2.37						
	838198.7	826070.6			2.6	-	-	-	-	-	-	-	2.37						
	838202.8	826090.0			2.6	-	-	-	-	-	-	-	2.37						
	838204.8	826141.5			2.6	-	-	-	-	-	-	-	2.37						
	838213.9	826141.2			2.6	-	-	-	-	-	-	-	2.37						
	838211.7	826089.3			2.6	-	-	-	-	-	-	-	2.37						
	838208.4	826068.5			2.6	-	-	-	-	-	-	-	2.37						
	838199.6	826040.4			2.6	-	-	-	-	-	-	-	2.37						
	838197.0	826021.7			2.6	-	-	-	-	-	-	-	2.37						
	838198.4	825974.3			2.6	-	-	-	-	-	-	-	2.37						
Shui Chuen O Terminus (Minibus - LPG)	SE901	AREAPOLY			838477.9	826159.3	2.6	-	-	-	-	-	-	-	2.37	7.818E-07	4.133E-09	0.000E+00	0.000E+00
			838478.1	826153.2	2.6	-	-	-	-	-	-	-	2.37						
			838469.7	826108.0	2.6	-	-	-	-	-	-	-	2.37						
			838467.1	826093.7	2.6	-	-	-	-	-	-	-	2.37						
			838454.1	826096.2	2.6	-	-	-	-	-	-	-	2.37						
			838456.6	826106.0	2.6	-	-	-	-	-	-	-	2.37						
			838459.2	826114.2	2.6	-	-	-	-	-	-	-	2.37						
			838462.9	826134.9	2.6	-	-	-	-	-	-	-	2.37						
	SE902	AREAPOLY	838464.3	826142.3	2.6	-	-	-	-	-	-	-	2.37	7.441E-07	3.933E-09	0.000E+00	0.000E+00		
			838460.9	826147.4	2.6	-	-	-	-	-	-	-	2.37						
			838464.9	826097.2	2.6	-	-	-	-	-	-	-	2.37						
			838461.6	826084.4	2.6	-	-	-	-	-	-	-	2.37						
			838454.9	826086.5	2.6	-	-	-	-	-	-	-	2.37						
			838439.6	826088.7	2.6	-	-	-	-	-	-	-	2.37						
Chun Shek Terminus	SE1001	AREAPOLY	838441.1	826100.9	2.6	-	-	-	-	-	-	-	2.37	5.361E-07	4.332E-08	0.000E+00	0.000E+00		
			838457.5	826088.6	2.6	-	-	-	-	-	-	-	2.37						
			837384.7	826010.0	3.9	-	-	-	-	-	-	-	3.64						
			837370.1	826001.4	3.9	-	-	-	-	-	-	-	3.64						
	SE1002	AREAPOLY	837361.1	826016.8	3.9	-	-	-	-	-	-	-	3.64	8.573E-07	6.928E-08	0.000E+00	0.000E+00		
			837375.6	826025.3	3.9	-	-	-	-	-	-	-	3.64						
			837389.8	825983.7	3.9	-	-	-	-	-	-	-	3.64						
			837378.8	826004.4	3.9	-	-	-	-	-	-	-	3.64						
			837376.3	826008.5	3.9	-	-	-	-	-	-	-	3.64						
			837385.8	826014.1	3.9	-	-	-	-	-	-	-	3.64						
			837391.6	826004.6	3.9	-	-	-	-	-	-	3.64							
			837399.7	825988.3	3.9	-	-	-	-	-	-	3.64							

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2028)

Bus Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Sznit	Max. Hourly Emission Rate												
													NO	NO ₂	RSP	FSP	TSP								
	ID	(m)	(m)	(mAG)	(K)	(m/s)	(m)	(m)	(m)	(degree)	(m)	(g/s) or (g/m ² /s)													
	SE2113	AREAPOLY	836807.2	826455.1	3.9	-	-	-	-	-	-	-	3.64	2.409E-08	4.381E-09	0.000E+00	0.000E+00								
			836749.7	826436.7	3.9	-	-	-	-	-	-	-	-						3.64						
			836735.3	826432.8	3.9	-	-	-	-	-	-	-	-						3.64						
			836709.2	826427.7	3.9	-	-	-	-	-	-	-	-						3.64						
			836683.9	826424.6	3.9	-	-	-	-	-	-	-	-						3.64						
			836682.7	826439.4	3.9	-	-	-	-	-	-	-	-						3.64						
			836707.1	826441.9	3.9	-	-	-	-	-	-	-	-						3.64						
			836724.2	826443.7	3.9	-	-	-	-	-	-	-	-						3.64						
			836746.0	826449.4	3.9	-	-	-	-	-	-	-	-						3.64						
			836802.4	826466.9	3.9	-	-	-	-	-	-	-	-						3.64						
			836798.6	826468.2	3.9	-	-	-	-	-	-	-	-						3.64						
			836795.1	826479.6	3.9	-	-	-	-	-	-	-	-						3.64						
	SE2121	AREAPOLY	836815.8	826485.8	3.9	-	-	-	-	-	-	-	3.64	3.377E-08	6.141E-09	0.000E+00	0.000E+00								
			836819.1	826474.8	3.9	-	-	-	-	-	-	-	3.64												
			836820.5	826470.6	3.9	-	-	-	-	-	-	-	3.64												
			836800.7	826463.3	3.9	-	-	-	-	-	-	-	3.64												
			836812.0	826487.8	3.9	-	-	-	-	-	-	-	3.64												
			836915.0	826521.0	3.9	-	-	-	-	-	-	-	3.64												
	SE2122	AREAPOLY	836918.9	826508.8	3.9	-	-	-	-	-	-	-	3.64	6.032E-08	1.097E-08	0.000E+00	0.000E+00								
			836815.7	826475.8	3.9	-	-	-	-	-	-	-	3.64												
			837306.6	826641.0	3.9	-	-	-	-	-	-	-	3.91												
	Hilton Plaza Carpark	SE2201	AREAPOLY	837312.3	826618.7	3.9	-	-	-	-	-	-	3.91	1.104E-07	2.008E-08	0.000E+00	0.000E+00								
				837337.8	826624.8	3.9	-	-	-	-	-	-	-						3.91						
				837349.8	826632.0	3.9	-	-	-	-	-	-	-						3.91						
837358.2				826645.1	3.9	-	-	-	-	-	-	-	3.91												
837349.7				826678.7	3.9	-	-	-	-	-	-	-	3.91												
837334.2				826738.7	3.9	-	-	-	-	-	-	-	3.91												
837324.7				826779.7	3.9	-	-	-	-	-	-	-	3.91												
837308.5				826775.9	3.9	-	-	-	-	-	-	-	3.91												
837317.3				826742.4	3.9	-	-	-	-	-	-	-	3.91												
837318.4				826724.5	3.9	-	-	-	-	-	-	-	3.91												
837324.0				826701.2	3.9	-	-	-	-	-	-	-	3.91												
837332.0				826682.8	3.9	-	-	-	-	-	-	-	3.91												
837338.9				826654.1	3.9	-	-	-	-	-	-	-	3.91												
837336.6				826645.4	3.9	-	-	-	-	-	-	-	3.91												
837330.3				826640.2	3.9	-	-	-	-	-	-	-	3.91												
837323.2				826637.8	3.9	-	-	-	-	-	-	-	3.91												
837321.5				826644.8	3.9	-	-	-	-	-	-	-	3.91												
SE2202				AREAPOLY	837308.1	826775.8	3.9	-	-	-	-	-	-						-	3.91	1.014E-07	1.844E-08	0.000E+00	0.000E+00	
					837303.8	826780.5	3.9	-	-	-	-	-	-						-	3.91					
					837302.4	826796.6	3.9	-	-	-	-	-	-						-	3.91					
					837306.0	826813.9	3.9	-	-	-	-	-	-						-	3.91					
					837314.7	826823.5	3.9	-	-	-	-	-	-						-	3.91					
					837328.4	826839.7	3.9	-	-	-	-	-	-						-	3.91					
					837336.1	826852.9	3.9	-	-	-	-	-	-						-	3.91					
		837354.2	826870.4		3.9	-	-	-	-	-	-	-	3.91												
		837366.7	826869.2		3.9	-	-	-	-	-	-	-	3.91												
		837354.4	826844.8		3.9	-	-	-	-	-	-	-	3.91												
		837342.9	826832.0		3.9	-	-	-	-	-	-	-	3.91												
		837330.4	826816.1		3.9	-	-	-	-	-	-	-	3.91												
		837324.9	826804.4		3.9	-	-	-	-	-	-	-	3.91												
		837323.1	826793.3		3.9	-	-	-	-	-	-	-	3.91												
837324.7		826779.7	3.9	-	-	-	-	-	-	-	3.91														
SE2203		AREAPOLY	837366.8	826859.1	3.9	-	-	-	-	-	-	-	3.91	3.848E-08	6.997E-09	0.000E+00	0.000E+00								
			837483.4	826991.8	3.9	-	-	-	-	-	-	-	3.91												
			837507.7	827019.8	3.9	-	-	-	-	-	-	-	3.91												
			837591.5	827114.8	3.9	-	-	-	-	-	-	-	3.91												
			837579.7	827125.1	3.9	-	-	-	-	-	-	-	3.91												
			837499.4	827034.1	3.9	-	-	-	-	-	-	-	3.91												
			837497.4	827027.7	3.9	-	-	-	-	-	-	-	3.91												
			837473.7	827000.3	3.9	-	-	-	-	-	-	-	3.91												
			837358.3	826873.7	3.9	-	-	-	-	-	-	-	3.91												
			837354.0	826870.5	3.9	-	-	-	-	-	-	-	3.91												
SE2211		AREAPOLY	837365.8	826850.9	3.9	-	-	-	-	-	-	-	3.91	1.032E-07	1.877E-08	0.000E+00	0.000E+00								
			837366.8	826850.8	3.9	-	-	-	-	-	-	-	3.91												
			837372.8	826849.3	3.9	-	-	-	-	-	-	-	3.91												
			837383.1	826840.5	3.9	-	-	-	-	-	-	-	3.91												
			837379.0	826860.1	3.9	-	-	-	-	-	-	-	3.91												
			837373.5	826861.7	3.9	-	-	-	-	-	-	-	3.91												
			837366.7	826863.6	3.9	-	-	-	-	-	-	3.91													

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2028)

Bus Terminus	Source	Type	X	Y	Release Height (mAG)	Exit Temperature (K)	Exit Velocity (m/s)	Stack Diameter (m)	Length of X Side (m)	Length of Y Side (m)	Angle (degree)	Sznit (m)	Max. Hourly Emission Rate (g/s) or (g/m ² /s)					
	ID		(m)	(m)									NO	NO ₂	RSP	FSP	TSP	
Hilton Plaza Carpark	SE2212	AREAPOLY	837376.5	826856.8	3.9	-	-	-	-	-	-	-	8.062E-08	1.466E-08	0.000E+00	0.000E+00		
			837380.6	826837.4	3.9	-	-	-	-	-	-	-						-
			837404.3	826744.8	3.9	-	-	-	-	-	-	-						-
			837423.4	826669.7	3.9	-	-	-	-	-	-	-						-
			837422.8	826660.8	3.9	-	-	-	-	-	-	-						-
			837417.1	826651.0	3.9	-	-	-	-	-	-	-						-
			837436.3	826645.2	3.9	-	-	-	-	-	-	-						-
			837440.2	826655.0	3.9	-	-	-	-	-	-	-						-
			837440.7	826666.3	3.9	-	-	-	-	-	-	-						-
			837430.4	826707.3	3.9	-	-	-	-	-	-	-						-
			837405.9	826803.4	3.9	-	-	-	-	-	-	-						-
			837395.0	826847.5	3.9	-	-	-	-	-	-	-						-
			837394.1	826856.8	3.9	-	-	-	-	-	-	-						-
			837436.3	826645.2	3.9	-	-	-	-	-	-	-						-
			837426.2	826634.1	3.9	-	-	-	-	-	-	-						-
			837332.3	826611.1	3.9	-	-	-	-	-	-	-						-
			837329.9	826610.1	3.9	-	-	-	-	-	-	-						-
			837325.9	826624.7	3.9	-	-	-	-	-	-	-						-
	837353.5	826631.2	3.9	-	-	-	-	-	-	-	-							
	837409.3	826646.4	3.9	-	-	-	-	-	-	-	-							
	837417.1	826651.0	3.9	-	-	-	-	-	-	-	-							
		SE2213	AREAPOLY											8.498E-08	1.546E-08	0.000E+00	0.000E+00	

Calculation of Idling Emission Factor

PLB (Diesel)

NO/NO₂ Ratio ^[1] = 2.57 From EMFAC

	Population	Idling Emission Factor				Mass Factor	AC Factor ^[7]	Average Idling Emission Factor (g/min)							
		Cold Idling		Hot Idling				Cold Idling				Hot Idling			
		NOx (g/s) ^[2]	PM (g/hr) ^[4]	NOx (g/hr) ^[5]	PM (g/hr) ^[6]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]
Euro VI	72%	0.0010	0.02	1.28	0.02	-	1.3	6.000E-02	4.320E-02	1.680E-02	4.334E-04	4.173E-02	3.004E-02	1.169E-02	4.334E-04
Euro V	28%	0.0010	0.02	3.60	0.02	-	1.3	6.000E-02	4.320E-02	1.680E-02	4.334E-04	4.173E-02	3.004E-02	1.169E-02	4.334E-04
Euro IV	0.001%	0.0010	0.16	3.62	0.16	-	1.3	6.000E-02	4.320E-02	1.680E-02	4.334E-04	4.173E-02	3.004E-02	1.169E-02	4.334E-04

PLB (LPG)

NO/NO₂ Ratio ^[1] = 190.31 From EMFAC

	Population	Idling Emission Factor				Mass Factor	AC Factor ^[7]	Average Idling Emission Factor (g/min)							
		Cold Idling		Hot Idling				Cold Idling				Hot Idling			
		NOx (g/s) ^[2]	PM (g/hr) ^[4]	NOx (g/hr) ^[9]	PM (g/hr) ^[10]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]
Euro V	90%	0.0039	0.02	14.0400	0.02	-	1.3	2.514E-01	2.501E-01	1.314E-03	6.788E-04	3.268E-01	3.251E-01	1.709E-03	6.788E-04
Euro IV	5%	0.0039	0.16	14.0400	0.16	-	1.3	2.514E-01	2.501E-01	1.314E-03	6.788E-04	3.268E-01	3.251E-01	1.709E-03	6.788E-04
Euro III	5%	0.0092	0.10	33.1200	0.10	-	1.3	2.514E-01	2.501E-01	1.314E-03	6.788E-04	3.268E-01	3.251E-01	1.709E-03	6.788E-04

FBDD

NO/NO₂ Ratio ^[1] = 17.75 From EMFAC

	Population	Idling Emission Factor				Mass Factor ^[13]	AC Factor ^[7]	Average Idling Emission Factor (g/min)							
		Cold Idling		Hot Idling				Cold Idling				Hot Idling			
		NOx (g/s) ^[2]	PM (g/hr) ^[4]	NOx (g/hr) ^[11]	PM (g/hr) ^[12]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]
Euro VI	31%	0.0225	0.01	1.75	0.01	1.2	1.3	6.735E+00	6.375E+00	3.591E-01	1.868E-03	2.227E-01	2.108E-01	1.187E-02	1.868E-03
Euro V	68%	0.1535	0.10	11.71	0.10	1.2	1.3	6.735E+00	6.375E+00	3.591E-01	1.868E-03	2.227E-01	2.108E-01	1.187E-02	1.868E-03
Euro IV	0.2%	0.1535	0.20	7.51	0.20	1.2	1.3	6.735E+00	6.375E+00	3.591E-01	1.868E-03	2.227E-01	2.108E-01	1.187E-02	1.868E-03

NFB6

NO/NO₂ Ratio ^[1] = 2.57 From EMFAC

	Population	Idling Emission Factor				Mass Factor ^[13]	AC Factor ^[7]	Average Emission Factor (g/min)							
		Cold Idling		Hot Idling (HGV)				Cold Idling				Hot Idling			
		NOx (g/s) ^[2]	PM (g/hr) ^[4]	NOx (g/hr) ^[11]	PM (g/hr) ^[12]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]
Euro VI	68%	0.0010	0.01	1.75	0.01	0.9	1.3	9.436E-01	6.794E-01	2.642E-01	7.523E-04	9.575E-02	6.894E-02	2.681E-02	7.523E-04
Euro V	32%	0.0474	0.10	11.71	0.10	0.9	1.3	9.436E-01	6.794E-01	2.642E-01	7.523E-04	9.575E-02	6.894E-02	2.681E-02	7.523E-04
Euro IV	0.0%	0.0573	0.20	7.51	0.20	0.9	1.3	9.436E-01	6.794E-01	2.642E-01	7.523E-04	9.575E-02	6.894E-02	2.681E-02	7.523E-04

HGV8

NO/NO₂ Ratio ^[1] = 3.74 From EMFAC

	Population	Idling Emission Factor				Mass Factor ^[13]	AC Factor ^[7]	Average Emission Factor (g/min)							
		Cold Idling		Hot Idling (HGV)				Cold Idling				Hot Idling			
		NOx (g/s) ^[2]	PM (g/hr) ^[4]	NOx (g/hr) ^[11]	PM (g/hr) ^[12]			NOx	NO	NO ₂	PM ^[8]	NOx	NO	NO ₂	PM ^[8]
Euro VI	63%	0.0037	0.01	1.75	0.01	1.0	1.3	6.522E-01	5.146E-01	1.376E-01	9.414E-04	1.181E-01	9.317E-02	2.491E-02	9.414E-04
Euro V	37%	0.0230	0.10	11.71	0.10	1.0	1.3	6.522E-01	5.146E-01	1.376E-01	9.414E-04	1.181E-01	9.317E-02	2.491E-02	9.414E-04
Euro IV	0.0%	0.0144	0.20	7.51	0.20	1.0	1.3	6.522E-01	5.146E-01	1.376E-01	9.414E-04	1.181E-01	9.317E-02	2.491E-02	9.414E-04

Remarks

- [1] NO/NO₂ ratio, at the respective running speed, was calculated based on emission factors extracted from EMFAC-HK.
- [2] NOx cold idling emission factors was referenced to *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
- [3] Due to the lack of information, NOx cold idling emission factor for Euro IV to Euro V PLB(Diesel) was referenced to the corresponding hot idling emission factor.
- [4] Due to the lack of information, RSP cold idling emission factor was referenced to the corresponding hot idling emission factor.
- [5] Reference made to Table 42 of *Road Tunnels: Vehicle Emissions and Air Demand for Ventilation (VEADV)* published by World Road Association (VEADV).
- [6] Reference made to Table 43 of *VEADV*.
- [7] Reference made to the approved *Liantang / Heung Yuen Wai Boundary Control Point and Associated Works EIA Report*.
- [8] All TSP (PM) emissions were assumed for RSP and FSP as a conservative approach.
- [9] Due to the lack of information, NOx hot idling emission factor for PLB(LPG) was referenced to the corresponding cold idling emission factor from *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
- [10] Due to the lack of information, RSP hot idling emission factor for PLB(LPG) was referenced to hot idling emission factor for PLB(Diesel).
- [11] Reference made to Table 45 of *VEADV*.
- [12] Reference made to Table 46 of *VEADV*.
- [13] Reference made to Table 27 of *VEADV*.
- [14] Due to the lack of information, NOx cold idling emission factor for Euro IV NFB6 was referenced to that of Euro IV NFB7, while NOx cold idling emission factor for Euro V NFB6 was referenced to that of Euro V NFB8.

Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m ²)	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m ² /s)	
					NO	NO ₂	NO	NO ₂
Tai Wai Station Terminus (Bus)	Total	505	-	100%	3.650E-03	2.750E-04	-	-
	SE1301	102	2024	100%	7.371E-04	5.554E-05	3.642E-07	2.744E-08
	SE1302	44	927	99%	3.148E-04	2.372E-05	3.398E-07	2.560E-08
	SE1303	54	1032	94%	3.668E-04	2.764E-05	3.554E-07	2.677E-08
	SE1304	47	925	93%	3.159E-04	2.380E-05	3.413E-07	2.572E-08
	SE1305	258	4682	93%	1.734E-03	1.306E-04	3.703E-07	2.790E-08
	SE1311	403	7301	1%	2.912E-05	2.194E-06	3.989E-09	3.006E-10
	SE1321	260	4828	5%	9.395E-05	7.079E-06	1.946E-08	1.466E-09
	SE1322	99	1350	5%	3.577E-05	2.695E-06	2.650E-08	1.997E-09
	SE1331	305	5170	1%	2.204E-05	1.661E-06	4.263E-09	3.212E-10
Tai Wai Station Terminus (Minibus - Diesel)	Total	505	-	100%	2.061E-04	8.014E-05	-	-
	SE1401	102	2024	100%	4.162E-05	1.619E-05	2.056E-08	7.996E-09
	SE1402	44	927	100%	1.795E-05	6.982E-06	1.938E-08	7.536E-09
	SE1403	54	1032	100%	2.204E-05	8.569E-06	2.135E-08	8.301E-09
	SE1404	47	925	25%	4.795E-06	1.865E-06	5.181E-09	2.015E-09
	SE1405	258	4682	25%	2.632E-05	1.024E-05	5.621E-09	2.186E-09
	SE1411	305	5170	75%	9.334E-05	3.630E-05	1.805E-08	7.021E-09
Tai Wai Station North Terminus (Minibus - Diesel)	Total	680	-	100%	2.219E-04	8.609E-05	-	-
	SE1601	41	484	100%	1.338E-05	5.191E-06	2.762E-08	1.072E-08
	SE1602	75	728	100%	2.447E-05	9.496E-06	3.360E-08	1.304E-08
	SE1603	41	622	100%	1.338E-05	5.191E-06	2.152E-08	8.349E-09
	SE1604	129	1758	100%	4.209E-05	1.633E-05	2.394E-08	9.291E-09
	SE1605	218	2762	100%	7.113E-05	2.760E-05	2.575E-08	9.933E-09
	SE1606	176	2102	100%	5.743E-05	2.228E-05	2.732E-08	1.060E-08
Tai Wai Station North Terminus (Minibus - LPG)	Total	130	-	100%	4.628E-03	2.449E-05	-	-
	SE1701	41	484	100%	1.460E-03	7.723E-06	3.014E-06	1.595E-08
	SE1702	75	728	100%	2.670E-03	1.413E-05	3.666E-06	1.940E-08
	SE1703	14	218	100%	4.984E-04	2.637E-06	2.290E-06	1.212E-08
Sunking Industrial Building Carpark	Total	605	-	100%	3.207E-03	5.832E-04	-	-
	SE1801	72	696	100%	3.817E-04	6.941E-05	5.487E-07	9.978E-08
	SE1802	75	1514	100%	3.976E-04	7.230E-05	2.627E-07	4.777E-08
	SE1803	255	3458	50%	6.759E-04	1.229E-04	1.954E-07	3.554E-08
	SE1804	203	5323	50%	5.381E-04	9.785E-05	1.011E-07	1.838E-08
	SE1811	17	355	50%	4.506E-05	8.194E-06	1.268E-07	2.306E-08
	SE1812	441	6276	50%	1.169E-03	2.126E-04	1.862E-07	3.387E-08
Jat Min Estate Carpark	Total	610	-	100%	5.323E-03	9.680E-04	-	-
	SE1901	57	599	100%	4.974E-04	9.045E-05	8.303E-07	1.510E-07
	SE1902	65	678	15%	8.508E-05	1.547E-05	1.255E-07	2.283E-08
	SE1903	488	6636	15%	6.388E-04	1.162E-04	9.626E-08	1.751E-08
	SE1911	217	2448	85%	1.610E-03	2.927E-04	6.574E-07	1.195E-07
	SE1912	100	1573	85%	7.417E-04	1.349E-04	4.715E-07	8.575E-08
	SE1913	188	3880	70%	1.148E-03	2.088E-04	2.959E-07	5.382E-08
	SE1914	48	1216	25%	1.047E-04	1.904E-05	8.614E-08	1.566E-08
	SE1915	48	912	10%	4.189E-05	7.617E-06	4.594E-08	8.354E-09
	SE1916	48	708	35%	1.466E-04	2.666E-05	2.072E-07	3.767E-08
	SE1921	16	268	15%	2.094E-05	3.809E-06	7.824E-08	1.423E-08
	SE1922	220	3848	15%	2.880E-04	5.237E-05	7.483E-08	1.361E-08
Man Lam Road Carpark	Total	605	-	100%	2.438E-03	4.433E-04	-	-
	SE2001	137	1356	100%	5.520E-04	1.004E-04	4.072E-07	7.405E-08
	SE2002	87	885	100%	3.506E-04	6.375E-05	3.959E-07	7.200E-08
	SE2003	319	5732	40%	5.141E-04	9.350E-05	8.970E-08	1.631E-08
	SE2004	17	327	30%	2.055E-05	3.737E-06	6.288E-08	1.143E-08
	SE2005	45	678	20%	3.626E-05	6.595E-06	5.349E-08	9.727E-09
	SE2011	120	2390	60%	2.901E-04	5.276E-05	1.214E-07	2.208E-08
	SE2012	261	3425	50%	5.258E-04	9.563E-05	1.535E-07	2.792E-08
	SE2021	261	4403	10%	1.052E-04	1.913E-05	2.389E-08	4.344E-09
	SE2031	62	1058	10%	2.498E-05	4.543E-06	2.361E-08	4.293E-09
	SE2041	45	901	10%	1.813E-05	3.298E-06	2.013E-08	3.661E-09
Shing Chuen Industrial Building Carpark	Total	665	-	100%	1.340E-03	2.436E-04	-	-
	SE2101	296	5298	100%	5.963E-04	1.085E-04	1.126E-07	2.047E-08
	SE2102	89	1401	100%	1.793E-04	3.261E-05	1.280E-07	2.328E-08
	SE2103	280	3291	50%	2.821E-04	5.129E-05	8.570E-08	1.558E-08
	SE2111	71	1102	50%	7.152E-05	1.301E-05	6.490E-08	1.180E-08
	SE2112	75	1514	50%	7.555E-05	1.374E-05	4.990E-08	9.075E-09
	SE2113	134	1681	15%	4.050E-05	7.364E-06	2.409E-08	4.381E-09
	SE2121	17	355	35%	1.199E-05	2.180E-06	3.377E-08	6.141E-09
SE2122	117	1368	35%	8.250E-05	1.500E-05	6.032E-08	1.097E-08	
Hilton Plaza Carpark	Total	630	-	100%	1.190E-03	2.164E-04	-	-
	SE2201	187	3199	100%	3.532E-04	6.423E-05	1.104E-07	2.008E-08
	SE2202	103	1919	100%	1.945E-04	3.538E-05	1.014E-07	1.844E-08
	SE2203	340	5007	30%	1.927E-04	3.504E-05	3.848E-08	6.997E-09
	SE2211	21	269	70%	2.776E-05	5.049E-06	1.032E-07	1.877E-08
	SE2212	215	3526	70%	2.843E-04	5.170E-05	8.062E-08	1.466E-08
	SE2213	104	1618	70%	1.375E-04	2.501E-05	8.498E-08	1.546E-08

Sha Tin Station Terminus (Bus)

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0500 - 0600	2	2	0	1	0	0	0	1	2	1	0	0	0	0	0	0	0	0
0600 - 0700	1	8	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	6	6	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	2	3	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	2	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	3	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	3	2	5	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	2	1	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	1	10	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	2	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	5	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	4	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	6	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	5	5	5	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0
2000 - 2100	2	2	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	2	1	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0
2200 - 2300	1	0	3	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	1	2	2	0	1	1	0	1	1	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
8	1	0	0	
6	0	0	0	
0	0	0	0	
0	0	0	0	
14	1	0	0	
48	3	0	0	
28	2	0	0	
25	2	0	0	
18	1	0	0	
13	1	0	0	
11	1	0	0	
20	1	0	0	
21	1	0	0	
19	1	0	0	
26	2	0	0	
14	1	0	0	
20	1	0	0	
24	2	0	0	
20	1	0	0	
46	3	0	0	
21	1	0	0	
34	2	0	0	
29	2	0	0	
43	3	0	0	

Sha Tin Station Terminus (Bus)

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	210	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	12	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.692E+01	1.516E+00	9.737E-01	8.959E-01	
0100 - 0200	3	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.729E+00	3.790E-01	2.434E-01	2.240E-01	
0200 - 0300	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.243E+00	1.263E-01	8.114E-02	7.466E-02	
0500 - 0600	9	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.019E+01	1.137E+00	7.303E-01	6.719E-01	
0600 - 0700	28	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.280E+01	3.537E+00	2.272E+00	2.090E+00	
0700 - 0800	35	1.068E+01	6.016E-01	3.864E-01	3.555E-01		7.850E+01	4.422E+00	2.840E+00	2.613E+00	
0800 - 0900	30	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.729E+01	3.790E+00	2.434E+00	2.240E+00	
0900 - 1000	26	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.832E+01	3.285E+00	2.110E+00	1.941E+00	
1000 - 1100	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.037E+01	2.274E+00	1.461E+00	1.344E+00	
1100 - 1200	15	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.364E+01	1.895E+00	1.217E+00	1.120E+00	
1200 - 1300	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.934E+01	2.779E+00	1.785E+00	1.642E+00	
1300 - 1400	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.037E+01	2.274E+00	1.461E+00	1.344E+00	
1400 - 1500	19	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.262E+01	2.400E+00	1.542E+00	1.418E+00	
1500 - 1600	19	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.262E+01	2.400E+00	1.542E+00	1.418E+00	
1600 - 1700	27	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.056E+01	3.411E+00	2.191E+00	2.016E+00	
1700 - 1800	33	1.068E+01	6.016E-01	3.864E-01	3.555E-01		7.402E+01	4.169E+00	2.678E+00	2.464E+00	
1800 - 1900	31	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.953E+01	3.916E+00	2.515E+00	2.314E+00	
1900 - 2000	29	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.504E+01	3.664E+00	2.353E+00	2.165E+00	
2000 - 2100	23	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.159E+01	2.906E+00	1.866E+00	1.717E+00	
2100 - 2200	15	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.364E+01	1.895E+00	1.217E+00	1.120E+00	
2200 - 2300	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.243E+01	1.263E+00	8.114E-01	7.466E-01	
2300 - 2400	9	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.019E+01	1.137E+00	7.303E-01	6.719E-01	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
0100 - 0200	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0200 - 0300	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E+00	1.187E-01	1.868E-02	1.868E-02	
0700 - 0800	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
0800 - 0900	18	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.795E+00	2.137E-01	3.363E-02	3.363E-02	
0900 - 1000	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
1000 - 1100	12	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.530E+00	1.425E-01	2.242E-02	2.242E-02	
1100 - 1200	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	
1200 - 1300	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
1300 - 1400	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
1400 - 1500	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.265E+00	7.125E-02	1.121E-02	1.121E-02	
1500 - 1600	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
1600 - 1700	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
1700 - 1800	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
1800 - 1900	14	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.951E+00	1.662E-01	2.615E-02	2.615E-02	
1900 - 2000	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
2000 - 2100	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
2100 - 2200	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.265E+00	7.125E-02	1.121E-02	1.121E-02	
2200 - 2300	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
2300 - 2400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Sha Tin Station Terminus (Bus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	3.147E+01	1.787E+00	1.005E+00	9.276E-01		8.741E-03	4.964E-04	2.793E-04	2.577E-04	
0100 - 0200	1.990E+01	1.126E+00	2.509E-01	2.314E-01		5.528E-03	3.129E-04	6.970E-05	6.429E-05	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	1.608E+01	9.323E-01	8.488E-02	7.839E-02		4.467E-03	2.590E-04	2.358E-05	2.178E-05	
0500 - 0600	7.649E+01	4.401E+00	7.639E-01	7.055E-01		2.125E-02	1.223E-03	2.122E-04	1.960E-04	
0600 - 0700	7.612E+01	4.342E+00	2.358E+00	2.176E+00		2.115E-02	1.206E-03	6.550E-04	6.045E-04	
0700 - 0800	9.322E+01	5.299E+00	2.943E+00	2.716E+00		2.589E-02	1.472E-03	8.174E-04	7.544E-04	
0800 - 0900	7.839E+01	4.450E+00	2.513E+00	2.318E+00		2.178E-02	1.236E-03	6.980E-04	6.439E-04	
0900 - 1000	6.737E+01	3.820E+00	2.175E+00	2.006E+00		1.871E-02	1.061E-03	6.042E-04	5.573E-04	
1000 - 1100	4.689E+01	2.663E+00	1.505E+00	1.389E+00		1.303E-02	7.396E-04	4.182E-04	3.857E-04	
1100 - 1200	4.156E+01	2.379E+00	1.264E+00	1.167E+00		1.154E-02	6.609E-04	3.511E-04	3.240E-04	
1200 - 1300	5.948E+01	3.392E+00	1.851E+00	1.708E+00		1.652E-02	9.421E-04	5.140E-04	4.744E-04	
1300 - 1400	4.897E+01	2.795E+00	1.515E+00	1.398E+00		1.360E-02	7.765E-04	4.208E-04	3.883E-04	
1400 - 1500	5.281E+01	3.025E+00	1.602E+00	1.478E+00		1.467E-02	8.402E-04	4.449E-04	4.106E-04	
1500 - 1600	5.050E+01	2.871E+00	1.596E+00	1.473E+00		1.403E-02	7.976E-04	4.433E-04	4.091E-04	
1600 - 1700	7.208E+01	4.098E+00	2.271E+00	2.096E+00		2.002E-02	1.138E-03	6.309E-04	5.822E-04	
1700 - 1800	8.781E+01	4.993E+00	2.773E+00	2.559E+00		2.439E-02	1.387E-03	7.703E-04	7.108E-04	
1800 - 1900	8.212E+01	4.664E+00	2.605E+00	2.404E+00		2.281E-02	1.296E-03	7.236E-04	6.678E-04	
1900 - 2000	1.273E+02	7.258E+00	2.445E+00	2.257E+00		3.535E-02	2.016E-03	6.791E-04	6.268E-04	
2000 - 2100	6.203E+01	3.534E+00	1.935E+00	1.786E+00		1.723E-02	9.817E-04	5.376E-04	4.962E-04	
2100 - 2200	8.919E+01	5.091E+00	1.262E+00	1.165E+00		2.477E-02	1.414E-03	3.506E-04	3.235E-04	
2200 - 2300	5.326E+01	3.055E+00	8.469E-01	7.820E-01		1.479E-02	8.487E-04	2.353E-04	2.172E-04	
2300 - 2400	6.435E+01	3.708E+00	7.639E-01	7.055E-01		1.788E-02	1.030E-03	2.122E-04	1.960E-04	

Sha Tin Station Terminus (Minibus)

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ^[1] =	3.0
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	Starting Emission Factor (g/trip)																	
NO	3.560E-02	6.410E-02	8.540E-02	1.210E-01	1.495E-01	1.993E-01	2.918E-01	3.630E-01	5.338E-01	6.975E-01	7.829E-01	9.253E-01	1.018E+00	1.068E+00	1.096E+00	1.125E+00	1.139E+00	1.139E+00
NO ₂	1.380E-02	2.490E-02	3.320E-02	4.710E-02	5.810E-02	7.750E-02	1.135E-01	1.412E-01	2.076E-01	2.713E-01	3.045E-01	3.598E-01	3.958E-01	4.152E-01	4.263E-01	4.373E-01	4.429E-01	4.429E-01
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Public Light Bus (Diesel)																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	6	7	13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	9	4	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	2	1	11	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	2	1	7	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	2	3	7	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	3	3	7	3	1	1	4	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	4	4	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	1	3	7	4	1	1	1	0	1	0	0	0	0	0	0	0	0	0
1500 - 1600	8	4	4	6	0	1	2	1	0	0	0	0	0	0	0	0	0	0
1600 - 1700	1	2	11	6	0	1	1	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	1	4	12	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	3	2	10	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	2	2	11	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	1	1	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	0	7	3	2	1	2	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	5	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
 [2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2028 data of EMFAC-HK.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
1	0	0	0	
2	1	0	0	
2	1	0	0	
2	1	0	0	
2	1	0	0	
3	1	0	0	
1	0	0	0	
3	1	0	0	
3	1	0	0	
2	1	0	0	
2	1	0	0	
3	1	0	0	
2	1	0	0	
2	1	0	0	
1	1	0	0	
1	0	0	0	

Sha Tin Station Terminus (Minibus)

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ^[1] =	3.0
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NO	Starting Emission Factor (g/trip)																	
	1.748E+00	2.634E+00	4.190E+00	5.457E+00	6.437E+00	7.129E+00	7.532E+00	7.714E+00	7.686E+00	7.642E+00	7.584E+00	7.511E+00	7.423E+00	7.319E+00	7.201E+00	7.068E+00	6.920E+00	6.757E+00
NO ₂	9.200E-03	1.390E-02	2.220E-02	2.890E-02	3.400E-02	3.770E-02	3.980E-02	4.080E-02	4.060E-02	4.040E-02	4.010E-02	3.970E-02	3.930E-02	3.870E-02	3.810E-02	3.740E-02	3.660E-02	3.570E-02
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour	No. of Cold Starts of Public Light Bus (LPG)																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	2	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	3	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	1	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	1	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	1	1	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	3	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	1	2	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	1	1	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	1	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
 [2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2028 data of EMFAC-HK.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
1	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
9	0	0	0	
34	0	0	0	
29	0	0	0	
24	0	0	0	
28	0	0	0	
26	0	0	0	
33	0	0	0	
18	0	0	0	
32	0	0	0	
34	0	0	0	
33	0	0	0	
32	0	0	0	
38	0	0	0	
24	0	0	0	
20	0	0	0	
28	0	0	0	
18	0	0	0	
7	0	0	0	

Sha Tin Station Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	8.393E-01	7.038E-02	1.187E-02	1.101E-02		2.331E-04	1.955E-05	3.297E-06	3.058E-06	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	1.277E+01	1.248E+00	2.299E-01	2.127E-01		3.546E-03	3.467E-04	6.387E-05	5.909E-05	
0700 - 0800	4.233E+01	3.536E+00	6.186E-01	5.730E-01		1.176E-02	9.821E-04	1.718E-04	1.592E-04	
0800 - 0900	3.959E+01	3.762E+00	6.824E-01	6.316E-01		1.100E-02	1.045E-03	1.896E-04	1.754E-04	
0900 - 1000	2.991E+01	2.575E+00	4.621E-01	4.277E-01		8.309E-03	7.152E-04	1.284E-04	1.188E-04	
1000 - 1100	3.246E+01	2.476E+00	4.302E-01	3.984E-01		9.016E-03	6.879E-04	1.195E-04	1.107E-04	
1100 - 1200	3.063E+01	2.449E+00	4.295E-01	3.976E-01		8.509E-03	6.804E-04	1.193E-04	1.104E-04	
1200 - 1300	3.669E+01	2.626E+00	4.332E-01	4.013E-01		1.019E-02	7.296E-04	1.203E-04	1.115E-04	
1300 - 1400	2.322E+01	2.042E+00	3.612E-01	3.345E-01		6.451E-03	5.672E-04	1.003E-04	9.293E-05	
1400 - 1500	3.326E+01	2.143E+00	3.427E-01	3.177E-01		9.238E-03	5.953E-04	9.519E-05	8.826E-05	
1500 - 1600	3.669E+01	2.523E+00	4.035E-01	3.743E-01		1.019E-02	7.008E-04	1.121E-04	1.040E-04	
1600 - 1700	3.409E+01	2.148E+00	3.442E-01	3.192E-01		9.469E-03	5.966E-04	9.561E-05	8.867E-05	
1700 - 1800	3.483E+01	2.415E+00	4.013E-01	3.720E-01		9.675E-03	6.709E-04	1.115E-04	1.033E-04	
1800 - 1900	4.148E+01	2.846E+00	4.703E-01	4.358E-01		1.152E-02	7.904E-04	1.306E-04	1.211E-04	
1900 - 2000	2.645E+01	1.898E+00	3.182E-01	2.950E-01		7.347E-03	5.273E-04	8.839E-05	8.194E-05	
2000 - 2100	2.148E+01	1.434E+00	2.344E-01	2.172E-01		5.968E-03	3.982E-04	6.511E-05	6.033E-05	
2100 - 2200	2.878E+01	1.789E+00	2.834E-01	2.627E-01		7.993E-03	4.969E-04	7.871E-05	7.297E-05	
2200 - 2300	1.775E+01	1.021E+00	1.543E-01	1.431E-01		4.929E-03	2.836E-04	4.286E-05	3.975E-05	
2300 - 2400	7.153E+00	4.183E-01	5.934E-02	5.504E-02		1.987E-03	1.162E-04	1.648E-05	1.529E-05	

Sha Tin Central Terminus

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	7	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	2	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	1	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0500 - 0600	2	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
0600 - 0700	2	4	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	5	4	9	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	5	11	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	2	4	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	2	5	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	6	1	5	0	0	3	2	0	1	0	0	0	0	0	0	0	0	0
1200 - 1300	1	5	12	2	0	0	2	1	0	0	0	0	0	0	0	0	0	0
1300 - 1400	1	3	8	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	4	2	12	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	3	4	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	4	11	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	3	10	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	4	9	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	3	6	6	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	1	12	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	2	1	8	0	1	1	5	1	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	11	1	0	0	6	1	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	5	1	2	0	3	1	0	0	0	0	0	0	0	0	0	0

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
24	2	0	0	
6	0	0	0	
26	2	0	0	
6	0	0	0	
18	1	0	0	
14	1	0	0	
28	2	0	0	
44	3	0	0	
35	2	0	0	
24	2	0	0	
22	2	0	0	
47	3	0	0	
50	3	0	0	
28	2	0	0	
41	3	0	0	
26	2	0	0	
38	3	0	0	
30	2	0	0	
29	2	0	0	
32	2	0	0	
34	2	0	0	
58	4	0	0	
62	4	0	0	
41	3	0	0	

Sha Tin Central Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	210	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	60	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.346E+02	7.580E+00	4.869E+00	4.479E+00	
0100 - 0200	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.813E+01	2.148E+00	1.379E+00	1.269E+00	
0200 - 0300	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.243E+01	1.283E+00	8.114E-01	7.466E-01	
0300 - 0400	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.243E+01	1.283E+00	8.114E-01	7.466E-01	
0400 - 0500	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.813E+01	2.148E+00	1.379E+00	1.269E+00	
0500 - 0600	38	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.523E+01	4.801E+00	3.083E+00	2.837E+00	
0600 - 0700	105	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.355E+02	1.327E+01	8.520E+00	7.839E+00	
0700 - 0800	139	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.118E+02	1.756E+01	1.128E+01	1.038E+01	
0800 - 0900	129	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.893E+02	1.630E+01	1.047E+01	9.630E+00	
0900 - 1000	129	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.893E+02	1.630E+01	1.047E+01	9.630E+00	
1000 - 1100	115	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.579E+02	1.453E+01	9.332E+00	8.585E+00	
1100 - 1200	91	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.041E+02	1.150E+01	7.384E+00	6.794E+00	
1200 - 1300	118	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.647E+02	1.491E+01	9.575E+00	8.809E+00	
1300 - 1400	121	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.714E+02	1.529E+01	9.818E+00	9.033E+00	
1400 - 1500	123	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.759E+02	1.554E+01	9.981E+00	9.183E+00	
1500 - 1600	116	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.602E+02	1.465E+01	9.413E+00	8.660E+00	
1600 - 1700	123	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.759E+02	1.554E+01	9.981E+00	9.183E+00	
1700 - 1800	133	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.983E+02	1.680E+01	1.079E+01	9.929E+00	
1800 - 1900	148	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.320E+02	1.870E+01	1.201E+01	1.105E+01	
1900 - 2000	130	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.916E+02	1.642E+01	1.055E+01	9.705E+00	
2000 - 2100	108	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.422E+02	1.364E+01	8.764E+00	8.063E+00	
2100 - 2200	104	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.333E+02	1.314E+01	8.439E+00	7.764E+00	
2200 - 2300	83	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.862E+02	1.049E+01	6.735E+00	6.196E+00	
2300 - 2400	78	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.749E+02	9.854E+00	6.329E+00	5.823E+00	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	49	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.033E+01	5.818E-01	9.154E-02	9.154E-02	
0100 - 0200	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.741E+00	1.544E-01	2.429E-02	2.429E-02	
0200 - 0300	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
0300 - 0400	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
0400 - 0500	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.741E+00	1.544E-01	2.429E-02	2.429E-02	
0500 - 0600	31	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.535E+00	3.681E-01	5.791E-02	5.791E-02	
0600 - 0700	87	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.834E+01	1.033E+00	1.625E-01	1.625E-01	
0700 - 0800	116	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.445E+01	1.377E+00	2.167E-01	2.167E-01	
0800 - 0900	103	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.171E+01	1.223E+00	1.924E-01	1.924E-01	
0900 - 1000	113	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.382E+01	1.342E+00	2.111E-01	2.111E-01	
1000 - 1100	100	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E+01	1.187E+00	1.868E-01	1.868E-01	
1100 - 1200	73	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.539E+01	8.668E-01	1.364E-01	1.364E-01	
1200 - 1300	95	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.003E+01	1.128E+00	1.775E-01	1.775E-01	
1300 - 1400	106	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.235E+01	1.259E+00	1.980E-01	1.980E-01	
1400 - 1500	101	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.129E+01	1.199E+00	1.887E-01	1.887E-01	
1500 - 1600	100	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E+01	1.187E+00	1.868E-01	1.868E-01	
1600 - 1700	104	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.192E+01	1.235E+00	1.943E-01	1.943E-01	
1700 - 1800	111	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.340E+01	1.318E+00	2.074E-01	2.074E-01	
1800 - 1900	127	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.677E+01	1.508E+00	2.373E-01	2.373E-01	
1900 - 2000	111	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.340E+01	1.318E+00	2.074E-01	2.074E-01	
2000 - 2100	90	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+01	1.069E+00	1.681E-01	1.681E-01	
2100 - 2200	85	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.792E+01	1.009E+00	1.588E-01	1.588E-01	
2200 - 2300	64	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.349E+01	7.600E-01	1.196E-01	1.196E-01	
2300 - 2400	66	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.391E+01	7.837E-01	1.233E-01	1.233E-01	

Sha Tin Central Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1.528E+02	8.651E+00	5.001E+00	4.612E+00		4.243E-02	2.403E-03	1.389E-03	1.281E-03	
0100 - 0200	4.331E+01	2.451E+00	1.419E+00	1.308E+00		1.203E-02	6.807E-04	3.941E-04	3.634E-04	
0200 - 0300	6.391E+01	3.650E+00	8.432E-01	7.783E-01		1.775E-02	1.014E-03	2.342E-04	2.162E-04	
0300 - 0400	2.601E+01	1.477E+00	8.357E-01	7.708E-01		7.226E-03	4.104E-04	2.321E-04	2.141E-04	
0400 - 0500	5.648E+01	3.216E+00	1.419E+00	1.308E+00		1.569E-02	8.933E-04	3.941E-04	3.634E-04	
0500 - 0600	1.080E+02	6.114E+00	3.168E+00	2.921E+00		3.001E-02	1.698E-03	6.799E-04	6.114E-04	
0600 - 0700	2.651E+02	1.499E+01	8.750E+00	8.069E+00		7.365E-02	4.163E-03	2.431E-03	2.241E-03	
0700 - 0800	3.745E+02	2.118E+01	1.158E+01	1.068E+01		1.040E-01	5.884E-03	3.217E-03	2.967E-03	
0800 - 0900	3.264E+02	1.845E+01	1.076E+01	9.920E+00		9.066E-02	5.125E-03	2.988E-03	2.756E-03	
0900 - 1000	3.231E+02	1.824E+01	1.074E+01	9.901E+00		8.974E-02	5.068E-03	2.983E-03	2.750E-03	
1000 - 1100	2.881E+02	1.627E+01	9.574E+00	8.828E+00		8.003E-02	4.520E-03	2.660E-03	2.452E-03	
1100 - 1200	2.678E+02	1.518E+01	7.588E+00	6.997E+00		7.439E-02	4.216E-03	2.108E-03	1.944E-03	
1200 - 1300	3.354E+02	1.899E+01	9.838E+00	9.073E+00		9.317E-02	5.275E-03	2.733E-03	2.520E-03	
1300 - 1400	3.037E+02	1.716E+01	1.007E+01	9.287E+00		8.437E-02	4.767E-03	2.798E-03	2.580E-03	
1400 - 1500	3.348E+02	1.894E+01	1.025E+01	9.453E+00		9.299E-02	5.260E-03	2.848E-03	2.626E-03	
1500 - 1600	2.914E+02	1.647E+01	9.659E+00	8.907E+00		8.095E-02	4.574E-03	2.683E-03	2.474E-03	
1600 - 1700	3.223E+02	1.823E+01	1.025E+01	9.448E+00		8.952E-02	5.063E-03	2.846E-03	2.624E-03	
1700 - 1800	3.348E+02	1.892E+01	1.108E+01	1.022E+01		9.301E-02	5.255E-03	3.078E-03	2.839E-03	
1800 - 1900	3.712E+02	2.096E+01	1.233E+01	1.136E+01		1.031E-01	5.824E-03	3.424E-03	3.157E-03	
1900 - 2000	3.271E+02	1.849E+01	1.083E+01	9.984E+00		9.087E-02	5.136E-03	3.008E-03	2.773E-03	
2000 - 2100	2.733E+02	1.546E+01	8.999E+00	8.298E+00		7.593E-02	4.295E-03	2.500E-03	2.305E-03	
2100 - 2200	3.358E+02	1.903E+01	8.669E+00	7.994E+00		9.327E-02	5.285E-03	2.408E-03	2.221E-03	
2200 - 2300	2.962E+02	1.680E+01	6.926E+00	6.387E+00		8.228E-02	4.668E-03	1.924E-03	1.774E-03	
2300 - 2400	2.453E+02	1.389E+01	6.497E+00	5.991E+00		6.813E-02	3.860E-03	1.805E-03	1.664E-03	

Sha Tin Wai Terminus

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	1	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	1	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	1	0	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1300 - 1400	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	1	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	1	2	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	1	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	0	3	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	1	0	3	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
1	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
2	0	0	0	
7	0	0	0	
12	1	0	0	
13	1	0	0	
9	1	0	0	
2	0	0	0	
4	0	0	0	
16	1	0	0	
4	0	0	0	
15	1	0	0	
9	1	0	0	
17	1	0	0	
17	1	0	0	
9	1	0	0	
11	1	0	0	
17	1	0	0	
24	2	0	0	
9	1	0	0	
18	1	0	0	

Sha Tin Wai Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	60	m
Average Travelling Speed =	10	km/h

Hour	Double-Deck Franchised Bus										
	Frequency	Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	5	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.204E+00	1.805E-01	1.159E-01	1.067E-01		
0100 - 0200	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01	6.408E-01	3.610E-02	2.318E-02	2.133E-02		
0200 - 0300	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0400 - 0500	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	3	1.068E+01	6.016E-01	3.864E-01	3.555E-01	1.923E+00	1.083E-01	6.955E-02	6.399E-02		
0600 - 0700	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.845E+00	2.166E-01	1.391E-01	1.280E-01		
0700 - 0800	11	1.068E+01	6.016E-01	3.864E-01	3.555E-01	7.049E+00	3.971E-01	2.550E-01	2.346E-01		
0800 - 0900	8	1.068E+01	6.016E-01	3.864E-01	3.555E-01	5.127E+00	2.888E-01	1.855E-01	1.706E-01		
0900 - 1000	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.845E+00	2.166E-01	1.391E-01	1.280E-01		
1000 - 1100	7	1.068E+01	6.016E-01	3.864E-01	3.555E-01	4.486E+00	2.527E-01	1.623E-01	1.493E-01		
1100 - 1200	8	1.068E+01	6.016E-01	3.864E-01	3.555E-01	5.127E+00	2.888E-01	1.855E-01	1.706E-01		
1200 - 1300	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01	6.408E+00	3.610E-01	2.318E-01	2.133E-01		
1300 - 1400	5	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.204E+00	1.805E-01	1.159E-01	1.067E-01		
1400 - 1500	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.845E+00	2.166E-01	1.391E-01	1.280E-01		
1500 - 1600	5	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.204E+00	1.805E-01	1.159E-01	1.067E-01		
1600 - 1700	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.845E+00	2.166E-01	1.391E-01	1.280E-01		
1700 - 1800	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.845E+00	2.166E-01	1.391E-01	1.280E-01		
1800 - 1900	8	1.068E+01	6.016E-01	3.864E-01	3.555E-01	5.127E+00	2.888E-01	1.855E-01	1.706E-01		
1900 - 2000	7	1.068E+01	6.016E-01	3.864E-01	3.555E-01	4.486E+00	2.527E-01	1.623E-01	1.493E-01		
2000 - 2100	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01	6.408E+00	3.610E-01	2.318E-01	2.133E-01		
2100 - 2200	9	1.068E+01	6.016E-01	3.864E-01	3.555E-01	5.768E+00	3.249E-01	2.087E-01	1.920E-01		
2200 - 2300	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01	3.845E+00	2.166E-01	1.391E-01	1.280E-01		
2300 - 2400	11	1.068E+01	6.016E-01	3.864E-01	3.555E-01	7.049E+00	3.971E-01	2.550E-01	2.346E-01		

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Double-Deck Franchised Bus										
	Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	8.433E-01	4.750E-02	7.473E-03	7.473E-03	
0100 - 0200	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0200 - 0300	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0600 - 0700	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0700 - 0800	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	6.324E-01	3.562E-02	5.605E-03	5.605E-03	
0800 - 0900	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0900 - 1000	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	2.108E-01	1.187E-02	1.868E-03	1.868E-03	
1000 - 1100	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	1.054E+00	5.937E-02	9.341E-03	9.341E-03	
1100 - 1200	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	8.433E-01	4.750E-02	7.473E-03	7.473E-03	
1200 - 1300	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	6.324E-01	3.562E-02	5.605E-03	5.605E-03	
1300 - 1400	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	
1400 - 1500	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1500 - 1600	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1600 - 1700	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1700 - 1800	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1800 - 1900	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	6.324E-01	3.562E-02	5.605E-03	5.605E-03	
1900 - 2000	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	
2000 - 2100	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	6.324E-01	3.562E-02	5.605E-03	5.605E-03	
2100 - 2200	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	
2200 - 2300	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	6.324E-01	3.562E-02	5.605E-03	5.605E-03	
2300 - 2400	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.868E-03	8.433E-01	4.750E-02	7.473E-03	7.473E-03	

Sha Tin Wai Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4.514E+00	2.549E-01	1.271E-01	1.179E-01		1.254E-03	7.081E-05	3.531E-05	3.274E-05	
0100 - 0200	8.516E-01	4.797E-02	2.505E-02	2.320E-02		2.366E-04	1.333E-05	6.959E-06	6.444E-06	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	3.060E+00	1.737E-01	7.889E-02	7.333E-02		8.499E-04	4.824E-05	2.191E-05	2.037E-05	
0600 - 0700	6.221E+00	3.543E-01	1.578E-01	1.467E-01		1.728E-03	9.843E-05	4.383E-05	4.074E-05	
0700 - 0800	1.149E+01	6.541E-01	2.905E-01	2.701E-01		3.193E-03	1.817E-04	8.070E-05	7.503E-05	
0800 - 0900	8.988E+00	5.135E-01	2.154E-01	2.005E-01		2.497E-03	1.426E-04	5.982E-05	5.570E-05	
0900 - 1000	6.494E+00	3.707E-01	1.597E-01	1.485E-01		1.804E-03	1.030E-04	4.435E-05	4.126E-05	
1000 - 1100	6.466E+00	3.655E-01	1.791E-01	1.661E-01		1.796E-03	1.015E-04	4.975E-05	4.615E-05	
1100 - 1200	7.805E+00	4.420E-01	2.079E-01	1.931E-01		2.168E-03	1.228E-04	5.775E-05	5.363E-05	
1200 - 1300	2.269E+01	1.287E+00	2.636E-01	2.451E-01		6.301E-03	3.574E-04	7.322E-05	6.807E-05	
1300 - 1400	5.019E+00	2.847E-01	1.309E-01	1.216E-01		1.394E-03	7.908E-05	3.635E-05	3.378E-05	
1400 - 1500	1.905E+01	1.081E+00	1.615E-01	1.504E-01		5.291E-03	3.004E-04	4.487E-05	4.178E-05	
1500 - 1600	5.654E+00	3.235E-01	1.346E-01	1.253E-01		1.571E-03	8.987E-05	3.739E-05	3.481E-05	
1600 - 1700	3.120E+01	1.767E+00	1.615E-01	1.504E-01		8.665E-03	4.908E-04	4.487E-05	4.178E-05	
1700 - 1800	1.910E+01	1.085E+00	1.615E-01	1.504E-01		5.306E-03	3.014E-04	4.487E-05	4.178E-05	
1800 - 1900	8.221E+00	4.683E-01	2.098E-01	1.949E-01		2.284E-03	1.301E-04	5.827E-05	5.415E-05	
1900 - 2000	7.435E+00	4.248E-01	1.847E-01	1.717E-01		2.065E-03	1.180E-04	5.131E-05	4.770E-05	
2000 - 2100	2.273E+01	1.290E+00	2.636E-01	2.451E-01		6.315E-03	3.583E-04	7.322E-05	6.807E-05	
2100 - 2200	4.631E+01	2.622E+00	2.385E-01	2.219E-01		1.286E-02	7.283E-04	6.626E-05	6.163E-05	
2200 - 2300	1.817E+01	1.028E+00	1.559E-01	1.448E-01		5.047E-03	2.857E-04	4.331E-05	4.022E-05	
2300 - 2400	2.360E+01	1.339E+00	2.887E-01	2.683E-01		6.556E-03	3.720E-04	8.018E-05	7.452E-05	

Pok Hong Terminus

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0
2100 - 2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
1	0	0	0	
0	0	0	0	
0	0	0	0	
2	0	0	0	
0	0	0	0	
1	0	0	0	
4	0	0	0	
3	0	0	0	
17	1	0	0	
0	0	0	0	
11	1	0	0	
0	0	0	0	
0	0	0	0	
2	0	0	0	
2	0	0	0	
0	0	0	0	
0	0	0	0	
4	0	0	0	
26	2	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	

Pok Hong Terminus

Idling Emission - Terminating Buses

Idling Time for Terminating Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus									
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	Frequency	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP
0000 - 0100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	3.736E-03	3.736E-03
0300 - 0400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.265E+00	7.125E-02	1.121E-02	1.121E-02	1.121E-02	1.121E-02
0600 - 0700	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03	8.433E-01	4.750E-02	7.473E-03	7.473E-03	7.473E-03	7.473E-03
0800 - 0900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.687E+00	9.499E-02	1.495E-02	1.495E-02	1.495E-02	1.495E-02
0900 - 1000	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03	8.433E-01	4.750E-02	7.473E-03	7.473E-03	7.473E-03	7.473E-03
1000 - 1100	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.687E+00	9.499E-02	1.495E-02	1.495E-02	1.495E-02	1.495E-02
1100 - 1200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1200 - 1300	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03	7.473E-03	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1300 - 1400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1400 - 1500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1500 - 1600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	3.736E-03	3.736E-03
1600 - 1700	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	3.736E-03	3.736E-03
1700 - 1800	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	3.736E-03	3.736E-03
2000 - 2100	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02	1.121E-02	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Average Distance from Starting Place to PTI Egress =	50	m
Average Spread Distance outside PTI =	650	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)					
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	
0000 - 0100	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	4.216E-01	2.375E-02	3.736E-03	3.736E-03	3.736E-03	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.460E-02	2.595E-03	0.000E+00	0.000E+00	3.460E-02	2.595E-03	0.000E+00	0.000E+00	4.498E-01	3.373E-02	0.000E+00	0.000E+00	1.249E-04	9.370E-06	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	1.265E+00	7.125E-02	1.121E-02	1.121E-02	1.121E-02	6.324E-01	3.562E-02	5.605E-03	5.605E-03	1.038E-01	7.784E-03	0.000E+00	0.000E+00	1.349E+00	1.012E-01	0.000E+00	0.000E+00	3.748E-04	2.811E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0700 - 0800	8.433E-01	4.750E-02	7.473E-03	7.473E-03	7.473E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	6.920E-02	5.189E-03	0.000E+00	0.000E+00	8.996E-01	6.746E-02	0.000E+00	0.000E+00	2.499E-04	1.874E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0800 - 0900	1.687E+00	9.499E-02	1.495E-02	1.495E-02	1.495E-02	8.433E-01	4.750E-02	7.473E-03	7.473E-03	2.576E-01	1.863E-02	0.000E+00	0.000E+00	3.349E+00	2.422E-01	0.000E+00	0.000E+00	9.302E-04	6.727E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0900 - 1000	8.433E-01	4.750E-02	7.473E-03	7.473E-03	7.473E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03	1.784E-01	1.275E-02	0.000E+00	0.000E+00	2.320E+00	1.658E-01	0.000E+00	0.000E+00	6.444E-04	4.605E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1000 - 1100	1.444E+01	8.132E-01	1.868E-02	1.868E-02	1.868E-02	7.219E+00	4.066E-01	9.341E-03	9.341E-03	6.861E-01	5.424E-02	0.000E+00	0.000E+00	8.919E+00	7.051E-01	0.000E+00	0.000E+00	2.477E-03	1.959E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

Pok Hong Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	100	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.272E+00	2.406E-01	1.546E-01	1.422E-01	
0100 - 0200	2	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.136E+00	1.203E-01	7.728E-02	7.110E-02	
0200 - 0300	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.068E+00	6.016E-02	3.864E-02	3.555E-02	
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.068E+00	6.016E-02	3.864E-02	3.555E-02	
0500 - 0600	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.408E+00	3.610E-01	2.318E-01	2.135E-01	
0600 - 0700	3	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.204E+00	1.805E-01	1.159E-01	1.067E-01	
0700 - 0800	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.388E+01	7.821E-01	5.023E-01	4.622E-01	
0800 - 0900	24	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.563E+01	1.444E+00	9.274E-01	8.532E-01	
0900 - 1000	20	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.136E+01	1.203E+00	7.728E-01	7.110E-01	
1000 - 1100	16	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.709E+01	9.626E-01	6.182E-01	5.688E-01	
1100 - 1200	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1200 - 1300	20	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.136E+01	1.203E+00	7.728E-01	7.110E-01	
1300 - 1400	14	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.495E+01	8.422E-01	5.410E-01	4.977E-01	
1400 - 1500	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.816E+01	1.023E+00	6.569E-01	6.044E-01	
1500 - 1600	20	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.136E+01	1.203E+00	7.728E-01	7.110E-01	
1600 - 1700	14	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.495E+01	8.422E-01	5.410E-01	4.977E-01	
1700 - 1800	2	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.136E+00	1.203E-01	7.728E-02	7.110E-02	
1800 - 1900	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.923E+01	1.083E+00	6.955E-01	6.399E-01	
1900 - 2000	21	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.243E+01	1.263E+00	8.114E-01	7.466E-01	
2000 - 2100	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.923E+01	1.083E+00	6.955E-01	6.399E-01	
2100 - 2200	12	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.282E+01	7.219E-01	4.637E-01	4.266E-01	
2200 - 2300	5	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.340E+00	3.008E-01	1.932E-01	1.778E-01	
2300 - 2400	5	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.340E+00	3.008E-01	1.932E-01	1.778E-01	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03		8.433E-01	4.750E-02	7.473E-03	7.473E-03	
0100 - 0200	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0200 - 0300	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0500 - 0600	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
0600 - 0700	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
0700 - 0800	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
0800 - 0900	20	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E+00	2.375E-01	3.736E-02	3.736E-02	
0900 - 1000	18	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.795E+00	2.137E-01	3.363E-02	3.363E-02	
1000 - 1100	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
1100 - 1200	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1200 - 1300	18	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.795E+00	2.137E-01	3.363E-02	3.363E-02	
1300 - 1400	14	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.951E+00	1.662E-01	2.615E-02	2.615E-02	
1400 - 1500	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
1500 - 1600	19	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.005E+00	2.256E-01	3.550E-02	3.550E-02	
1600 - 1700	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.741E+00	1.544E-01	2.429E-02	2.429E-02	
1700 - 1800	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
1800 - 1900	18	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.795E+00	2.137E-01	3.363E-02	3.363E-02	
1900 - 2000	20	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E+00	2.375E-01	3.736E-02	3.736E-02	
2000 - 2100	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
2100 - 2200	12	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.530E+00	1.425E-01	2.242E-02	2.242E-02	
2200 - 2300	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	
2300 - 2400	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	

Pok Hong Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	5.115E+00	2.881E-01	1.620E-01	1.497E-01		1.421E-03	8.004E-05	4.501E-05	4.158E-05	
0100 - 0200	2.558E+00	1.441E-01	8.102E-02	7.484E-02		7.105E-04	4.002E-05	2.250E-05	2.079E-05	
0200 - 0300	1.524E+00	8.650E-02	4.238E-02	3.929E-02		4.234E-04	2.403E-05	1.177E-05	1.091E-05	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	1.279E+00	7.203E-02	4.051E-02	3.742E-02		3.552E-04	2.001E-05	1.125E-05	1.039E-05	
0500 - 0600	8.409E+00	4.756E-01	2.487E-01	2.301E-01		2.336E-03	1.321E-04	6.907E-05	6.392E-05	
0600 - 0700	3.837E+00	2.181E-01	1.215E-01	1.123E-01		1.066E-03	6.003E-05	3.376E-05	3.118E-05	
0700 - 0800	1.712E+01	9.654E-01	5.303E-01	4.902E-01		4.754E-03	2.682E-04	1.473E-04	1.362E-04	
0800 - 0900	3.179E+01	1.795E+00	9.797E-01	9.055E-01		8.832E-03	4.986E-04	2.721E-04	2.515E-04	
0900 - 1000	2.618E+01	1.477E+00	8.139E-01	7.521E-01		7.272E-03	4.103E-04	2.261E-04	2.089E-04	
1000 - 1100	3.453E+01	1.961E+00	6.575E-01	6.080E-01		9.592E-03	5.446E-04	1.826E-04	1.689E-04	
1100 - 1200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1200 - 1300	5.066E+01	2.859E+00	8.139E-01	7.521E-01		1.407E-02	7.940E-04	2.261E-04	2.089E-04	
1300 - 1400	1.790E+01	1.008E+00	5.871E-01	5.239E-01		4.973E-03	2.801E-04	1.575E-04	1.455E-04	
1400 - 1500	2.174E+01	1.225E+00	6.886E-01	6.361E-01		6.039E-03	3.402E-04	1.913E-04	1.767E-04	
1500 - 1600	2.594E+01	1.463E+00	8.120E-01	7.502E-01		7.206E-03	4.065E-04	2.256E-04	2.084E-04	
1600 - 1700	1.822E+01	1.028E+00	5.690E-01	5.257E-01		5.061E-03	2.855E-04	1.581E-04	1.460E-04	
1700 - 1800	2.558E+00	1.441E-01	8.102E-02	7.484E-02		7.105E-04	4.002E-05	2.250E-05	2.079E-05	
1800 - 1900	2.302E+01	1.297E+00	7.291E-01	6.735E-01		6.394E-03	3.602E-04	2.025E-04	1.871E-04	
1900 - 2000	2.733E+01	1.543E+00	8.525E-01	7.876E-01		7.592E-03	4.286E-04	2.368E-04	2.188E-04	
2000 - 2100	6.116E+01	3.469E+00	7.348E-01	6.791E-01		1.699E-02	9.637E-04	2.041E-04	1.886E-04	
2100 - 2200	1.535E+01	8.644E-01	4.861E-01	4.490E-01		4.263E-03	2.401E-04	1.350E-04	1.247E-04	
2200 - 2300	6.394E+00	3.602E-01	2.025E-01	1.871E-01		1.776E-03	1.000E-04	5.626E-05	5.197E-05	
2300 - 2400	6.394E+00	3.602E-01	2.025E-01	1.871E-01		1.776E-03	1.000E-04	5.626E-05	5.197E-05	

Shui Chuen O Terminus (Bus)

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	5	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	3	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	2	3	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	2	1	11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	1	9	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	5	6	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	1	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	5	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	1	3	10	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	2	3	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	2	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	1	3	10	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	2	6	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	8	2	0	0	2	1	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	5	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2300 - 2400	1	3	3	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
9	1	0	0	
0	0	0	0	
7	0	0	0	
0	0	0	0	
0	0	0	0	
7	0	0	0	
25	2	0	0	
25	2	0	0	
27	2	0	0	
26	2	0	0	
36	3	0	0	
30	2	0	0	
21	1	0	0	
24	2	0	0	
26	2	0	0	
25	2	0	0	
32	2	0	0	
26	2	0	0	
23	2	0	0	
35	2	0	0	
27	2	0	0	
37	3	0	0	
20	1	0	0	
26	2	0	0	

Shui Chuen O Terminus (Bus)

Idling Emission - Terminating Buses

Idling Time for Terminating Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus									
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	1.868E-02	
0100 - 0200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	1.868E-02	
0600 - 0700	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03	6.746E+00	3.800E-01	5.978E-02	5.978E-02	5.978E-02	
0700 - 0800	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	18	2.108E-01	1.187E-02	1.868E-03	1.868E-03	7.589E+00	4.275E-01	6.725E-02	6.725E-02	6.725E-02	
0800 - 0900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03	6.746E+00	3.800E-01	5.978E-02	5.978E-02	5.978E-02	
0900 - 1000	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03	6.746E+00	3.800E-01	5.978E-02	5.978E-02	5.978E-02	
1000 - 1100	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02		11	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.638E+00	2.612E-01	4.110E-02	4.110E-02	4.110E-02	
1100 - 1200	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03		12	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.060E+00	2.850E-01	4.484E-02	4.484E-02	4.484E-02	
1200 - 1300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	12	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.060E+00	2.850E-01	4.484E-02	4.484E-02	4.484E-02	
1300 - 1400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	12	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.060E+00	2.850E-01	4.484E-02	4.484E-02	4.484E-02	
1400 - 1500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	14	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.903E+00	3.325E-01	5.231E-02	5.231E-02	5.231E-02	
1500 - 1600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.638E+00	2.612E-01	4.110E-02	4.110E-02	4.110E-02	
1600 - 1700	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	18	2.108E-01	1.187E-02	1.868E-03	1.868E-03	7.589E+00	4.275E-01	6.725E-02	6.725E-02	6.725E-02	
1700 - 1800	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03	7.168E+00	4.037E-01	6.352E-02	6.352E-02	6.352E-02	
1800 - 1900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.481E+00	3.087E-01	4.857E-02	4.857E-02	4.857E-02	
1900 - 2000	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03		15	2.108E-01	1.187E-02	1.868E-03	1.868E-03	6.324E+00	3.562E-01	5.605E-02	5.605E-02	5.605E-02	
2000 - 2100	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		12	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.060E+00	2.850E-01	4.484E-02	4.484E-02	4.484E-02	
2100 - 2200	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02		10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02	3.736E-02	
2200 - 2300	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		7	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.951E+00	1.662E-01	2.615E-02	2.615E-02	2.615E-02	
2300 - 2400	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03		9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02	3.363E-02	

Average Distance from Starting Place to PTI Egress =	65	m
Average Spread Distance outside PTI =	635	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	2.108E+00	1.187E-01	1.868E-02	1.868E-02		1.054E+00	5.937E-02	9.341E-03	9.341E-03		7.413E-01	5.263E-02	0.000E+00	0.000E+00		7.242E+00	5.142E-01	0.000E+00	0.000E+00		2.012E-03	1.428E-04	0.000E+00	0.000E+00	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	1.275E+01	7.182E-01	3.736E-03	3.736E-03		6.375E+00	3.591E-01	1.868E-03	1.868E-03		6.644E-02	1.228E-02	0.000E+00	0.000E+00		6.491E-01	1.200E-01	0.000E+00	0.000E+00		1.803E-04	3.334E-05	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	2.108E+00	1.187E-01	1.868E-02	1.868E-02		1.054E+00	5.937E-02	9.341E-03	9.341E-03		5.477E-01	3.922E-02	0.000E+00	0.000E+00		5.350E+00	3.831E-01	0.000E+00	0.000E+00		1.486E-03	1.064E-04	0.000E+00	0.000E+00	
0600 - 0700	6.746E+00	3.800E-01	5.978E-02	5.978E-02		3.373E+00	1.900E-01	2.989E-02	2.989E-02		2.037E+00	1.452E-01	0.000E+00	0.000E+00		1.990E+01	1.418E+00	0.000E+00	0.000E+00		5.527E-03	3.939E-04	0.000E+00	0.000E+00	
0700 - 0800	7.589E+00	4.275E-01	6.725E-02	6.725E-02		3.795E+00	2.137E-01	3.363E-02	3.363E-02		1.972E+00	1.412E-01	0.000E+00	0.000E+00		1.926E+01	1.379E+00	0.000E+00	0.000E+00		5.350E-03	3.831E-04	0.000E+00	0.000E+00	
0800 - 0900	6.746E+00	3.800E-01	5.978E-02	5.978E-02		3.373E+00	1.900E-01	2.989E-02	2.989E-02		2.192E+00	1.559E-01	0.000E+00	0.000E+00		2.141E+01	1.523E+00	0.000E+00	0.000E+00		5.947E-03	4.231E-04	0.000E+00	0.000E+00	
0900 - 1000	6.746E+00	3.800E-01	5.978E-02	5.978E-02		3.373E+00	1.900E-01	2.989E-02	2.989E-02		2.127E+00	1.514E-01	0.000E+00	0.000E+00		2.078E+01	1.479E+00	0.000E+00	0.000E+00		5.772E-03	4.110E-04	0.000E+00	0.000E+00	
1000 - 1100	4.289E+01	2.416E+00	5.231E-02	5.231E-02		2.145E+01	1.208E+00	2.615E-02	2.615E-02		1.378E+00	1.214E-01	0.000E+00	0.000E+00		1.347E+01	1.186E+00	0.000E+00	0.000E+00		3.740E-03	3.293E-04	0.000E+00	0.000E+00	
1100 - 1200	3.066E+01	1.721E+00	5.231E-02	5.231E-02		1.528E+01	8.607E-01	2.615E-02	2.615E-02		1.370E+00	1.133E-01	0.000E+00	0.000E+00		1.338E+01	1.107E+00	0.000E+00	0.000E+00		3.717E-03	3.075E-04	0.000E+00	0.000E+00	
1200 - 1300	5.060E+00	2.850E-01	4.484E-02	4.484E-02		2.530E+00	1.425E-01	2.242E-02	2.242E-02		1.715E+00	1.218E-01	0.000E+00	0.000E+00		1.675E+01	1.190E+00	0.000E+00	0.000E+00		4.653E-03	3.307E-04	0.000E+00	0.000E+00	
1300 - 1400	5.060E+00	2.850E-01	4.484E-02	4.484E-02		2.530E+00	1.425E-01	2.242E-02	2.242E-02		1.999E+00	1.415E-01	0.000E+00	0.000E+00		1.953E+01	1.383E+00	0.000E+00	0.000E+00		5.424E-03	3.841E-04	0.000E+00	0.000E+00	
1400 - 1500	5.903E+00</																								

Shui Chuen O Terminus (Bus)

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	130	m
Average Travelling Speed =	10	km/h

Double-Deck Franchised Bus											
Hour	Frequency	Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	12	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.666E+01	9.385E-01	6.028E-01	5.546E-01	
0100 - 0200	2	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.777E+00	1.564E-01	1.005E-01	9.243E-02	
0200 - 0300	3	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.165E+00	2.346E-01	1.507E-01	1.386E-01	
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	2	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.777E+00	1.564E-01	1.005E-01	9.243E-02	
0500 - 0600	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.388E+01	7.821E-01	5.023E-01	4.622E-01	
0600 - 0700	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.499E+01	1.408E+00	9.042E-01	8.319E-01	
0700 - 0800	29	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.027E+01	2.268E+00	1.457E+00	1.340E+00	
0800 - 0900	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.055E+01	1.721E+00	1.105E+00	1.017E+00	
0900 - 1000	20	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.777E+01	1.564E+00	1.005E+00	9.243E-01	
1000 - 1100	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.360E+01	1.330E+00	8.539E-01	7.857E-01	
1100 - 1200	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.360E+01	1.330E+00	8.539E-01	7.857E-01	
1200 - 1300	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.499E+01	1.408E+00	9.042E-01	8.319E-01	
1300 - 1400	14	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.944E+01	1.095E+00	7.032E-01	6.470E-01	
1400 - 1500	16	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.222E+01	1.251E+00	8.037E-01	7.394E-01	
1500 - 1600	14	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.944E+01	1.095E+00	7.032E-01	6.470E-01	
1600 - 1700	19	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.638E+01	1.486E+00	9.544E-01	8.781E-01	
1700 - 1800	19	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.638E+01	1.486E+00	9.544E-01	8.781E-01	
1800 - 1900	26	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.610E+01	2.033E+00	1.306E+00	1.202E+00	
1900 - 2000	33	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.582E+01	2.581E+00	1.658E+00	1.525E+00	
2000 - 2100	23	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.193E+01	1.799E+00	1.155E+00	1.063E+00	
2100 - 2200	19	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.638E+01	1.486E+00	9.544E-01	8.781E-01	
2200 - 2300	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.360E+01	1.330E+00	8.539E-01	7.857E-01	
2300 - 2400	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.805E+01	1.017E+00	6.530E-01	6.008E-01	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Double-Deck Franchised Bus											
Hour	Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
0100 - 0200	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0200 - 0300	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0500 - 0600	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	
0600 - 0700	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0700 - 0800	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
0800 - 0900	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.265E+00	7.125E-02	1.121E-02	1.121E-02	
0900 - 1000	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03		8.433E-01	4.750E-02	7.473E-03	7.473E-03	
1000 - 1100	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
1100 - 1200	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
1200 - 1300	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.265E+00	7.125E-02	1.121E-02	1.121E-02	
1300 - 1400	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
1400 - 1500	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
1500 - 1600	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
1600 - 1700	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
1700 - 1800	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
1800 - 1900	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.741E+00	1.544E-01	2.429E-02	2.429E-02	
1900 - 2000	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.373E+00	1.900E-01	2.989E-02	2.989E-02	
2000 - 2100	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E+00	1.187E-01	1.868E-02	1.868E-02	
2100 - 2200	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.265E+00	7.125E-02	1.121E-02	1.121E-02	
2200 - 2300	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
2300 - 2400	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	

Shui Chuen O Terminus (Bus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	2.099E+01	1.193E+00	6.345E-01	5.863E-01		5.830E-03	3.314E-04	1.763E-04	1.629E-04	
0100 - 0200	3.199E+00	1.802E-01	1.042E-01	9.617E-02		8.885E-04	5.005E-05	2.894E-05	2.671E-05	
0200 - 0300	1.740E+01	9.889E-01	1.582E-01	1.461E-01		4.835E-03	2.747E-04	4.394E-05	4.059E-05	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	3.199E+00	1.802E-01	1.042E-01	9.617E-02		8.885E-04	5.005E-05	2.894E-05	2.671E-05	
0500 - 0600	1.759E+01	9.994E-01	5.303E-01	4.902E-01		4.887E-03	2.776E-04	1.473E-04	1.362E-04	
0600 - 0700	3.420E+01	1.957E+00	9.677E-01	8.954E-01		9.499E-03	5.435E-04	2.688E-04	2.487E-04	
0700 - 0800	5.215E+01	2.967E+00	1.545E+00	1.428E+00		1.448E-02	8.243E-04	4.290E-04	3.967E-04	
0800 - 0900	4.075E+01	2.328E+00	1.176E+00	1.088E+00		1.132E-02	6.466E-04	3.267E-04	3.021E-04	
0900 - 1000	3.749E+01	2.143E+00	1.072E+00	9.916E-01		1.041E-02	5.953E-04	2.977E-04	2.754E-04	
1000 - 1100	6.851E+01	3.902E+00	9.119E-01	8.436E-01		1.903E-02	1.084E-03	2.533E-04	2.343E-04	
1100 - 1200	5.617E+01	3.200E+00	9.119E-01	8.436E-01		1.560E-02	8.889E-04	2.533E-04	2.343E-04	
1200 - 1300	3.303E+01	1.886E+00	9.602E-01	8.879E-01		9.175E-03	5.238E-04	2.667E-04	2.466E-04	
1300 - 1400	2.692E+01	1.545E+00	7.518E-01	6.956E-01		7.477E-03	4.292E-04	2.088E-04	1.932E-04	
1400 - 1500	3.069E+01	1.760E+00	8.598E-01	7.955E-01		8.526E-03	4.890E-04	2.388E-04	2.210E-04	
1500 - 1600	2.678E+01	1.538E+00	7.500E-01	6.937E-01		7.439E-03	4.272E-04	2.083E-04	1.927E-04	
1600 - 1700	3.682E+01	2.113E+00	1.024E+00	9.472E-01		1.023E-02	5.869E-04	2.843E-04	2.631E-04	
1700 - 1800	3.604E+01	2.061E+00	1.022E+00	9.453E-01		1.001E-02	5.725E-04	2.838E-04	2.626E-04	
1800 - 1900	4.619E+01	2.629E+00	1.379E+00	1.274E+00		1.283E-02	7.302E-04	3.830E-04	3.540E-04	
1900 - 2000	8.278E+01	4.705E+00	1.751E+00	1.619E+00		2.299E-02	1.307E-03	4.864E-04	4.496E-04	
2000 - 2100	5.349E+01	3.045E+00	1.223E+00	1.130E+00		1.486E-02	8.458E-04	3.396E-04	3.139E-04	
2100 - 2200	7.154E+01	4.074E+00	1.014E+00	9.379E-01		1.987E-02	1.132E-03	2.817E-04	2.605E-04	
2200 - 2300	4.235E+01	2.410E+00	9.006E-01	8.324E-01		1.176E-02	6.693E-04	2.502E-04	2.312E-04	
2300 - 2400	4.878E+01	2.779E+00	6.979E-01	6.456E-01		1.355E-02	7.718E-04	1.938E-04	1.793E-04	

Shui Chuen O Terminus (Minibus)

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ^[1] =	3.0
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	Starting Emission Factor (g/trip)																	
NO	1.748E+00	2.634E+00	4.190E+00	5.457E+00	6.437E+00	7.129E+00	7.532E+00	7.714E+00	7.686E+00	7.642E+00	7.584E+00	7.511E+00	7.423E+00	7.319E+00	7.201E+00	7.068E+00	6.920E+00	6.757E+00
NO ₂	9.200E-03	1.390E-02	2.220E-02	2.890E-02	3.400E-02	3.770E-02	3.980E-02	4.080E-02	4.060E-02	4.040E-02	4.010E-02	3.970E-02	3.930E-02	3.870E-02	3.810E-02	3.740E-02	3.660E-02	3.570E-02
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Public Light Bus (LPG)																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
 [2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2028 data of EMFAC-HK.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
1	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
3	0	0	0	
5	0	0	0	
5	0	0	0	
1	0	0	0	
0	0	0	0	
1	0	0	0	
3	0	0	0	
0	0	0	0	
4	0	0	0	
0	0	0	0	
3	0	0	0	
3	0	0	0	
2	0	0	0	
0	0	0	0	
0	0	0	0	

Shui Chuen O Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	2.226E+00	3.071E-01	5.734E-02	5.307E-02		6.184E-04	8.531E-05	1.593E-05	1.474E-05	
0700 - 0800	9.388E-01	1.727E-01	3.491E-02	3.224E-02		2.608E-04	4.799E-05	9.697E-06	8.956E-06	
0800 - 0900	5.633E-01	1.036E-01	2.094E-02	1.935E-02		1.565E-04	2.879E-05	5.818E-06	5.374E-06	
0900 - 1000	3.016E+00	2.615E-01	4.412E-02	4.092E-02		8.378E-04	7.263E-05	1.226E-05	1.137E-05	
1000 - 1100	3.754E+00	2.919E-01	4.412E-02	4.092E-02		1.043E-03	8.108E-05	1.226E-05	1.137E-05	
1100 - 1200	4.040E+00	3.169E-01	5.110E-02	4.737E-02		1.122E-03	8.803E-05	1.419E-05	1.316E-05	
1200 - 1300	1.475E+00	1.574E-01	2.867E-02	2.654E-02		4.097E-04	4.372E-05	7.964E-06	7.371E-06	
1300 - 1400	3.755E-01	6.910E-02	1.396E-02	1.290E-02		1.043E-04	1.919E-05	3.879E-06	3.583E-06	
1400 - 1500	1.522E+00	1.902E-01	3.565E-02	3.299E-02		4.227E-04	5.284E-05	9.903E-06	9.163E-06	
1500 - 1600	2.828E+00	2.269E-01	3.714E-02	3.447E-02		7.857E-04	6.303E-05	1.032E-05	9.575E-06	
1600 - 1700	1.878E-01	3.455E-02	6.982E-03	6.449E-03		5.216E-05	9.597E-06	1.939E-06	1.791E-06	
1700 - 1800	2.772E+00	2.114E-01	2.941E-02	2.728E-02		7.700E-04	5.873E-05	8.170E-06	7.578E-06	
1800 - 1900	1.878E-01	3.455E-02	6.982E-03	6.449E-03		5.216E-05	9.597E-06	1.939E-06	1.791E-06	
1900 - 2000	2.496E+00	2.124E-01	3.639E-02	3.373E-02		6.932E-04	5.901E-05	1.011E-05	9.369E-06	
2000 - 2100	2.137E+00	1.666E-01	2.243E-02	2.083E-02		5.937E-04	4.627E-05	6.231E-06	5.787E-06	
2100 - 2200	1.682E+00	1.058E-01	1.545E-02	1.438E-02		4.673E-04	2.938E-05	4.291E-06	3.995E-06	
2200 - 2300	1.878E-01	3.455E-02	6.982E-03	6.449E-03		5.216E-05	9.597E-06	1.939E-06	1.791E-06	
2300 - 2400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Chun Shek Terminus

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	3	3	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	4	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	4	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	1	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	1	2	5	0	0	3	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	1	0	4	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	2	1	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	1	1	4	3	1	0	1	0	2	0	0	0	0	0	0	0	0	0
1600 - 1700	0	1	3	2	1	1	3	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	2	1	5	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0
1800 - 1900	1	3	4	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	2	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	0	3	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
2200 - 2300	0	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
5	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
11	1	0	0	
24	2	0	0	
24	2	0	0	
25	2	0	0	
25	2	0	0	
34	2	0	0	
17	1	0	0	
28	2	0	0	
13	1	0	0	
15	1	0	0	
45	3	0	0	
35	2	0	0	
41	3	0	0	
22	1	0	0	
21	1	0	0	
9	1	0	0	
18	1	0	0	
13	1	0	0	
20	1	0	0	

Chun Shek Terminus

Idling Emission - Terminating Buses

Idling Time for Terminating Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus									
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.265E+00	7.125E-02	1.121E-02	1.121E-02	0.000E+00	
0100 - 0200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02	0.000E+00	
0600 - 0700	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	14	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.903E+00	3.325E-01	5.231E-02	5.231E-02	0.000E+00	
0700 - 0800	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	18	2.108E-01	1.187E-02	1.868E-03	1.868E-03	7.589E+00	4.275E-01	6.725E-02	6.725E-02	0.000E+00	
0800 - 0900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03	6.324E+00	3.562E-01	5.605E-02	5.605E-02	0.000E+00	
0900 - 1000	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.481E+00	3.087E-01	4.857E-02	4.857E-02	0.000E+00	
1000 - 1100	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02	1.121E-02	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	0.000E+00	
1100 - 1200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	0.000E+00	
1200 - 1300	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02	1.121E-02	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02	0.000E+00	
1300 - 1400	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02	0.000E+00	
1400 - 1500	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	0.000E+00	
1500 - 1600	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02	1.121E-02	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02	0.000E+00	
1600 - 1700	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02	1.121E-02	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	0.000E+00	
1700 - 1800	3	6.375E+00	3.591E-01	1.868E-03	1.868E-03	3.825E+01	2.155E+00	1.121E-02	1.121E-02	1.121E-02	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02	0.000E+00	
1800 - 1900	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02	0.000E+00	
1900 - 2000	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02	0.000E+00	
2000 - 2100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	0.000E+00	
2100 - 2200	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03	7.473E-03	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.687E+00	9.499E-02	1.495E-02	1.495E-02	0.000E+00	
2200 - 2300	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	0.000E+00	
2300 - 2400	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03	7.473E-03	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.687E+00	9.499E-02	1.495E-02	1.495E-02	0.000E+00	

Average Distance from Starting Place to PTI Egress =	45	m
Average Spread Distance outside PTI =	655	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1.265E+00	7.125E-02	1.121E-02	1.121E-02		6.324E-01	3.562E-02	5.605E-03	5.605E-03		2.990E-01	2.124E-02	0.000E+00	0.000E+00		4.352E+00	3.092E-01	0.000E+00	0.000E+00		1.209E-03	8.590E-05	0.000E+00	0.000E+00	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	2.530E+00	1.425E-01	2.242E-02	2.242E-02		1.265E+00	7.125E-02	1.121E-02	1.121E-02		6.373E-01	4.497E-02	0.000E+00	0.000E+00		9.225E+00	6.546E-01	0.000E+00	0.000E+00		2.562E-03	1.818E-04	0.000E+00	0.000E+00	
0600 - 0700	5.903E+00	3.325E-01	5.231E-02	5.231E-02		2.951E+00	1.662E-01	2.615E-02	2.615E-02		1.357E+00	9.647E-02	0.000E+00	0.000E+00		1.975E+01	1.404E+00	0.000E+00	0.000E+00		5.485E-03	3.901E-04	0.000E+00	0.000E+00	
0700 - 0800	7.589E+00	4.275E-01	6.725E-02	6.725E-02		3.795E+00	2.137E-01	3.363E-02	3.363E-02		1.302E+00	9.340E-02	0.000E+00	0.000E+00		1.896E+01	1.360E+00	0.000E+00	0.000E+00		5.266E-03	3.777E-04	0.000E+00	0.000E+00	
0800 - 0900	6.324E+00	3.562E-01	5.605E-02	5.605E-02		3.162E+00	1.781E-01	2.802E-02	2.802E-02		1.432E+00	1.019E-01	0.000E+00	0.000E+00		2.085E+01	1.483E+00	0.000E+00	0.000E+00		5.792E-03	4.119E-04	0.000E+00	0.000E+00	
0900 - 1000	5.481E+00	3.087E-01	4.857E-02	4.857E-02		2.741E+00	1.544E-01	2.429E-02	2.429E-02		1.406E+00	9.970E-02	0.000E+00	0.000E+00		2.046E+01	1.451E+00	0.000E+00	0.000E+00		5.684E-03	4.031E-04	0.000E+00	0.000E+00	
1000 - 1100	4.163E+01	2.345E+00	4.110E-02	4.110E-02		2.081E+01	1.172E+00	2.055E-02	2.055E-02		8.161E-01	7.392E-02	0.000E+00	0.000E+00		1.188E+01	1.076E+00	0.000E+00	0.000E+00		3.300E-03	2.989E-04	0.000E+00	0.000E+00	
1100 - 1200	3.373E+00	1.900E-01	2.989E-02	2.989E-02		1.687E+00	9.499E-02	1.495E-02	1.495E-02		9.731E-01	6.884E-02	0.000E+00	0.000E+00		1.416E+01	1.002E+00	0.000E+00	0.000E+00		3.935E-03	2.783E-04	0.000E+00	0.000E+00	
1200 - 1300	4.078E+01	2.297E+00	3.363E-02	3.363E-02		2.039E+01	1.149E+00	1.681E-02	1.681E-02		5.125E-01	5.253E-02	0.000E+00	0.000E+00		7.460E+00	7.646E-01	0.000E+00	0.000E+00		2.072E-03	2.124E-04	0.000E+00	0.000E+00	
1300 - 1400	1.528E+01	8.607E-01	2.615E-02	2.615E-02		7.640E+00	4.304E-01	1.308E-02	1.308E-02		3.669E-01	3.180E-02	0.000E+00	0.000E+00		5.341E+00	4.628E-01	0.000E+00	0.000E+00		1.483E-03	1.286E-04	0.000E+00	0.000E+00	
1400 - 1500	1.486E+01																								

Chun Shek Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	90	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
0100 - 0200	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E-01	5.414E-02	3.478E-02	3.200E-02	
0200 - 0300	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.768E+00	3.249E-01	2.087E-01	1.920E-01	
0600 - 0700	15	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.442E+01	8.122E-01	5.216E-01	4.799E-01	
0700 - 0800	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.115E+01	1.191E+00	7.651E-01	7.039E-01	
0800 - 0900	16	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.538E+01	8.663E-01	5.564E-01	5.119E-01	
0900 - 1000	14	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.346E+01	7.580E-01	4.869E-01	4.479E-01	
1000 - 1100	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.250E+01	7.039E-01	4.521E-01	4.159E-01	
1100 - 1200	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.250E+01	7.039E-01	4.521E-01	4.159E-01	
1200 - 1300	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.250E+01	7.039E-01	4.521E-01	4.159E-01	
1300 - 1400	12	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.154E+01	6.497E-01	4.173E-01	3.839E-01	
1400 - 1500	7	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.729E+00	3.790E-01	2.434E-01	2.240E-01	
1500 - 1600	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.250E+01	7.039E-01	4.521E-01	4.159E-01	
1600 - 1700	14	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.346E+01	7.580E-01	4.869E-01	4.479E-01	
1700 - 1800	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.250E+01	7.039E-01	4.521E-01	4.159E-01	
1800 - 1900	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.250E+01	7.039E-01	4.521E-01	4.159E-01	
1900 - 2000	15	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.442E+01	8.122E-01	5.216E-01	4.799E-01	
2000 - 2100	12	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.154E+01	6.497E-01	4.173E-01	3.839E-01	
2100 - 2200	15	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.442E+01	8.122E-01	5.216E-01	4.799E-01	
2200 - 2300	10	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
2300 - 2400	11	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.057E+01	5.956E-01	3.825E-01	3.519E-01	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
0100 - 0200	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0200 - 0300	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0700 - 0800	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03		8.433E-01	4.750E-02	7.473E-03	7.473E-03	
0800 - 0900	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0900 - 1000	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
1000 - 1100	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
1100 - 1200	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	
1200 - 1300	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03		8.433E-01	4.750E-02	7.473E-03	7.473E-03	
1300 - 1400	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	
1400 - 1500	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
1500 - 1600	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1600 - 1700	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
1700 - 1800	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1800 - 1900	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
1900 - 2000	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	
2000 - 2100	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
2100 - 2200	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
2200 - 2300	4	2.108E-01	1.187E-02	1.868E-03	1.868E-03		8.433E-01	4.750E-02	7.473E-03	7.473E-03	
2300 - 2400	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	

Chun Shek Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1.265E+01	7.171E-01	3.720E-01	3.442E-01		3.514E-03	1.992E-04	1.033E-04	9.562E-05	
0100 - 0200	1.172E+00	6.602E-02	3.664E-02	3.386E-02		3.256E-04	1.834E-05	1.018E-05	9.406E-06	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	8.931E+00	5.123E-01	2.311E-01	2.144E-01		2.481E-03	1.423E-04	6.419E-05	5.955E-05	
0600 - 0700	2.189E+01	1.253E+00	5.758E-01	5.341E-01		6.080E-03	3.481E-04	1.599E-04	1.484E-04	
0700 - 0800	3.088E+01	1.760E+00	8.398E-01	7.786E-01		8.578E-03	4.888E-04	2.333E-04	2.163E-04	
0800 - 0900	2.335E+01	1.336E+00	6.143E-01	5.698E-01		6.485E-03	3.712E-04	1.706E-04	1.583E-04	
0900 - 1000	2.056E+01	1.178E+00	5.373E-01	4.984E-01		5.710E-03	3.273E-04	1.493E-04	1.384E-04	
1000 - 1100	5.536E+01	3.146E+00	4.969E-01	4.608E-01		1.538E-02	8.739E-04	1.380E-04	1.280E-04	
1100 - 1200	1.790E+01	1.022E+00	4.913E-01	4.552E-01		4.971E-03	2.839E-04	1.365E-04	1.264E-04	
1200 - 1300	5.463E+01	3.101E+00	4.932E-01	4.570E-01		1.518E-02	8.614E-04	1.370E-04	1.270E-04	
1300 - 1400	2.824E+01	1.602E+00	4.528E-01	4.194E-01		7.844E-03	4.449E-04	1.258E-04	1.165E-04	
1400 - 1500	2.227E+01	1.267E+00	2.677E-01	2.483E-01		6.186E-03	3.518E-04	7.437E-05	6.896E-05	
1500 - 1600	5.651E+01	3.220E+00	5.007E-01	4.645E-01		1.570E-02	8.946E-04	1.391E-04	1.290E-04	
1600 - 1700	5.662E+01	3.218E+00	5.336E-01	4.946E-01		1.573E-02	8.940E-04	1.482E-04	1.374E-04	
1700 - 1800	5.625E+01	3.203E+00	5.007E-01	4.645E-01		1.563E-02	8.897E-04	1.391E-04	1.290E-04	
1800 - 1900	3.073E+01	1.749E+00	4.969E-01	4.608E-01		8.535E-03	4.857E-04	1.380E-04	1.280E-04	
1900 - 2000	3.281E+01	1.865E+00	5.683E-01	5.266E-01		9.114E-03	5.181E-04	1.579E-04	1.463E-04	
2000 - 2100	1.563E+01	8.880E-01	4.491E-01	4.157E-01		4.342E-03	2.467E-04	1.247E-04	1.155E-04	
2100 - 2200	4.382E+01	2.484E+00	5.609E-01	5.192E-01		1.217E-02	6.899E-04	1.558E-04	1.442E-04	
2200 - 2300	2.569E+01	1.458E+00	3.777E-01	3.498E-01		7.135E-03	4.050E-04	1.049E-04	9.718E-05	
2300 - 2400	3.924E+01	2.227E+00	4.143E-01	3.837E-01		1.090E-02	6.186E-04	1.151E-04	1.066E-04	

Sun Tin Wai Terminus

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	1	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	3	0	6	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	1	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	1	6	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	1	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	2	4	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	8	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	2	2	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	1	5	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	3	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	4	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	1	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
7	0	0	0	
12	1	0	0	
25	2	0	0	
13	1	0	0	
10	1	0	0	
14	1	0	0	
16	1	0	0	
17	1	0	0	
22	2	0	0	
15	1	0	0	
20	1	0	0	
24	2	0	0	
16	1	0	0	
15	1	0	0	
18	1	0	0	
20	1	0	0	
18	1	0	0	
13	1	0	0	
11	1	0	0	

Sun Tin Wai Terminus

Idling Emission - Terminating Buses

Idling Time for Terminating Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus									
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	1.868E-02	1.868E-02
0600 - 0700	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	2.989E-02	2.989E-02
0700 - 0800	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	12	2.108E-01	1.187E-02	1.868E-03	1.868E-03	5.060E+00	2.850E-01	4.484E-02	4.484E-02	4.484E-02	4.484E-02
0800 - 0900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	2.989E-02	2.989E-02
0900 - 1000	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02	2.242E-02	2.242E-02
1000 - 1100	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	1.868E-02	1.868E-02
1100 - 1200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	2.989E-02	2.989E-02
1200 - 1300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02	3.363E-02	3.363E-02
1300 - 1400	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02	3.363E-02	3.363E-02
1400 - 1500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02	3.363E-02	3.363E-02
1500 - 1600	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	2.989E-02	2.989E-02
1600 - 1700	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02	3.736E-02	3.736E-02
1700 - 1800	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02	3.736E-02	3.736E-02
1800 - 1900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02	3.736E-02	3.736E-02
1900 - 2000	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02	2.989E-02	2.989E-02
2000 - 2100	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03	3.736E-03	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02	3.363E-02	3.363E-02
2100 - 2200	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03	7.473E-03	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02	1.868E-02	1.868E-02
2200 - 2300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.951E+00	1.662E-01	2.615E-02	2.615E-02	2.615E-02	2.615E-02
2300 - 2400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02	2.242E-02	2.242E-02

Average Distance from Starting Place to PTI Egress =	25	m
Average Spread Distance outside PTI =	675	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)					
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	
0000 - 0100	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	2.108E+00	1.187E-01	1.868E-02	1.868E-02	1.868E-02	1.054E+00	5.937E-02	9.341E-03	9.341E-03	9.341E-03	2.156E-01	1.543E-02	0.000E+00	0.000E+00	0.000E+00	5.822E+00	4.165E-01	0.000E+00	0.000E+00	0.000E+00	1.617E-03	1.157E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	3.373E+00	1.900E-01	2.989E-02	2.989E-02	2.989E-02	1.687E+00	9.499E-02	1.495E-02	1.495E-02	1.495E-02	3.519E-01	2.516E-02	0.000E+00	0.000E+00	0.000E+00	9.502E+00	6.794E-01	0.000E+00	0.000E+00	2.639E-03	1.887E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0700 - 0800	1.781E+01	1.003E+00	4.857E-02	4.857E-02	4.857E-02	8.905E+00	5.016E-01	2.429E-02	2.429E-02	2.429E-02	5.708E-01	4.368E-02	0.000E+00	0.000E+00	0.000E+00	1.541E+01	1.179E+00	0.000E+00	0.000E+00	4.281E-03	3.276E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0800 - 0900	3.373E+00	1.900E-01	2.989E-02	2.989E-02	2.989E-02	1.687E+00	9.499E-02	1.495E-02	1.495E-02	1.495E-02	4.016E-01	2.860E-02	0.000E+00	0.000E+00	0.000E+00	1.084E+01	7.723E-01	0.000E+00	0.000E+00	3.012E-03	2.145E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0900 - 1000	2.530E+00	1.425E-01	2.242E-02	2.242E-02	2.242E-02	1.265E+00	7.125E-02	1.121E-02	1.121E-02	1.121E-02	3.124E-01	2.223E-02	0.000E+00	0.000E+00	0.000E+00	8.434E+00	6.001E-01	0.000E+00	0.000E+00	2.343E-03	1.667E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1000 - 1100	1.486E+01	8.370E-01	2.242E-02	2.242E-02	2.242E-02	7.430E+00	4.185E-01	1.121E-02	1.121E-02	1.121E-02	2.362E-01	1.981E-02	0.000E+00	0.000E+00	0.000E+00	6.377E+00	5.348E-01	0.000E+00	0.000E+00	1.771E-03	1.486E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	3.37																									

Sun Tin Wai Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	50	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.738E+00	2.106E-01	1.352E-01	1.244E-01	
0100 - 0200	2	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.068E+00	6.016E-02	3.864E-02	3.555E-02	
0200 - 0300	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	6	1.068E+01	6.016E-01	3.864E-01	3.555E-01		3.204E+00	1.805E-01	1.159E-01	1.067E-01	
0600 - 0700	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.079E+00	5.114E-01	3.284E-01	3.022E-01	
0700 - 0800	24	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.282E+01	7.219E-01	4.637E-01	4.266E-01	
0800 - 0900	16	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.544E+00	4.813E-01	3.091E-01	2.844E-01	
0900 - 1000	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
1000 - 1100	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.079E+00	5.114E-01	3.284E-01	3.022E-01	
1100 - 1200	16	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.544E+00	4.813E-01	3.091E-01	2.844E-01	
1200 - 1300	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.079E+00	5.114E-01	3.284E-01	3.022E-01	
1300 - 1400	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.079E+00	5.114E-01	3.284E-01	3.022E-01	
1400 - 1500	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
1500 - 1600	16	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.544E+00	4.813E-01	3.091E-01	2.844E-01	
1600 - 1700	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.175E+01	6.618E-01	4.250E-01	3.911E-01	
1700 - 1800	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
1800 - 1900	19	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.015E+01	5.715E-01	3.671E-01	3.377E-01	
1900 - 2000	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.079E+00	5.114E-01	3.284E-01	3.022E-01	
2000 - 2100	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
2100 - 2200	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
2200 - 2300	14	1.068E+01	6.016E-01	3.864E-01	3.555E-01		7.476E+00	4.211E-01	2.705E-01	2.489E-01	
2300 - 2400	15	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.010E+00	4.512E-01	2.898E-01	2.666E-01	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
0100 - 0200	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03	
0200 - 0300	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0600 - 0700	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
0700 - 0800	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
0800 - 0900	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	
0900 - 1000	12	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.530E+00	1.425E-01	2.242E-02	2.242E-02	
1000 - 1100	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
1100 - 1200	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	
1200 - 1300	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	
1300 - 1400	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
1400 - 1500	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
1500 - 1600	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
1600 - 1700	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
1700 - 1800	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	
1800 - 1900	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
1900 - 2000	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	
2000 - 2100	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	
2100 - 2200	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
2200 - 2300	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	
2300 - 2400	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	

Sun Tin Wai Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	5.214E+00	2.937E-01	1.483E-01	1.375E-01		1.448E-03	8.158E-05	4.120E-05	3.820E-05	
0100 - 0200	1.490E+00	8.391E-02	4.238E-02	3.929E-02		4.138E-04	2.331E-05	1.177E-05	1.091E-05	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	5.739E+00	3.265E-01	1.365E-01	1.272E-01		1.594E-03	9.070E-05	3.791E-05	3.533E-05	
0600 - 0700	1.470E+01	8.334E-01	3.751E-01	3.489E-01		4.084E-03	2.315E-04	1.042E-04	9.691E-05	
0700 - 0800	3.352E+01	1.899E+00	5.328E-01	4.957E-01		9.310E-03	5.276E-04	1.480E-04	1.377E-04	
0800 - 0900	1.401E+01	7.949E-01	3.540E-01	3.292E-01		3.890E-03	2.208E-04	9.832E-05	9.145E-05	
0900 - 1000	1.498E+01	8.487E-01	3.926E-01	3.648E-01		4.162E-03	2.357E-04	1.091E-04	1.013E-04	
1000 - 1100	2.649E+01	1.499E+00	3.714E-01	3.451E-01		7.359E-03	4.163E-04	1.032E-04	9.587E-05	
1100 - 1200	1.412E+01	8.028E-01	3.540E-01	3.292E-01		3.922E-03	2.230E-04	9.832E-05	9.145E-05	
1200 - 1300	1.511E+01	8.593E-01	3.770E-01	3.507E-01		4.198E-03	2.387E-04	1.047E-04	9.743E-05	
1300 - 1400	2.758E+01	1.563E+00	3.789E-01	3.526E-01		7.661E-03	4.343E-04	1.052E-04	9.795E-05	
1400 - 1500	1.576E+01	8.947E-01	3.982E-01	3.704E-01		4.379E-03	2.485E-04	1.106E-04	1.029E-04	
1500 - 1600	2.658E+01	1.506E+00	3.558E-01	3.311E-01		7.382E-03	4.184E-04	9.884E-05	9.197E-05	
1600 - 1700	3.160E+01	1.791E+00	4.867E-01	4.527E-01		8.778E-03	4.976E-04	1.352E-04	1.257E-04	
1700 - 1800	1.602E+01	9.096E-01	4.001E-01	3.723E-01		4.449E-03	2.527E-04	1.111E-04	1.034E-04	
1800 - 1900	1.672E+01	9.485E-01	4.213E-01	3.919E-01		4.643E-03	2.635E-04	1.170E-04	1.089E-04	
1900 - 2000	2.724E+01	1.542E+00	3.770E-01	3.507E-01		7.566E-03	4.284E-04	1.047E-04	9.743E-05	
2000 - 2100	2.826E+01	1.601E+00	4.001E-01	3.723E-01		7.851E-03	4.448E-04	1.111E-04	1.034E-04	
2100 - 2200	3.970E+01	2.245E+00	3.945E-01	3.667E-01		1.103E-02	6.236E-04	1.096E-04	1.018E-04	
2200 - 2300	1.231E+01	6.995E-01	3.097E-01	2.881E-01		3.420E-03	1.943E-04	8.603E-05	8.002E-05	
2300 - 2400	1.277E+01	7.245E-01	3.290E-01	3.059E-01		3.549E-03	2.013E-04	9.140E-05	8.496E-05	

Mei Lam Terminus

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0500 - 0600	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	1	2	4	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
0700 - 0800	2	3	5	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1
0800 - 0900	1	3	5	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
0900 - 1000	2	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	1	0	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1
1100 - 1200	3	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	1	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1300 - 1400	2	0	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1700 - 1800	3	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1800 - 1900	0	1	2	2	0	0	0	1	0	0	0	0	0	0	0	0	0	2
1900 - 2000	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
2000 - 2100	0	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	2	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
2300 - 2400	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
5	0	0	0	
2	0	0	0	
0	0	0	0	
0	0	0	0	
22	2	0	0	
4	0	0	0	
56	4	0	0	
79	6	0	0	
84	6	0	0	
13	1	0	0	
38	3	0	0	
12	1	0	0	
13	1	0	0	
14	1	0	0	
9	1	0	0	
10	1	0	0	
28	2	0	0	
32	2	0	0	
61	4	0	0	
49	3	0	0	
13	1	0	0	
15	1	0	0	
29	2	0	0	
13	1	0	0	

Mei Lam Terminus

Idling Emission - Terminating Buses

Idling Time for Terminating Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus									
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.265E+00	7.125E-02	1.121E-02	1.121E-02	1.121E-02	

Average Distance from Starting Place to PTI Egress =	25	m
Average Spread Distance outside PTI =	675	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1.265E+00	7.125E-02	1.121E-02	1.121E-02	1.121E-02	6.324E-01	3.562E-02	5.605E-03	5.605E-03	5.605E-03	1.462E-01	1.043E-02	0.000E+00	0.000E+00	0.000E+00	3.949E+00	2.815E-01	0.000E+00	0.000E+00	0.000E+00	1.097E-03	7.821E-05	0.000E+00	0.000E+00	0.000E+00

Mei Lam Terminus

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	50	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	8	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.272E+00	2.406E-01	1.546E-01	1.422E-01	
0100 - 0200	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.340E-01	3.008E-02	1.932E-02	1.778E-02	
0200 - 0300	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.340E-01	3.008E-02	1.932E-02	1.778E-02	
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	1	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.340E-01	3.008E-02	1.932E-02	1.778E-02	
0500 - 0600	4	1.068E+01	6.016E-01	3.864E-01	3.555E-01		2.136E+00	1.203E-01	7.728E-02	7.110E-02	
0600 - 0700	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
0700 - 0800	31	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.655E+01	9.325E-01	5.989E-01	5.510E-01	
0800 - 0900	30	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.602E+01	9.024E-01	5.796E-01	5.333E-01	
0900 - 1000	23	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.228E+01	6.918E-01	4.444E-01	4.088E-01	
1000 - 1100	23	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.228E+01	6.918E-01	4.444E-01	4.088E-01	
1100 - 1200	20	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.068E+01	6.016E-01	3.864E-01	3.555E-01	
1200 - 1300	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
1300 - 1400	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
1400 - 1500	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
1500 - 1600	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
1600 - 1700	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.079E+00	5.114E-01	3.284E-01	3.022E-01	
1700 - 1800	23	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.228E+01	6.918E-01	4.444E-01	4.088E-01	
1800 - 1900	29	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.549E+01	8.723E-01	5.603E-01	5.155E-01	
1900 - 2000	24	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.282E+01	7.219E-01	4.637E-01	4.266E-01	
2000 - 2100	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.175E+01	6.618E-01	4.250E-01	3.911E-01	
2100 - 2200	17	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.079E+00	5.114E-01	3.284E-01	3.022E-01	
2200 - 2300	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.613E+00	5.414E-01	3.478E-01	3.200E-01	
2300 - 2400	11	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.874E+00	3.309E-01	2.125E-01	1.955E-01	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.054E+00	5.937E-02	9.341E-03	9.341E-03	
0100 - 0200	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03	
0600 - 0700	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	
0700 - 0800	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
0800 - 0900	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
0900 - 1000	14	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.951E+00	1.662E-01	2.615E-02	2.615E-02	
1000 - 1100	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.373E+00	1.900E-01	2.989E-02	2.989E-02	
1100 - 1200	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.741E+00	1.544E-01	2.429E-02	2.429E-02	
1200 - 1300	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.741E+00	1.544E-01	2.429E-02	2.429E-02	
1300 - 1400	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
1400 - 1500	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
1500 - 1600	10	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.108E+00	1.187E-01	1.868E-02	1.868E-02	
1600 - 1700	12	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.530E+00	1.425E-01	2.242E-02	2.242E-02	
1700 - 1800	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
1800 - 1900	21	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.427E+00	2.494E-01	3.923E-02	3.923E-02	
1900 - 2000	19	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.005E+00	2.256E-01	3.550E-02	3.550E-02	
2000 - 2100	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
2100 - 2200	11	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.319E+00	1.306E-01	2.055E-02	2.055E-02	
2200 - 2300	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
2300 - 2400	8	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.687E+00	9.499E-02	1.495E-02	1.495E-02	

Mei Lam Terminus

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	6.737E+00	3.817E-01	1.751E-01	1.627E-01		1.872E-03	1.060E-04	4.864E-05	4.521E-05	
0100 - 0200	1.008E+00	5.753E-02	2.306E-02	2.151E-02		2.799E-04	1.598E-05	6.405E-06	5.975E-06	
0200 - 0300	7.448E-01	4.195E-02	2.119E-02	1.964E-02		2.069E-04	1.165E-05	5.886E-06	5.456E-06	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	1.385E+01	7.905E-01	2.306E-02	2.151E-02		3.848E-03	2.196E-04	6.405E-06	5.975E-06	
0500 - 0600	3.738E+00	2.125E-01	9.036E-02	8.418E-02		1.038E-03	5.902E-05	2.510E-05	2.338E-05	
0600 - 0700	4.167E+01	2.374E+00	4.001E-01	3.723E-01		1.158E-02	6.593E-04	1.111E-04	1.034E-04	
0700 - 0800	6.510E+01	3.704E+00	6.830E-01	6.351E-01		1.808E-02	1.029E-03	1.897E-04	1.764E-04	
0800 - 0900	7.642E+01	4.343E+00	6.599E-01	6.136E-01		2.123E-02	1.206E-03	1.833E-04	1.704E-04	
0900 - 1000	1.944E+01	1.101E+00	5.041E-01	4.686E-01		5.399E-03	3.058E-04	1.400E-04	1.302E-04	
1000 - 1100	4.414E+01	2.504E+00	5.004E-01	4.649E-01		1.226E-02	6.955E-04	1.390E-04	1.291E-04	
1100 - 1200	2.887E+01	1.632E+00	4.368E-01	4.059E-01		8.020E-03	4.533E-04	1.213E-04	1.128E-04	
1200 - 1300	2.701E+01	1.528E+00	3.907E-01	3.629E-01		7.503E-03	4.243E-04	1.085E-04	1.008E-04	
1300 - 1400	2.743E+01	1.551E+00	3.945E-01	3.667E-01		7.620E-03	4.310E-04	1.096E-04	1.018E-04	
1400 - 1500	1.515E+01	8.574E-01	3.945E-01	3.667E-01		4.208E-03	2.382E-04	1.096E-04	1.018E-04	
1500 - 1600	1.540E+01	8.722E-01	3.963E-01	3.685E-01		4.278E-03	2.423E-04	1.101E-04	1.024E-04	
1600 - 1700	2.677E+01	1.521E+00	3.695E-01	3.433E-01		7.436E-03	4.224E-04	1.026E-04	9.535E-05	
1700 - 1800	3.200E+01	1.817E+00	5.023E-01	4.667E-01		8.889E-03	5.047E-04	1.395E-04	1.296E-04	
1800 - 1900	6.173E+01	3.505E+00	6.294E-01	5.846E-01		1.715E-02	9.737E-04	1.748E-04	1.624E-04	
1900 - 2000	4.486E+01	2.550E+00	5.179E-01	4.808E-01		1.246E-02	7.083E-04	1.438E-04	1.335E-04	
2000 - 2100	2.997E+01	1.694E+00	4.755E-01	4.415E-01		8.326E-03	4.706E-04	1.321E-04	1.226E-04	
2100 - 2200	2.653E+01	1.501E+00	3.714E-01	3.451E-01		7.370E-03	4.171E-04	1.032E-04	9.587E-05	
2200 - 2300	3.926E+01	2.225E+00	3.870E-01	3.592E-01		1.091E-02	6.179E-04	1.075E-04	9.977E-05	
2300 - 2400	2.137E+01	1.210E+00	2.387E-01	2.217E-01		5.936E-03	3.360E-04	6.630E-05	6.158E-05	

Tai Wai Station Terminus (Bus)

Starting Emission

Starting Emission Factor (g/trip)																		
NO	6.952E-01	1.251E+00	1.669E+00	2.364E+00	2.920E+00	3.893E+00	5.701E+00	7.091E+00	1.043E+01	1.363E+01	1.529E+01	1.808E+01	1.988E+01	2.086E+01	2.141E+01	2.197E+01	2.225E+01	2.225E+01
NO ₂	4.820E-02	8.670E-02	1.156E-01	1.638E-01	2.024E-01	2.698E-01	3.951E-01	4.914E-01	7.227E-01	9.443E-01	1.060E+00	1.253E+00	1.378E+00	1.445E+00	1.484E+00	1.523E+00	1.542E+00	1.542E+00
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	2	1	5	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	1	3	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1500 - 1600	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
1700 - 1800	1	0	6	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	2	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	1	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
1	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
3	0	0	0	
8	1	0	0	
11	1	0	0	
18	1	0	0	
27	2	0	0	
18	1	0	0	
7	0	0	0	
20	1	0	0	
12	1	0	0	
24	2	0	0	
10	1	0	0	
20	1	0	0	
19	1	0	0	
15	1	0	0	
12	1	0	0	
7	1	0	0	
14	1	0	0	
7	0	0	0	
16	1	0	0	

Tai Wai Station Terminus (Bus)

Idling Emission - Terminating Buses		
Idling Time for Terminating Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus									
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E-01	2.375E-02	3.736E-03	3.736E-03		
0100 - 0200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0200 - 0300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0300 - 0400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0400 - 0500	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	2.108E-01	1.187E-02	1.868E-03	1.868E-03	8.433E-01	4.750E-02	7.473E-03	7.473E-03		
0600 - 0700	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02		
0700 - 0800	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.951E+00	1.662E-01	2.615E-02	2.615E-02		
0800 - 0900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02		
0900 - 1000	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		10	2.108E-01	1.187E-02	1.868E-03	1.868E-03	4.216E+00	2.375E-01	3.736E-02	3.736E-02		
1000 - 1100	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03		4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.687E+00	9.499E-02	1.495E-02	1.495E-02		
1100 - 1200	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.687E+00	9.499E-02	1.495E-02	1.495E-02		
1200 - 1300	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		7	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.951E+00	1.662E-01	2.615E-02	2.615E-02		
1300 - 1400	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02		
1400 - 1500	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02		
1500 - 1600	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02		
1600 - 1700	2	6.375E+00	3.591E-01	1.868E-03	1.868E-03	2.550E+01	1.436E+00	7.473E-03	7.473E-03		4	2.108E-01	1.187E-02	1.868E-03	1.868E-03	1.687E+00	9.499E-02	1.495E-02	1.495E-02		
1700 - 1800	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		8	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.373E+00	1.900E-01	2.989E-02	2.989E-02		
1800 - 1900	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02		
1900 - 2000	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		9	2.108E-01	1.187E-02	1.868E-03	1.868E-03	3.795E+00	2.137E-01	3.363E-02	3.363E-02		
2000 - 2100	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		6	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.530E+00	1.425E-01	2.242E-02	2.242E-02		
2100 - 2200	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02		
2200 - 2300	0	6.375E+00	3.591E-01	1.868E-03	1.868E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00		5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02		
2300 - 2400	1	6.375E+00	3.591E-01	1.868E-03	1.868E-03	1.275E+01	7.182E-01	3.736E-03	3.736E-03		5	2.108E-01	1.187E-02	1.868E-03	1.868E-03	2.108E+00	1.187E-01	1.868E-02	1.868E-02		

Average Distance from Starting Place to PTI Egress =	195	m
Average Spread Distance outside PTI =	505	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4.216E-01	2.375E-02	3.736E-03	3.736E-03		2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.899E-01	2.084E-02	0.000E+00	0.000E+00		7.507E-01	5.398E-02	0.000E+00	0.000E+00		2.085E-04	1.499E-05	0.000E+00	0.000E+00	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	8.433E-01	4.750E-02	7.473E-03	7.473E-03		4.216E-01	2.375E-02	3.736E-03	3.736E-03		6.959E-01	4.974E-02	0.000E+00	0.000E+00		1.802E+00	1.288E-01	0.000E+00	0.000E+00		5.006E-04	3.578E-05	0.000E+00	0.000E+00	
0600 - 0700	2.108E+00	1.187E-01	1.868E-02	1.868E-02		1.054E+00	5.937E-02	9.341E-03	9.341E-03		1.992E+00	1.418E-01	0.000E+00	0.000E+00		5.158E+00	3.672E-01	0.000E+00	0.000E+00		1.433E-03	1.020E-04	0.000E+00	0.000E+00	
0700 - 0800	2.951E+00	1.662E-01	2.615E-02	2.615E-02		1.476E+00	8.312E-02	1.308E-02	1.308E-02		2.610E+00	1.862E-01	0.000E+00	0.000E+00		6.760E+00	4.821E-01	0.000E+00	0.000E+00		1.878E-03	1.339E-04	0.000E+00	0.000E+00	
0800 - 0900	3.795E+00	2.137E-01	3.363E-02	3.363E-02		1.897E+00	1.069E-01	1.681E-02	1.681E-02		4.429E+00	3.138E-01	0.000E+00	0.000E+00		1.147E+01	8.126E-01	0.000E+00	0.000E+00		3.186E-03	2.257E-04	0.000E+00	0.000E+00	
0900 - 1000	1.697E+00	9.557E-01	4.110E-02	4.110E-02		8.484E+00	4.778E-01	2.055E-02	2.055E-02		5.073E+00	3.822E-01	0.000E+00	0.000E+00		1.314E+01	9.899E-01	0.000E+00	0.000E+00		3.650E-03	2.750E-04	0.000E+00	0.000E+00	
1000 - 1100	2.719E+01	1.531E+00	2.242E-02	2.242E-02		1.359E+01	7.657E-01	1.121E-02	1.121E-02		1.248E+00	1.356E-01	0.000E+00	0.000E+00		3.233E+00	3.513E-01	0.000E+00	0.000E+00		8.979E-04	9.757E-05	0.000E+00	0.000E+00	
1100 - 1200	1.687E+00	9.499E-02	1.495E-02	1.495E-02		8.433E-01	4.750E-02	7.473E-03	7.473E-03		1.624E+00	1.156E-01	0.000E+00	0.000E+00		4.206E+00	2.993E-01	0.000E+00	0.000E+00		1.168E-03	8.315E-05	0.000E+00	0.000E+00	
1200 - 1300	1.570E+01	8.845E-01	2.989E-02	2.989E-02		7.851E+00	4.422E-01	1.495E-02	1.495E-02		3.507E+00	2.713E-01	0.000E+00	0.000E+00		9.081E+00	7.027E-01	0.000E+00	0.000E+00		2.523E-03	1.952E-04	0.000E+00	0.000E+00	
1300 - 1400	2.530E+00	1.425E-01	2.242E-02	2.242E-02		1.265E+00	7.125E-02	1.121E-02	1.121E-02		3.017E+00	2.137E-01	0.000E+00	0.000E+00		7.814E+00	5.533E-01	0.000E+00	0.000E+00		2.171E-03	1.537E-04	0.000E+00	0.000E+00	
1400 - 1500	1.528E+01	8.607E-01	2.615E-02	2.615E-02		7.640E+00	4.304E-01	1.308E-02	1.308E-02		4.456E+00	3.364E-01	0.000E+00	0.000E+00		1.154E+01	8.712E-01	0.000E+00	0.000E+00		3.206E-03	2.420E-04	0.000E+00	0.000E+00	
1500 - 1600	2.530E+00	1.425E-01	2.242E-02	2.242E-02		1.265E+00	7.125E-02	1.121E-02</																	

Tai Wai Station Terminus (Bus)

Running Emission - Terminating and Bypass Buses

Average Travelling Distance within PTI =	390	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	16	1.068E+01	6.016E-01	3.864E-01	3.555E-01		6.665E+01	3.754E+00	2.411E+00	2.218E+00	
0100 - 0200	3	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.250E+01	7.039E-01	4.521E-01	4.159E-01	
0200 - 0300	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	1.068E+01	6.016E-01	3.864E-01	3.555E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	11	1.068E+01	6.016E-01	3.864E-01	3.555E-01		4.582E+01	2.581E+00	1.658E+00	1.525E+00	
0600 - 0700	26	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.083E+02	6.100E+00	3.918E+00	3.605E+00	
0700 - 0800	27	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.125E+02	6.335E+00	4.069E+00	3.743E+00	
0800 - 0900	26	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.083E+02	6.100E+00	3.918E+00	3.605E+00	
0900 - 1000	28	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.166E+02	6.569E+00	4.219E+00	3.882E+00	
1000 - 1100	21	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.747E+01	4.927E+00	3.165E+00	2.912E+00	
1100 - 1200	24	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.997E+01	5.631E+00	3.617E+00	3.327E+00	
1200 - 1300	24	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.997E+01	5.631E+00	3.617E+00	3.327E+00	
1300 - 1400	21	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.747E+01	4.927E+00	3.165E+00	2.912E+00	
1400 - 1500	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.164E+01	5.162E+00	3.315E+00	3.050E+00	
1500 - 1600	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.164E+01	5.162E+00	3.315E+00	3.050E+00	
1600 - 1700	23	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.580E+01	5.396E+00	3.466E+00	3.189E+00	
1700 - 1800	28	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.166E+02	6.569E+00	4.219E+00	3.882E+00	
1800 - 1900	33	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.375E+02	7.743E+00	4.973E+00	4.575E+00	
1900 - 2000	31	1.068E+01	6.016E-01	3.864E-01	3.555E-01		1.291E+02	7.273E+00	4.672E+00	4.298E+00	
2000 - 2100	22	1.068E+01	6.016E-01	3.864E-01	3.555E-01		9.164E+01	5.162E+00	3.315E+00	3.050E+00	
2100 - 2200	20	1.068E+01	6.016E-01	3.864E-01	3.555E-01		8.331E+01	4.692E+00	3.014E+00	2.773E+00	
2200 - 2300	18	1.068E+01	6.016E-01	3.864E-01	3.555E-01		7.498E+01	4.223E+00	2.713E+00	2.496E+00	
2300 - 2400	13	1.068E+01	6.016E-01	3.864E-01	3.555E-01		5.415E+01	3.050E+00	1.959E+00	1.802E+00	

Idling Emission - Bypass Buses

Idling Time for Bypass Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
0100 - 0200	3	2.108E-01	1.187E-02	1.868E-03	1.868E-03		6.324E-01	3.562E-02	5.605E-03	5.605E-03	
0200 - 0300	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.108E-01	1.187E-02	1.868E-03	1.868E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	9	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.897E+00	1.069E-01	1.681E-02	1.681E-02	
0600 - 0700	21	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.427E+00	2.494E-01	3.923E-02	3.923E-02	
0700 - 0800	20	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E+00	2.375E-01	3.736E-02	3.736E-02	
0800 - 0900	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
0900 - 1000	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
1000 - 1100	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
1100 - 1200	20	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.216E+00	2.375E-01	3.736E-02	3.736E-02	
1200 - 1300	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.373E+00	1.900E-01	2.989E-02	2.989E-02	
1300 - 1400	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
1400 - 1500	15	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.162E+00	1.781E-01	2.802E-02	2.802E-02	
1500 - 1600	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.373E+00	1.900E-01	2.989E-02	2.989E-02	
1600 - 1700	17	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.584E+00	2.019E-01	3.176E-02	3.176E-02	
1700 - 1800	19	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.005E+00	2.256E-01	3.550E-02	3.550E-02	
1800 - 1900	24	2.108E-01	1.187E-02	1.868E-03	1.868E-03		5.060E+00	2.850E-01	4.484E-02	4.484E-02	
1900 - 2000	22	2.108E-01	1.187E-02	1.868E-03	1.868E-03		4.638E+00	2.612E-01	4.110E-02	4.110E-02	
2000 - 2100	16	2.108E-01	1.187E-02	1.868E-03	1.868E-03		3.373E+00	1.900E-01	2.989E-02	2.989E-02	
2100 - 2200	14	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.951E+00	1.662E-01	2.615E-02	2.615E-02	
2200 - 2300	13	2.108E-01	1.187E-02	1.868E-03	1.868E-03		2.741E+00	1.544E-01	2.429E-02	2.429E-02	
2300 - 2400	7	2.108E-01	1.187E-02	1.868E-03	1.868E-03		1.476E+00	8.312E-02	1.308E-02	1.308E-02	

Tai Wai Station Terminus (Bus)

Total Hourly Emission

Hour	Emission Within PTI				
	Total Bus Emission (g)				
	(Running + Idling + Starting)				
	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	7.052E+01	3.977E+00	2.443E+00	2.250E+00	
0100 - 0200	1.313E+01	7.395E-01	4.577E-01	4.215E-01	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	4.926E+01	2.785E+00	1.682E+00	1.549E+00	
0600 - 0700	1.168E+02	6.610E+00	3.976E+00	3.663E+00	
0700 - 0800	1.222E+02	6.925E+00	4.132E+00	3.807E+00	
0800 - 0900	1.201E+02	6.830E+00	3.983E+00	3.670E+00	
0900 - 1000	1.423E+02	8.109E+00	4.292E+00	3.955E+00	
1000 - 1100	1.191E+02	6.772E+00	3.215E+00	2.962E+00	
1100 - 1200	1.075E+02	6.079E+00	3.669E+00	3.380E+00	
1200 - 1300	1.226E+02	6.977E+00	3.676E+00	3.387E+00	
1300 - 1400	9.618E+01	5.461E+00	3.215E+00	2.962E+00	
1400 - 1500	1.145E+02	6.537E+00	3.369E+00	3.104E+00	
1500 - 1600	9.998E+01	5.668E+00	3.368E+00	3.102E+00	
1600 - 1700	1.284E+02	7.306E+00	3.520E+00	3.243E+00	
1700 - 1800	1.399E+02	7.950E+00	4.289E+00	3.951E+00	
1800 - 1900	1.501E+02	8.509E+00	5.051E+00	4.654E+00	
1900 - 2000	1.403E+02	7.947E+00	4.746E+00	4.373E+00	
2000 - 2100	9.920E+01	5.614E+00	3.368E+00	3.102E+00	
2100 - 2200	1.029E+02	5.848E+00	3.062E+00	2.821E+00	
2200 - 2300	8.147E+01	4.614E+00	2.755E+00	2.539E+00	
2300 - 2400	7.279E+01	4.157E+00	1.995E+00	1.838E+00	

Tai Wai Station Terminus (Minibus)

Idling Emission - Terminating Public Light Buses

Idling Time for Terminating Public Light Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Public Light Bus (Diesel)										Public Light Bus (Diesel)											
	Frequency	Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.348E-01	5.243E-02	1.944E-03	1.944E-03			
0100 - 0200	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-02	1.748E-02	6.481E-04	6.481E-04			
0200 - 0300	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
0300 - 0400	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
0400 - 0500	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
0500 - 0600	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	8.987E-02	3.496E-02	1.296E-03	1.296E-03			
0600 - 0700	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	1.292E-01	5.026E-02	1.296E-03	1.296E-03	1.296E-03	2	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.348E-01	5.243E-02	1.944E-03	1.944E-03			
0700 - 0800	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.943E-01	1.923E-01	7.130E-03	7.130E-03			
0800 - 0900	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-01	1.748E-01	6.481E-03	6.481E-03			
0900 - 1000	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	6.481E-04	7	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.044E-01	1.573E-01	5.833E-03	5.833E-03			
1000 - 1100	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.348E-01	5.243E-02	1.944E-03	1.944E-03			
1100 - 1200	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.943E-01	1.923E-01	7.130E-03	7.130E-03			
1200 - 1300	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	6.481E-04	7	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-01	1.748E-01	6.481E-03	6.481E-03			
1300 - 1400	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-01	1.748E-01	6.481E-03	6.481E-03			
1400 - 1500	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	6.481E-04	11	3.004E-02	1.169E-02	4.334E-04	4.334E-04	6.740E-01	2.622E-01	9.722E-03	9.722E-03			
1500 - 1600	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	6.481E-04	15	3.004E-02	1.169E-02	4.334E-04	4.334E-04	8.987E-01	3.496E-01	1.296E-02	1.296E-02			
1600 - 1700	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	6.481E-04	17	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.034E+00	4.020E-01	1.491E-02	1.491E-02			
1700 - 1800	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	6.481E-04	16	3.004E-02	1.169E-02	4.334E-04	4.334E-04	9.886E-01	3.845E-01	1.426E-02	1.426E-02			
1800 - 1900	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.595E-01	1.398E-01	5.185E-03	5.185E-03			
1900 - 2000	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-01	1.748E-01	6.481E-03	6.481E-03			
2000 - 2100	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	6.481E-04	13	3.004E-02	1.169E-02	4.334E-04	4.334E-04	6.739E-01	2.971E-01	1.102E-02	1.102E-02			
2100 - 2200	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.943E-01	1.923E-01	7.130E-03	7.130E-03			
2200 - 2300	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9	3.004E-02	1.169E-02	4.334E-04	4.334E-04	5.392E-01	2.097E-01	7.778E-03	7.778E-03			
2300 - 2400	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	12	3.004E-02	1.169E-02	4.334E-04	4.334E-04	7.190E-01	2.796E-01	1.037E-02	1.037E-02			

Average Distance from Starting Place to PTI Egress =	195	m
Average Spread Distance outside PTI =	505	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1.348E-01	5.243E-02	1.944E-03	1.944E-03		6.740E-02	2.622E-02	9.722E-04	9.722E-04		1.978E-02	7.675E-03	0.000E+00	0.000E+00		5.123E-02	1.988E-02	0.000E+00	0.000E+00		1.423E-05	5.521E-06	0.000E+00	0.000E+00	
0100 - 0200	4.494E-02	1.748E-02	6.481E-04	6.481E-04		2.247E-02	8.739E-03	3.241E-04	3.241E-04		7.095E-03	2.753E-03	0.000E+00	0.000E+00		1.837E-02	7.129E-03	0.000E+00	0.000E+00		5.104E-06	1.980E-06	0.000E+00	0.000E+00	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	8.987E-02	3.496E-02	1.296E-03	1.296E-03		4.494E-02	1.748E-02	6.481E-04	6.481E-04		2.315E-03	8.808E-04	0.000E+00	0.000E+00		5.995E-03	2.281E-03	0.000E+00	0.000E+00		1.665E-06	6.336E-07	0.000E+00	0.000E+00	
0600 - 0700	2.640E-01	1.027E-01	3.241E-03	3.241E-03		1.320E-01	5.135E-02	1.620E-03	1.620E-03		2.865E-01	1.114E-01	0.000E+00	0.000E+00		7.418E-01	2.885E-01	0.000E+00	0.000E+00		2.061E-04	8.014E-05	0.000E+00	0.000E+00	
0700 - 0800	4.943E-01	1.923E-01	7.130E-03	7.130E-03		2.471E-01	9.613E-02	3.565E-03	3.565E-03		7.798E-02	3.026E-02	0.000E+00	0.000E+00		2.019E-01	7.836E-02	0.000E+00	0.000E+00		5.609E-05	2.177E-05	0.000E+00	0.000E+00	
0800 - 0900	4.494E-01	1.748E-01	6.481E-03	6.481E-03		2.247E-01	8.739E-02	3.241E-03	3.241E-03		5.605E-02	2.172E-02	0.000E+00	0.000E+00		1.452E-01	5.624E-02	0.000E+00	0.000E+00		4.032E-05	1.562E-05	0.000E+00	0.000E+00	
0900 - 1000	4.690E-01	1.824E-01	6.481E-03	6.481E-03		2.345E-01	9.122E-02	3.241E-03	3.241E-03		9.483E-02	3.682E-02	0.000E+00	0.000E+00		2.456E-01	9.534E-02	0.000E+00	0.000E+00		6.822E-05	2.648E-05	0.000E+00	0.000E+00	
1000 - 1100	1.348E-01	5.243E-02	1.944E-03	1.944E-03		6.740E-02	2.622E-02	9.722E-04	9.722E-04		9.409E-03	3.634E-03	0.000E+00	0.000E+00		2.437E-02	9.410E-03	0.000E+00	0.000E+00		6.769E-06	2.614E-06	0.000E+00	0.000E+00	
1100 - 1200	4.943E-01	1.923E-01	7.130E-03	7.130E-03		2.471E-01	9.613E-02	3.565E-03	3.565E-03		7.650E-02	2.968E-02	0.000E+00	0.000E+00		1.981E-01	7.685E-02	0.000E+00	0.000E+00		5.503E-05	2.135E-05	0.000E+00	0.000E+00	
1200 - 1300	5.140E-01	1.999E-01	7.130E-03	7.130E-03		2.570E-01	9.996E-02	3.565E-03	3.565E-03		1.835E-01	7.127E-02	0.000E+00	0.000E+00		4.752E-01	1.846E-01	0.000E+00	0.000E+00		1.320E-04	5.127E-05	0.000E+00	0.000E+00	
1300 - 1400	4.494E-01	1.748E-01	6.481E-03	6.481E-03		2.247E-01	8.739E-02	3.241E-03	3.241E-03		6.642E-02	2.576E-02	0.000E+00	0.000E+00		1.720E-01	6.670E-02	0.000E+00	0.000E+00		4.778E-05	1.853E-05	0.000E+00	0.000E+00	
1400 - 1500	7.386E-01	2.873E-01	1.037E-02	1.																					

Tai Wai Station Terminus (Minibus)

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ^[1] =	3.0
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NO	Starting Emission Factor (g/trip)																	
	1.748E+00	2.634E+00	4.190E+00	5.457E+00	6.437E+00	7.129E+00	7.532E+00	7.714E+00	7.686E+00	7.642E+00	7.584E+00	7.511E+00	7.423E+00	7.319E+00	7.201E+00	7.068E+00	6.920E+00	6.757E+00
NO ₂	9.200E-03	1.390E-02	2.220E-02	2.890E-02	3.400E-02	3.770E-02	3.980E-02	4.080E-02	4.060E-02	4.040E-02	4.010E-02	3.970E-02	3.930E-02	3.870E-02	3.810E-02	3.740E-02	3.660E-02	3.570E-02
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Public Light Bus (LPG)																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
0700 - 0800	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
 [2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2028 data of EMFAC-HK.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
2	0	0	0	
1	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
1	0	0	0	
6	0	0	0	
8	0	0	0	
7	0	0	0	
8	0	0	0	
2	0	0	0	
8	0	0	0	
10	0	0	0	
7	0	0	0	
13	0	0	0	
12	0	0	0	
18	0	0	0	
15	0	0	0	
4	0	0	0	
5	0	0	0	
13	0	0	0	
8	0	0	0	
10	0	0	0	
13	0	0	0	

Tai Wai Station Terminus (Minibus)

Idling Emission - Terminating Public Light Buses

Idling Time for Terminating Public Light Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Public Light Bus (LPG)										Frequency	Public Light Bus (LPG)									
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)						Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000-0100	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.920E-01	2.585E-03	1.027E-03	1.027E-03			
0100-0200	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E-01	8.617E-04	3.423E-04	3.423E-04			
0200-0300	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
0300-0400	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
0400-0500	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
0500-0600	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.280E-01	1.723E-03	6.847E-04	6.847E-04			
0600-0700	1	2.501E-01	1.314E-03	6.788E-04	6.788E-04	2.523E-01	1.326E-03	6.847E-04	6.847E-04		1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.920E-01	2.585E-03	1.027E-03	1.027E-03			
0700-0800	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.804E+00	9.479E-03	3.766E-03	3.766E-03			
0800-0900	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E+00	8.617E-03	3.423E-03	3.423E-03			
0900-1000	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E+00	8.617E-03	3.423E-03	3.423E-03			
1000-1100	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.920E-01	2.585E-03	1.027E-03	1.027E-03			
1100-1200	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.804E+00	9.479E-03	3.766E-03	3.766E-03			
1200-1300	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.804E+00	9.479E-03	3.766E-03	3.766E-03			
1300-1400	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E+00	8.617E-03	3.423E-03	3.423E-03			
1400-1500	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4	3.251E-01	1.709E-03	6.788E-04	6.788E-04	2.624E+00	1.379E-02	5.478E-03	5.478E-03			
1500-1600	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.444E+00	1.810E-02	7.189E-03	7.189E-03			
1600-1700	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.936E+00	2.068E-02	8.216E-03	8.216E-03			
1700-1800	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.772E+00	1.982E-02	7.874E-03	7.874E-03			
1800-1900	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.312E+00	6.894E-03	2.739E-03	2.739E-03			
1900-2000	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E+00	8.617E-03	3.423E-03	3.423E-03			
2000-2100	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	3.251E-01	1.709E-03	6.788E-04	6.788E-04	2.952E+00	1.551E-02	6.162E-03	6.162E-03			
2100-2200	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.804E+00	9.479E-03	3.766E-03	3.766E-03			
2200-2300	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.968E+00	1.034E-02	4.108E-03	4.108E-03			
2300-2400	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4	3.251E-01	1.709E-03	6.788E-04	6.788E-04	2.624E+00	1.379E-02	5.478E-03	5.478E-03			

Average Distance from Starting Place to PTI Egress =	195	m
Average Spread Distance outside PTI =	0	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000-0100	4.920E-01	2.585E-03	1.027E-03	1.027E-03		2.460E-01	1.293E-03	5.135E-04	5.135E-04		1.916E+00	1.013E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0100-0200	1.640E-01	8.617E-04	3.423E-04	3.423E-04		8.199E-02	4.309E-04	1.712E-04	1.712E-04		5.823E-01	3.074E-03	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200-0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300-0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400-0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500-0600	3.280E-01	1.723E-03	6.847E-04	6.847E-04		1.640E-01	8.617E-04	3.423E-04	3.423E-04		7.177E-01	3.778E-03	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600-0700	7.442E-01	3.911E-03	1.712E-03	1.712E-03		3.721E-01	1.955E-03	8.559E-04	8.559E-04		5.421E+00	2.866E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0700-0800	1.804E+00	9.479E-03	3.766E-03	3.766E-03		9.019E-01	4.739E-03	1.883E-03	1.883E-03		7.224E+00	3.816E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0800-0900	1.640E+00	8.617E-03	3.423E-03	3.423E-03		8.199E-01	4.309E-03	1.712E-03	1.712E-03		6.003E+00	3.170E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0900-1000	1.640E+00	8.617E-03	3.423E-03	3.423E-03		8.199E-01	4.309E-03	1.712E-03	1.712E-03		6.725E+00	3.554E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1000-1100	4.920E-01	2.585E-03	1.027E-03	1.027E-03		2.460E-01	1.293E-03	5.135E-04	5.135E-04		1.300E+00	6.853E-03	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100-1200	1.804E+00	9.479E-03	3.766E-03	3.766E-03		9.019E-01	4.739E-03	1.883E-03	1.883E-03		7.128E+00	3.765E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1200-1300	1.804E+00	9.479E-03	3.766E-03	3.766E-03		9.019E-01	4.739E-03	1.883E-03	1.883E-03		8.872E+00	4.686E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1300-1400	1.640E+00	8.617E-03	3.423E-03	3.423E-03		8.199E-01	4.309E-03	1.712E-03	1.712E-03		6.618E+00	3.498E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1400-1500	2.624E+00	1.379E-02	5.478E-03	5.478E-03		1.312E+00	6.894E-03	2.739E-03	2.739E-03		1.125E+01	5.951E-02	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Tai Wai Station Terminus (Minibus)

Running Emission - Terminating and Bypass Public Light Buses

Average Travelling Distance within PTI =	390	m
Average Travelling Speed =	15	km/h

Hour	Public Light Bus (Diesel + LPG)										
	Frequency	Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	5	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.033E+00	4.495E-01	1.010E-01	9.302E-02		
0100 - 0200	1	1.043E+00	2.305E-01	5.180E-02	4.770E-02	4.066E-01	8.990E-02	2.020E-02	1.860E-02		
0200 - 0300	0	1.043E+00	2.305E-01	5.180E-02	4.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0300 - 0400	0	1.043E+00	2.305E-01	5.180E-02	4.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0400 - 0500	0	1.043E+00	2.305E-01	5.180E-02	4.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	2	1.043E+00	2.305E-01	5.180E-02	4.770E-02	8.132E-01	1.798E-01	4.040E-02	3.721E-02		
0600 - 0700	24	1.043E+00	2.305E-01	5.180E-02	4.770E-02	9.759E+00	2.157E+00	4.848E-01	4.465E-01		
0700 - 0800	47	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.911E+01	4.225E+00	9.495E-01	8.743E-01		
0800 - 0900	58	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.358E+01	5.214E+00	1.172E+00	1.079E+00		
0900 - 1000	51	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.074E+01	4.585E+00	1.030E+00	9.488E-01		
1000 - 1100	47	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.911E+01	4.225E+00	9.495E-01	8.743E-01		
1100 - 1200	48	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.952E+01	4.315E+00	9.697E-01	8.929E-01		
1200 - 1300	46	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.870E+01	4.135E+00	9.293E-01	8.557E-01		
1300 - 1400	48	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.952E+01	4.315E+00	9.697E-01	8.929E-01		
1400 - 1500	57	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.318E+01	5.124E+00	1.152E+00	1.060E+00		
1500 - 1600	57	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.318E+01	5.124E+00	1.152E+00	1.060E+00		
1600 - 1700	60	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.440E+01	5.394E+00	1.212E+00	1.116E+00		
1700 - 1800	59	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.399E+01	5.304E+00	1.192E+00	1.098E+00		
1800 - 1900	56	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.277E+01	5.034E+00	1.131E+00	1.042E+00		
1900 - 2000	58	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.358E+01	5.214E+00	1.172E+00	1.079E+00		
2000 - 2100	51	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.074E+01	4.585E+00	1.030E+00	9.488E-01		
2100 - 2200	44	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.789E+01	3.955E+00	8.889E-01	8.185E-01		
2200 - 2300	39	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.586E+01	3.506E+00	7.879E-01	7.255E-01		
2300 - 2400	28	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.139E+01	2.517E+00	6.657E-01	5.209E-01		

Idling Emission - Bypass Public Light Buses

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ⁽¹⁾ =	3.0
Idling Time for Bypass Public Light Buses =	0.5 min

Hour	Frequency	Public Light Bus (Diesel)										Public Light Bus (LPG)									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	2.247E-02	8.739E-03	3.241E-04	3.241E-04		1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	8.199E-02	4.309E-04	1.712E-04	1.712E-04		
0100 - 0200	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0200 - 0300	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0300 - 0400	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0400 - 0500	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0600 - 0700	14	3.004E-02	1.169E-02	4.334E-04	4.334E-04	2.134E-01	8.302E-02	3.079E-03	3.079E-03		5	3.251E-01	1.709E-03	6.788E-04	6.788E-04	7.789E-01	4.093E-03	1.626E-03	1.626E-03		
0700 - 0800	27	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.044E-01	1.573E-01	5.833E-03	5.833E-03		9	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.476E+00	7.755E-03	3.081E-03	3.081E-03		
0800 - 0900	36	3.004E-02	1.169E-02	4.334E-04	4.334E-04	5.392E-01	2.097E-01	7.778E-03	7.778E-03		12	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.968E+00	1.034E-02	4.108E-03	4.108E-03		
0900 - 1000	31	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.606E-01	1.791E-01	6.643E-03	6.643E-03		10	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.681E+00	8.832E-03	3.509E-03	3.509E-03		
1000 - 1100	33	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.943E-01	1.923E-01	7.130E-03	7.130E-03		11	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.804E+00	9.479E-03	3.766E-03	3.766E-03		
1100 - 1200	28	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.157E-01	1.617E-01	5.995E-03	5.995E-03		9	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.517E+00	7.971E-03	3.167E-03	3.167E-03		
1200 - 1300	26	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.932E-01	1.529E-01	5.671E-03	5.671E-03		9	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.435E+00	7.540E-03	2.996E-03	2.996E-03		
1300 - 1400	28	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.269E-01	1.660E-01	6.157E-03	6.157E-03		10	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.558E+00	8.186E-03	3.252E-03	3.252E-03		
1400 - 1500	31	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.606E-01	1.791E-01	6.643E-03	6.643E-03		10	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.681E+00	8.832E-03	3.509E-03	3.509E-03		
1500 - 1600	27	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.044E-01	1.573E-01	5.833E-03	5.833E-03		9	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.476E+00	7.755E-03	3.081E-03	3.081E-03		
1600 - 1700	27	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.044E-01	1.573E-01	5.833E-03	5.833E-03		9	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.476E+00	7.755E-03	3.081E-03	3.081E-03		
1700 - 1800	27	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.044E-01	1.573E-01	5.833E-03	5.833E-03		9	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.476E+00	7.755E-03	3.081E-03	3.081E-03		
1800 - 1900	36	3.004E-02	1.169E-02	4.334E-04	4.334E-04	5.392E-01	2.097E-01	7.778E-03	7.778E-03		12	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.968E+00	1.034E-02	4.108E-03	4.108E-03		
1900 - 2000	36	3.004E-02	1.169E-02	4.334E-04	4.334E-04	5.392E-01	2.097E-01	7.778E-03	7.778E-03		12	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.968E+00	1.034E-02	4.108E-03	4.108E-03		
2000 - 2100	25	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.707E-01	1.442E-01	5.347E-03	5.347E-03		8	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.353E+00	7.109E-03	2.824E-03	2.824E-03		
2100 - 2200	25	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.707E-01	1.442E-01	5.347E-03	5.347E-03		8	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.353E+00	7.109E-03	2.824E-03	2.824E-03		
2200 - 2300	20	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.033E-01	1.180E-01	4.375E-03	4.375E-03		7	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.107E+00	5.816E-03	2.311E-03	2.311E-03		
2300 - 2400	9	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.348E-01	5.243E-02	1.944E-03	1.944E-03		3	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.920E-01	2.585E-03	1.027E-03	1.027E-03		

Tai Wai Station Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI														
	Total PLB Emission (g) (Running + Idling + Starting)					Total Bus and PLB Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	4.700E+00	5.315E-01	1.045E-01	9.648E-02		7.522E+01	4.508E+00	2.547E+00	2.347E+00		2.089E-02	1.252E-03	7.076E-04	6.518E-04	
0100 - 0200	1.205E+00	1.141E-01	2.119E-02	1.959E-02		1.433E+01	8.536E-01	4.789E-01	4.411E-01		3.982E-03	2.371E-04	1.330E-04	1.225E-04	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	1.951E+00	2.211E-01	4.238E-02	3.919E-02		5.121E+01	3.006E+00	1.724E+00	1.589E+00		1.422E-02	8.350E-04	4.790E-04	4.413E-04	
0600 - 0700	1.747E+01	2.491E+00	4.945E-01	4.561E-01		1.343E+02	9.101E+00	4.471E+00	4.119E+00		3.730E-02	2.528E-03	1.242E-03	1.144E-03	
0700 - 0800	3.059E+01	4.660E+00	9.693E-01	8.942E-01		1.528E+02	1.159E+01	5.102E+00	4.701E+00		4.245E-02	3.218E-03	1.417E-03	1.306E-03	
0800 - 0900	3.424E+01	5.671E+00	1.194E+00	1.101E+00		1.543E+02	1.250E+01	5.177E+00	4.771E+00		4.287E-02	3.472E-03	1.438E-03	1.325E-03	
0900 - 1000	3.181E+01	5.036E+00	1.050E+00	9.688E-01		1.741E+02	1.315E+01	5.343E+00	4.924E+00		4.835E-02	3.651E-03	1.484E-03	1.368E-03	
1000 - 1100	2.335E+01	4.492E+00	9.634E-01	8.882E-01		1.424E+02	1.126E+01	4.178E+00	3.850E+00		3.956E-02	3.129E-03	1.161E-03	1.069E-03	
1100 - 1200	3.095E+01	4.754E+00	9.898E-01	9.130E-01		1.384E+02	1.083E+01	4.659E+00	4.293E+00		3.846E-02	3.009E-03	1.294E-03	1.192E-03	
1200 - 1300	3.191E+01	4.623E+00	9.489E-01	8.753E-01		1.545E+02	1.160E+01	4.625E+00	4.263E+00		4.291E-02	3.222E-03	1.285E-03	1.184E-03	
1300 - 1400	3.028E+01	4.733E+00	9.890E-01	9.123E-01		1.265E+02	1.019E+01	4.204E+00	3.874E+00		3.513E-02	2.832E-03	1.168E-03	1.076E-03	
1400 - 1500	4.012E+01	5.746E+00	1.178E+00	1.086E+00		1.547E+02	1.228E+01	4.547E+00	4.191E+00		4.296E-02	3.412E-03	1.263E-03	1.164E-03	
1500 - 1600	4.024E+01	5.780E+00	1.181E+00	1.090E+00		1.402E+02	1.145E+01	4.549E+00	4.193E+00		3.895E-02	3.180E-03	1.264E-03	1.165E-03	
1600 - 1700	4.752E+01	6.170E+00	1.245E+00	1.149E+00		1.759E+02	1.348E+01	4.765E+00	4.392E+00		4.887E-02	3.743E-03	1.324E-03	1.220E-03	
1700 - 1800	4.446E+01	6.036E+00	1.224E+00	1.129E+00		1.844E+02	1.399E+01	5.512E+00	5.080E+00		5.121E-02	3.885E-03	1.531E-03	1.411E-03	
1800 - 1900	3.068E+01	5.430E+00	1.151E+00	1.062E+00		1.808E+02	1.394E+01	6.203E+00	5.715E+00		5.021E-02	3.872E-03	1.723E-03	1.588E-03	
1900 - 2000	3.224E+01	5.648E+00	1.194E+00	1.101E+00		1.726E+02	1.359E+01	5.940E+00	5.473E+00		4.793E-02	3.776E-03	1.650E-03	1.520E-03	
2000 - 2100	3.751E+01	5.203E+00	1.056E+00	9.748E-01		1.367E+02	1.082E+01	4.424E+00	4.077E+00		3.798E-02	3.005E-03	1.229E-03	1.133E-03	
2100 - 2200	2.933E+01	4.375E+00	9.080E-01	8.378E-01		1.323E+02	1.022E+01	3.970E+00	3.659E+00		3.674E-02	2.840E-03	1.103E-03	1.016E-03	
2200 - 2300	2.896E+01	3.938E+00	8.064E-01	7.441E-01		1.104E+02	8.552E+00	3.562E+00	3.283E+00		3.068E-02	2.378E-03	9.894E-04	9.119E-04	
2300 - 2400	2.684E+01	2.974E+00	5.845E-01	5.397E-01		9.963E+01	7.131E+00	2.579E+00	2.378E+00		2.768E-02	1.981E-03	7.164E-04	6.604E-04	

Tai Wai Station North Terminus (Minibus)

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ^[1] =	3.0
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	Starting Emission Factor (g/trip)																	
NO	3.560E-02	6.410E-02	8.540E-02	1.210E-01	1.495E-01	1.993E-01	2.918E-01	3.630E-01	5.338E-01	6.975E-01	7.829E-01	9.253E-01	1.018E+00	1.068E+00	1.096E+00	1.125E+00	1.139E+00	1.139E+00
NO ₂	1.380E-02	2.490E-02	3.320E-02	4.710E-02	5.810E-02	7.750E-02	1.135E-01	1.412E-01	2.076E-01	2.713E-01	3.045E-01	3.598E-01	3.958E-01	4.152E-01	4.263E-01	4.373E-01	4.429E-01	4.429E-01
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Hour Sitting Time (min)	No. of Cold Starts of Public Light Bus (Diesel)																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
0600 - 0700	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1100 - 1200	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	4	3	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	6	6	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	12	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	18	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	5	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	11	7	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2300 - 2400	7	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
 [2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2028 data of EMFAC-HK.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
1	1	0	0	
1	1	0	0	
1	0	0	0	
0	0	0	0	
0	0	0	0	
1	0	0	0	
1	0	0	0	
1	1	0	0	
1	0	0	0	

Tai Wai Station North Terminus (Minibus)

Idling Emission - Terminating Public Light Buses

Idling Time for Terminating Public Light Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Public Light Bus (Diesel)										Public Light Bus (Diesel)											
	Frequency	Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	8.987E-02	3.496E-02	1.296E-03	1.296E-03	0.000E+00	0.000E+00	
0100 - 0200	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	1.292E-01	5.026E-02	1.296E-03	1.296E-03	0.000E+00	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-02	1.748E-02	6.481E-04	6.481E-04	0.000E+00	0.000E+00	
0700 - 0800	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4	3.004E-02	1.169E-02	4.334E-04	4.334E-04	2.247E-01	8.739E-02	3.241E-03	3.241E-03	0.000E+00	0.000E+00	
0800 - 0900	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	8.987E-02	3.496E-02	1.296E-03	1.296E-03	0.000E+00	0.000E+00	
0900 - 1000	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4	3.004E-02	1.169E-02	4.334E-04	4.334E-04	2.247E-01	8.739E-02	3.241E-03	3.241E-03	0.000E+00	0.000E+00	
1000 - 1100	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	0.000E+00	2	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.348E-01	5.243E-02	1.944E-03	1.944E-03	0.000E+00	0.000E+00	
1100 - 1200	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	8.987E-02	3.496E-02	1.296E-03	1.296E-03	0.000E+00	0.000E+00	
1200 - 1300	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.797E-01	6.991E-02	2.593E-03	2.593E-03	0.000E+00	0.000E+00	
1300 - 1400	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	8.987E-02	3.496E-02	1.296E-03	1.296E-03	0.000E+00	0.000E+00	
1400 - 1500	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.044E-01	1.573E-01	5.833E-03	5.833E-03	0.000E+00	0.000E+00	
1500 - 1600	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	18	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.078E+00	4.195E-01	1.556E-02	1.556E-02	0.000E+00	0.000E+00	
1600 - 1700	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	21	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.258E+00	4.894E-01	1.815E-02	1.815E-02	0.000E+00	0.000E+00	
1700 - 1800	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	21	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.258E+00	4.894E-01	1.815E-02	1.815E-02	0.000E+00	0.000E+00	
1800 - 1900	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.595E-01	1.398E-01	5.185E-03	5.185E-03	0.000E+00	0.000E+00	
1900 - 2000	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.044E-01	1.573E-01	5.833E-03	5.833E-03	0.000E+00	0.000E+00	
2000 - 2100	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	27	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.618E+00	6.292E-01	2.333E-02	2.333E-02	0.000E+00	0.000E+00	
2100 - 2200	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	18	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.078E+00	4.195E-01	1.556E-02	1.556E-02	0.000E+00	0.000E+00	
2200 - 2300	1	4.320E-02	1.680E-02	4.334E-04	4.334E-04	6.461E-02	2.513E-02	6.481E-04	6.481E-04	0.000E+00	19	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.123E+00	4.370E-01	1.620E-02	1.620E-02	0.000E+00	0.000E+00	
2300 - 2400	0	4.320E-02	1.680E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	12	3.004E-02	1.169E-02	4.334E-04	4.334E-04	7.190E-01	2.796E-01	1.037E-02	1.037E-02	0.000E+00	0.000E+00	

Average Distance from Starting Place to PTI Egress =	20	m
Average Spread Distance outside PTI =	680	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	8.987E-02	3.496E-02	1.296E-03	1.296E-03	0.000E+00	4.494E-02	1.748E-02	6.481E-04	6.481E-04	0.000E+00	2.671E-03	1.039E-03	0.000E+00	0.000E+00	9.082E-02	3.533E-02	0.000E+00	0.000E+00	2.523E-05	9.813E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	1.292E-01	5.026E-02	1.296E-03	1.296E-03	0.000E+00	6.461E-02	2.513E-02	6.481E-04	6.481E-04	0.000E+00	1.214E-02	4.724E-03	0.000E+00	0.000E+00	4.129E-01	1.606E-01	0.000E+00	0.000E+00	1.147E-04	4.462E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	4.494E-02	1.748E-02	6.481E-04	6.481E-04	0.000E+00	2.247E-02	8.739E-03	3.241E-04	3.241E-04	0.000E+00	1.187E-04	4.517E-05	0.000E+00	0.000E+00	4.036E-03	1.536E-03	0.000E+00	0.000E+00	1.121E-06	4.266E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0700 - 0800	2.247E-01	8.739E-02	3.241E-03	3.241E-03	0.000E+00	1.123E-01	4.370E-02	1.620E-03	1.620E-03	0.000E+00	3.786E-03	1.469E-03	0.000E+00	0.000E+00	1.287E-01	4.996E-02	0.000E+00	0.000E+00	3.575E-05	1.388E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0800 - 0900	8.987E-02	3.496E-02	1.296E-03	1.296E-03	0.000E+00	4.494E-02	1.748E-02	6.481E-04	6.481E-04	0.000E+00	2.365E-03	9.193E-04	0.000E+00	0.000E+00	8.043E-02	3.126E-02	0.000E+00	0.000E+00	2.234E-05	8.683E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0900 - 1000	2.247E-01	8.739E-02	3.241E-03	3.241E-03	0.000E+00	1.123E-01	4.370E-02	1.620E-03	1.620E-03	0.000E+00	2.267E-03	8.775E-04	0.000E+00	0.000E+00	7.706E-02	2.984E-02	0.000E+00	0.000E+00	2.141E-05	8.288E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1000 - 1100	1.994E-01	7.756E-02	2.593E-03	2.593E-03	0.000E+00	9.971E-02	3.878E-02	1.296E-03	1.296E-03	0.000E+00	7.189E-03	2.793E-03	0.000E+00	0.000E+00	2.444E-01	9.498E-02	0.000E+00	0.000E+00	6.790E-05	2.638E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1100 - 1200	8.987E-02	3.496E-02	1.296E-03	1.296E-03	0.000E+00	4.494E-02	1.748E-02	6.481E-04	6.481E-04	0.000E+00	1.301E-03	5.048E-04	0.000E+00	0.000E+00	4.425E-02	1.716E-02	0.000E+00	0.000E+							

Tai Wai Station North Terminus (Minibus)

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ^[1] =	3.0
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NO	Starting Emission Factor (g/trip)																	
	1.748E+00	2.634E+00	4.190E+00	5.457E+00	6.437E+00	7.129E+00	7.532E+00	7.714E+00	7.686E+00	7.642E+00	7.584E+00	7.511E+00	7.423E+00	7.319E+00	7.201E+00	7.068E+00	6.920E+00	6.757E+00
NO ₂	9.200E-03	1.390E-02	2.220E-02	2.890E-02	3.400E-02	3.770E-02	3.980E-02	4.080E-02	4.060E-02	4.040E-02	4.010E-02	3.970E-02	3.930E-02	3.870E-02	3.810E-02	3.740E-02	3.660E-02	3.570E-02
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour Sitting Time (min)	No. of Cold Starts of Public Light Bus (LPG)																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remark:
 [1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
 [2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2028 data of EMFAC-HK.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
2	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
4	0	0	0	
0	0	0	0	
4	0	0	0	
2	0	0	0	
3	0	0	0	
3	0	0	0	
1	0	0	0	
3	0	0	0	
1	0	0	0	
4	0	0	0	
21	0	0	0	
22	0	0	0	
17	0	0	0	
5	0	0	0	
4	0	0	0	
19	0	0	0	
18	0	0	0	
16	0	0	0	
11	0	0	0	

Tai Wai Station North Terminus (Minibus)

Idling Emission - Terminating Public Light Buses

Idling Time for Terminating Public Light Buses =	2	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Public Light Bus (LPG)										Public Light Bus (LPG)											
	Frequency	Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00		
0100 - 0200	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0200 - 0300	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0300 - 0400	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0400 - 0500	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00		
0600 - 0700	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E-01	8.617E-04	3.423E-04	3.423E-04	0.000E+00		
0700 - 0800	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	8.199E-01	4.309E-03	1.712E-03	1.712E-03	0.000E+00		
0800 - 0900	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00		
0900 - 1000	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	8.199E-01	4.309E-03	1.712E-03	1.712E-03	0.000E+00		
1000 - 1100	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	6.559E-01	3.447E-03	1.369E-03	1.369E-03	0.000E+00		
1100 - 1200	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00		
1200 - 1300	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	6.559E-01	3.447E-03	1.369E-03	1.369E-03	0.000E+00		
1300 - 1400	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00		
1400 - 1500	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.476E+00	7.755E-03	3.081E-03	3.081E-03	0.000E+00		
1500 - 1600	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.936E+00	2.068E-02	8.216E-03	8.216E-03	0.000E+00		
1600 - 1700	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.592E+00	2.413E-02	9.586E-03	9.586E-03	0.000E+00		
1700 - 1800	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.592E+00	2.413E-02	9.586E-03	9.586E-03	0.000E+00		
1800 - 1900	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.312E+00	6.894E-03	2.739E-03	2.739E-03	0.000E+00		
1900 - 2000	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.476E+00	7.755E-03	3.081E-03	3.081E-03	0.000E+00		
2000 - 2100	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9	3.251E-01	1.709E-03	6.788E-04	6.788E-04	5.904E+00	3.102E-02	1.232E-02	1.232E-02	0.000E+00		
2100 - 2200	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.936E+00	2.068E-02	8.216E-03	8.216E-03	0.000E+00		
2200 - 2300	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	1.261E-01	6.628E-04	3.423E-04	3.423E-04	0.000E+00	6	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.100E+00	2.154E-02	8.559E-03	8.559E-03	0.000E+00		
2300 - 2400	0	2.501E-01	1.314E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4	3.251E-01	1.709E-03	6.788E-04	6.788E-04	2.624E+00	1.379E-02	5.478E-03	5.478E-03	0.000E+00		

Average Distance from Starting Place to PTI Egress =	20	m
Average Spread Distance outside PTI =	130	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PTI (g)					Adjusted Starting Emission Outside PTI (g)					Starting Emission Rate Outside PTI (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00	1.640E-01	8.617E-04	3.423E-04	3.423E-04	0.000E+00	2.502E-01	1.324E-03	0.000E+00	0.000E+00	1.626E+00	8.607E-03	0.000E+00	0.000E+00	0.000E+00	4.518E-04	2.391E-06	0.000E+00	0.000E+00	0.000E+00	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00	1.640E-01	8.617E-04	3.423E-04	3.423E-04	0.000E+00	4.908E-01	2.595E-03	0.000E+00	0.000E+00	3.190E+00	1.687E-02	0.000E+00	0.000E+00	0.000E+00	8.861E-04	4.686E-06	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	1.640E-01	8.617E-04	3.423E-04	3.423E-04	0.000E+00	8.199E-02	4.309E-04	1.712E-04	1.712E-04	0.000E+00	4.785E-02	2.519E-04	0.000E+00	0.000E+00	3.110E-01	1.637E-03	0.000E+00	0.000E+00	0.000E+00	8.639E-05	4.548E-07	0.000E+00	0.000E+00	0.000E+00	
0700 - 0800	8.199E-01	4.309E-03	1.712E-03	1.712E-03	0.000E+00	4.100E-01	2.154E-03	8.559E-04	8.559E-04	0.000E+00	4.855E-01	2.571E-03	0.000E+00	0.000E+00	3.156E+00	1.671E-02	0.000E+00	0.000E+00	0.000E+00	8.766E-04	4.642E-06	0.000E+00	0.000E+00	0.000E+00	
0800 - 0900	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00	1.640E-01	8.617E-04	3.423E-04	3.423E-04	0.000E+00	2.599E-01	1.378E-03	0.000E+00	0.000E+00	1.689E+00	8.957E-03	0.000E+00	0.000E+00	0.000E+00	4.692E-04	2.488E-06	0.000E+00	0.000E+00	0.000E+00	
0900 - 1000	8.199E-01	4.309E-03	1.712E-03	1.712E-03	0.000E+00	4.100E-01	2.154E-03	8.559E-04	8.559E-04	0.000E+00	3.511E-01	1.855E-03	0.000E+00	0.000E+00	2.282E+00	1.205E-02	0.000E+00	0.000E+00	0.000E+00	6.340E-04	3.349E-06	0.000E+00	0.000E+00	0.000E+00	
1000 - 1100	6.559E-01	3.447E-03	1.369E-03	1.369E-03	0.000E+00	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00	3.920E-01	2.070E-03	0.000E+00	0.000E+00	2.548E+00	1.346E-02	0.000E+00	0.000E+00	0.000E+00	7.078E-04	3.738E-06	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00	1.640E-01	8.617E-04	3.423E-04	3.423E-04	0.000E+00	1.778E-01	9.409E-04	0.000E+00	0.000E+00	1.156E+00	6.116E-03	0.000E+00	0.000E+00	0.000E+00	3.210E-04	1.699E-06	0.000E+00	0.000E+00	0.000E+00	
1200 - 1300	6.559E-01	3.447E-03	1.369E-03	1.369E-03	0.000E+00	3.280E-01	1.723E-03	6.847E-04	6.847E-04	0.000E+00	3.854E-01	2.040E-03	0.000E+00	0.000E+00	2.505E+00	1.326E-02	0.000E+00	0.000E+00	0.000E+00	6.958E-04	3.683E-06	0.000E+00	0.000E+00	0.000E+00	
1300 - 1400	3.280E-01	1.723E-03																							

Tai Wai Station North Terminus (Minibus)

Running Emission - Terminating and Bypass Public Light Buses

Average Travelling Distance within PTI =	40	m
Average Travelling Speed =	15	km/h

Hour	Public Light Bus (Diesel + LPG)										
	Frequency	Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	3	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.251E-01	2.766E-02	6.216E-03	5.724E-03		
0100 - 0200	0	1.043E+00	2.305E-01	5.180E-02	4.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0200 - 0300	0	1.043E+00	2.305E-01	5.180E-02	4.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0300 - 0400	0	1.043E+00	2.305E-01	5.180E-02	4.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0400 - 0500	0	1.043E+00	2.305E-01	5.180E-02	4.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	2	1.043E+00	2.305E-01	5.180E-02	4.770E-02	8.341E-02	1.844E-02	4.144E-03	3.816E-03		
0600 - 0700	30	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.251E+00	2.766E-01	6.216E-02	5.724E-02		
0700 - 0800	53	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.210E+00	4.887E-01	1.098E-01	1.011E-01		
0800 - 0900	53	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.210E+00	4.887E-01	1.098E-01	1.011E-01		
0900 - 1000	45	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.877E+00	4.149E-01	9.324E-02	8.586E-02		
1000 - 1100	36	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.501E+00	3.319E-01	7.459E-02	6.869E-02		
1100 - 1200	31	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.293E+00	2.858E-01	6.423E-02	5.915E-02		
1200 - 1300	31	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.293E+00	2.858E-01	6.423E-02	5.915E-02		
1300 - 1400	28	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.168E+00	2.582E-01	5.802E-02	5.342E-02		
1400 - 1500	32	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.335E+00	2.950E-01	6.630E-02	6.106E-02		
1500 - 1600	26	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.084E+00	2.397E-01	5.387E-02	4.961E-02		
1600 - 1700	32	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.335E+00	2.950E-01	6.630E-02	6.106E-02		
1700 - 1800	43	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.793E+00	3.965E-01	8.910E-02	8.204E-02		
1800 - 1900	57	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.377E+00	5.255E-01	1.181E-01	1.088E-01		
1900 - 2000	50	1.043E+00	2.305E-01	5.180E-02	4.770E-02	2.085E+00	4.610E-01	1.036E-01	9.540E-02		
2000 - 2100	39	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.626E+00	3.596E-01	8.081E-02	7.441E-02		
2100 - 2200	32	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.335E+00	2.950E-01	6.630E-02	6.106E-02		
2200 - 2300	27	1.043E+00	2.305E-01	5.180E-02	4.770E-02	1.126E+00	2.489E-01	5.594E-02	5.152E-02		
2300 - 2400	17	1.043E+00	2.305E-01	5.180E-02	4.770E-02	7.090E-01	1.567E-01	3.522E-02	3.244E-02		

Idling Emission - Bypass Public Light Buses

No. of PLB (Diesel) to No. of PLB (LPG) Ratio ⁽¹⁾ =	3.0
Idling Time for Bypass Public Light Buses =	0.5 min

Hour	Frequency	Public Light Bus (Diesel)										Public Light Bus (LPG)									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.123E-02	4.370E-03	1.620E-04	1.620E-04		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.100E-02	2.154E-04	8.559E-05	8.559E-05		
0100 - 0200	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0200 - 0300	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0300 - 0400	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0400 - 0500	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	0	3.004E-02	1.169E-02	4.334E-04	4.334E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0600 - 0700	22	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.258E-01	1.267E-01	4.699E-03	4.699E-03		7	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.189E+00	6.247E-03	2.482E-03	2.482E-03		
0700 - 0800	36	3.004E-02	1.169E-02	4.334E-04	4.334E-04	5.392E-01	2.097E-01	7.778E-03	7.778E-03		12	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.968E+00	1.034E-02	4.108E-03	4.108E-03		
0800 - 0900	38	3.004E-02	1.169E-02	4.334E-04	4.334E-04	5.729E-01	2.228E-01	8.264E-03	8.264E-03		13	3.251E-01	1.709E-03	6.788E-04	6.788E-04	2.091E+00	1.099E-02	4.365E-03	4.365E-03		
0900 - 1000	30	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-01	1.748E-01	6.481E-03	6.481E-03		10	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E+00	8.617E-03	3.423E-03	3.423E-03		
1000 - 1100	24	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.595E-01	1.398E-01	5.185E-03	5.185E-03		8	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.312E+00	6.894E-03	2.739E-03	2.739E-03		
1100 - 1200	22	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.258E-01	1.267E-01	4.699E-03	4.699E-03		7	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.189E+00	6.247E-03	2.482E-03	2.482E-03		
1200 - 1300	20	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.033E-01	1.180E-01	4.375E-03	4.375E-03		7	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.107E+00	5.816E-03	2.311E-03	2.311E-03		
1300 - 1400	19	3.004E-02	1.169E-02	4.334E-04	4.334E-04	2.921E-01	1.136E-01	4.213E-03	4.213E-03		7	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.066E+00	5.601E-03	2.225E-03	2.225E-03		
1400 - 1500	17	3.004E-02	1.169E-02	4.334E-04	4.334E-04	2.584E-01	1.005E-01	3.727E-03	3.727E-03		6	3.251E-01	1.709E-03	6.788E-04	6.788E-04	9.429E-01	4.955E-03	1.969E-03	1.969E-03		
1500 - 1600	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	2.247E-02	8.739E-03	3.241E-04	3.241E-04		1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	8.199E-02	4.309E-04	1.712E-04	1.712E-04		
1600 - 1700	3	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.494E-02	1.748E-02	6.481E-04	6.481E-04		1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.640E-01	8.617E-04	3.423E-04	3.423E-04		
1700 - 1800	11	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.685E-01	6.554E-02	2.431E-03	2.431E-03		4	3.251E-01	1.709E-03	6.788E-04	6.788E-04	6.149E-01	3.231E-03	1.284E-03	1.284E-03		
1800 - 1900	37	3.004E-02	1.169E-02	4.334E-04	4.334E-04	5.505E-01	2.141E-01	7.940E-03	7.940E-03		12	3.251E-01	1.709E-03	6.788E-04	6.788E-04	2.009E+00	1.056E-02	4.194E-03	4.194E-03		
1900 - 2000	31	3.004E-02	1.169E-02	4.334E-04	4.334E-04	4.606E-01	1.791E-01	6.643E-03	6.643E-03		10	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.681E+00	8.832E-03	3.509E-03	3.509E-03		
2000 - 2100	2	3.004E-02	1.169E-02	4.334E-04	4.334E-04	3.370E-02	1.311E-02	4.861E-04	4.861E-04		1	3.251E-01	1.709E-03	6.788E-04	6.788E-04	1.230E-01	6.463E-04	2.568E-04	2.568E-04		
2100 - 2200	6	3.004E-02	1.169E-02	4.334E-04	4.334E-04	8.987E-02	3.496E-02	1.296E-03	1.296E-03		2	3.251E-01	1.709E-03	6.788E-04	6.788E-04	3.280E-01	1.723E-03	6.847E-04	6.847E-04		
2200 - 2300	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.123E-02	4.370E-03	1.620E-04	1.620E-04		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.100E-02	2.154E-04	8.559E-05	8.559E-05		
2300 - 2400	1	3.004E-02	1.169E-02	4.334E-04	4.334E-04	1.123E-02	4.370E-03	1.620E-04	1.620E-04		0	3.251E-01	1.709E-03	6.788E-04	6.788E-04	4.100E-02	2.154E-04	8.559E-05	8.559E-05		

Tai Wai Station North Terminus (Minibus)

Total Hourly Emission

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	8.481E-01	7.129E-02	8.445E-03	7.953E-03		2.356E-04	1.980E-05	2.346E-06	2.209E-06	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	1.044E+00	7.774E-02	6.125E-03	5.797E-03		2.899E-04	2.160E-05	1.701E-06	1.610E-06	
0600 - 0700	3.023E+00	4.282E-01	7.033E-02	6.541E-02		8.396E-04	1.189E-04	1.954E-05	1.817E-05	
0700 - 0800	6.251E+00	8.045E-01	1.267E-01	1.180E-01		1.736E-03	2.235E-04	3.518E-05	3.277E-05	
0800 - 0900	5.554E+00	7.615E-01	1.244E-01	1.157E-01		1.543E-03	2.115E-04	3.456E-05	3.215E-05	
0900 - 1000	5.364E+00	6.927E-01	1.081E-01	1.007E-01		1.490E-03	1.924E-04	3.003E-05	2.798E-05	
1000 - 1100	4.427E+00	5.645E-01	8.648E-02	8.057E-02		1.230E-03	1.568E-04	2.402E-05	2.238E-05	
1100 - 1200	3.404E+00	4.569E-01	7.339E-02	6.831E-02		9.457E-04	1.269E-04	2.039E-05	1.898E-05	
1200 - 1300	3.927E+00	4.863E-01	7.488E-02	6.980E-02		1.091E-03	1.351E-04	2.080E-05	1.939E-05	
1300 - 1400	3.039E+00	4.146E-01	6.644E-02	6.184E-02		8.443E-04	1.152E-04	1.845E-05	1.718E-05	
1400 - 1500	4.848E+00	5.682E-01	8.091E-02	7.567E-02		1.347E-03	1.578E-04	2.248E-05	2.102E-05	
1500 - 1600	8.766E+00	7.110E-01	7.814E-02	7.387E-02		2.435E-03	1.975E-04	2.171E-05	2.052E-05	
1600 - 1700	9.977E+00	8.486E-01	9.503E-02	8.978E-02		2.772E-03	2.357E-04	2.640E-05	2.494E-05	
1700 - 1800	1.035E+01	9.936E-01	1.205E-01	1.135E-01		2.874E-03	2.760E-04	3.348E-05	3.153E-05	
1800 - 1900	7.219E+00	9.018E-01	1.382E-01	1.288E-01		2.005E-03	2.505E-04	3.838E-05	3.578E-05	
1900 - 2000	6.539E+00	8.167E-01	1.227E-01	1.145E-01		1.816E-03	2.269E-04	3.407E-05	3.180E-05	
2000 - 2100	1.150E+01	1.050E+00	1.172E-01	1.108E-01		3.195E-03	2.916E-04	3.256E-05	3.078E-05	
2100 - 2200	8.909E+00	7.898E-01	9.206E-02	8.681E-02		2.475E-03	2.194E-04	2.557E-05	2.411E-05	
2200 - 2300	8.410E+00	7.564E-01	8.194E-02	7.752E-02		2.336E-03	2.101E-04	2.276E-05	2.153E-05	
2300 - 2400	5.348E+00	4.646E-01	5.132E-02	4.853E-02		1.486E-03	1.290E-04	1.426E-05	1.348E-05	

Sunking Industrial Building Carpark

Running Emission - Terminating and Bypass HGVs

Average Travelling Distance within Parking Site =	190	m
Average Travelling Speed =	10	km/h

Hour	Frequency	Heavy Goods Vehicle >15t									
		Running Emission Factor (g/km-vehicle)					Running Emission Within Parking Site (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	1	4.869E+00	1.302E+00	2.291E-01	2.108E-01		9.251E-01	2.473E-01	4.353E-02	4.005E-02	
0100 - 0200	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	1	4.869E+00	1.302E+00	2.291E-01	2.108E-01		9.251E-01	2.473E-01	4.353E-02	4.005E-02	
0300 - 0400	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0700 - 0800	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0800 - 0900	3	4.869E+00	1.302E+00	2.291E-01	2.108E-01		2.775E+00	7.419E-01	1.306E-01	1.202E-01	
0900 - 1000	7	4.869E+00	1.302E+00	2.291E-01	2.108E-01		6.476E+00	1.731E+00	3.047E-01	2.804E-01	
1000 - 1100	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	6	4.869E+00	1.302E+00	2.291E-01	2.108E-01		5.550E+00	1.484E+00	2.612E-01	2.403E-01	
1200 - 1300	3	4.869E+00	1.302E+00	2.291E-01	2.108E-01		2.775E+00	7.419E-01	1.306E-01	1.202E-01	
1300 - 1400	3	4.869E+00	1.302E+00	2.291E-01	2.108E-01		2.775E+00	7.419E-01	1.306E-01	1.202E-01	
1400 - 1500	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1500 - 1600	6	4.869E+00	1.302E+00	2.291E-01	2.108E-01		5.550E+00	1.484E+00	2.612E-01	2.403E-01	
1600 - 1700	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1700 - 1800	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1800 - 1900	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1900 - 2000	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2000 - 2100	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2100 - 2200	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2200 - 2300	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2300 - 2400	0	4.869E+00	1.302E+00	2.291E-01	2.108E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Idling Emission - Bypass HGVs

Idling Time for Bypass HGVs =	2	min
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Hour	Frequency	Heavy Goods Vehicle >15t									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0100 - 0200	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0700 - 0800	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0800 - 0900	1	9.317E-02	2.491E-02	9.414E-04	9.414E-04		1.863E-01	4.982E-02	1.883E-03	1.883E-03	
0900 - 1000	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1000 - 1100	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1200 - 1300	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1300 - 1400	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1400 - 1500	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1500 - 1600	1	9.317E-02	2.491E-02	9.414E-04	9.414E-04		1.863E-01	4.982E-02	1.883E-03	1.883E-03	
1600 - 1700	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1700 - 1800	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1800 - 1900	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1900 - 2000	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2000 - 2100	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2100 - 2200	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2200 - 2300	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2300 - 2400	0	9.317E-02	2.491E-02	9.414E-04	9.414E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Sunking Industrial Building Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	9.983E-01	2.606E-01	4.353E-02	4.005E-02		2.773E-04	7.239E-05	1.209E-05	1.113E-05	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	1.145E+00	2.872E-01	4.353E-02	4.005E-02		3.180E-04	7.979E-05	1.209E-05	1.113E-05	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0700 - 0800	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0800 - 0900	3.595E+00	9.068E-01	1.325E-01	1.220E-01		9.985E-04	2.519E-04	3.680E-05	3.390E-05	
0900 - 1000	8.224E+00	2.049E+00	3.047E-01	2.804E-01		2.284E-03	5.692E-04	8.464E-05	7.788E-05	
1000 - 1100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	7.363E+00	1.814E+00	2.612E-01	2.403E-01		2.045E-03	5.038E-04	7.255E-05	6.675E-05	
1200 - 1300	3.589E+00	8.899E-01	1.306E-01	1.202E-01		9.970E-04	2.472E-04	3.627E-05	3.338E-05	
1300 - 1400	3.692E+00	9.087E-01	1.306E-01	1.202E-01		1.026E-03	2.524E-04	3.627E-05	3.338E-05	
1400 - 1500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1500 - 1600	7.334E+00	1.824E+00	2.631E-01	2.422E-01		2.037E-03	5.067E-04	7.307E-05	6.728E-05	
1600 - 1700	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1700 - 1800	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1800 - 1900	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1900 - 2000	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2000 - 2100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2100 - 2200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2200 - 2300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2300 - 2400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Jat Min Estate Carpark

Starting Emission

Starting Emission Factor (g/trip)																		
NO	1.586E-01	2.856E-01	3.808E-01	5.394E-01	6.663E-01	8.885E-01	1.301E+00	1.618E+00	2.380E+00	3.110E+00	3.491E+00	4.125E+00	4.538E+00	4.760E+00	4.887E+00	5.014E+00	5.077E+00	5.077E+00
NO ₂	2.890E-02	5.190E-02	6.920E-02	9.810E-02	1.212E-01	1.616E-01	2.366E-01	2.943E-01	4.328E-01	5.655E-01	6.347E-01	7.501E-01	8.252E-01	8.656E-01	8.886E-01	9.117E-01	9.233E-01	9.233E-01
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

No. of Cold Starts of Heavy Goods Vehicle >15t																		
Hour	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0500 - 0600	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0900 - 1000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1200 - 1300	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1300 - 1400	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
1500 - 1600	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1600 - 1700	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1800 - 1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Starting Emission Factor (g/trip)																		
NO	3.370E-02	6.060E-02	8.080E-02	1.145E-01	1.414E-01	1.886E-01	2.761E-01	3.434E-01	5.051E-01	6.600E-01	7.407E-01	8.754E-01	9.629E-01	1.010E+00	1.037E+00	1.064E+00	1.077E+00	1.077E+00
NO ₂	1.310E-02	2.360E-02	3.140E-02	4.450E-02	5.500E-02	7.330E-02	1.074E-01	1.336E-01	1.964E-01	2.566E-01	2.881E-01	3.404E-01	3.745E-01	3.928E-01	4.033E-01	4.138E-01	4.190E-01	4.190E-01
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

No. of Cold Starts of Non-franchised Bus ≤6.4t																		
Hour	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remarks:

- [1] Number of cold starts and sitting time were derived based on on-site observations.
- [2] Heavy goods vehicle >15t (HGV6) was assumed for heavy goods vehicles as a conservative approach, while non-franchised bus ≤6.4t was assumed for small coaches as a reasonable approach.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
5	1	0	0	
0	0	0	0	
1	0	0	0	
3	1	0	0	
1	0	0	0	
1	0	0	0	
7	1	0	0	
11	2	0	0	
1	0	0	0	
22	4	0	0	
10	2	0	0	
0	0	0	0	
5	1	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
1	0	0	0	
0	0	0	0	

Jat Min Estate Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	8.968E-01	2.380E-01	4.124E-02	3.794E-02		2.491E-04	6.611E-05	1.146E-05	1.054E-05	
0300 - 0400	8.968E-01	2.380E-01	4.124E-02	3.794E-02		2.491E-04	6.611E-05	1.146E-05	1.054E-05	
0400 - 0500	1.521E+00	3.515E-01	4.124E-02	3.794E-02		4.225E-04	9.764E-05	1.146E-05	1.054E-05	
0500 - 0600	9.131E-01	2.410E-01	4.124E-02	3.794E-02		2.536E-04	6.693E-05	1.146E-05	1.054E-05	
0600 - 0700	1.063E+00	2.841E-01	4.312E-02	3.983E-02		2.952E-04	7.892E-05	1.198E-05	1.106E-05	
0700 - 0800	1.826E+00	4.819E-01	8.248E-02	7.589E-02		5.073E-04	1.339E-04	2.291E-05	2.108E-05	
0800 - 0900	3.021E+00	7.741E-01	1.237E-01	1.138E-01		8.391E-04	2.150E-04	3.437E-05	3.162E-05	
0900 - 1000	2.051E+00	5.693E-01	9.365E-02	8.617E-02		5.697E-04	1.581E-04	2.602E-05	2.394E-05	
1000 - 1100	2.719E+00	7.192E-01	1.237E-01	1.138E-01		7.552E-04	1.998E-04	3.437E-05	3.162E-05	
1100 - 1200	8.066E+00	2.082E+00	3.318E-01	3.054E-01		2.241E-03	5.784E-04	9.216E-05	8.484E-05	
1200 - 1300	5.822E+00	1.433E+00	2.062E-01	1.897E-01		1.617E-03	3.981E-04	5.728E-05	5.270E-05	
1300 - 1400	2.768E+00	7.281E-01	1.237E-01	1.138E-01		7.688E-04	2.022E-04	3.437E-05	3.162E-05	
1400 - 1500	8.086E+00	1.920E+00	2.474E-01	2.277E-01		2.246E-03	5.333E-04	6.873E-05	6.324E-05	
1500 - 1600	4.852E+00	1.182E+00	1.650E-01	1.518E-01		1.348E-03	3.283E-04	4.582E-05	4.216E-05	
1600 - 1700	1.249E+00	3.750E-01	5.392E-02	4.973E-02		3.469E-04	1.042E-04	1.498E-05	1.381E-05	
1700 - 1800	1.529E+00	3.530E-01	4.124E-02	3.794E-02		4.248E-04	9.806E-05	1.146E-05	1.054E-05	
1800 - 1900	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1900 - 2000	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2000 - 2100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2100 - 2200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2200 - 2300	1.838E+00	4.841E-01	8.248E-02	7.589E-02		5.107E-04	1.345E-04	2.291E-05	2.108E-05	
2300 - 2400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Man Lam Road Carpark

Starting Emission

	Starting Emission Factor (g/trip)																	
NO	1.586E-01	2.856E-01	3.808E-01	5.394E-01	6.663E-01	8.885E-01	1.301E+00	1.618E+00	2.380E+00	3.110E+00	3.491E+00	4.125E+00	4.538E+00	4.760E+00	4.887E+00	5.014E+00	5.077E+00	5.077E+00
NO₂	2.890E-02	5.190E-02	6.920E-02	9.810E-02	1.212E-01	1.616E-01	2.366E-01	2.943E-01	4.328E-01	5.655E-01	6.347E-01	7.501E-01	8.252E-01	8.656E-01	8.886E-01	9.117E-01	9.233E-01	9.233E-01
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour	No. of Cold Starts of Heavy Goods Vehicle >15t																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
0800 - 0900	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
0900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
1000 - 1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1500 - 1600	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
1600 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
1700 - 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1800 - 1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2000 - 2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Starting Emission Factor (g/trip)																	
NO	3.370E-02	6.060E-02	8.080E-02	1.145E-01	1.414E-01	1.886E-01	2.761E-01	3.434E-01	5.051E-01	6.600E-01	7.407E-01	8.754E-01	9.629E-01	1.010E+00	1.037E+00	1.064E+00	1.077E+00	1.077E+00
NO₂	1.310E-02	2.360E-02	3.140E-02	4.450E-02	5.500E-02	7.330E-02	1.074E-01	1.336E-01	1.964E-01	2.566E-01	2.881E-01	3.404E-01	3.745E-01	3.928E-01	4.033E-01	4.138E-01	4.190E-01	4.190E-01
RSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
FSP	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TSP																		

Hour	No. of Cold Starts of Non-franchised Bus ≤6.4t																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
1900 - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Remarks:
 [1] Number of cold starts and sitting time were derived based on on-site observations.
 [2] Heavy goods vehicle >15t (HGV6) was assumed for heavy goods vehicles as a conservative approach, while non-franchised bus ≤6.4t was assumed for small coaches as a reasonable approach.

Total Starting Emission (g)				
NO	NO ₂	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
10	2	0	0	
10	2	0	0	
5	1	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
3	1	0	0	
9	2	0	0	
5	1	0	0	
10	2	0	0	
1	0	0	0	
5	1	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	

Man Lam Road Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0700 - 0800	3.155E+00	7.319E-01	8.706E-02	8.010E-02		8.764E-04	2.033E-04	2.418E-05	2.225E-05	
0800 - 0900	3.185E+00	7.374E-01	8.706E-02	8.010E-02		8.848E-04	2.048E-04	2.418E-05	2.225E-05	
0900 - 1000	1.588E+00	3.679E-01	4.353E-02	4.005E-02		4.412E-04	1.022E-04	1.209E-05	1.113E-05	
1000 - 1100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1200 - 1300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1300 - 1400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1400 - 1500	1.347E+00	3.241E-01	4.353E-02	4.005E-02		3.742E-04	9.001E-05	1.209E-05	1.113E-05	
1500 - 1600	3.313E+00	8.083E-01	9.886E-02	9.095E-02		9.202E-04	2.245E-04	2.746E-05	2.526E-05	
1600 - 1700	1.541E+00	3.593E-01	4.353E-02	4.005E-02		4.280E-04	9.980E-05	1.209E-05	1.113E-05	
1700 - 1800	3.228E+00	7.452E-01	8.706E-02	8.010E-02		8.967E-04	2.070E-04	2.418E-05	2.225E-05	
1800 - 1900	3.724E+01	1.448E-01	1.180E-02	1.085E-02		1.035E-04	4.023E-05	3.278E-06	3.014E-06	
1900 - 2000	1.614E+00	3.726E-01	4.353E-02	4.005E-02		4.484E-04	1.035E-04	1.209E-05	1.113E-05	
2000 - 2100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2100 - 2200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2200 - 2300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2300 - 2400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

Shing Chuen Industrial Building Carpark

Total Hourly Emission

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	3.551E-01	9.371E-02	1.604E-02	1.476E-02		9.864E-05	2.603E-05	4.455E-06	4.099E-06	
0700 - 0800	5.947E-01	1.373E-01	1.604E-02	1.476E-02		1.652E-04	3.813E-05	4.455E-06	4.099E-06	
0800 - 0900	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0900 - 1000	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1000 - 1100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1200 - 1300	4.059E-01	1.029E-01	1.604E-02	1.476E-02		1.127E-04	2.860E-05	4.455E-06	4.099E-06	
1300 - 1400	1.430E+00	3.766E-01	6.415E-02	5.902E-02		3.972E-04	1.046E-04	1.782E-05	1.640E-05	
1400 - 1500	1.083E+00	2.843E-01	4.811E-02	4.427E-02		3.008E-04	7.897E-05	1.336E-05	1.230E-05	
1500 - 1600	3.599E-01	9.457E-02	1.604E-02	1.476E-02		9.996E-05	2.627E-05	4.455E-06	4.099E-06	
1600 - 1700	7.197E-01	1.891E-01	3.207E-02	2.951E-02		1.999E-04	5.254E-05	8.909E-06	8.198E-06	
1700 - 1800	3.487E-01	9.256E-02	1.604E-02	1.476E-02		9.687E-05	2.571E-05	4.455E-06	4.099E-06	
1800 - 1900	7.657E-01	1.975E-01	3.207E-02	2.951E-02		2.127E-04	5.487E-05	8.909E-06	8.198E-06	
1900 - 2000	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2000 - 2100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2100 - 2200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2200 - 2300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2300 - 2400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

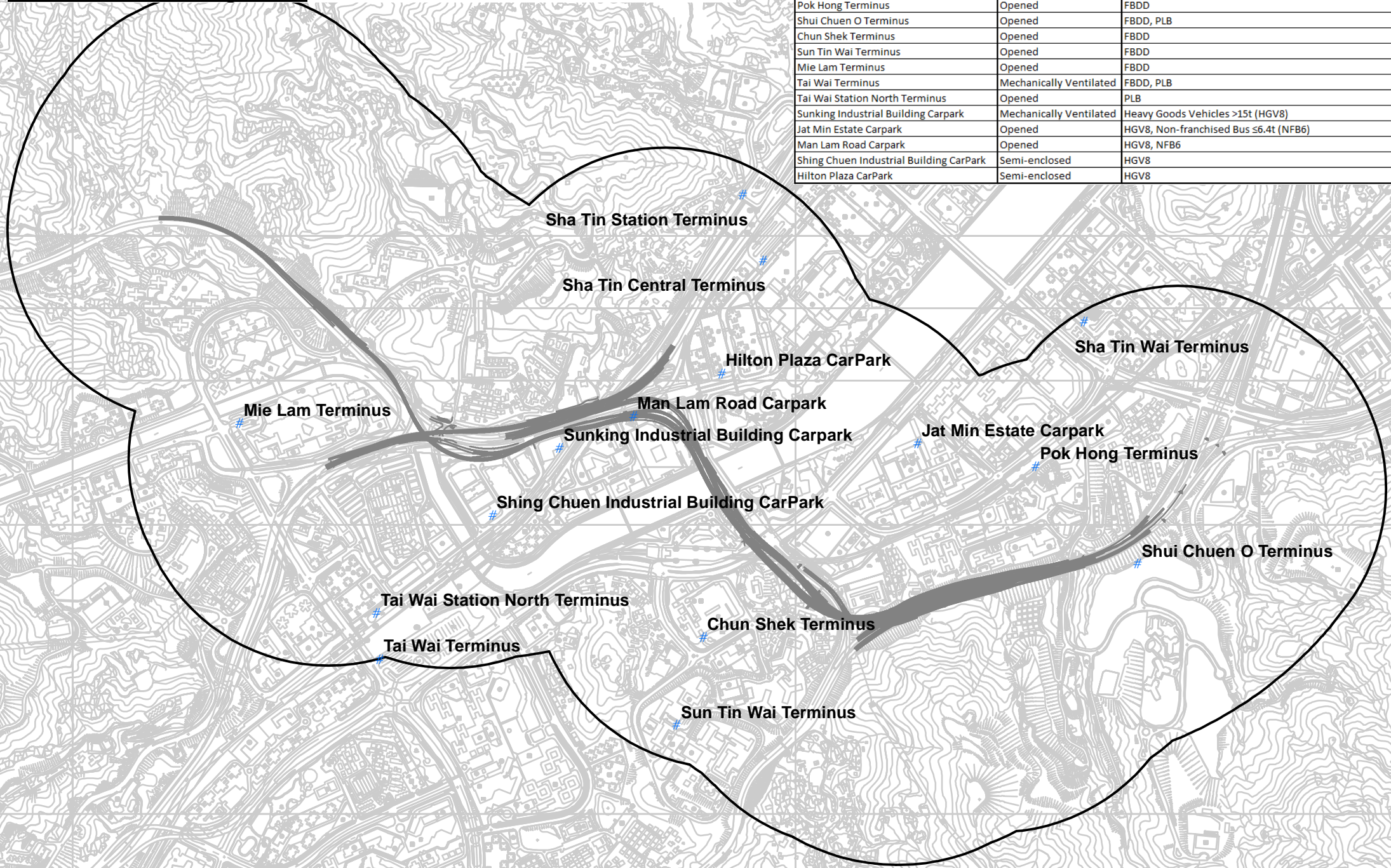
Hilton Plaza Carpark

Total Hourly Emission

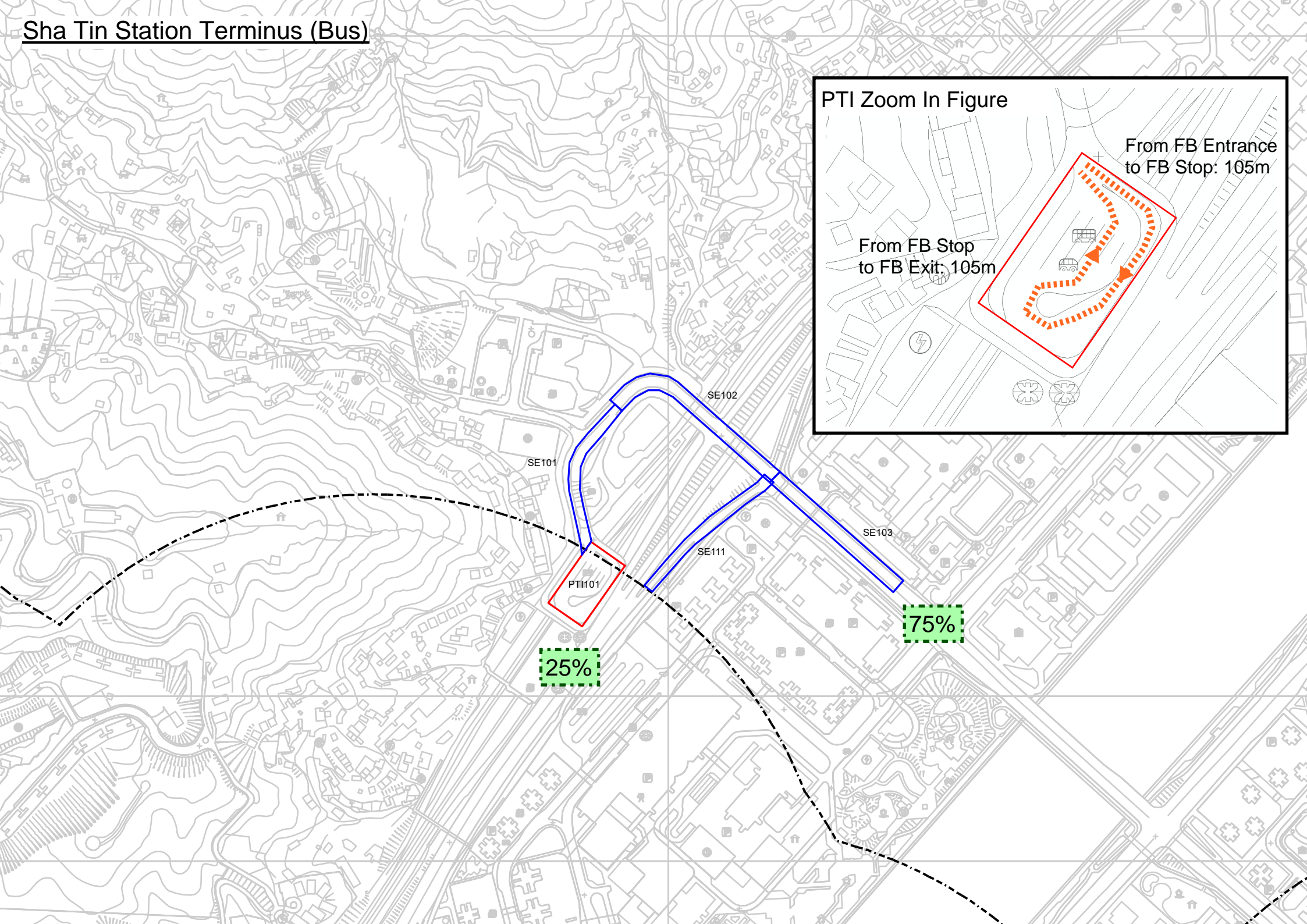
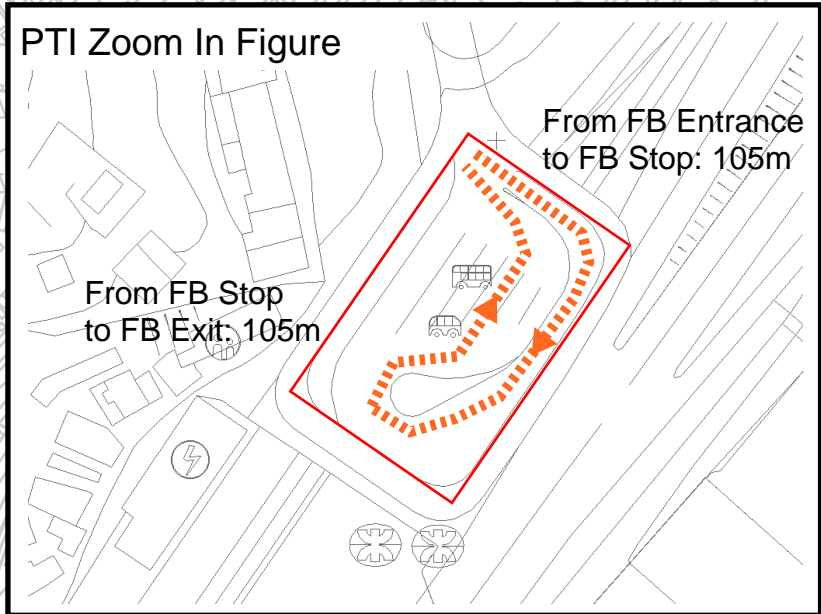
Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO ₂	RSP	FSP	TSP	NO	NO ₂	RSP	FSP	TSP
0000 - 0100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0800 - 0900	1.158E+00	2.688E-01	3.207E-02	2.951E-02		3.216E-04	7.466E-05	8.909E-06	8.198E-06	
0900 - 1000	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1000 - 1100	7.197E-01	1.891E-01	3.207E-02	2.951E-02		1.999E-04	5.254E-05	8.909E-06	8.198E-06	
1100 - 1200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1200 - 1300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1300 - 1400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1400 - 1500	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1500 - 1600	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1600 - 1700	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Locations of Bus and Minibus Termini, Heavy Goods Vehicle and Coach Parking Sites

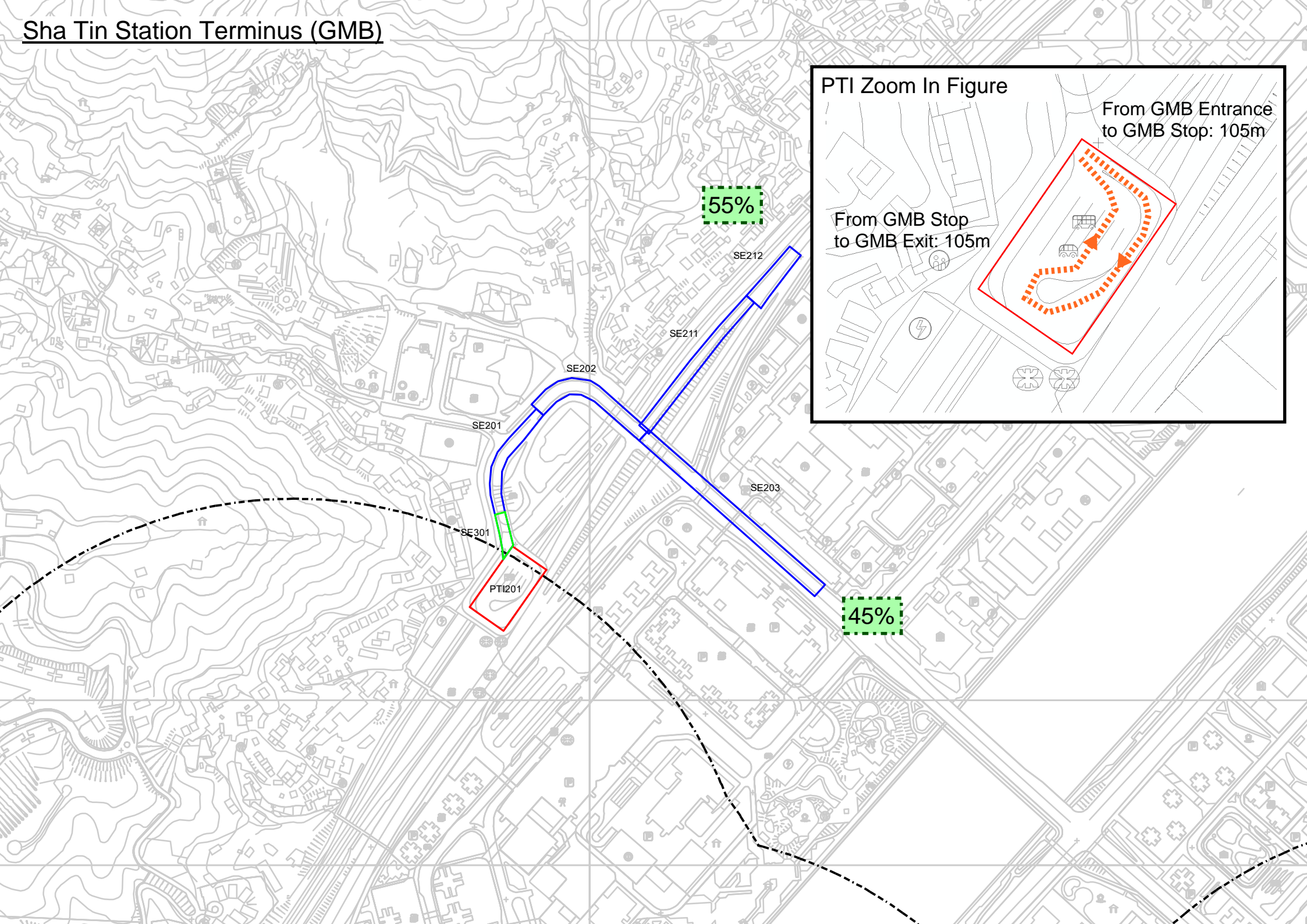
CarPark	Type of Ventilation	Vehicle Classes
Sha Tin Station Terminus	Opened	Franchised Bus (FBDD), Public Light Buses (PLB)
Sha Tin Central Terminus	Semi-enclosed	FBDD
Sha Tin Wai Terminus	Opened	FBDD
Pok Hong Terminus	Opened	FBDD
Shui Chuen O Terminus	Opened	FBDD, PLB
Chun Shek Terminus	Opened	FBDD
Sun Tin Wai Terminus	Opened	FBDD
Mie Lam Terminus	Opened	FBDD
Tai Wai Terminus	Mechanically Ventilated	FBDD, PLB
Tai Wai Station North Terminus	Opened	PLB
Sunking Industrial Building Carpark	Mechanically Ventilated	Heavy Goods Vehicles >15t (HGV8)
Jat Min Estate Carpark	Opened	HGV8, Non-franchised Bus ≤6.4t (NFB6)
Man Lam Road Carpark	Opened	HGV8, NFB6
Shing Chuen Industrial Building CarPark	Semi-enclosed	HGV8
Hilton Plaza CarPark	Semi-enclosed	HGV8



Sha Tin Station Terminus (Bus)



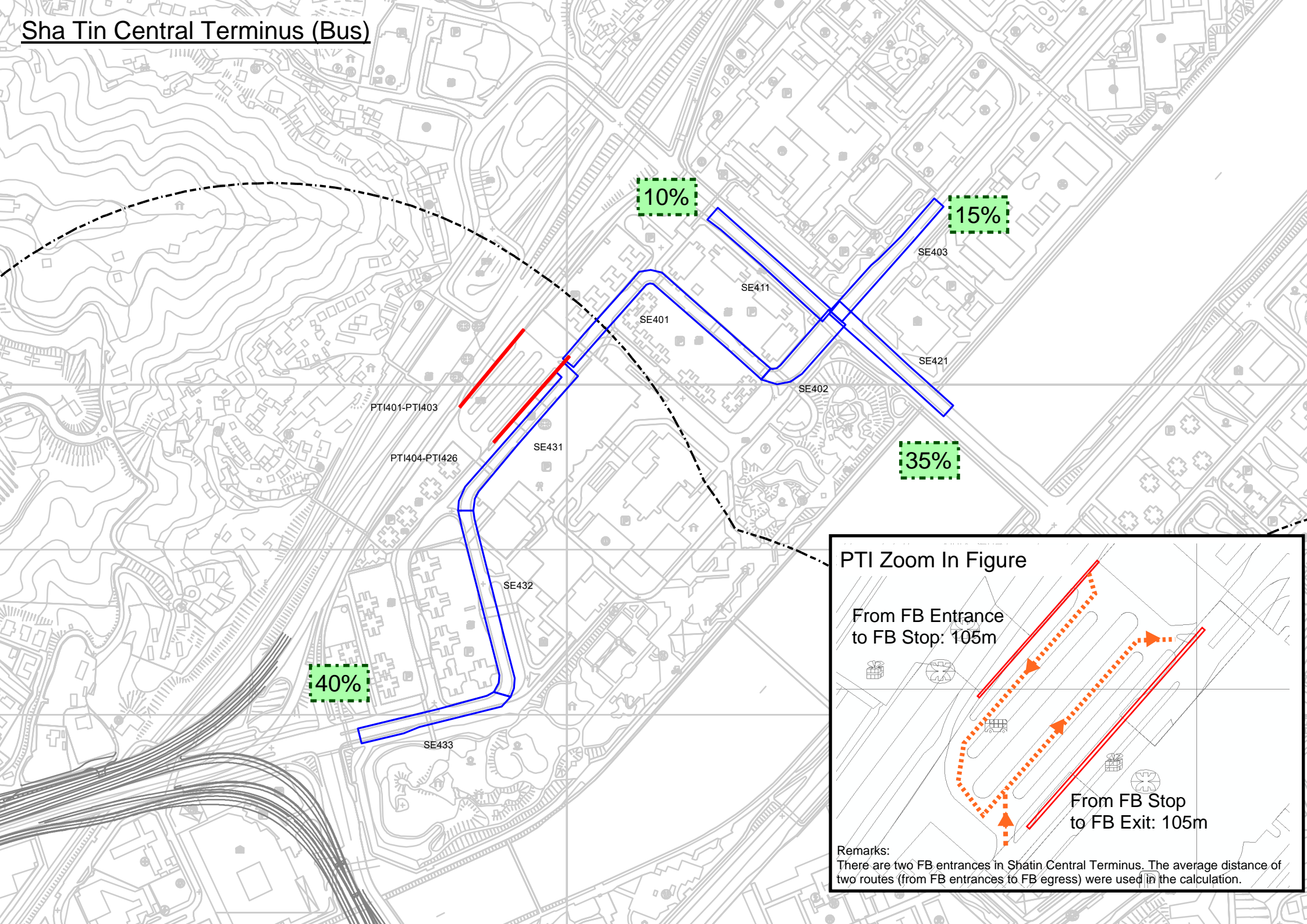
Sha Tin Station Terminus (GMB)



PTI Zoom In Figure



Sha Tin Central Terminus (Bus)



PTI Zoom In Figure

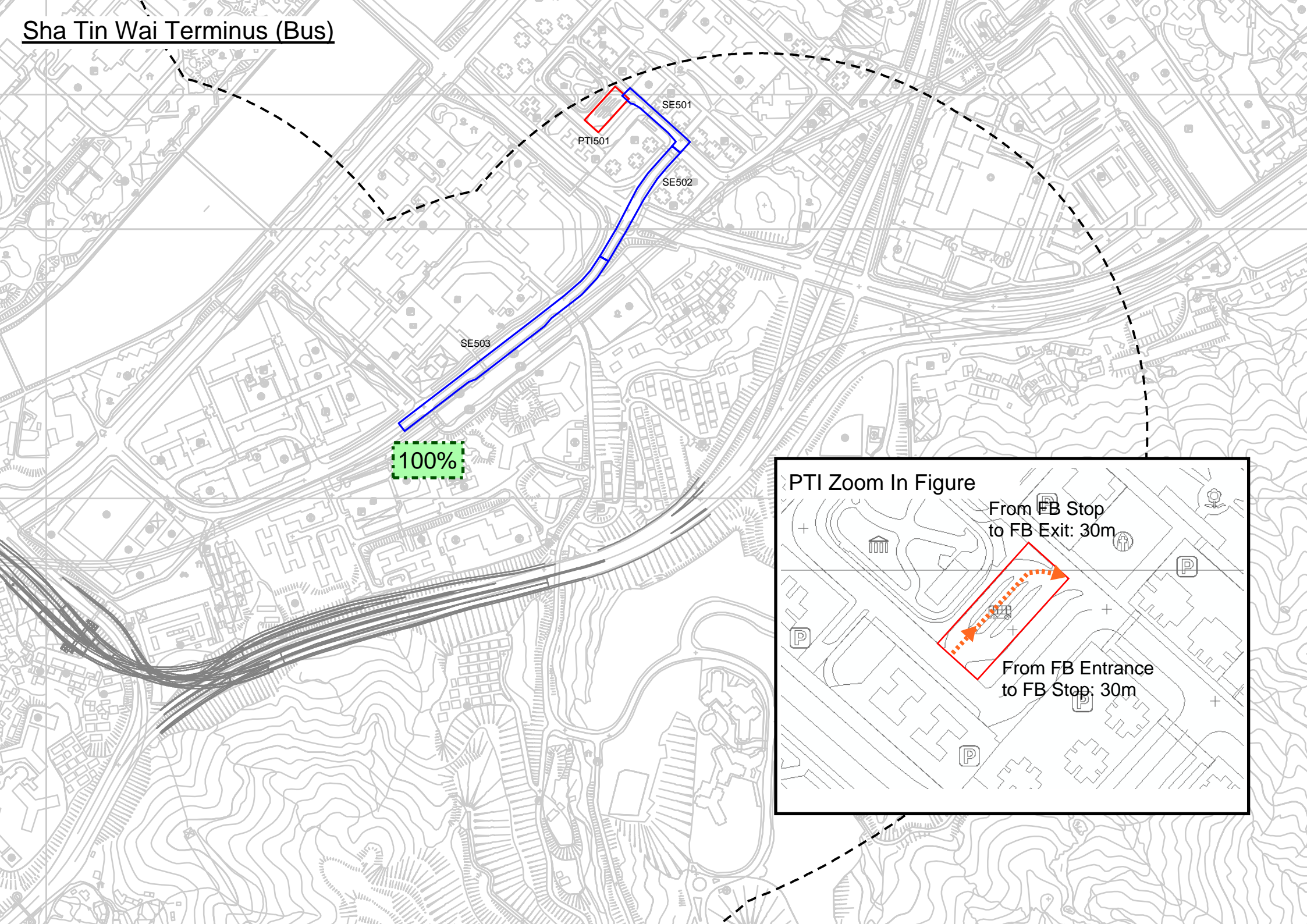
From FB Entrance to FB Stop: 105m

From FB Stop to FB Exit: 105m

Remarks:
There are two FB entrances in Sha Tin Central Terminus. The average distance of two routes (from FB entrances to FB egress) were used in the calculation.

The zoomed-in figure shows a detailed view of the PTI area. It features two red double-line paths representing routes. The first path starts from an 'FB Entrance' (marked with a bus icon) and ends at an 'FB Stop' (marked with a bus stop icon), with a distance of 105m. The second path starts from the 'FB Stop' and ends at an 'FB Exit' (marked with a bus icon), also with a distance of 105m. Dotted orange lines with arrows indicate the direction of travel for these routes. The background shows a detailed street layout with various building footprints and infrastructure.

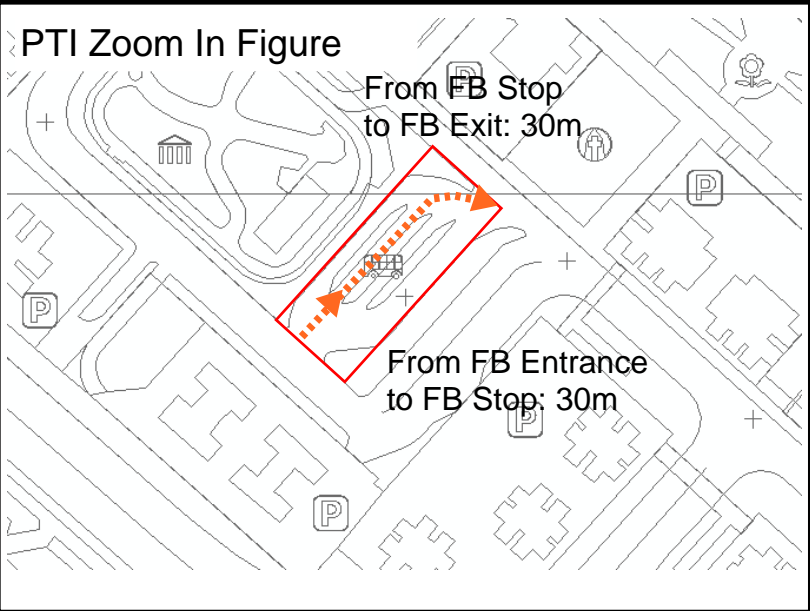
Sha Tin Wai Terminus (Bus)



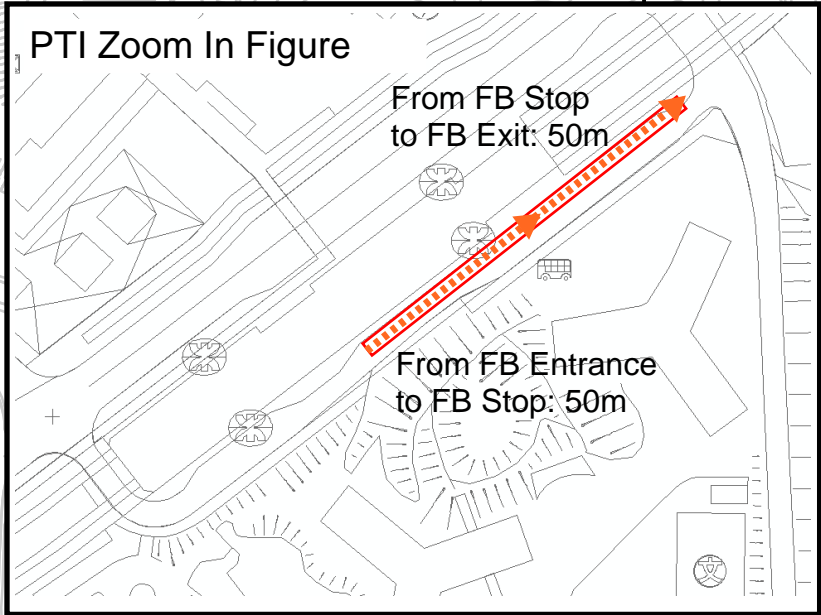
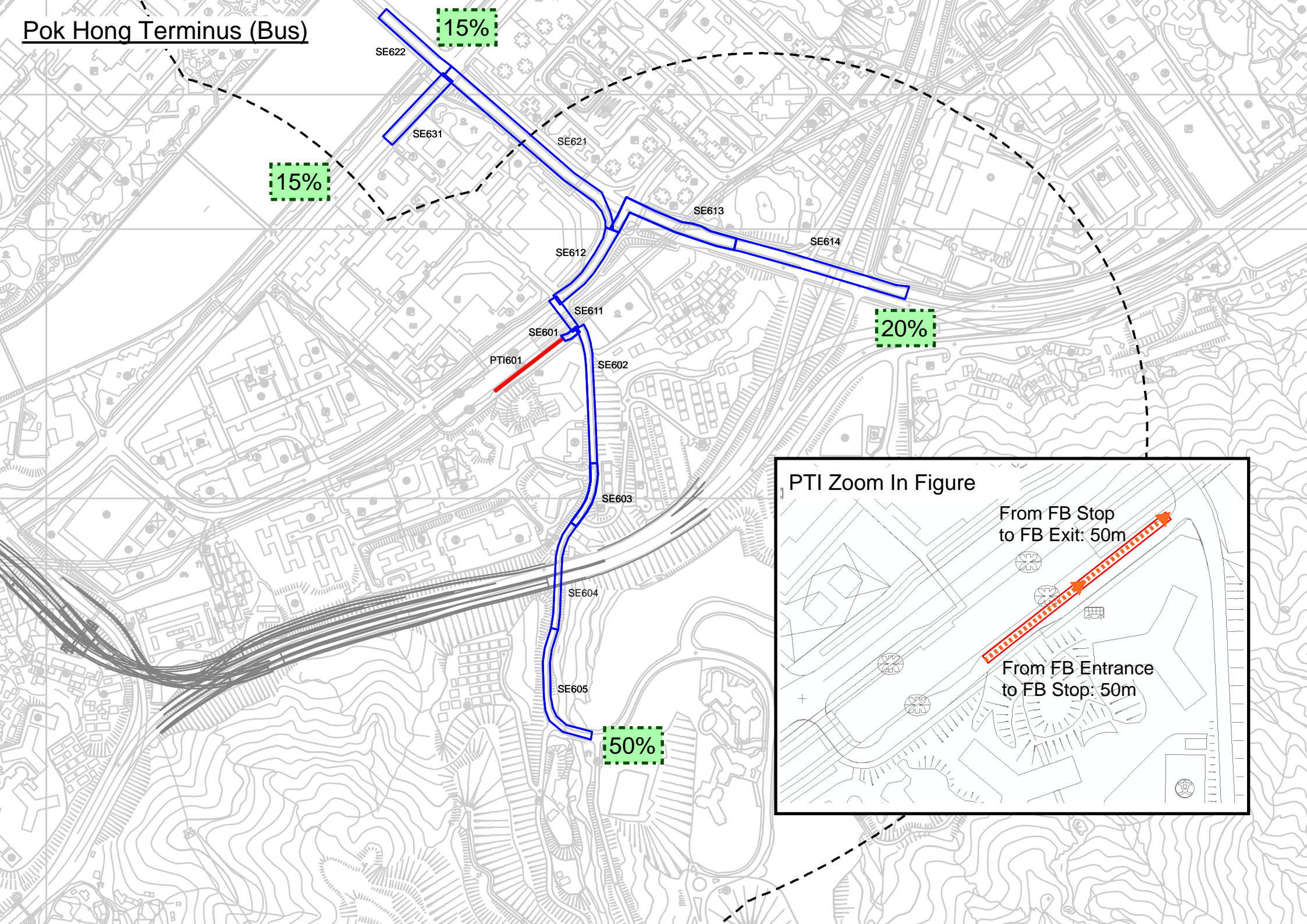
100%

PTI501
SE501
SE502

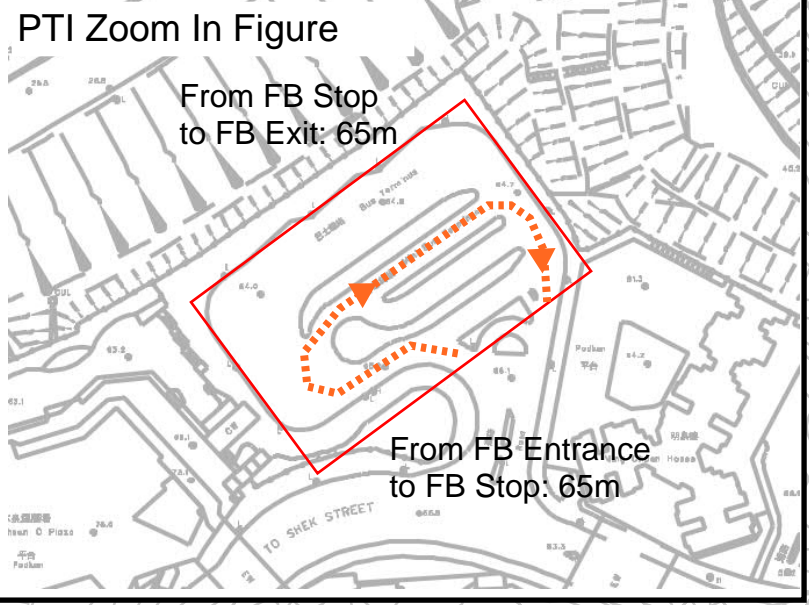
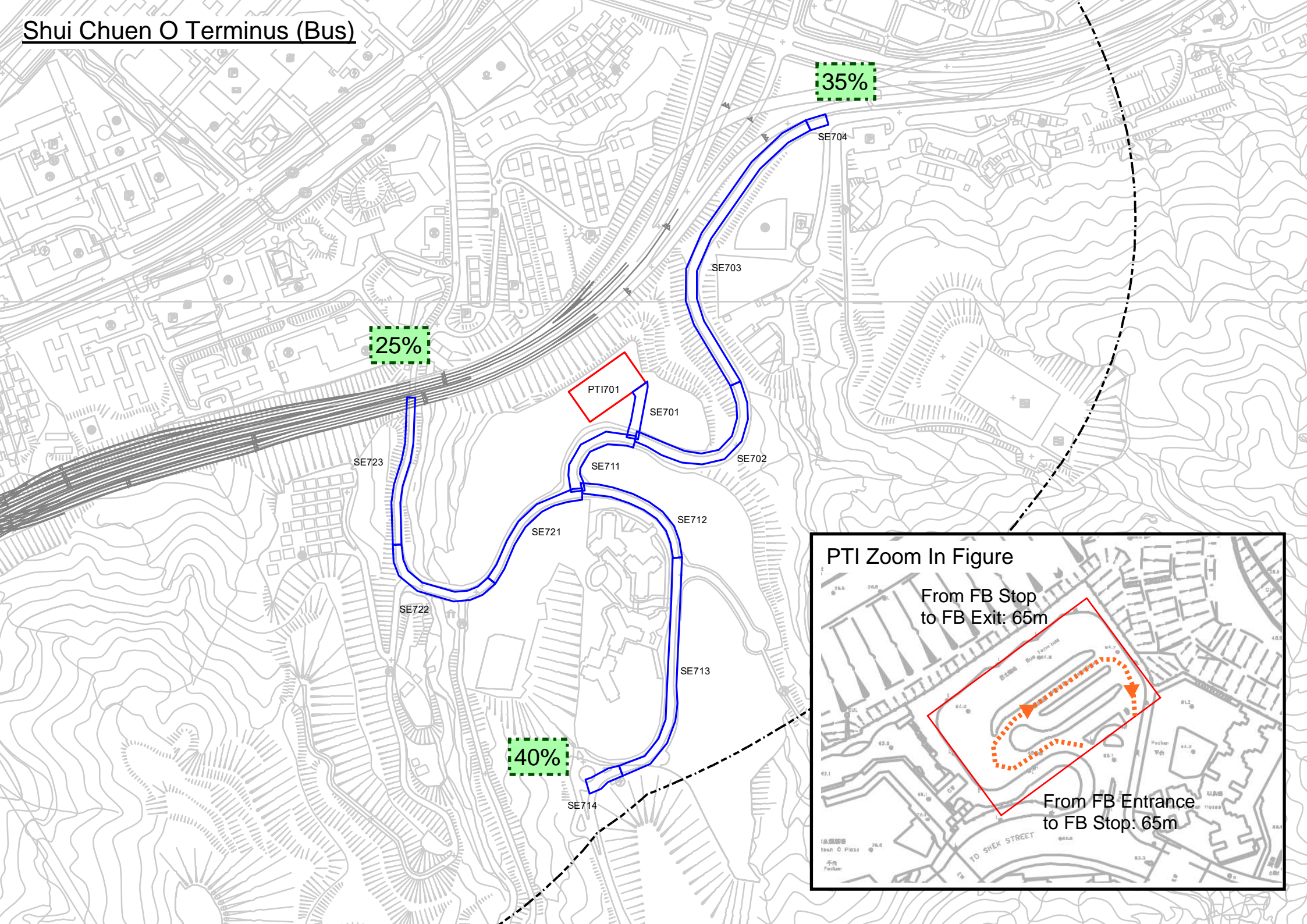
SE503



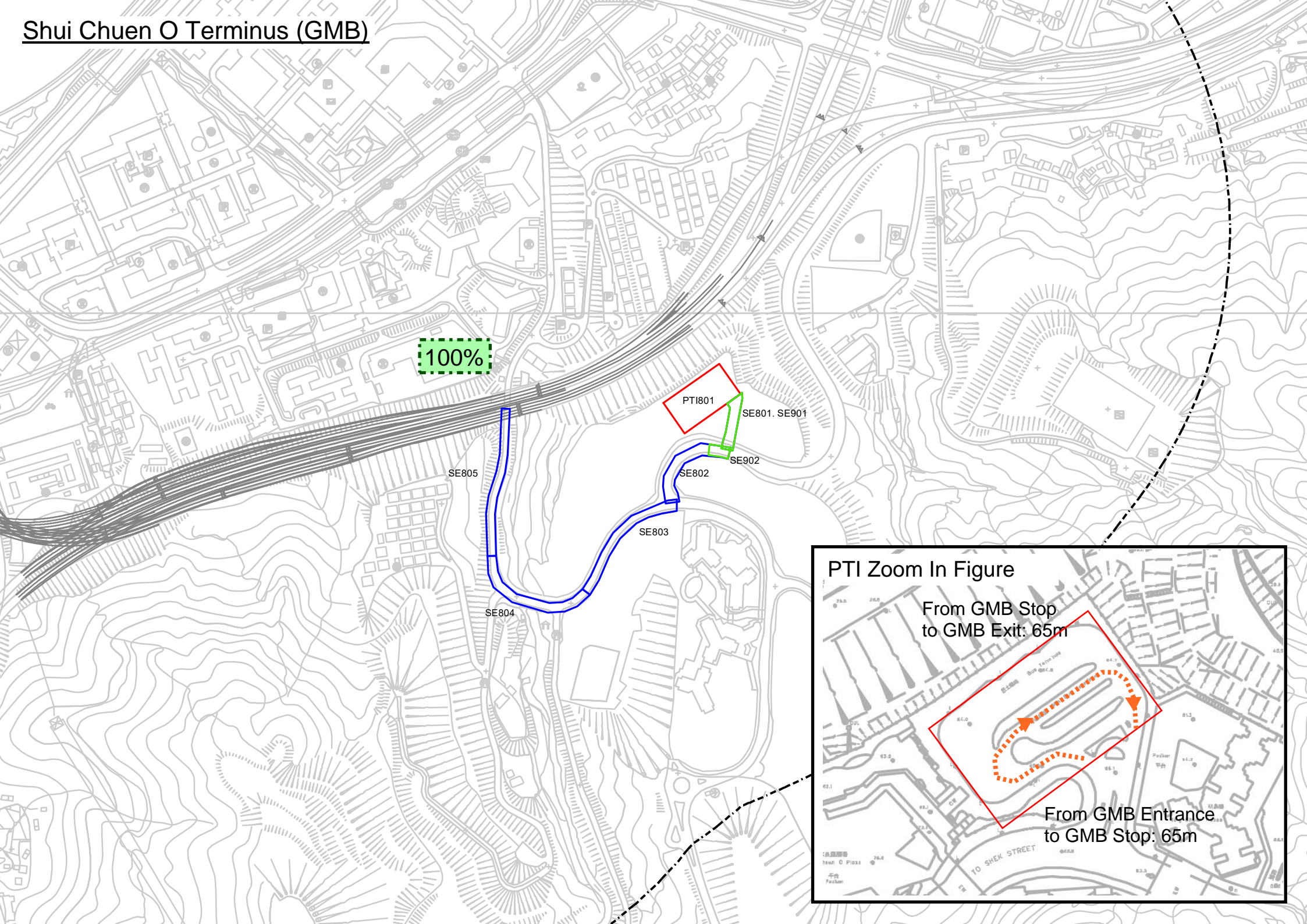
Pok Hong Terminus (Bus)



Shui Chuen O Terminus (Bus)



Shui Chuen O Terminus (GMB)



100%

PT1801

SE801, SE901

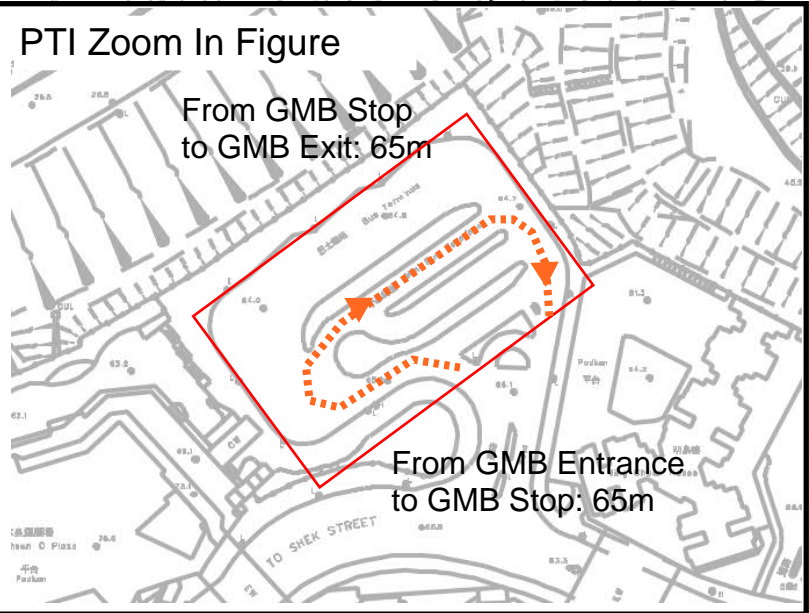
SE902

SE802

SE803

SE805

SE804



Chun Shek Terminus (Bus)

20%

80%

SE1021

SE1011

SE1005

PTI1001

SE1001

SE1002

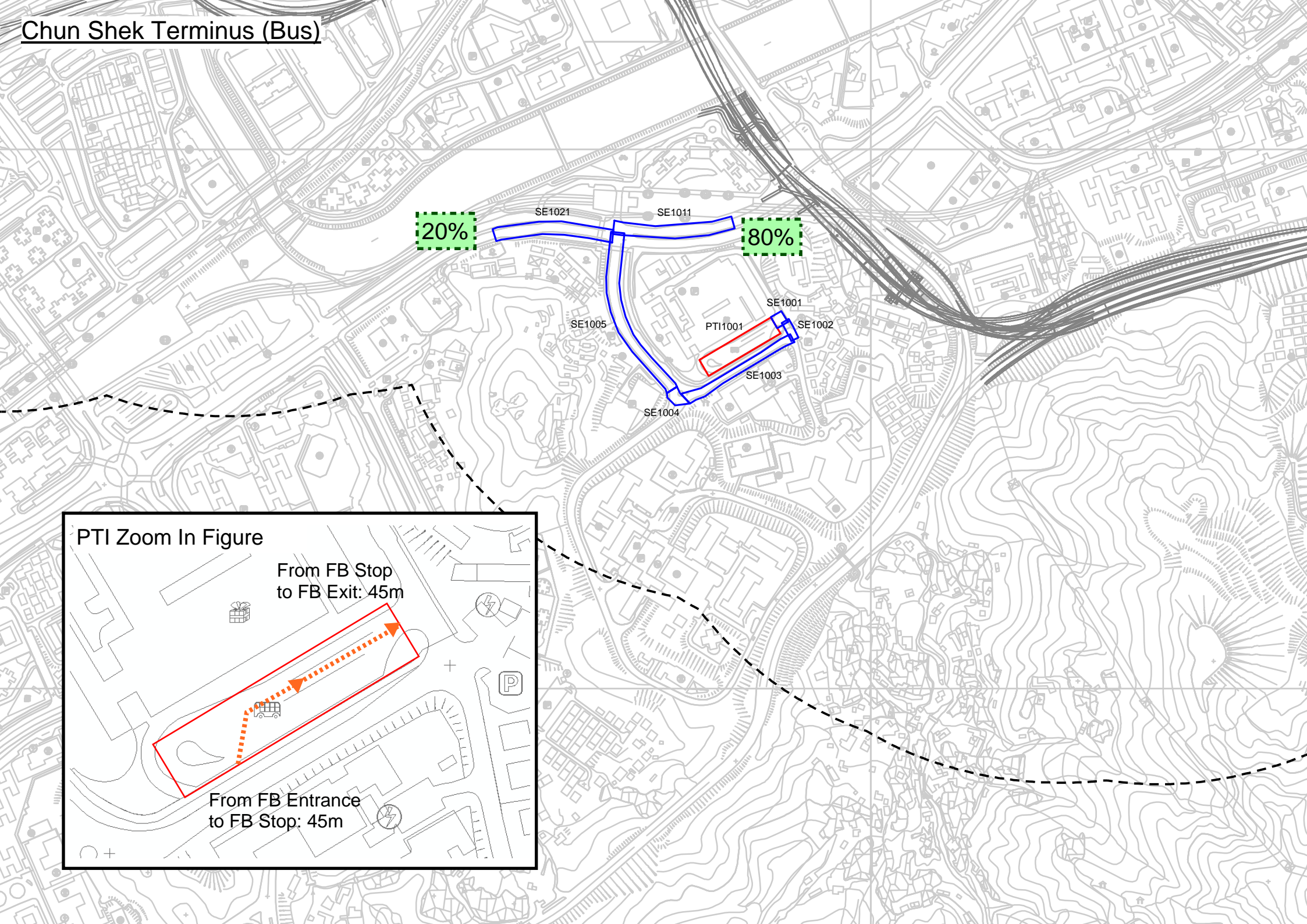
SE1003

SE1004

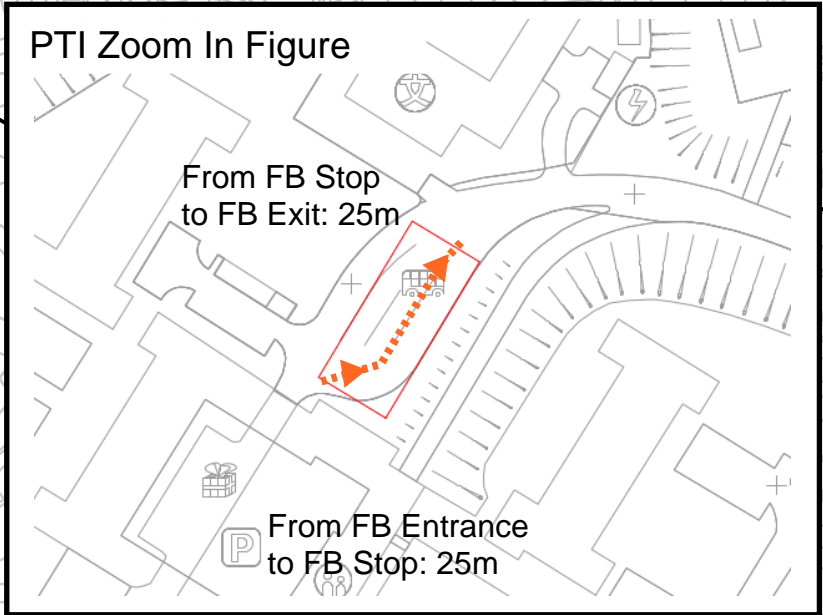
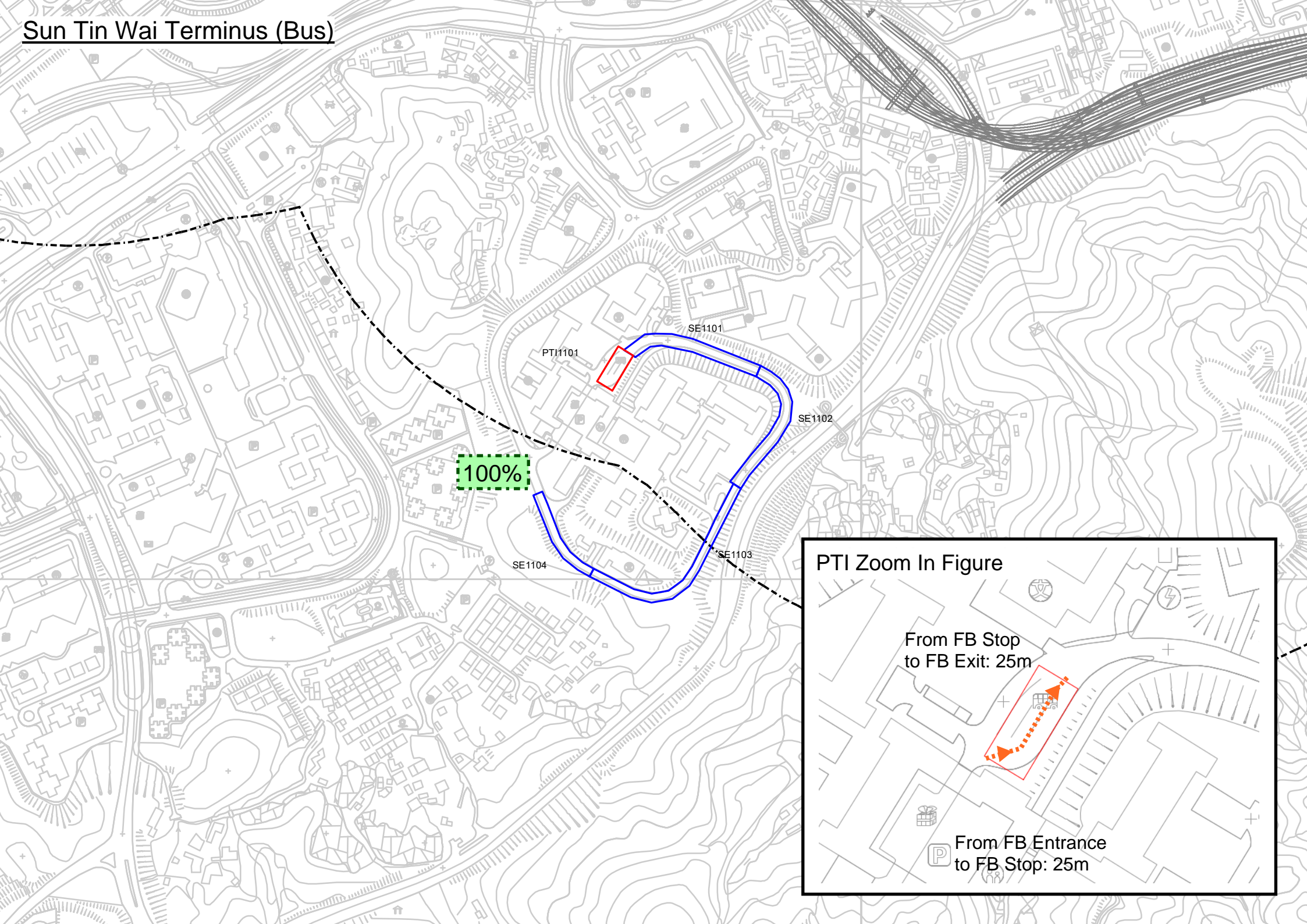
PTI Zoom In Figure

From FB Stop to FB Exit: 45m

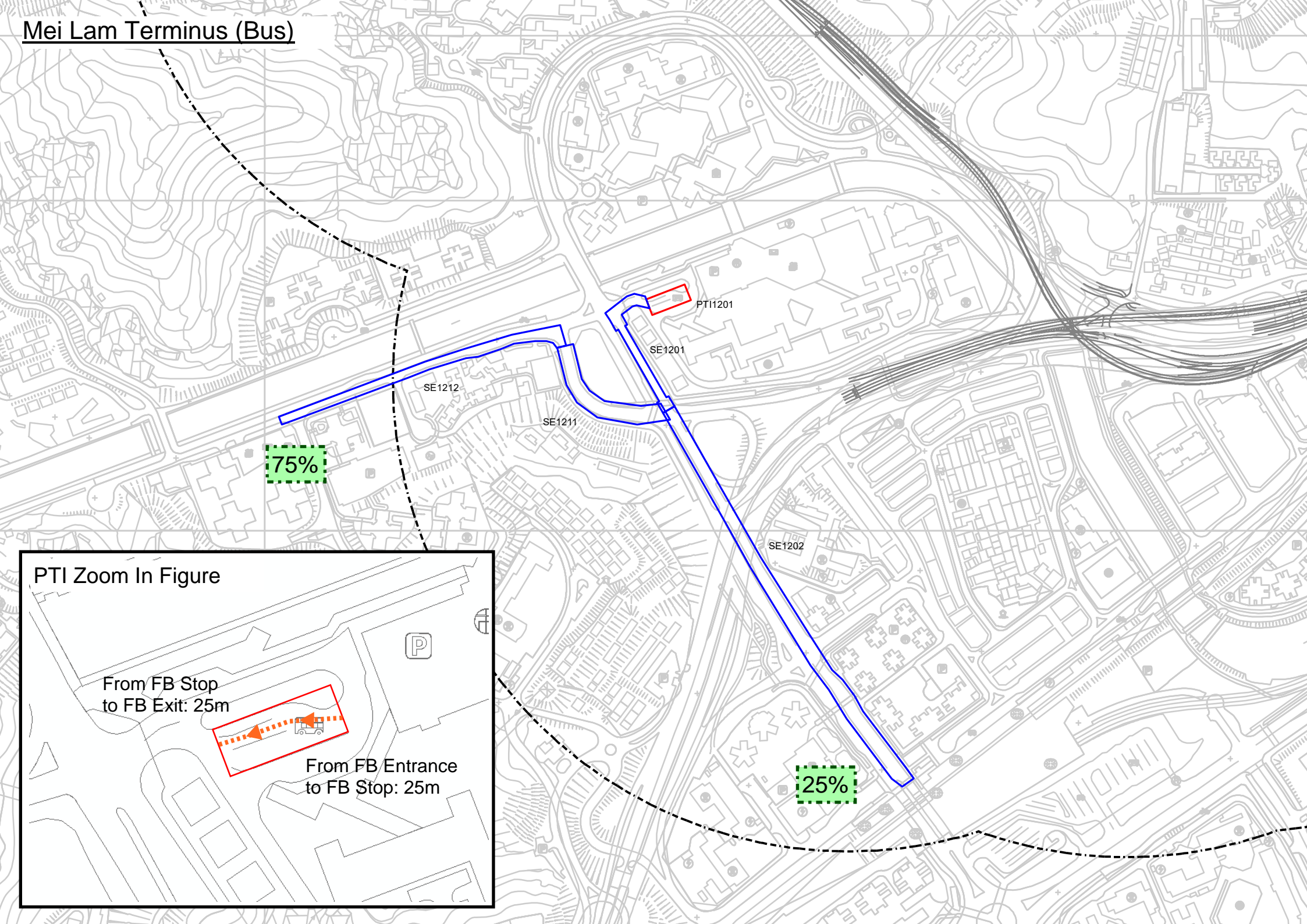
From FB Entrance to FB Stop: 45m



Sun Tin Wai Terminus (Bus)



Mei Lam Terminus (Bus)

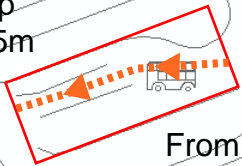


75%

25%

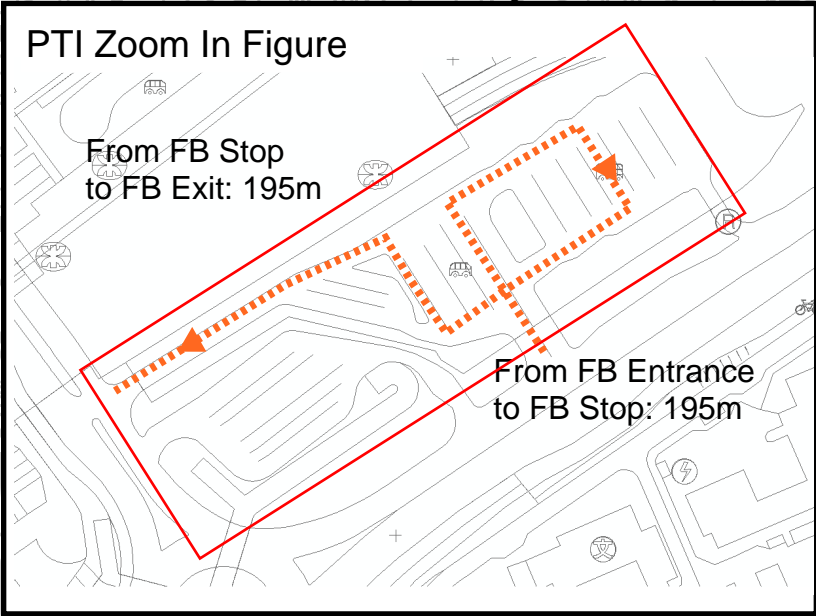
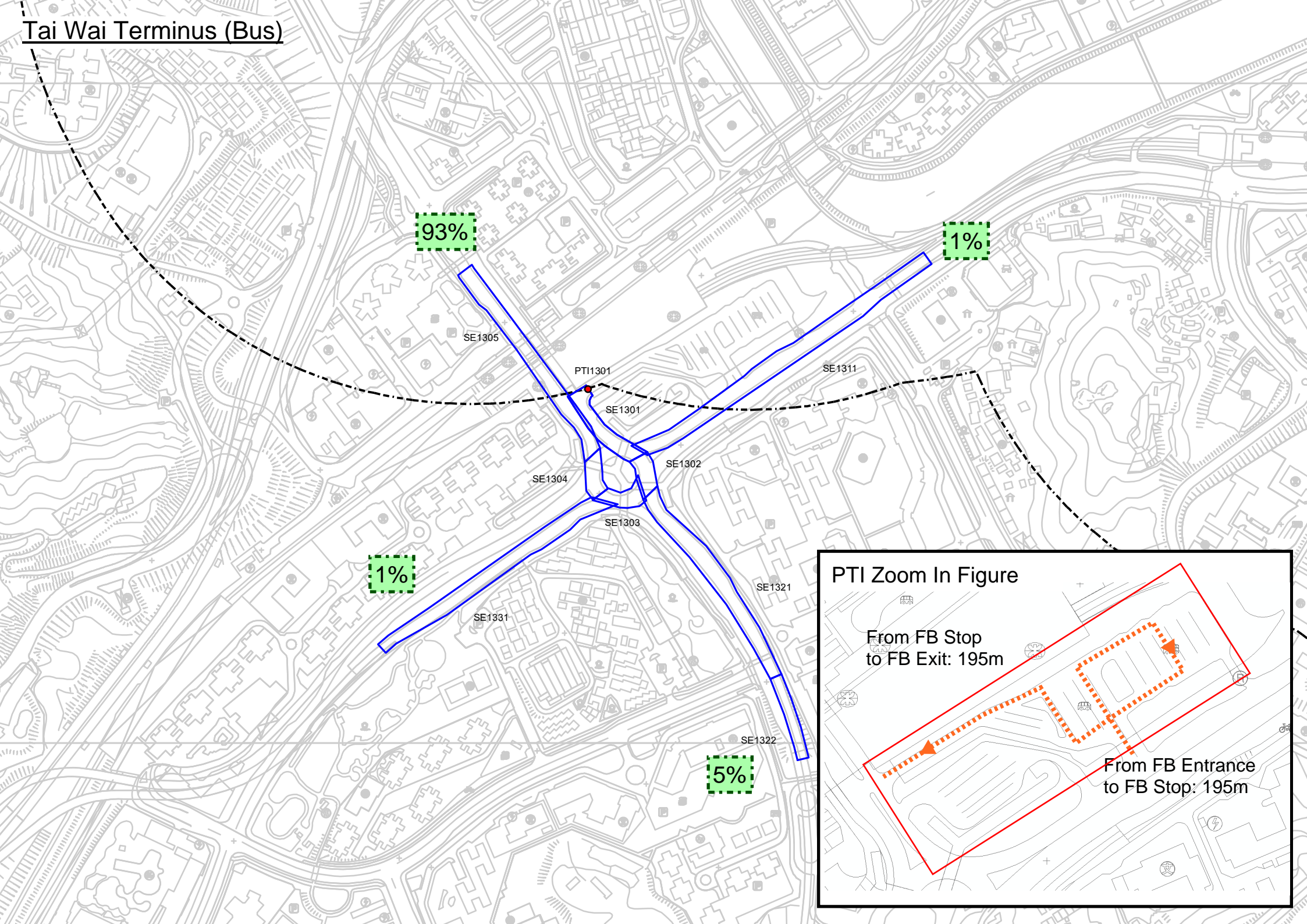
PTI Zoom In Figure

From FB Stop
to FB Exit: 25m



From FB Entrance
to FB Stop: 25m

Tai Wai Terminus (Bus)



Tai Wai Terminus (GMB)

25%

75%

SE1405

PTI1301

SE1401

SE1404

SE1402

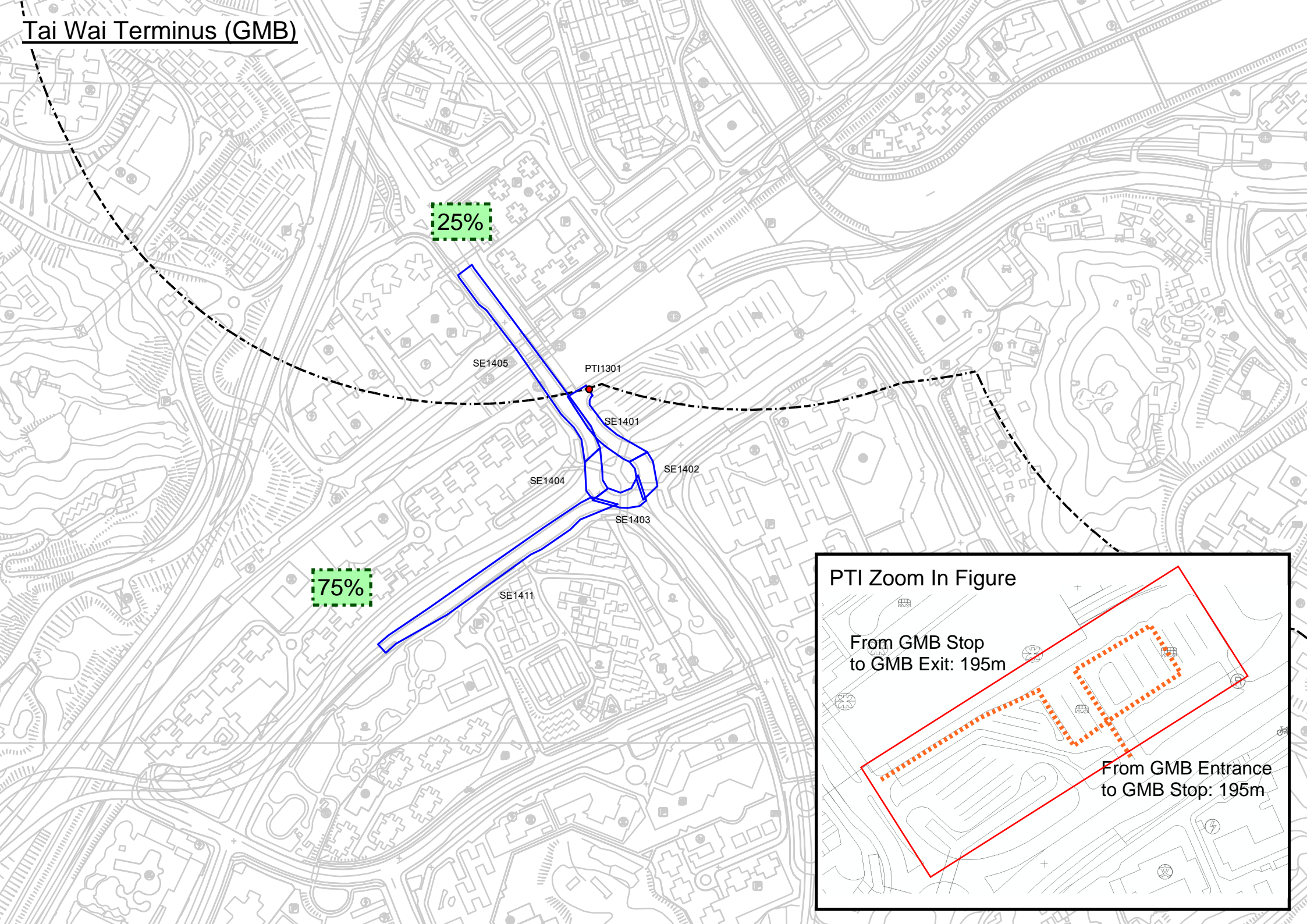
SE1403

SE1411

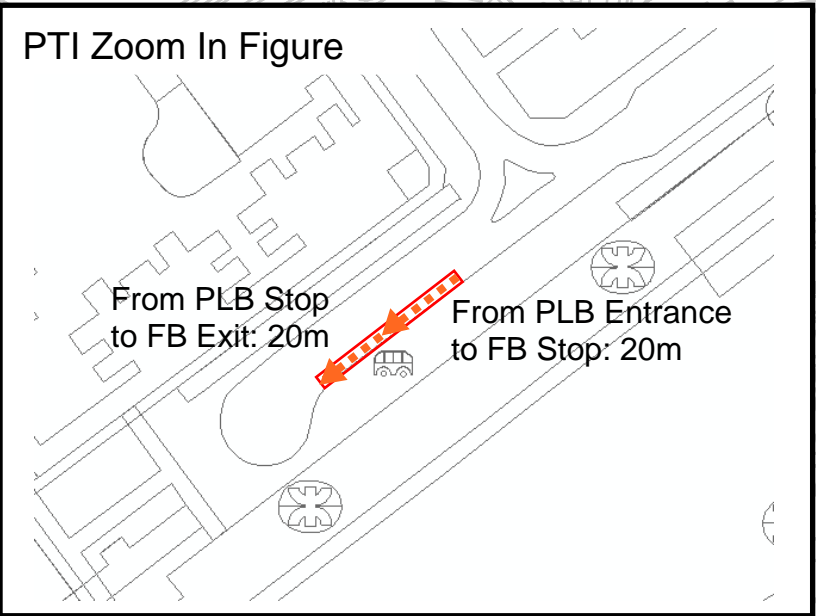
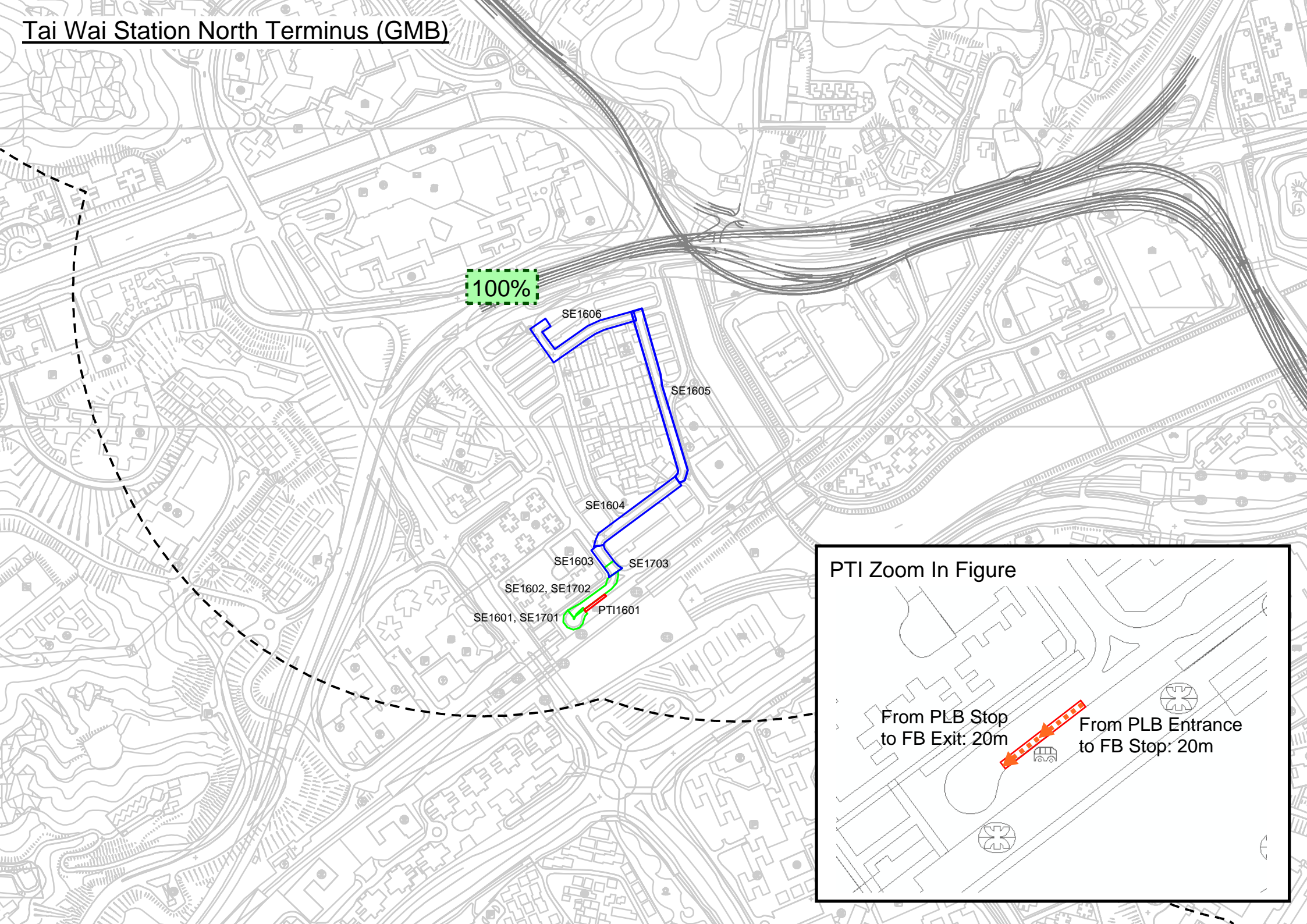
PTI Zoom In Figure

From GMB Stop
to GMB Exit: 195m

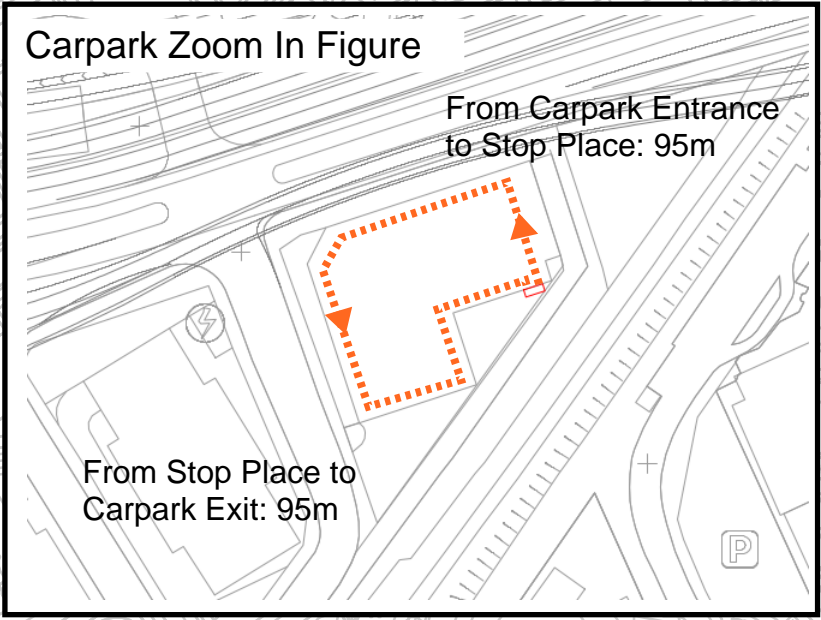
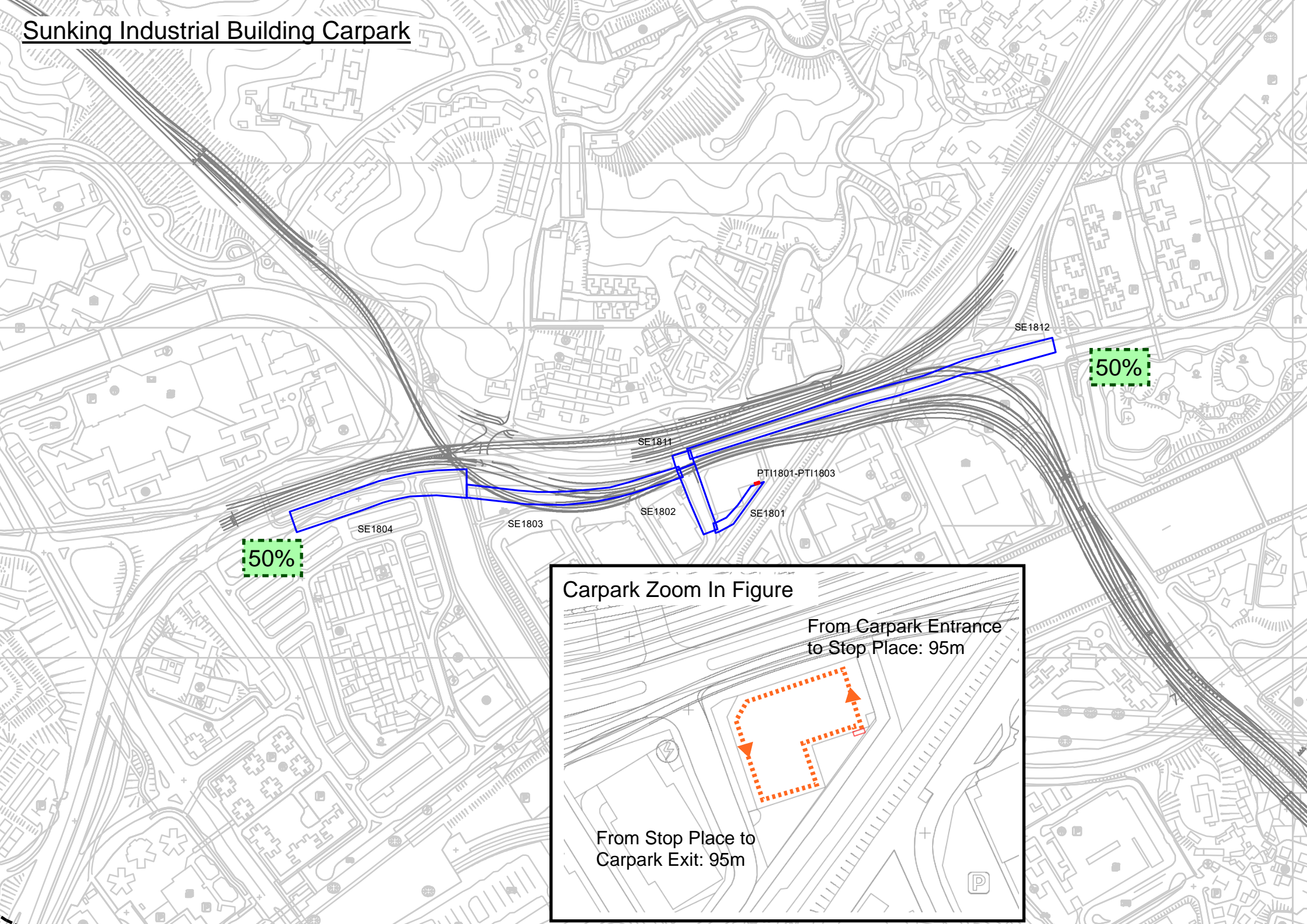
From GMB Entrance
to GMB Stop: 195m



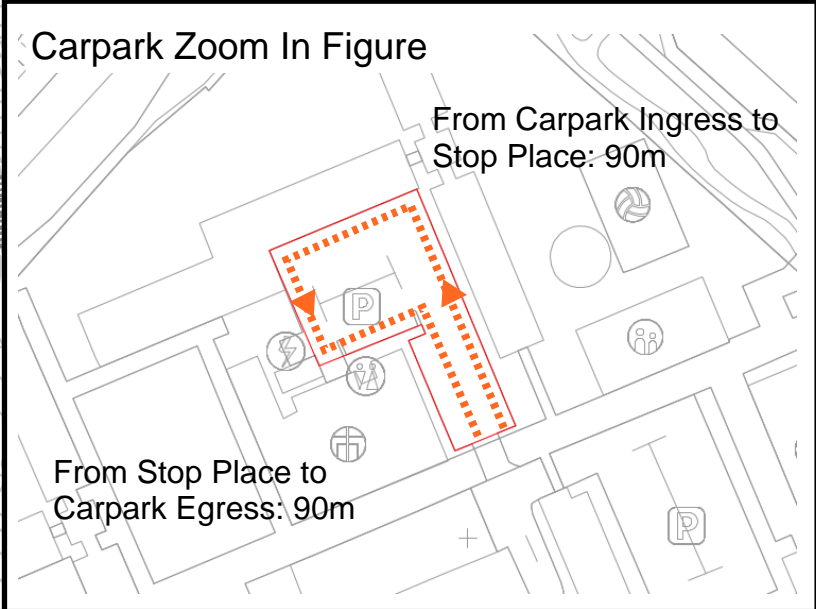
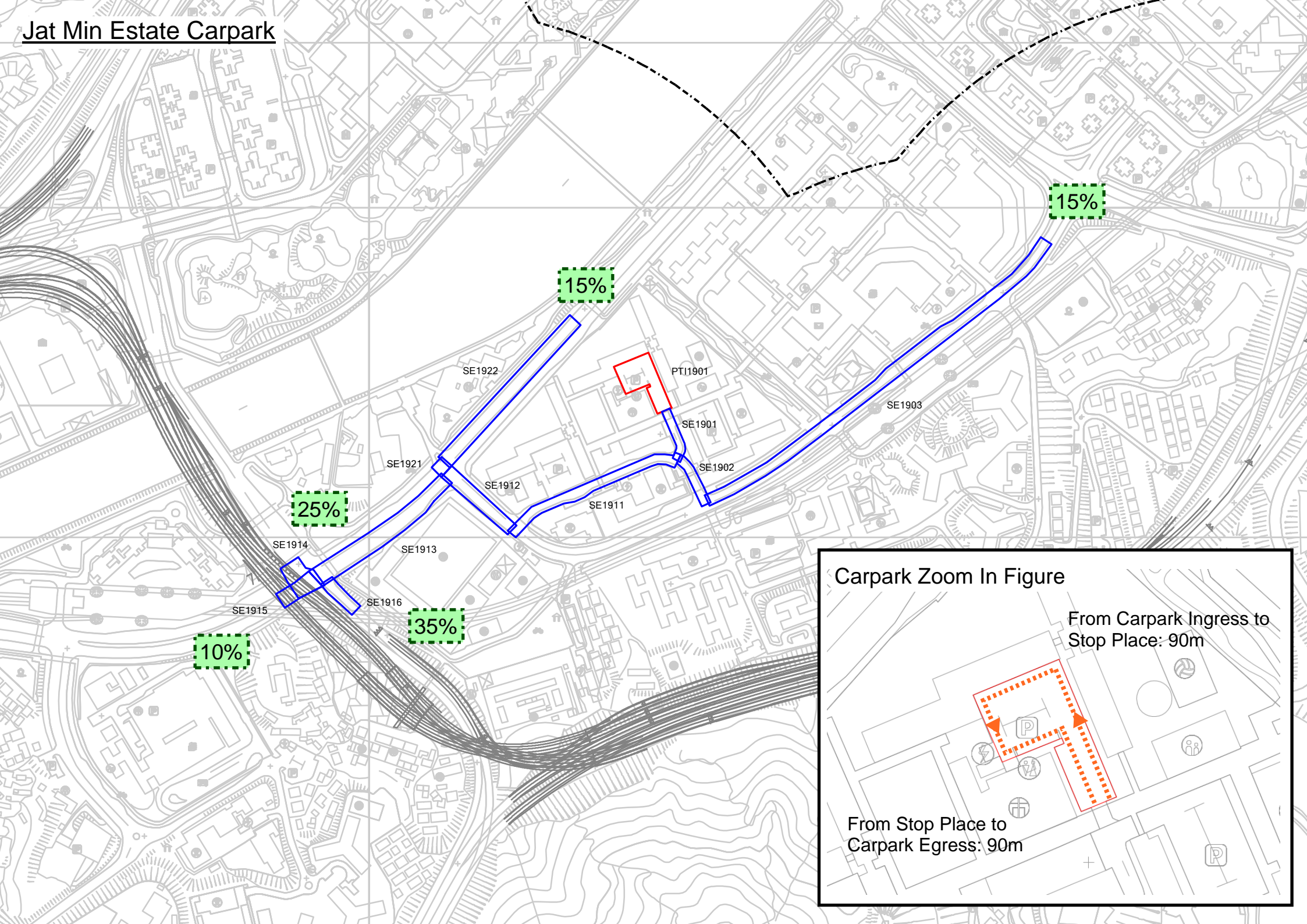
Tai Wai Station North Terminus (GMB)



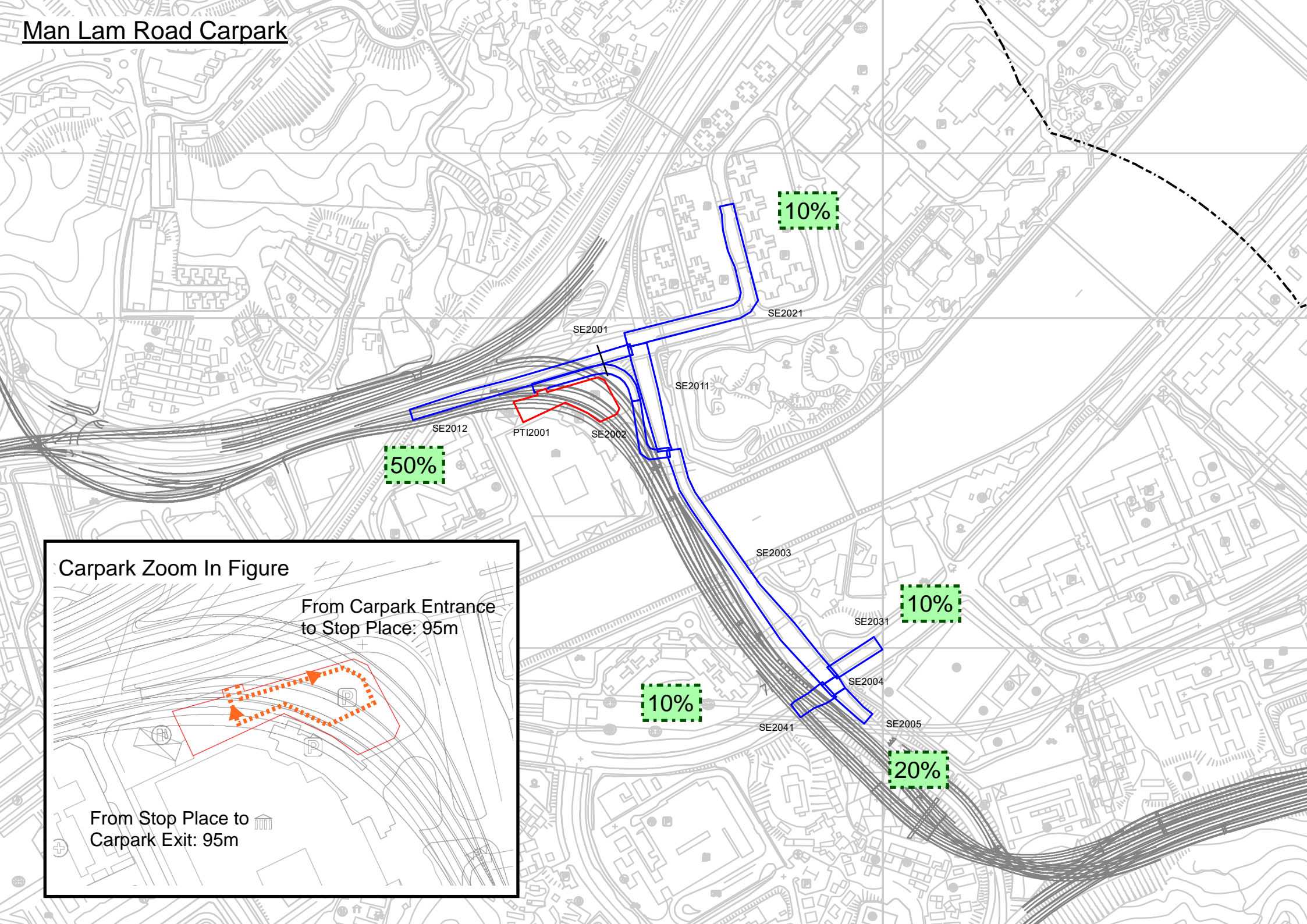
Sunking Industrial Building Carpark



Jat Min Estate Carpark



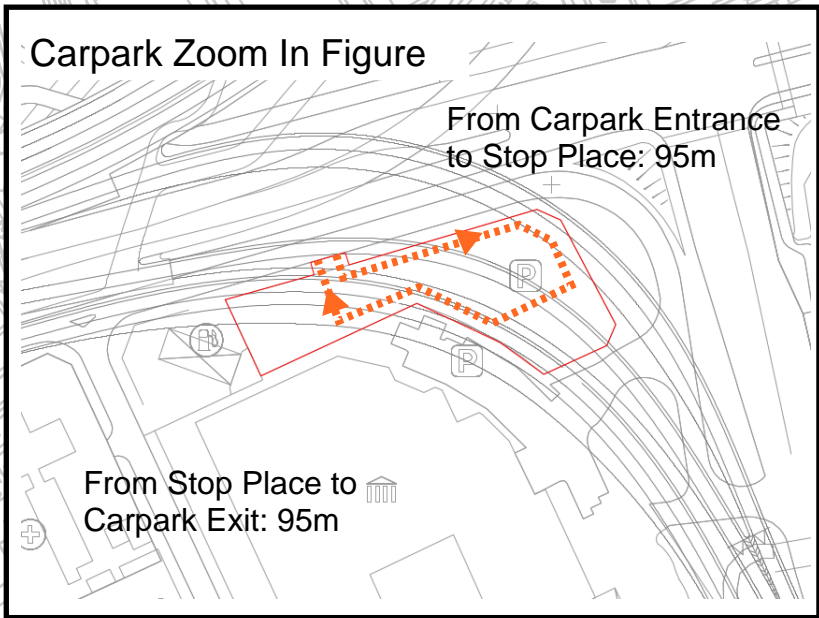
Man Lam Road Carpark



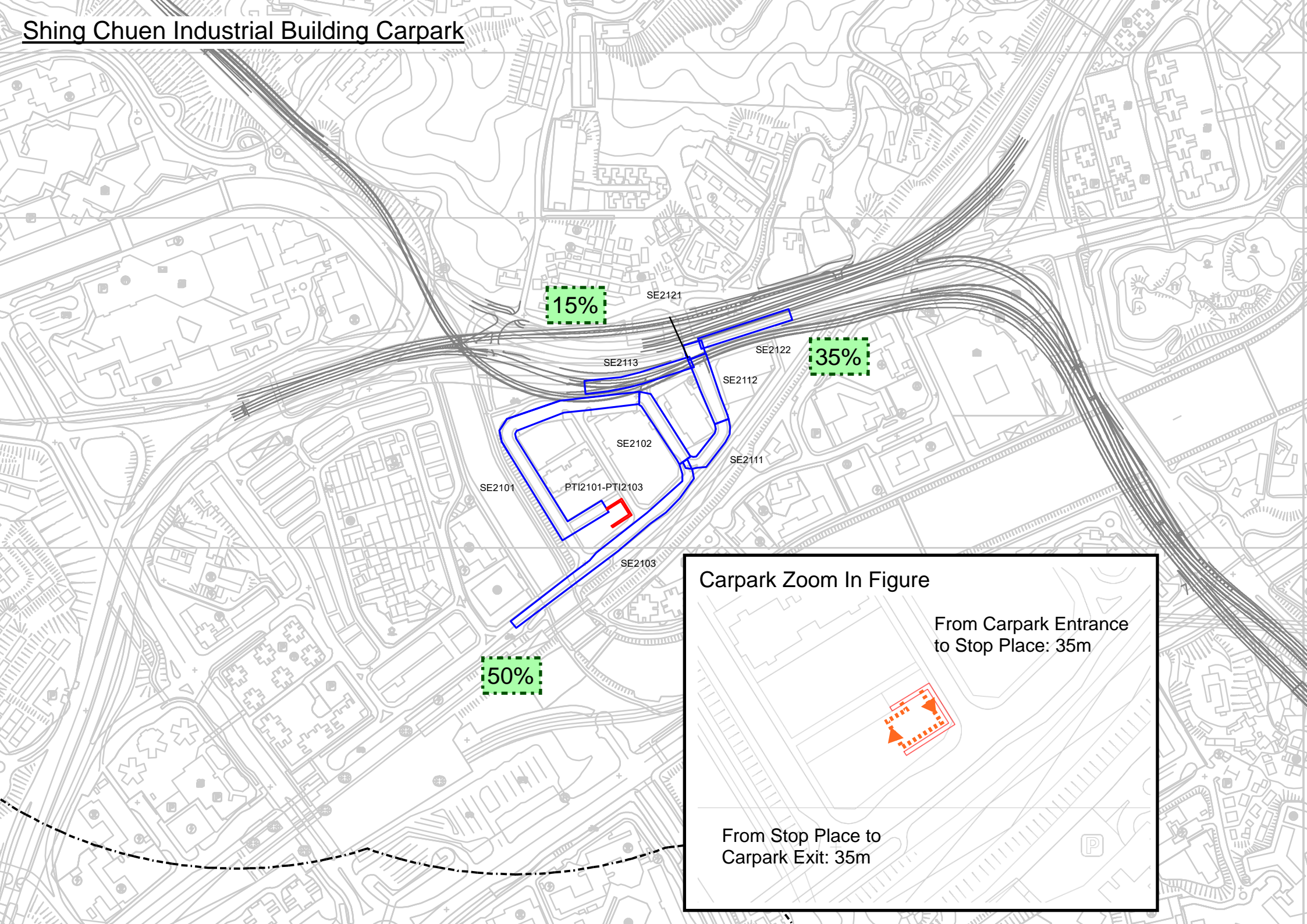
Carpark Zoom In Figure

From Carpark Entrance
to Stop Place: 95m

From Stop Place to
Carpark Exit: 95m



Shing Chuen Industrial Building Carpark



15%

35%

50%

SE2121

SE2113

SE2122

SE2112

SE2102

SE2111

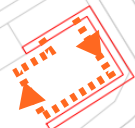
SE2101

PTI2101-PTI2103

SE2103

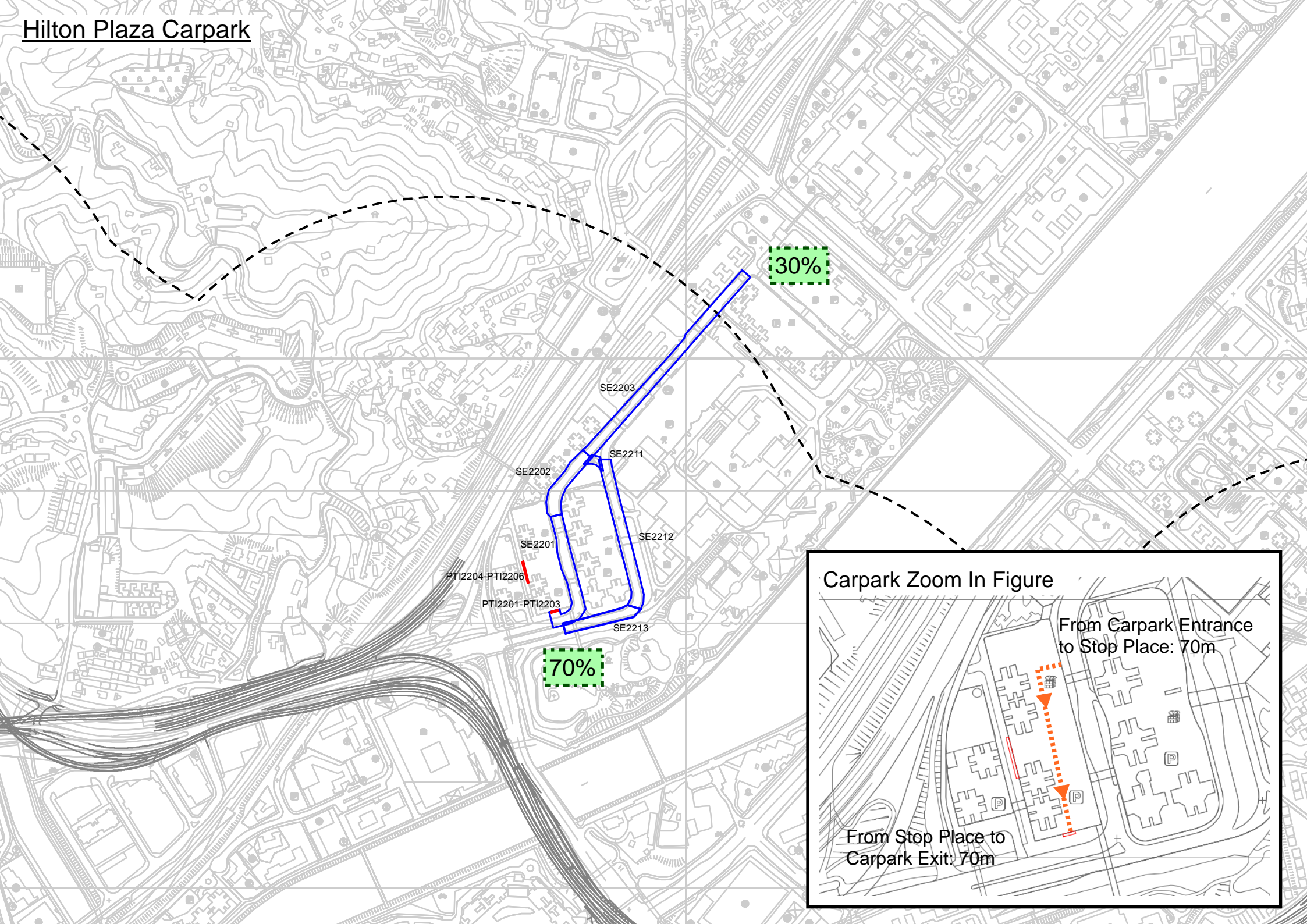
Carpark Zoom In Figure

From Carpark Entrance to Stop Place: 35m



From Stop Place to Carpark Exit: 35m

Hilton Plaza Carpark



30%

70%

PTI2204-PTI2206

PTI2201-PTI2203

SE2203

SE2211

SE2202

SE2212

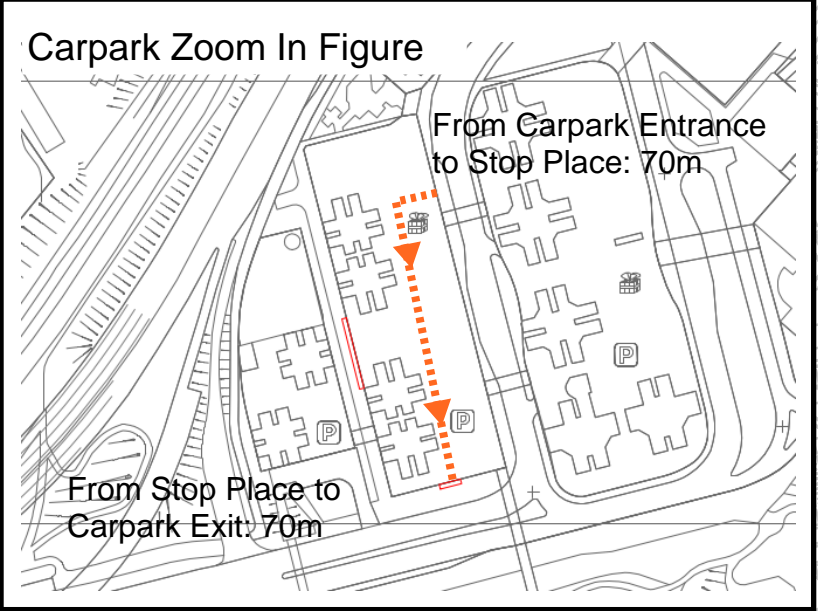
SE2201

SE2213

Carpark Zoom In Figure

From Carpark Entrance to Stop Place: 70m

From Stop Place to Carpark Exit: 70m



Calculation of Start Emissions in Air Quality Impact Assessment

General

For petrol vehicle, including: PC, MC, LGV3/4, PV4 & MC, all the start emissions are instantly released at the time when the engine starts. For LPG vehicle, including: Taxi, PLB & PV5 and diesel vehicle with Selective Catalytic Reduction Device (SCR), the “adjusted” start emissions are released over a longer period (e.g., 150m for LPG vehicle and 700m for diesel vehicle with SCR) after the engine starts. For details, please refer to Table 1.

Table 1 Spread Distance of Adjusted Start Emission

Vehicle Class	Fuel Type	Spread Distance of Adjusted Start Emission, Ds, (m) *
Any (with SCR)	Diesel	700
TAXI	LPG	150
PLB	LPG	150
PV5	LPG	150
PC	Petrol	0
LGV3/4	Petrol	0
PV4	Petrol	0
MC	Petrol	0

Remark (*) – the spread distance should count starting from the location where the engine starts.

Adjustment for Start Emissions

For LPG and diesel vehicle (with SCR), with idling at the beginning of the trip, please deduct the idling emission and spread out the adjusted start emissions evenly over the distance provided.

The idling emission part will be assumed to emit right on the spot. In case when the idling at the start is longer than K mins (e.g., 1 mins for FB with SCR; and 0.5 min for Taxi), only K mins of the idling will be used to adjust the start emission.

Details of K for different classes are shown in Table 2.

Table 2 Maximum Duration for adjusting start emission, "K"

Vehicle Class	Fuel Type	Maximum Duration for adjusting start emission, "K", (minutes)
Any (with SCR)	Diesel	1
TAXI	LPG	0.5
PLB	LPG	1
PV5	LPG	1
PC	Petrol	0
LGV3/4	Petrol	0
PV4	Petrol	0
MC	Petrol	0

For details, please refer to the following equations:

- (1) [idling emission] = [idling EF] x [Actual Idling Duration at Start]
- (2) [idling emission for the purpose of start emission adjustment] = [idling rate] x minimum(K, [Actual Idling duration at start])
- (3) [Adjusted Start Emission] = maximum(0, [Start Emission] - [idling emission for the purpose of start emission adjustment])

and geographically,

- (4) [adjusted start emission] ==> spread over Ds
- (5) [idling emission] ==> emitted right at the spot

Idling Emission

As regards idling emissions, if spread distance, Ds, is larger than zero and soak time (duration of engine off prior to engine ignition) is longer than or equal to 4 hours for petrol/LPG vehicles or 1 hour for diesel SCR vehicles,

- (6) [idling EF] = [cold idling EF]

Table of Cold Idling Emission Factors, which are based on local measurement data, is in **Annex A**.

otherwise,

- (7) [idling EF] = warm/hot idling rate.

Currently there is no local measurement data for warm/hot idling rate. Project proponent is advised to use data adopted by recognized international organizations. The source of reference of the adopted warm/hot idling emission factors should be provided.

Please note that according to the operation procedures specified in EPD's Practice Note for Professional Persons, **Control of Air Pollution in Semi-Confined Public Transport Interchanges Control of Air Pollution, ProPECC PN 1/98**, the operator of PTI shall instruct all drivers using the PTI to switch off the vehicle engines while waiting to minimize idling emissions. Hence, idling activities within PTI should be very small, if any, under normal circumstances. For details, please refer to:

https://www.epd.gov.hk/epd/sites/default/files/epd/english/resources/pub/publications/files/pn98_1.pdf. For other type of parking sites, if idling activities are involved, please refer to the approach detailed in this note to estimate idling emissions and adjust start emissions accordingly.

As for running exhaust emission, it should be included in the "start-distance" of the above.

Cold Idling EF Averaging Among Technology Groups (Tech Groups)

Note also that the cold idling EF provided is by Tech Groups in **Annex A** while the start EFs in EMFAC-HK output (e.g. emfac mode) are trip-weighted-average (among Tech Groups), users are advised to calculate the trip-weighted-average among Tech Groups of the cold idling EF when applying the above methodology as an estimation.

Start Emission Factor for Diesel Vehicle with SCR

For diesel vehicle with SCR, the above calculation will be a bit more complicated because not all vehicles have SCR and the start emission factor (EF) shown in the EMFAC-HK emfac mode output is a weighted average, which could be a lot smaller than the actual start EF of a SCR vehicle.

To spread the adjusted start emission correctly for these vehicles, please use the SCR-start-EF for the calculation and take only the fraction of SCR vehicles activities into account for start emission.

In order to allocate the amount of activity to diesel SCR vehicles and derive their EFs for different years, **Annex B** which contains information on the % SCR vehicles by technology groups is required. By using this information, one may obtain the % of SCR vehicles in each class for any assessment year (with help of EMFAC-HK's detail burden output, i.e. bdn file).

For example, the default EMFAC-HK (territory-wide average) result for the year 2024 is appended in **Annex C** for reference. The SCR % in each class can help allocating the right amount of activities. Also, to obtain the SCR-start EF for a class, one may divide the weighted average start EF for diesel vehicles of that class (i.e. "DSL" column of each class in emfac mode output) by the % of SCR among diesel vehicles. More specifically, for each class,

(8) [Number of trips of SCR vehicles] = [Number of trips of total non-electric Vehicles] x [% of SCR among total non-electric Vehicles]

(9) [Start EF of SCR Vehicles] = [Start EF of Diesel Vehicles] / [% of SCR Vehicles among Diesel Vehicles]

General remark: The above methodology and parameters are subject to review when more local data are available.

Annex A Cold Idling Emission Factors

Cold[#] Idling Emission Factors

#Cold here means soak time greater than or equal to 4 hours for petrol/LPG vehicles or 1 hour for diesel SCR vehicles.

Class	Fuel Type	Pollutant	Emission Standard	Cold# Idling Emission Factor (g/s)
Taxi	LPG	NOx	Euro 2/3	0.0057
Taxi	LPG	NOx	Euro 4	0.0035
Taxi	LPG	NOx	Euro 5	0.0028
Taxi	LPG	NOx	Euro 6	0.0028
PLB	LPG	NOx	Euro III	0.0092
PLB	LPG	NOx	Euro IV	0.0039
PLB	LPG	NOx	Euro V	0.0039
PLB	LPG	NOx	Euro VI	0.0039
Taxi	LPG	THC	Euro 2/3	0.0187
Taxi	LPG	THC	Euro 4	0.0114
Taxi	LPG	THC	Euro 5	0.012
Taxi	LPG	THC	Euro 6	0.012
PLB	LPG	THC	Euro III	0.1073
PLB	LPG	THC	Euro IV	0.0752
PLB	LPG	THC	Euro V	0.0752
PLB	LPG	THC	Euro VI	0.0752
Taxi	LPG	CO	Euro 2/3	0.0187
Taxi	LPG	CO	Euro 4	0.0114
Taxi	LPG	CO	Euro 5	0.012
Taxi	LPG	CO	Euro 6	0.012
PLB	LPG	CO	Euro III	0.1073
PLB	LPG	CO	Euro IV	0.0752
PLB	LPG	CO	Euro V	0.0752
PLB	LPG	CO	Euro VI	0.0752
FBDD	Diesel	NOx	Euro II DPF & SCR	0.0737
FBDD	Diesel	NOx	Euro III DPF & SCR	0.0737
FBDD	Diesel	NOx	Euro IV	0.1535
FBDD	Diesel	NOx	Euro V	0.1535
FBDD	Diesel	NOx	Euro VI	0.0225
HGV8	Diesel	NOx	Euro IV - SCR	0.0144
HGV8	Diesel	NOx	Euro V - SCR	0.023
HGV8	Diesel	NOx	Euro VI	0.0037
NFB8	Diesel	NOx	Euro IV - SCR	0.0573
NFB8	Diesel	NOx	Euro V - SCR	0.0474
NFB8	Diesel	NOx	Euro VI	0.0077
FBSD	Diesel	NOx	Euro IV	0.0573
FBSD	Diesel	NOx	Euro V	0.0474
FBSD	Diesel	NOx	Euro VI	0.0077
HGV7	Diesel	NOx	Euro V - SCR	0.0059
HGV7	Diesel	NOx	Euro V - DPF & SCR	0.0059
HGV7	Diesel	NOx	Euro VI	0.0059
NFB7	Diesel	NOx	Euro IV - SCR	0.0573
NFB7	Diesel	NOx	Euro VI	0.0077
LGV6	Diesel	NOx	Euro V - DPF & SCR	0.0028

Class	Fuel Type	Pollutant	Emission Standard	Cold# Idling Emission Factor (g/s)
LGV6	Diesel	NOx	Euro VI	0.001
NFB6	Diesel	NOx	Euro VI	0.001
PLB	Diesel	NOx	Euro VI	0.001
PV5	Diesel	NOx	Euro VI	0.001

Annex B Tech Groups Assumed to be equipped with Selective Catalytic Reduction (SCR) in EMFAC-HK V4.2

Vehicle Class	Fuel Type	Emission Standard	Tech Group Index	% of SCR in Tech Group
FBDD	Diesel	Euro II DPF & SCR Retrofitted	228	100%
FBDD	Diesel	Euro III DPF & SCR Retrofitted	229	100%
FBDD	Diesel	Euro IV	224	100%
FBDD	Diesel	Euro V	226	100%
FBDD	Diesel	Euro VI	215	100%
HGV8	Diesel	Euro IV - SCR	164	100%
HGV8	Diesel	Euro V - SCR	166	100%
HGV8	Diesel	Euro VI	162	100%
NFB8	Diesel	Euro IV - SCR	64	100%
NFB8	Diesel	Euro V - SCR	66	100%
NFB8	Diesel	Euro VI	62	100%
FBSD	Diesel	Euro V	116	56%
FBSD	Diesel	Euro VI	118	100%
HGV7	Diesel	Euro V - SCR	137	100%
HGV7	Diesel	Euro V - DPF & SCR	138	100%
HGV7	Diesel	Euro VI	135	100%
NFB7	Diesel	Euro IV - SCR	93	100%
NFB7	Diesel	Euro VI	105	100%
LGV6	Diesel	Euro V - DPF & SCR	139	100%
LGV6	Diesel	Euro VI	134	100%
NFB6	Diesel	Euro VI	104	100%
PLB	Diesel	Euro VI	194	100%
PV5	Diesel	Euro VI	204	100%

Remarks: 56% of SCR for Euro V FBSD will remain the same regardless of the assessment year

Annex C EMFAC-HK V4.2 Default (Territory-wide average) % of SCR vehicles by Vehicle Class in CY2024

Class	% of SCR among total non-electric Vehicles	% of SCR Vehicles among Diesel Vehicles
FBDD	98%	98%
FBSD	46%	46%
HGV7	56%	56%
HGV8	61%	61%
LGV3	0%	0%
LGV4	0%	0%
LGV6	56%	56%
MC	0%	N.A.
NFB6	34%	34%
NFB7	48%	48%
NFB8	69%	69%
PC	0%	0%
PLB	35%	58%
PV4	0%	0%
PV5	31%	39%
TAXI	0%	N.A.